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S. Hrg. 116–416

IMPLEMENTATION OF THE 2018 FARM BILL: RURAL DEVELOPMENT AND ENERGY PROGRAMS

HEARING

[BEFORE THE]

COMMITTEE ON AGRICULTURE, NUTRITION, AND FORESTRY UNITED STATES SENATE

ONE HUNDRED SIXTEENTH CONGRESS

FIRST SESSION

NOVEMBER 7, 2019

Printed for the use of the
Committee on Agriculture, Nutrition, and Forestry



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Thursday, November 7, 2019

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IMPLEMENTATION OF THE 2018 FARM BILL: RURAL DEVELOPMENT AND ENERGY PROGRAMS

THURSDAY, NOVEMBER 7, 2019

UNITED STATES SENATE,
COMMITTEE ON AGRICULTURE, NUTRITION, AND FORESTRY,
Washington, DC.

The Committee met, pursuant to notice, at 9:30 a.m., in room 328A, Russell Senate Office Building, Hon. Pat Roberts, Chairman of the Committee, presiding.

Present or submitting a statement: Senators Roberts, McConnell, Boozman, Hoeven, Ernst, Hyde-Smith, Braun, Grassley, Thune, Fischer, Stabenow, Brown, Bennet, Gillibrand, Casey, and Smith.

STATEMENT OF HON. PAT ROBERTS, U.S. SENATOR FROM THE STATE OF KANSAS, CHAIRMAN, U.S. COMMITTEE ON AGRICULTURE, NUTRITION, AND FORESTRY

Chairman ROBERTS. Good morning. I call this meeting of the Senate Committee on Agriculture, Nutrition, and Forestry to order. Today's hearing advances this Committee's continued oversight of the Department of Agriculture's implementation of the 2018 Farm Bill.

A principal duty of this Committee is to ensure that the Department has the authority and resources to provide our Nation's agriculture producers with the necessary tools to feed a troubled and hungry world, as well as this country. The responsibility of the Committee and the USDA does not stop there. It is also critical this partnership supports rural businesses, electric cooperatives, telecom providers, schools, health clinics, renewable energy, biobased product manufacturers, and other essential service providers that serve as the backbone of the rural communities our farmers and ranchers all call home.

Over the past two years, at our two field hearings in Kansas and Michigan, and at a hearing here in Washington, we had the opportunity to listen to witnesses representing both the Administration and rural communities, as they discussed changes to the Farm Bill that would help rural development. We listened and we acted by adopting many of these recommendations in the bipartisan 2018 Farm Bill.

On our first panel today we are pleased to have the administrators for the three agencies within the Office of Rural Development at the Department of Agriculture: the Rural Utility Service, the Rural Housing Service, and the Rural Business Cooperative Serv-

ice. This panel will discuss the Department's vision for fostering growth and economic prosperity throughout rural America, which is sorely needed, and will highlight the progress made in implementing changes this Committee legislated in the rural development and energy titles of the Farm Bill.

For our second panel of witnesses, we will hear from a broad set of private sector stakeholders, including the CEO of one of Mississippi's leading rural electric cooperative, who works every day to provide essential utility services to farmers and ranchers in small towns; an Iowa farmer—imagine that, Joni, an Iowa farmer—who utilizes resources provided by the Department to help build an on-farm anaerobic digester system and a renewable energy facility, something we are doing in Dodge City, Kansas, by the way, Joni. We will have to have you out there. We will make you an Honorary Amanda Blake. Nobody remembers that. I understand that, but that is the way it is.

A Kentucky health care provider who has leveraged a USDA distance learning and telemedicine grant to expand service capabilities throughout his State. This provides the most vulnerable populations with access to affordable health care and support in fighting the opioid addiction crisis that is plaguing so many of our rural communities.

Finally, the director of Michigan State University Extension—go green and white—who is working with both state and federal stakeholders to find ways to address mental health challenges that our farmers face every day.

We look forward to our discussion today regarding the rural development and energy titles of the Farm Bill. These programs play an important role in providing our rural communities with the economic tools they need to grow and thrive.

I now recognize the distinguished Senator from Michigan for any opening remarks she would like to make.

STATEMENT OF HON. DEBBIE STABENOW, U.S. SENATOR FROM THE STATE OF MICHIGAN

Senator STABENOW. Well, thank you, Mr. Chairman. I have really been looking forward to this hearing and welcome our witnesses on both of our panels today. This is so important. Everybody in this room knows that rural America is the backbone of the economy, just like my hometown, Clare, in northern Michigan. All across the country, people in rural communities create businesses, run family farms, work in manufacturing, and really create quality of life for so many families.

We should be doing everything we can to celebrate and strengthen our small towns I know we all believe that around this table. In the 2018 Farm Bill, we made smart investments to grow rural opportunity and ensure every American can enjoy a high quality of life, no matter where they live.

When I visit rural Michigan, one of the top concerns I hear—and I know my colleagues hear as well—is the need to access high-speed internet in order to participate in the 21st century economy. In the Farm Bill, we increased the funding available for high-speed internet deployment 15 times higher than the previous amount because it is so central to moving forward. I understand the USDA

is currently writing new rules for the Farm Bill improvements. I urge the Department to meet its goal to complete the rules by December so that Congress can fund this new and improved program.

Families in rural communities are also concerned about access to health care, especially with the mental health and opioid crisis taking a devastating toll on small towns. We addressed this head-on through expanded telemedicine and community facility investments to provide critical treatment for those who suffer from addiction and mental illness.

To ensure that every family has safe drinking water, we prioritized rural water infrastructure investments for small towns dealing with dangerous contaminants like PFAS.

Rural communities also need strong locally owned businesses, and good high-paying jobs. Rural small business investments are critical to creating jobs, promoting entrepreneurship, and revitalizing Main Street.

In States like Michigan where we make things and grow things, agriculture and manufacturing are both at the heart of the economy. That is why we created opportunities in the last Farm Bill to support biobased manufacturing. Instead of using petroleum, companies are creating new products from American-grown crops.

We also provided permanent funding for value-added agriculture grants to help farmers grow their business, whether they are turning locally grown tomatoes into salsa or corn into ethanol.

Investing in renewable energy also leads to job creation and helps us address the climate crisis. In the 2014 Farm Bill, I included permanent mandatory funding for the popular Rural Energy For America program, REAP, which helps farmers and businesses lower their utility bills through installing renewable energy systems and making efficiency upgrades. From hog producers to organic fruit growers, these grants have helped a wide variety of Michigan farmers and those across the country save money and become more energy efficient.

We have also seen wineries, breweries, restaurants across our State and the country install solar arrays to power their rural small businesses.

As USDA implements the Farm Bill, we need this Administration to step up to strengthen our rural economy. Over the past three years it has been disheartening to see the Trump administration continue to target rural America and the Farm Bill for cuts. We need to be investing more in rural communities, not less. Eliminating rural infrastructure and small business investments moves us in the wrong direction.

On the issue of renewable fuels, unfortunately, this Administration continues to let down American farmers and biofuel producers by caving to the demands of the oil industry. We have seen some discussion of changing that, but I have yet to see this really happening.

Additionally, I am disappointed that the Committee has not received a nominee for an Under Secretary of Rural Development. We re-established this important position in the Farm Bill to be a staunch advocate for rural America within the Administration. We appreciate all of you and your focus, but we agreed on a bipartisan

basis in Congress that we needed a focused leader to address all of the concerns facing small towns and rural communities.

It is great to see our three rural development administrators here today. I look forward to hearing your perspectives. We appreciate your work.

Thank you, Mr. Chairman.

Chairman ROBERTS. Thank you, Senator.

Today, I am pleased to welcome the three administrators that oversee the vital agencies within the USDA Office of Rural Development. Ms. Bette Brand is the Administrator of the Rural Business Service. She joined the USDA after 35 years with Farm Credit of the Virginias, where she most recently served as chief advocate for the agriculture industry and rural businesses. Welcome, Bette. We appreciate it.

Next we have Mr. Bruce Lammers, the Administrator of the Rural Housing Service. Mr. Lammers has had more than 35 years of experience leading public-private partnerships at national community-oriented lending institutions, including serving as a former CEO for a bank that was a national leader in government guaranteed lending. Thank you for joining us today, Mr. Lammers.

Last we have Mr. Chad Rupe, who is the Administrator of the Rural Utilities Service. Prior to coming to Washington, Mr. Rupe served as the Rural Development State Director of Wyoming—big sky country—from 2017 to 2019. Before joining the Department, Mr. Rupe spent more than 13 years in the banking industry, specializing in commercial lending in Wyoming. Notably, he began his service to our country in the United States Army, so thank you for your service, Mr. Rupe.

In the interest of time, we have asked the Department to provide one opening statement on behalf of all three administrators, with each available to answer questions from members on the Committee. Perhaps, I think it would be very advisable if I would now recognize the Senator from Kentucky. Leader, do you plan to introduce your Kentucky witness on the second panel at this point?

Senator MCCONNELL. Well, I appreciate that opportunity, Mr. Chairman, if I may.

Chairman ROBERTS. Well, the Senator is recognized.

Senator MCCONNELL. I would go right ahead and do it. Senator Stabenow expected me to make a speech on hemp.

[Laughter.]

Senator MCCONNELL. Instead of speaking on hemp, I am here today to introduce a constituent of mine. As we continue reviewing the implementation of last year's Farm Bill, I am proud this morning to introduce a Kentuckian who is working to move the ball forward on the legislation's rural development goals.

Michael Stanley is the CEO of Grace Health, a community health center providing a wide range of services to more than 35,000 residents of southeastern Kentucky, which is down in the Appalachian region of my State. With a focus on vulnerable and low-income Kentuckians, Grace Health is an indispensable resource tacking the systemic health challenges in rural communities.

As our colleagues on the Committee know, access to health care in places like the Appalachian region is an important part of the Farm Bill's Rural Development Title. Healthy communities are bet-

ter able to attract investment, encourage job creation, and support the farm economy.

Unfortunately, too many of my constituents from this beautiful region suffer from health challenges, which are compounded by severe physician shortage, and all too frequent substance abuse.

For more than three decades, Mike has been working to help Kentuckians overcome these challenges by leading and expanding health care programs in the eastern part of our State. He is improving access to services and delivering some rather impressive results.

When Mike joined Grace Health in 2012, there were only a couple of dozen employees and two clinics, with a small service area. Today they have nearly 300 personnel, seven clinic sites across six counties. Mike and his team place a strong emphasis on bringing medical professionals into previously underserved areas. For example, Grace Health operates almost 40 school-based health clinics, providing Kentucky's next generation with medical and dental care. They are opening new doors to treatment and long-term recovery in communities devastated by opioid and substance abuse.

Today, Mike will shed light on Grace Health's telehealth programs, which represent a much-needed investment into eastern Kentucky and its future. Through programs like the USDA Distance Learning and Telemedicine Grants, Mike and his team can continue providing high-level care to more patients in hard-to-reach areas than ever before. These federal grants also give Grace Health the opportunity to solidify partnerships with other health care providers and development organizations. Mike's experience will be a helpful guide as we evaluate the Federal Government's policies designed to tap into potential that we have in rural America.

I look forward to his recommendations to the Committee on how we can continue to support his work and help encourage healthy outcomes and economic development in rural communities.

Thank you, Mr. Chairman, Senator Stabenow, for allowing me to step in and say these—give these remarks on behalf of my constituent. Thank you very much.

Chairman ROBERTS. It is our privilege, Leader, and thank you so much for coming and making that excellent statement.

It occurs to me that unless I recognized the distinguished President Pro Tem of the Senate, who is also the Chairman of the Senate Finance Committee, he always—this is the first time, I would say to the Senator from Michigan, that he has not come in first and asked to go first, because of his duties elsewhere. I am a little alarmed as to whether or not we should recognize him now or not.

At any rate, Senator Grassley, do you have anything to say, because of your important duties elsewhere?

Senator GRASSLEY. Since I did not think you would call on me, I have already taken care of it by going to Mr. Sievers, a very important constituent of mine, and telling him that in about five minutes I am going to be leaving to open the Senate, and then I am going to the Senate Judiciary Committee to make a quorum to get more judges out. Then I am going to come back here and hopefully he will still be on the program and I can ask him some questions.

I am glad that the Senator from Kansas has decided to get the expertise that we have in the No. 1 agricultural State, in the State of Iowa, and invite Mr. Sievers in. Thank you for doing that.

Did it surprise you I did not yell at you?

[Laughter.]

Chairman ROBERTS. Yes.

Senator GRASSLEY. That is what I thought.

Chairman ROBERTS. Are you going to depart immediately or are we going to have you here for five minutes and then you are going to come back?

Senator GRASSLEY. I am going to stay for five minutes.

Chairman ROBERTS. I see.

Senator GRASSLEY. I have already been here 15 minutes.

Chairman ROBERTS. I understand that.

Senator GRASSLEY. Okay.

Chairman ROBERTS. You were right on time. We appreciate that.

As a matter of fact, I noted the fact that I could not see Bette Brand because you were leaning forward, but that is okay. You might want to be like Coop, who just left here, and just lean back so I could see. There we go. Thank you.

Let's get reorganized if we can here.

Senator GRASSLEY. I need to adjust my chair so it will lean back.

Chairman ROBERTS. Mr. Rupe, I think I am going to call you first, and I understand you have a prepared statement.

Thank you again, sir, for coming.

STATEMENT OF CHAD RUPE, ADMINISTRATOR, RURAL UTILITIES SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

ACCOMPANIED BY BRUCE LAMMERS, ADMINISTRATOR FOR RURAL HOUSING SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.; AND BETTE BRAND, ADMINISTRATOR FOR RURAL BUSINESS COOPERATIVE SERVICE, U.S. DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Mr. RUPE. Good morning, Chairman Roberts, Ranking Member Stabenow, and distinguished members of the Committee. My name is Chad Rupe and I am the Administrator for USDA Rural Development's Rural Utility Service. I am accompanied this morning by my colleagues, Administrator Bette Brand, who oversees Rural Business Cooperative Service, and Administrator Bruce Lammers, who oversees Rural Housing Service.

The three of us administer unique programs and resources that help bring prosperity and opportunity to rural areas. We are honored to be here with you this morning to share Rural Development's efforts regarding implementation of the 2018 Farm Bill.

Rural Development's mission is to increase economic opportunity and improve the quality of life for rural Americans. Together, we manage a loan portfolio of more than $225 billion, and our investments support rural residents looking for affordable housing, municipalities seeking water infrastructure and community facilities, and rural businesses, cooperatives, and agricultural producers looking to expand into new markets. We are also a vital resource of financing for rural broadband and electric infrastructure.

As you know, rural communities have unique challenges due to their location and lack of access to modern technologies, like broadband infrastructure. However, while these challenges do exist, rural America also has unique resources that, when paired with their inherent grit and determination, provide opportunities for prosperity. Our goal at USDA Rural Development is to partner with our Nation's rural communities through the programs and resources that Congress has made available in order to connect them to a world of opportunity and ultimately prosperity.

The 2018 Farm Bill reauthorizes many Rural Development programs that are vital to helping rural communities build stronger economies, create jobs, and improve their overall quality of life. We have been working effectively and efficiently to implement the 2018 Farm Bill, and have successfully started to implement provisions, such as the new loan grant option within the Rural Broadband Program, expanding access to credit for rural communities by increasing the population limits for Community Facilities and Water and Waste Disposal Programs, and establishing the Local Agriculture Markets Program (LAMP).

As the administrators overseeing these programs, we will continue to work with members of the Committee to address the unique needs of rural America. We thank you for inviting us before the Committee to share the important work we do. We appreciate your continued interest and support of Rural Development programs, because we believe when rural America thrives, all of America thrives.

At this time we will answer your questions.

[The prepared statement of Mr. Rupe can be found on page 40 in the appendix.]

Senator BOOZMAN.

[Presiding.] Senator Ernst.

Senator ERNST. Thank you, Mr. Chair. I want to start with Mr. Lammers. I do appreciate everyone being here today. Thank you so much.

Mr. Lammers, this week I finished my annual 99-county tour across Iowa, and one of the biggest concerns I heard this year was a lot of affordable rural housing, and that comes up over and over again.

As you point out in your testimony, the 2018 Farm Bill included several provisions that expand eligibility for rural housing service programs. What steps can we take to build on these provisions, as we work to allow the communities to have more opportunities for financing in the coming months and years?

Mr. LAMMERS. Thank you for your question. You happen to be a neighbor of mine, having come from Wisconsin, and so I appreciate your question.

During the last year, we served families with single-family housing loans as well as multi-family housing loans, and I believe our allocation of direct loans out of the 502 program was $1 billion, and we fully utilized that during the year. I am very proud that we were able to accomplish that.

Our guaranteed loan program is really based upon the demands of customers that approach banks, and I think it is a marketing program that the banks view as a positive product for them. We

provide housing through those two programs as well as the multifamily program, and Farm Labor Housing.

Senator ERNST. You said "fully used." That would indicate a necessity to continue those programs on into the future as well then. Is that correct?

Mr. LAMMERS. I am pleased that we were able to fully utilize it. The 502 program provided 6,185 home loans to families last year, and that is a $1 billion program.

Senator ERNST. Okay. Very good, and I appreciate that. It is an area we need to continue to work on.

Ms. Brand, I would like to visit with you about the biorefinery program. It has been a really vital source of job creation in rural communities since its creation. However, under the 2014 Farm Bill that was a problem with the program, requiring refiners who wanted to produce renewal chemicals from agricultural feed stocks to also producing an advanced biofuel which significantly limited that program's effectiveness.

The 2018 Farm Bill fixed it, fixed that problem, by ensuring eligibility with these types of technologies and creating parity for standalone renewable chemical manufacturers. Can you give us an update on the agency's work in this area and the implementation, how we will get to that fix?

Ms. BRAND. Yes. Thank you very much for that question, Senator. The Biorefinery, Renewable Chemical, and Biobased Product Manufacturing Assistance Program, indeed does include now the chemical, the balance, so that a facility could produce either both or one or the other, and that has been implemented through—will be—it has been implemented, and any applications that are on hand right now will be able to apply to any of those products, and it will be codified the spring of 2020.

Senator ERNST. Okay, and thank you again for working on that as well. It is really important to my home State, obviously.

With that, I will yield back time, Chairman.

Chairman ROBERTS. Senator Stabenow. Yes, we go Republican, Democrat, and that is how we work.

Senator STABENOW. I was going to yield to the Chairman, Mr. Chairman, but thank you very much. Thank you to all of you.

First to Mr. Rupe. The Farm Bill prioritized funding for communities that are dealing with water safety issues. I think none of us wanted to even have to learn what PFAS chemicals were, and now it is very serious. We are identifying real health hazards and communities are extremely concerned.

We identified this and made it a priority in the Farm Bill. However, this Administration has repeatedly proposed budget cuts of more than 50 percent to these critical water infrastructure programs, despite a large backlog of projects.

What is the status of this Farm Bill requirement and what kind of outreach are you doing to ensure rural communities know that the Farm Bill provides tools and resources to address contaminated drinking water?

Mr. RUPE. Senator, thank you for the question. First of all, I would like to reaffirm that last year we served over 2 million rural Americans with clean drinking water, and I think that is an important note. We processed $1.7 billion worth of loan and grant re-

quests to serve rural Americans, and so I would not lose sight of that issue.

Now specific to outreach and communication, with the 2018 Farm Bill, we had an interagency task force on rural water quality that was established as a result of that, and earlier this year we met with public officials, stakeholders, and our Federal partners to begin reviewing what is needed to be able to support that issue. We plan to issue a report by December on our progress, related to that issue.

Having said that, within our program we specifically do address imminent issues and immediate dangers for communities through our ECWAG program—sorry for the acronym but we are riddled with them—but those types of programs immediately address needs for emergency situations, for people who have issues that are directly related to immediate health and safety risks.

Of the money that we obligated last fiscal year, we addressed 374 health risks out of the 500 projects that we did throughout the United States. I believe that we are actively engaging in outreach to our communities.

Senator STABENOW. I would encourage you to continue to do that. In Michigan, I think we may be ahead just because they did more aggressive identification than other places, but it is very alarming what we are seeing.

Mr. RUPE. Yes, and I was very happy to have visited Michigan last month and speak with a gentleman who was critical in helping address that. We have engaged with stakeholders in Michigan to help work on that aspect of it.

Senator STABENOW. Great. Ms. Brand, I wanted to talk a little bit about the Rural Energy for America Program, REAP, which, as you know, is one of the essential tools for improving energy efficiency and deploying alternative energy and combating the climate crisis. It is very popular in Michigan and I am sure in other areas, which is why we gave it permanent, mandatory funding in 2014.

Unfortunately, though, I have been hearing concerns that USDA is not promoting the program as it once was. What are you doing to ensure farmers, ranchers, rural small businesses are aware of the REAP program and the opportunities to apply for grants and loans?

Ms. BRAND. Well, thank you for that question. We have very much a team approach to outreach with the REAP program as well as our other programs, both at the national level, our national office team participates in national meetings. In fact, there was just the Federal partners that we partner with and provide outreach with but also stakeholders and national trade group meetings. The State offices work with their individuals in their localities to talk about the programs and help both farmer producers and small businesses understand the benefits.

I have been out in the State and anywhere from a small $12,000 REAP announcement to a small business in Michigan, to also—and Virginia, an announcement where there was a hospital that benefited from solar panels and reduced their energy efficiency. I would say that we have done a lot and will continue to do more to make sure that people understand the benefits of that program.

Senator STABENOW. Thank you. Finally, I know I am running out of time, but Mr. Rupe, I want to ask you a question on rural broadband. Every single person on this Committee could tell you stories of the challenges because we do not have rural broadband. We made rural broadband a huge priority in the Rural Development Title of the Farm Bill.

Will the Administration advocate for full funding, the $350 million, for the farm bill broadband program, as we go forward?

Mr. RUPE. Thanks, Senator, for the question. We share your concern for broadband access throughout rural America. It was central to the task force report that was submitted to the President shortly after the Secretary came on board, so it is central and we recognize that issue.

Having said that, I think it is important to recognize the full effort that we have engaged in that light. We have addressed it through the American Broadband Initiative, and through that American Broadband Initiative we are working with our Federal partners to address all of the issues, to help modernize delivery, streamline our approach, and more effectively leverage the Federal dollars that we spend.

Senator STABENOW. What Federal dollars, though? The issue has been there has not been enough of a priority in terms of Federal dollars, which is why we came together to prioritize it in the Farm Bill. I appreciate efficiency with what you have, but if we are going to actually grow the economy and quality of life in rural America, this is central. We are going to need the Administration weighing in very strongly to make sure this is a priority in the budget.

Mr. RUPE. Yes, ma'am. We are working very hard to fully deploy, first of all, the ReConnect funding that was appropriated. We are in the middle of offering awards out to many applicants throughout the United States. We received $1.4 billion worth of applications on the first $600 million that we received. Early next year we plan to offer an additional $550 million that was appropriated by Congress in a second round of funding, and we anticipate having high interest in those programs as well.

In addition to that, we are very happy to provide technical assistance, if requested, to help address some of the issues associated with funding, and how we best approach that on an overall basis. We are actively engaged in marketing our programs to ensure that we effectively deploy them.

We also work very effectively and in a very friendly way with our partners at both the FCC and NTIA, to make sure that we understand where funding is needed, to where we can help leverage private investments, as well as Federal dollars and State dollars to help address this issue. We believe that by partnering with not only the private stakeholders as well as the nontraditional folks that would normally not be in the broadband business, that are expanding into that area, we think those are very effective ways to help leverage that partnership. It is not just a Federal Government solution but it is truly a community solution that is driven from the local level with shared partnerships and stakeholders at every level.

Senator STABENOW. Thank you, Mr. Chairman.

Chairman ROBERTS. I thank the Senator.

Mr. Rupe, you can take this on, and then any member of the panel that wishes to add anything that they think is pertinent, please feel free.

Last week, the Department notified the Committee of upcoming plans to close 11 Rural Development offices across the country. On behalf of the entire RD mission area, can the panel provide any update on this issue, discuss what, if any, impact this will have on constituent services in each State affected by a closure? Other than the two offices in Kansas, are there any other vacant offices in the country that have not yet been closed?

Please, sir.

Mr. RUPE. Senator Roberts, thank you for the question. The proposed office closures, I can say, will not negatively affect customer service for our programs. The States where office closures are occurring will continue to have multiple field offices, and our employees in those offices are able to identify a wide range of community and economic development resources for local leaders, business owners, families, farmers and ranchers, schools, nonprofits, cooperatives, and tribes.

There are other vacant offices in the country that have not been closed, and in any office closure proposal where employees are stationed, the following applies: no employees are losing their jobs, and relocations are offered if needed for an employee. RD is continuously evaluating the optimal location of staff and resources to serve the customer and deliver programs to rural communities.

I can affirmatively state that as a former career employee in the agency, as a former community banker where we did not have a Rural Development office in our community, and as a former State director, customer service is not simply a matter of having an employee in a certain office, but more of having a strong employee, with strong customer service skills, in the optimal location.

Chairman ROBERTS. Help me understand this. It is probably counterintuitive. The two offices that are being closed in Kansas are Garden City, Kansas, which is a thriving hub in southwest Kansas—I hasten to add, along with Dodge City, and Liberal—but Garden City is an area that is really experiencing a growth period, which is good news, of course.

The other city being Manhattan, Kansas, home of the ever-optimistic and fighting Wildcats. We are seeing a lot of growth there too, especially with the BRI there and then the national bioagriculture facility that is under construction. You are closing an office there and then perhaps providing your service to other areas, or you mentioned field offices.

People are asking me why—you know, why close in Garden City when they are on the move? Why close in Manhattan, because that is probably the central focus of agriculture in our State?

Mr. RUPE. Senator, I am happy to address that. I think that in any community when you want to see economic development and growth, that is the whole point of what we do. Having said that, I can address it from my perspective, from my hometown in Douglas, Wyoming, where we have a strong economy currently, and we still do not have a Rural Development office. There are plenty of services that are offered to the community where I come from, just as they would be in Manhattan or any other rural community.

Having said that, the last time that Rural Development had any major change was over 25 years ago, and if we all think back 25 years ago how much the economy has changed and how much corporations have evolved, for us not to evolve with that just does not make sense. I mean, we talk continuously about broadband and access and the changes to the economy by having modern technology. Our organization should take advantage of modern technology as well to deliver those services.

Again, I believe it comes back to having the right relationships and the right people in the optimal locations. It is not simply having an office location in any single community but more of having the right people in the optimal location who have great relationships with the local leaders and are willing to engage at the local level. I do not believe that you necessarily have to have your office in that certain spot to address every need, because we have a tremendous need throughout the United States and we cannot possibly have a location in every single community that needs it. We have to deliver our programs efficiently and effectively, and engage it to where everybody can take advantage of the development, not just certain communities.

Chairman ROBERTS. I appreciate that answer. Please keep us posted if we can be of help to you, when you think that maybe some of these decisions could be revisited or, as you have said, really provide the best service where it is vitally needed.

Let me ask you one other question real quick. How is the Rural Utility Service coordinating with the FCC on rural broadband issues? What is the most significant impact this coordination will have on rural broadband access?

Mr. RUPE. Senator, thank you for the question. I think it is important to recognize that we have a very strong and positive working relationship with the FCC. The Secretary of Agriculture, Sonny Perdue, as well as the FCC chairman have a great relationship, and that permeates down to the staff level. We meet with the FCC on a regular basis.

I think it is also important to recognize there are significant differences in the delivery of our programs. Whereas the FCC provides operational cost reimbursement in high-cost areas, we provide the capital construction costs to be able to build those services into a community. We have distinctly different missions and different funding methodologies to achieve that.

However, common to both of us is the fact that we have got to have good mapping to be able to determine where a service is and where it is not. I think the FCC has done a superb job this summer of working to try to improve their methodology for collecting data. We are working with not just the FCC but also with the NTIA and with private stakeholders and State-level governments to properly understand what is currently out there. What we have found when we have put boots on the ground, in going out and doing site validations, is oftentimes there is no single source that has the absolute correct data to be able to recognize who currently has service on a 24/7 daily availability at the FCC standard.

We are working diligently and we are meeting regularly to help accomplish that mission to where we can effectively deploy the Fed-

eral dollars and partner with private investments, so we truly can leverage and make the right impact in the right locations.

Chairman ROBERTS. I thank you for your answer, and again, please keep us posted. I know that Senator Stabenow and every member of the Committee is interested in this issue.

Senator Smith?

Senator SMITH. Thank you, Chair Roberts and also Ranking Member Stabenow. I want to just first, in addition to thanking you for being here today, just thank you so much for the topic of this hearing.

Since I have been Senator I have traveled all over my State, to small towns and rural areas, and I think a lot of times when we go to these parts of our States, and we all have them, we show up sometimes with this attitude of like, "Tell me all about your problems," instead of showing up and saying, "What can we learn?" "What are you doing that is working, that we can support here in Washington?"

With that spirit in mind, as I visit the communities in my State, I have been so inspired by the creativity and the innovation that I see. Certainly there are challenges, challenges that we can all work on here together, but also so many things that are going right.

It was with this spirit that I asked Senator Mike Rounds to join me in a rural economy working group, a bipartisan working group, that is really focused on lifting up what is working and figuring out what we can do to support it more. I wanted to mention that to my colleagues here today because I would welcome all of you participating in that conversation, as a way of moving forward the good news in rural communities and what we can do to support it more.

With that spirit in mind, I am really grateful to have a chance to talk with you all today, and I want to start, Mr. Lammers, with you, the issue that Senator Ernst started on, which is the issue of rural housing. We know what a big challenge this is in rural areas. It becomes an economic constraint, when rural communities that are growing jobs do not have the housing that they need for the workers who are wanting to live in that community. It is particularly a challenge in Minnesota for affordable housing in rural areas.

I want to hone in on the federally assisting—excuse me—the federally assisted housing units that we know are not in great shape and are aging quickly. Many of this problem is just a significantly big problem in rural areas.

I introduced a bipartisan amendment to the Agriculture Appropriations bill that the Senate recently passed, that would require the USDA to prioritize maintenance needs in rural housing units, and would also ask the USDA to strengthen enforcement against property owners who are failing to make the repairs that are necessary to those housing units.

So, Mr. Lammers, could you—I know you understand the importance of preserving these rental housing properties in rural areas. Could you tell us about how this will be a focus of the Rural Housing Service, going forward?

Mr. LAMMERS. Thank you for your question. Last year—and I, too, have, by traveling and seeing the people that we work with and the people that we help out in the communities, have learned a lot about the mission rather than what happens here in Washington, and it is inspiring to me to be able to be part of the mission that serves the rural communities, especially. We have got some great people throughout the country, and here in our offices in D.C., that are inspired to help.

Last year, we provided funding to preserve 216 housing units in, I think it was for 7,678 families that were able to continue living in what I would call preserved housing.

We are working on a restructure of the way we deliver services through multi-family, and our goal is to have more of a focus on pathways that deal with managing of risk and assessing how often we should inspect and how often we should enforce different properties—property owners. If a property is performing well financially, and management is onsite and is keeping the property up to date, we would probably look for less inspection if we have not had problems with it in the past.

It is a risk-based approach that we plan to implement. Right now we are reviewing the portfolio to see what percentage of our properties are in more need versus less need, but it is a process that is underway.

Senator SMITH. So let me ask you. It is my understanding that it is difficult to manage this enforcement because the Rural Housing Service does not currently keep track of the total number of inspection violations by property. Is that correct, and why wouldn't the USDA require this information to be included on the inspection reports?

Mr. LAMMERS. Well, thank you. I have been part of a—I visited a property in rural Colorado that had just received an inspection, and it was a couple that has owned a property for many years and they were quite welcome to what we had—what our inspectors had suggested. We do keep track. I think we need to do a better job, and the realignment that we are working on will allow us to do that, and to concentrate our resources where they are most needed.

Senator SMITH. Well, thank you. I look forward to continuing to work with you on that. Thank you.

Chairman ROBERTS. Senator Fischer.

Senator FISCHER. Thank you, Mr. Chairman. Mr. Rupe, you mentioned in your testimony, and although it is not a Farm Bill program, about the Broadband ReConnect Pilot Program applications, that they are now being awarded. I have several companies in Nebraska who have applied for that new pilot program over the summer. Can you give us some kind of status update on that new pilot program and describe how the processing of those applications and the award decisions have been progressing so far?

Mr. RUPE. Yes, Senator. Thank you for the question. I was very proud of the ReConnect Program and we thank you for your support of that program. We believe it is vital to be able to address the broadband issues that we see.

First of all, I share the belief with the Secretary that investments made through the broadband pilot program are going to be

critical to providing health care, education, banking, and job opportunities and open, vital markets for our farmers and ranchers.

I would like to emphasize that this is a pilot program, and, therefore, you know, we do not know all the right answers right out of the gate, and we took our time. We wanted to make sure that we delivered in a modern and efficient way. We opened that program for applications earlier this year, and we received 146 applications from 41 States throughout the U.S. for the total of $1.4 billion on the $600 million in appropriations from the first round of funding that we received from the appropriations bill.

We have worked very hard to make sure we had a modern delivery and decisionmaking system in there. If you go to ReConnect.usda.gov you can see the current status as reflected in any application and be able to pull up a map and it will show where service is proposed in any one area. We also gave current providers the opportunity to be able to challenge any service area that was proposed for service, so that when we put boots on the ground and verified whether or not that area currently has service we knew that we were speaking to the right people in the right location to make the right decision.

Having said that, we have started the award announcements for those, and we plan to have that fully completed by December, for the first round of funding. We have publicly announced some of them. We have many offers that are on the table for 27 projects so far, as of this morning, for a total of $289 million worth of those funds in 20 States.

We are actively engaging in making our decisions and finding the right award opportunities and the right locations, and it changes on a daily basis, and we are working extremely hard to make that happen.

Senator FISCHER. Well, thank you. You know how important it is to be able to have broadband across this country. I like to say it is the No. 1 priority for infrastructure in the future if we are going to keep our rural areas vibrant, to make sure that governmental services are available, to keep people, young people there, because of the opportunities they will have with education, to keep older people there as they age and need to have possibly more medical care to make sure that that is available as well.

There are a lot of really cool things happening when it comes to especially the Internet of Things and that connectivity that is out there, and to be able to make these advancements, it is extremely important that we keep all citizens in this country connected to the future and what is available in the future.

Administrator Brand, in the 2018 Farm Bill we added some implementation requirements to the biofuel markets program. The USDA is required to establish an expedited approval process for products to be determined eligible for the procurement program and to receive a biobased product label.

Can you provide an update on where those efforts in the agency are right now?

Ms. BRAND. Yes. Thank you very much for that question. We are very happy to have the biobased markets program within Rural Development. It is a natural fit with many of our stakeholders. We have already fully incorporated them within our programs and

stakeholders. We have gone to meetings—the national office team has accompanied them on meetings. The program itself is up and running, fully functional within Rural Development, within Rural Business Cooperative Service.

Likewise, the regulations, we are in the process of writing those and finishing up those rules, and will have them available early in 2020.

Senator FISCHER. Thank you so much. Thank you, Mr. Chairman.

Chairman ROBERTS. Senator Casey.

Senator CASEY. Thank you, Mr. Chairman. I want to thank the panel. I am sorry I was here a little late for your testimony. I want to start with the topic you have heard so much about, broadband, and I guess to emphasize a couple of things that are coming in sharper focus now than maybe even before.

A number of years ago, after hearing a number of individuals in our State, public officials and others, asking about what we were going to do about rural broadband, and talking about the economic development impact, the business impact, the broader economic impact, one county commissioner finally made it clear to me. He said, "Senator, kids cannot learn without broadband," that our schools, a big part of the problem was what was not happening in our schools. Over and over again I keep coming back to that.

Whether you are thinking about this in terms of economic growth or job creation or in the connectivity that has to precede that, or whether you are thinking about it in very basic terms, when it comes to children learning in school or not being able to learn, this is a huge challenge. I know that USDA has been working on this. I know that we have had a number of efforts made by both parties, both houses, and now two administrations, to begin to tackle this problem.

Unfortunately, with all the initiatives, all the programs, we are way behind. In my judgment, when it comes to rural broadband, we are failing. We are just not getting the job done, and we cannot allow that to persist.

We know that when it comes to both small businesses and farmers, and sometimes they are one in the same, without access, their profit margins are being adversely impacted. Farmers without access report missing out on technology to help increase their business. They may have to drive hours to deliver financial information to their accountants.

Rural residents are having trouble accessing information about government services. We do not talk about this very much. It is not just that the small farmer cannot access information sometimes about USDA, but cannot get information about Social Security, cannot get information about Medicare, cannot get information about filing their taxes, cannot get information about applying for jobs online. There is just a whole range of problems.

I know that USDA is working with other agencies on this, and I appreciate the work that you are doing.

There are others who come to us and say, "We want to make sure we can maintain our tax exempt status while receiving broadband funding," and I know that Mr. Hayward, on another panel, will be concerned about ensuring that electric cooperatives

are able to utilize these programs focused on broadband and not be disadvantaged.

I guess the first question is by way of reiteration. I know you are repeating yourself because of this question, but give me, I guess, the most cogent update on where we are with regard to the rural broadband program, the ReConnect Program, and any other update you can provide.

Mr. RUPE. Senator, thank you for the question, and I think that it is also important to recognize that within our electric infrastructure loan program we also have investments for smart grid, which includes fiber, and if we think back to when this organization was originally formed, back in the 1930's, it was the electric co-ops that were formed that helped start electrifying America, and the Secretary and I definitely see this as a modern-day version of that.

Having said that, that is when I mentioned the non-traditional approach. If we continue to do the same thing over and over again without changing, we should expect the same result. That is why I say we are working very hard to find non-traditional approaches, while maintaining strong underwriting, good methodology to get the right information to the right location, to make the right decision.

With that, it absolutely makes a difference. We are more than happy to pair up, in any program, to help find the right solution if it is within our authority to do so and it makes sense for our applicants to take that approach. We have tried to be very flexible, and that is how we designed the ReConnect Program, to ensure that if someone has the capacity and they have willing partners to come to the table to provide that service that is so desperately needed in rural America, that has not yet been addressed through the private sector alone, we are more than happy to engage and make that happen.

We welcome the opportunity to do so through our program, so we are very happy and very pleased that you have been willing to support our programs to date.

Senator CASEY. I appreciate that. I just happen to represent a State which people think of as a State with big cities and a little bit of territory in between. We have got 67 counties; 48 are rural. We hear about this issue a lot.

I will, Mr. Chairman, submit a question for the record to Administrator Brand regarding the Healthy Food Financing Initiative, and I am out of time, but it is a great Pennsylvania model. I will submit that in writing, as well as others.

Thank you, Mr. Chairman.

Chairman ROBERTS. Thank you, Senator. Senator Boozman.

Senator BOOZMAN. Thank you, Mr. Chairman, and thank you all for being here to discuss the rural development title of the Farm Bill. The Farm Bill, for our State, as it is for so many other States is one of the most important pieces of legislation that we deal with here.

First of all, I want to thank you for the job that you all are doing. I had the opportunity to visit a lot with Rural Development in Arkansas. They are doing a tremendous job, and I really appreciate the support that you are giving them. Give yourselves a big pat on the back in that regard. Sometimes we hear lots of negatives but

we do not take time, again, when people are working hard, to try and help each other.

I do not really have a question about broadband since it has been brought up so much. I do want to reaffirm its importance. You know, sadly, in Arkansas, and throughout much of rural America, you see young people sitting in their cars, doing their homework, leaching the broadband from the local schoolhouse. That is not an uncommon sight. I would say it happens even in Upstate New York, so that is something that I think we all are certainly united on.

Let me ask you a question regarding the Rural Development Wastewater and Community Facility Programs, in the sense that in 2019, they are still required to utilize the American Community Survey, the 2006 through 2010 dataset, in determining the median household income of the project service areas for various loan and grant eligibility within the programs.

It is my understanding that Rural Development has not obtained an updated State non-metropolitan median household income from the Census Bureau for each State that must be obtained in order to use with a more current American Community Survey five-year dataset.

This is kind of in the weeds, but the question is, when will Rural Development begin using a more current dataset to determine the median household income of a project service area? The world has changed a lot since 2000 and 2010.

Mr. RUPE. Senator, thank you for the question. First of all, I think it is important to understand why we do that, and I think that we need to address that first. As far as why we do that, that is to ensure that we are being fair and equitable in how we handle the grant component of our loan program, where we can match that up to where we are not giving undue advantage to someone who has a lot of deferred maintenance in their system and refuses to charge their customers fair and reasonable rates to have a sustainable and functional, healthy drinking water and waste disposal system. That is the reason that we do that.

Second, we have to have equitable information, solid information, and the census is a way to do that. Because it is an every-ten-year census, it does create issues of challenges between what was and what is, because, as you said, a lot can change in the course of eight years, as we have seen.

The good news is that we have a great economy and the economy is the best in my lifetime, and I think that is a good-news story that is worth stating. Because of that, we have seen the ability of people to improve on their systems and have a healthier and livelier economy because of that.

With that said, there is an opportunity for us to help improve in how we deliver that and make those decisions, and by having access to more current information would definitely be helpful. The ability to be able to improve on that, we are more than happy to take a look at and work on, and we can work with you as we move forward to help——

Senator BOOZMAN. We appreciate that, and we really would like to work with you. There are similar programs throughout govern-

ment that depend on this same sort of data. Where you get in trouble is these out years, as you get so far out.

Mr. RUPE. Yes, sir.

Senator BOOZMAN. Again, in a very changing time in rural America. Thank you, Mr. Chairman.

Chairman ROBERTS. Let me ask a question of Mr. Lammers here, that I intended to ask before. My apologies to Senator Gillibrand. Nice to have you back. I will do this real quick.

Mr. Lammers, this question is for you. One of the top priorities in the rural development title of the 2018 Farm Bill was to try to prioritize our community facility funding for the construction, or the improvements to addiction treatment facilities which address the problem, or the epidemic that we are experiencing with opioid addiction.

In Kansas, we had a unified effort with law enforcement to close down a lot of meth labs. Today we find, in many States, that does not exist anymore, but still the product comes through, now straight from Mexico, probably from China. This is a much stronger situation with meth.

We just had the district attorneys of Kansas in, and I asked them what their No. 1 question was. I did not expect this, but for the second year in a row they said meth, clogging up law enforcement, clogging up the courts, and obviously causing great pain to many families.

My question is, what kind of demand has USDA seen for funding of these types of health facilities and how is the Department educating our communities about the resources available, if any, at the Department to help fight addiction?

Mr. LAMMERS. Thank you for your question. I have seen firsthand, in some of my visits around the country, the issues that exist, specifically touring Kentucky and Tennessee. I toured a jail that was under construction, and the main reason for that jail was because of incarceration because of addiction. There is definitely demand.

We have financed about 37 projects in 15 States that have contributed to either the treatment or prevention of substance abuse. Our staff has been out working, trying to make sure that people understand that under the Community Facilities Program, we are able to finance those treatment facilities. So thank you.

Chairman ROBERTS. This is a problem that is not going to go away any time soon, but we really have to mount an intensive effort to be of help, and thank you for your work. Senator Gillibrand?

Senator GILLIBRAND. Thank you, Mr. Chairman. It is a delight to be back.

Ms. Brand, I was proud to pass my bipartisan Rural Jobs and Investment Act into law as part of the 2018 Farm Bill reauthorization. This legislation made multiple reforms to the rural development title to reverse declining rates of rural entrepreneurship in recent years, and create quality jobs across rural America. These reforms included multiple improvements to USDA's Rural Business Investment Program to expand access to equity capital that is nearly nonexistent in rural areas. Rural entrepreneurs are in desperate need of this capital to start and grow businesses.

The Farm Bill also included a new program that I proposed, the Rural Innovation for Stronger Economy, or RISE, grant program, which authorizes grants of $500,000 to $2 million each, to locally driven rural jobs accelerator partnerships, made up of entrepreneurs, local leaders, investors, and job training providers so they can work collaboratively on improving their local economy and positioning their region to be more competitive.

Can you please provide a status update of implementation of the Rural Business Investment Program reforms and the newly created RISE grant program?

Ms. BRAND. Yes. Yes, ma'am. Thank you for those questions.

First, the Rural Business Investment Program, we are in the process now of writing the rule and the changes needed, and some of those have been made through administrative notices, but the rest of them will be finished in early 2020.

With regard to the RISE program, the grant program, we are excited to be able to look at that as an opportunity, as a rural jobs creator or accelerator partnership, and we are awaiting funding to be able to implement that program, however.

Senator GILLIBRAND. Thank you. The Rural Business Investment Program is modeled after the SBA's Small Business Investment Company, SBIC, program, and I am aware of a memorandum of understanding signed by USDA and SBA to better coordinate the delivery of their programs to assist rural entrepreneurs. Improved coordination between SBIC and RBIP programs should be part of this MOU in order to mobilize more capital for rural businesses. Can you commit to working with the SBA on dedicated efforts to prioritize the certification of more SBIC funds as the Rural Business Investment Companies through the USDA and more RBICs as SBIC funds?

Ms. BRAND. Yes. Thank you for that question. Certainly we—and we already have been. That MOU has been in existence for almost two years now, and we have already been working jointly with SBA on outreach and reaching out to investors across the country, as well as trying to streamline the application process to make it easier for them to be in one or both of the programs.

Senator GILLIBRAND. Thank you. I recently introduced legislation, the Rebuild Rural America Act, which creates a rural regional block grant that awards dedicated annual long-term funding to implement locally driven economic and community development strategies. Rural communities face complex challenges that demand comprehensive solutions and long-term planning, but the current Federal grant system is too narrow and inflexible to truly address their specific needs.

Larger cities have benefited from this kind of investment for decades in the form of community development block grants. My bill would create a similar dedicated pool of funding provided through five-year, non-competitive, renewable block grants.

How are your programs currently helping rural communities build greater capacity to advance local plans for community and economic and development, and do you see value in long-term, non-competitive block grant programs that complements the existing competitive grants and financing programs currently available through the USDA Rural Development?

Ms. BRAND. Thank you again for that question. We—one moment, please. Let me catch up with you on—so we are working with Rural Development State councils and also to deliver those programs, and right now we are in the process of working—reviewing that and writing the rule, and we will be working on that throughout and the beginning of 2020.

Senator GILLIBRAND. That is great. Thank you, Madam Chair—Mr. Chairman, and Madam Ranking Member.

Chairman ROBERTS. I appreciate that. It would appear now that, a big thank you to our first panel. Thank you for coming. I appreciate your testimony and insights. Very helpful to the Committee.

I would like to welcome our second panel of witnesses before the Committee, and thank you again to the first panel.

Mr. RUPE. Thank you, sir. Thank you, ma'am.

[Pause.]

Chairman ROBERTS. Is everybody settled? Thank you all for coming. We really appreciate it very much.

Senator Hyde-Smith, you are right in the nick of time to introduce the next witness—the first witness.

Senator HYDE-SMITH. Thank you, Mr. Chairman, and thank you for convening this hearing to review the U.S. Department of Agriculture's implementation of the rural development and energy provisions in the 2018 Farm Bill.

Farm bills provide us with an opportunity to go back and periodically address and look at an array of programs and issues of importance to rural America, and especially in places like Mississippi.

The Senate Agriculture Committee has an equally important responsibility to provide oversight to ensure USDA implementation of the law is timely, consistent with congressional intent, and meets the needs of our constituents, but I certainly appreciate these outstanding witnesses being here today.

I would like to give a warm welcome to Mr. Keith Hayward, here on the end, the CEO of North East Mississippi Electric Power Association, based in Oxford, Mississippi. During Mr. Hayward's 32 years of service, the North East Mississippi Electric Power Association has grown from providing electricity to 10,000 homes and businesses to providing power to approximately 27,000 today. I am proud that this association continues to be one of the fastest-growing electric power cooperatives in the entire country, doing an outstanding job.

Again, Mr. Hayward, thank you for taking the time to come to D.C. and be with us today and to share your knowledge and insights and ways to improve the rural lines that we have here in this country.

Mr. Hayward, there has been a tremendous amount of attention and resources directed toward rural broadband deployment in the 2018 Farm Bill and in recent appropriation bills. One program, in particular, is the ReConnect grant, and it is the loan program administrated by USDA Rural Development, and I understand your power association has shown a considerable amount of interest in participating in this program.

Will you offer some insight as to how this program is helping North East Power Association meet the needs of the customers and bridge that digital divide that we so many times experience? What

recommendations can you offer on how we could improve, to better meet the needs of the people of rural Mississippi and around the entire country?

Mr. HAYWARD. First, thank you for that introduction and thank you for your dedication to the State of Mississippi. It is very well thought of.

As far as the ReConnect program, we did apply for the grant-only program. There were some experiences with some difficulties and some rulemaking. In particular, in our area, we have one of the more vibrant areas of Mississippi around Oxford, but we have a great deal of unserved territory, which qualify for the grant application.

One of the problems we had is we have the mapping system that has been discussed here earlier, that is really not very accurate but it is the best that we have. We are taking government data that has been provided through the FCC, that the USDA got, and they give us the territories that we can apply for.

One of the stipulations in the grant program was the fact that it was a 100 percent that could not have any N1 service, and a 100 percent mark is very hard to reach. It is perfect. We actually set up a phone bank of 1,200—and called 1,200 of our members that were in the territories that we were given, to try to figure out if we had somebody out there that may be getting service that was not on the map or that we did not know. Because if there was just one challenge then the way the grant was written, that the whole grant would be disqualified.

We were spending thousands of dollars to apply for this grant, and much like the loan programs, they were a 90/10 percent. One of the problems we had was trying to make sure—and we do not know to this day. We have not received word. We do not know to this day if some of the—if there were some people out there that maybe we did not know about or got service in between the time that we applied for the grant.

The other issue that we had is we feel like that through some of the stimulus money there have been several systems that have demonstrated that they can put fiber in the electric space and own the fiber as part of the electric company. We feel like that the electric GFRs, at RUS are not being—they need to talk with the telecoms. I think we are getting a lot of the telecoms are writing some of the rules, and they need to understand our business, because we figured out a way to do it differently. If we are going to serve rural, unserved, sparsely populated areas, our structure is different than the telecoms. That has been demonstrated through some other utilities that are out there doing that, and we feel there needs to be a little bit more collaboration between the two different departments within the USDA.

Those are the two main concerns. I had one more. If you will pardon me just a second.

[Pause.]

Mr. HAYWARD. Oh. I am sure we will talk about this later, as I get into some more testimony. The RUS ReConnect program was a 10/1 service minimum. FCC is a 25/3. You know, when I talk to my constituents, the first thing I ask them is, "Can you give me a definition of broadband" because we have changed the definition

of broadband so many times, and by the time we write a new definition of broadband it seems like it is out of date.

I do feel like if there is another program it needs to be at least 25/3. What we are looking at offering our customers is fiber to the home, which will offer up to a gigabit service, because we are building for the future. That is the way we do for the electric co-op, that is the way we have done for the past 85 years. We build something that is going to stand the test of time.

As you talk to customers and we have rolled out these surveys and we find people that are trying to run small businesses on their homes, on their data plans, on their cell phones, or trying to do their homework—I am in a college town and we have several students, we have professors that are having to—they are sending out their information on video now and people taking classes at school. The speeds are getting exponentially faster and faster and the need for data is getting more and more out there.

You know, much like Tennessee and Chattanooga, you know, they got gigabit service. I want my members to have gigabit service also, and that can only be done through fiber.

Senator HYDE-SMITH. Thank you very much.

Chairman ROBERTS. At this point I think we will introduce the next witnesses.

Senator Ernst was looking forward to introducing her next witness, Mr. Bryan Sievers. She is not here. Somebody conducted a study some years back and said that Senators are supposed to be two places at the same time over half the time. I think we are going to add three to that now.

Anyway, we are happy to welcome Bryan. Bryan and his wife, Lisa, are the current owners and operators of Sievers Farm, a 2,300-acre, 2,400-head beef cattle feedlot, and renewable energy facility, located in western Scott County, Iowa, which is near Stockton.

The Sievers Farm boasts a 1-megawatt combined heat and power system fueled by methane produced from two anaerobic digesters, utilizing beef cattle manure, agriculture processing waste streams, cover crops, and other co-feeds. The electricity that is generated is sold to their local service provider.

Bryan is a 1982 graduate of Iowa State University, home of the Cyclones, with a degree in agriculture business. Bryan, Kansas State will play Texas. After we play Texas we come up there to play you. Just take it easy on us, will you?

Leader McConnell has already introduced Mr. Michael Stanley.

And for the last witness I turn to our distinguished Ranking Member, Senator Stabenow, for her introduction.

Senator STABENOW. Thank you, Mr. Chairman. Last but not least, I am so pleased to have Dr. Jeff Dwyer with us at the hearing. He joins us at the Director of Michigan State University Extension and the Senior Associate Dean of Outreach and Engagement of the MSU College of Agriculture and Natural Resources.

At MSU Extension, Dr. Dwyer leads 600 faculty and staff with the goal of improving quality of life in rural Michigan. He has worked to expand access to health care in Michigan, through addressing the opioid epidemic, drinking water issues, farmer stress, and mental health.

Before this role, he served as a Senior Associate Dean in MSU's College of Human Medicine.

Welcome, Dr. Dwyer. We are so pleased you could join us.

Chairman ROBERTS. Mr. Hayward.

STATEMENT OF KEITH HAYWARD, GENERAL MANAGER AND CEO, NORTH EAST MISSISSIPPI ELECTRIC POWER ASSOCIATION, OXFORD, MISSISSIPPI

Mr. HAYWARD. Thank you, Chairman Roberts, Ranking Member Stabenow, and members of the Committee, and thank you once again for the introduction. Congratulations on the recent passage of the new farm bill, and thank you for the opportunity to testify on its implementation.

The farm bill is essential to electric cooperatives because it contains tools we use to keep the lights on in rural America, deploy broadband, generate and distribute electricity of renewable sources, modernize the grid, and promote economic development in the communities we serve.

For decades, the Rural Utility Service Electric Program has been our foundation, providing low-cost financing to co-ops for installing and maintaining the grid. It has been the most important rural development tool in this country's history. In addition, about half of all electric co-ops also borrow from private cooperative banks like CFC and CoBank. The Farm Bill reauthorized and maintained these important programs which gives us healthy options for financing the work we do.

In addition to our electrification work, cooperatives play a vital economic development role in the communities we serve. Since 2009, Mississippi co-ops have conducted around $25 million in rural economic development loan and grant, or REDLG projects. We believe the REDLG program remains a viable tool in offsetting population flight and job loss in Mississippi and around the country. The recent Farm Bill includes needed changes to the REDLG program to provide secure funding into the future.

In the 21st century, there is perhaps no more important rural development challenge than providing broadband internet. As this Committee knows, deploying broadband infrastructure in sparsely populated areas is very costly, so much so most of our members are lagging their urban counterparts.

My co-op recently approved a plan to bridge that digital divide by offering fiber-to-the-home broadband with up to gigabit speeds to 100 percent of our members. Our goal is to begin offering service as soon as next year.

We are enthusiastic about the farm bill's inclusion of the new loan grant program for rural broadband, building on the USDA ReConnect pilot, of which we are an applicant. We have experienced technical and rural-related challenges throughout the application process, which I hope to talk more about. We are committed to working with Congress and USDA to provide feedback on suggested amendments.

Continued government funding to reduce the up-front capital investment will remain essential to the expansion of broadband throughout rural America.

Just as broadband is key to the 21st century economic development, communication infrastructure is essential to operating a modern electric grid. The main challenge of distribution co-ops is to meet the electricity demands of customers as efficiently as possible so that every time you flip a switch the light comes on. Broadband in the grid lets us know a lot more, a lot faster about what is going on, on our system. If you want fewer outages, more renewables, less expensive and better security from cyber attacks, broadband in the grid is key.

As you continue to think about development of retail broadband, do not forget about this separate smart grid component. They look alike but they work differently, for different purposes.

The last thing I would like to mention is an issue not directly under your jurisdiction but will affect programs you oversee. In short, an unintended consequence of the 2017 tax law threatens our tax-exempt status if we accept FEMA reimbursements after a natural disaster, a broadband grant, or other Federal assistance. This is an existential threat for electric co-ops. A special thanks to Senator Smith who is leading the effort to fix this problem, and thanks to many of you for supporting her bill.

Thank you for a successful reauthorization of the farm bill. We look forward to continuing to work with you, and I welcome your questions. Thank you.

[The prepared statement of Mr. Hayward can be found on page 48 in the appendix.]

Chairman ROBERTS. Thank you, Mr. Hayward. Mr. Sievers.

STATEMENT OF BRYAN SIEVERS, MANAGER, AGRIRENEW, GLENORA FEED YARD, AND SIEVERS FAMILY FARMS, STOCKTON, IOWA

Mr. SIEVERS. Thank you, Chairman Roberts, Ranking Member Stabenow, and members of the Committee, and thank you for asking me to testify at today's hearing focusing on the implementation of the energy title of the 2018 Farm Bill.

By way of background, my wife, Lisa, and I own and operate Sievers Family Farms near Stockton, Iowa. We are fifth-generation Iowa farmers that run a 2,400-head beef cattle feedlot. We produce corn, soybeans, and hay on approximately 2,200 acres. Finally, our farm operates two complete-mix anaerobic digesters where we produce biogas that is used to generate renewable electricity, which is sold to Alliant Energy, our local service provider. We also produce reclaimed heat, which is used to heat our digesters and other buildings on our farm.

For generations we have focused on stewardship and conservation of our natural resources in our operations, and have implemented numerous water quality and soil health practices over the years, including grassed waterways, field borders, buffer strips, terraces, contour-farming, no-till and strip-till, grid soil sampling, and cover crops, much of which have been supported by the programs that have been implemented through the USDA and this Committee, as well as Congress.

I also serve on the board of the American Biogas Council, which is the only national trade association representing the entire biogas industry in the U.S. We represent over 200 companies in all parts

of the biogas supply chain who are dedicated to maximizing the production and use of biogas from organic waste. The ABC is, in turn, a member of the AgEnergy Coalition, a group of organizations committed to a strong, bipartisan energy title. The ABC and the AgEnergy Coalition believe that strengthening rural America and on-farm economies are two key ways to advance the deployment of renewable energy and the production of biofuels and renewable chemicals.

I come before you today to urge the Committee to continue closely overseeing the implementation of the 2018 Farm Bill. This important piece of legislation contains many programs intended to help farmers diversify their income streams. In the midst of trade wars, horrible planting weather and harvest weather, and the Administration's actions to undermine the renewable fuel standard, the farm bill energy title programs continue to provide value to farmers, agricultural producers, and small rural businesses.

American farmers and rural communities are hurting. While U.S. farms' net income is forecast to actually rise in 2019, these challenges are squeezing farmers between decreasing commodity prices caused by the demand destruction as a result of the ongoing trade war with China and the gutting of the RFS, caused by issuing more small refinery exemptions for the RFS than ever before. In both cases, the Trump administration's action have dramatically decreased the value of several of the products we and our fellow farmers produce, and that dramatically reduces the revenue we need to keep operating our farms.

Members of Congress have labored over numerous farm bills to craft policies that minimize the fluctuations caused by commodity price volatility. As members of this Committee continue to implement the 2018 Farm Bill, we ask members to keep in mind the value of our 21st century biobased economy, which can help offset some of the earlier-discussed headwinds which are affecting our farms, families, and the ag economy.

Chief among these policies is the farm bill energy title, or title IX, which creates high-value jobs and new income streams for American farmers, accelerates the commercialization of new technologies and products derived from agriculture, and supports construction of biogas systems and biorefinery manufacturing facilities in rural communities.

Conventional and advanced biofuels, including renewable natural gas which is derived form biogas, chemicals, and biobased products made with biotechnology can drive the demand for crops, including cover crops, and perennial crops, as well as crop residuals. This can boost on-farm revenue.

As a stakeholder, the ABC was very grateful to participate in the process of helping to craft the 2018 Farm Bill. Overall, we are very thankful that the bill contained an energy title with some mandatory funding. However, in total, mandatory funding has decreased significantly from $694 million in 2014, to $375 million in 2018. That is a decrease of 46 percent.

Alternatively, the total discretionary authorization provided by the 2018 Farm Bill, which was $1.7 million, is approximately 13 percent more than what was authorized in the 2014 Farm Bill for the energy programs. While the latter increase sounds positive,

most energy title programs did not receive discretionary appropriations under previous appropriations bills, something that should change. We urge the Committee to make up for this decrease in mandatory funding by strongly supporting the full annual funding of the discretionary amount authorized.

We are especially pleased to see the Committee recognize the role that anaerobic digesters can play in the on-farm economy by establishing section 9111, the Carbon Utilization and Biogas Education Program. While anaerobic digestion technology is mature, greater deployment throughout the rural economy has been slowed due to the lack of awareness and farmer education about how they work and their benefits.

Digesters are one of the greatest methods available to trap methane-emitting waste products, such as manure and crop residues, and convert it to renewable energy, nutrient-rich soil amendments, fertilizers, renewable natural gas, and feed stocks for renewable chemicals and bioplastics. Providing greater education and outreach to farmers and agriculture producers could greatly increase the deployment of digesters as well as the utilization of the farm bill energy title programs that support digesters.

We urge the Committee to support fully funding the $2 million authorized annually for this program. While we celebrate the establishment of this program and are hopeful to see it funded, we remain very disappointed that priorities highlighted by the Committees in the conference report, such as the Biogas Opportunities Roadmap Task Force, have not been acted upon by the USDA. This provision states that no later than 180 days after the date of enactment of the Agriculture Improvement Act of 2018, the USDA Secretary, in coordination with the Secretary of Energy and the EPA Administrator, will establish an Interagency Biogas Opportunities Task Force to coordinate policies, programs, and research to accelerate biogas research and investment and cost-effective biogas systems. This task force can help the industry provide resources for potential new on-farm digester projects to ensure that they are designed, developed, engineered, constructed, and operated so they can succeed. The lack of forward progress on——

Chairman ROBERTS. Mr. Sievers, if you could wrap this up here it would be helpful.

Mr. SIEVERS. All right. I will do that—can be very helpful as we move forward with the implementation of the Farm Bill.

I will place the remainder of my testimony, which speaks more in depth about the 2018 Farm Bill energy program, on the record, and I am happy to answer any questions you might have.

[The prepared statement of Mr. Sievers can be found on page 54 in the appendix.]

Chairman ROBERTS. Thank you, sir. Thank you for your testimony. Mr. Stanley.

STATEMENT OF MICHAEL STANLEY, CEO, GRACE HEALTH, CORBIN, KENTUCKY

Mr. STANLEY. Senator Roberts, thank you for your invitation to testify at this hearing, and also I am humbled by Senator McConnell's earlier remarks.

As CEO of Grace Health, I want to share my appreciation for the USDA Distance Learning and Telemedicine grant awards. We were awarded, in 2011, 2016, and most recently the 2018 Telehealth Equipment Funding for $650,000, that includes $154,000 in matching funds. We were able to add an additional nine school-based health sites, seven clinics, and six nursing home sites.

Grace Community Health Center, doing business as Grace Health, is a federally Qualified Health Center with primary care clinics serving Southeastern Appalachian Kentucky. Grace Health's priority is to serve the most vulnerable populations, including children, older adults, pregnant women, and people with low income. We accept Medicaid, Medicare, and private insurance but also provide services on a sliding fee scale to those who are uninsured or under insured.

For Grace Health's USDA DLT project, the service area is located in southeastern Kentucky, near Virginia in the east, and bordering Tennessee in the south, and includes Bell, Clay, Knox, Leslie, Owsley, and Whitley counties. All of our service area counties have been designated as part of the federally designated eastern Kentucky Promise Zone, designed to encourage economic and educational development in one of the Nation's most impoverished areas.

The counties are also designated as USDA StrikeForce Zone. The service area is located in the Eastern Coal Field region of the State and is comprised of rugged terrain composed of soaring mountains and verdant valleys.

Grace Health sees telemedicine as an opportunity to improve the work environment for our health care providers and thus assist in provider retention. Innovative strategies such as telemedicine provide access to resources and support for both the patient and the provider, giving the provider a more realistic chance of "making a difference" that is not always possible when these resources are not accessible.

Grace Health has identified four needs to be addressed through telemedicine: (1) access to health care providers and services; (2) transportation; (3) behavioral health treatment, including mental health and substance abuse treatment; and (4) patient engagement.

To meet these needs, Grace Health has expanded telemedicine to 33 sites, including six primary care clinics, one women's health clinic, 19 school-based health centers, seven nursing homes, and one hospital. Services include primary care, consultations, behavioral health, and patient engagement. With telemedicine, rather than traveling to different clinics for different services, patients are able to access most of the services that they require at a clinic in their own community.

Using telemedicine, Grace Health's mental health providers have increased the number of patients served. Through telemedicine, our behavioral health providers have access to all of our primary care clinics as well as all of our school-based health centers. This increases the efficiency of our providers and greatly enhances services. Grace Health has improved patient engagement by increasing access to care, providing supportive services, and providing warm handoffs through telemedicine.

Access is the most basic form of patient engagement. Telemedicine helps us to increase our access points for services. When it is easier to access care, patients are more likely to receive the services that they need to manage their health.

As of July 1, 2019, Kentucky's new telehealth rules for Medicaid and commercial health help sustain telehealth programs through reimbursement of telehealth services. Kentucky is now a telehealth parity State. If a clinical encounter is reimbursable when conducted in a traditional in-person visit, that same encounter will be reimbursable when conducted via telehealth technology. This includes all services, providers, and locations, and the value of a telehealth encounter is equivalent to a traditional in-person encounter, unless the payer and provider have negotiated a reduced payment rate.

In my personal opinion, telehealth is part of the answer to our primary care physician shortage in the rural underdeveloped areas of our country. I am grateful for the opportunity to partner with the USDA DLT program, and I am committed to the success of this program that will improve the health care outcomes of your constituents that are our patients.

[The prepared statement of Mr. Stanley can be found on page 66 in the appendix.]

Chairman ROBERTS. Thank you, Mr. Stanley. Dr. Dwyer.

STATEMENT OF JEFF DWYER, Ph.D., DIRECTOR, MSU EXTENSION, EAST LANSING, MICHIGAN

Dr. DWYER. Thank you, Senator Stabenow, for your kind introduction. Chairman Roberts, Ranking Member Stabenow, and distinguished members of the Committee, thank you for this opportunity to testify about the importance of strengthening health services in rural America.

In addition to my roles at Michigan State University, I have the privilege of living in Alger County, a community of less than 10,000, on the shores of Lake Superior, and the gateway to the Pictured Rocks National Lakeshore. In Alger County, as in other rural areas, one in four residents are 65 or older. We have significant concerns about suicide at all ages, and there are ongoing challenges with substance abuse and retaining jobs with a livable wage.

Thanks to your efforts, my community will benefit from the distance learning and telemedicine program authorized in the 2018 Farm Bill. Through that grant funding, the purchase of new 3D mammography equipment will improve cancer detection by 40 percent over the current 2D technology for my neighbors.

This summer, I spent 15 weeks on the road visiting staff and stakeholders in all 83 Michigan counties. I saw the ongoing challenges and risks that farmers take to feed the world. One farmer told me, "I will be putting half a million dollars into the ground when weather permits, and I have no idea what is going to happen."

This is why the Cooperative Extension System needs to build on our 100-year reputation of serving rural audiences through agriculture education programs and integrate it with programming emphasizing behavioral health and chronic health conditions.

After observing an uptick in attempted and completed suicides in rural areas three years ago in Michigan, specifically among farmers and farm workers, we changed our approach. We have more than 600 faculty and staff members, most of whom have completed Mental Health First Aid training. Lives have been saved as a result. We developed four programs designed to help farmers and those who work in agriculture learn to identify the warning signs of stress, approach people suffering, listen empathetically, and find resources.

Our experience in farm stress management and community behavioral health models the emerging role that Cooperative Extension needs to play in health care today. The farm bill's emphasis on telemedicine and greater access to reliable broadband will help provide increased opportunity at the nexus of direct clinical services and community-based health education in rural communities.

We need to do this in collaboration with physicians, nurses, and other health care professionals. Yet recruiting and retaining health professionals means ensuring that rural communities are places where these providers want to live, work, and raise their families.

Finally, research on the social determinants of health affirms that social and economic conditions contribute significantly to health outcomes and that rural residents are often disadvantaged on these dimensions. Adequate incomes, jobs, affordable housing, quality education, and other factors directly impact health at the individual and population levels.

Two years ago, this Committee held a hearing in Michigan as you prepared the 2018 Farm Bill. As producers of more than 300 commodities, Michigan farmers' voices are critical in any discussion about agriculture and the health of our communities. I appreciate the time you took to listen and for the opportunity to continue the discussion today.

At Michigan State University and MSU Extension, we are doing what we can to support rural residents. By working together with this Committee and other partners on the Federal, State, and local levels, I believe we can find more ways to provide the services people need.

Thank you again for your time and the opportunity to address the Committee. I look forward to answering your questions.

[The prepared statement of Dr. Dwyer can be found on page 81 in the appendix.]

Chairman ROBERTS. We thank the doctor. Senator Stabenow.

Senator STABENOW. Thank you, Mr. Chairman, and thank you to all of you for coming and for your testimony today. I specifically wanted to ask Dr. Dwyer and Mr. Stanley more in terms of health care, particularly behavioral health. We know that many challenges in health care—keeping our rural hospitals open, getting providers—are even more difficult for behavioral health, mental health, addiction services in rural communities.

In 2016, the CDC reported that the suicide rate for male farmers had doubled since 2012. Last week, data from the U.S. courts revealed that farm bankruptcies are up 24 percent from last year alone, an incredible amount of stress.

Farmers need tools, as you have talked about, to manage stress in the face of market uncertainty. We worked very hard to get a

five-year farm bill to create some certainty for our farmers and rural communities, but we know right now that they are challenged on every front.

I also think that it is very important that when we talk about health care we are talking about health care above the neck as well as below the neck. This is something that I care very deeply about. As you mentioned, expanded telemedicine grants, farm stress assistance, and expanded support for community facilities to address opioid addiction and mental health services are important to address these issues.

Dr. Dwyer and Mr. Stanley, specifically—anyone else is also welcome to respond— could you provide a little bit more context of what we should be doing to improve mental health and addiction services to rural families and farmers? Dr. Dwyer.

Dr. DWYER. Thank you, Senator Stabenow, for the question, and I would just add to the data you shared that farmers and farm workers have the highest death rates due to stress-related conditions such as heart disease, hypertension, ulcers, and nervous disorders. We need to pay attention to the whole person, and we completely agree with that.

The additional enhanced support in the farm bill through telemedicine and broadband allows us to have the potential to provide more mental health care online. The research shows that for most people online health care is a viable and effective alternative to face-to-face therapy, and you have provided the opportunity for us to provide people with greater access in that regard.

We can link that to the farm stress assistance, and that is why we feel strongly at Michigan State University that our next step in the domain of farm stress is to train all mental health providers to understand the unique challenges of farmers, farm families, and rural communities.

If you are from an urban area and you do not understand the challenges of farm succession, and the difficulties that families face in that domain, you need to know that in order to be able to provide effective care.

The other thing I would say, Senator, is that you have done a great service by including these programs in the farm bill. One of the things we find in mental health care and stress-related disorders is that we do not talk about them enough. By this Committee, and the full Senate, in all of the positions that you hold, acknowledging that farm stress, that mental health, that depression, that opioid misuse, all of those things are not only important but something that is important enough for us all to invest in. That level of awareness is very important, and we appreciate it a great deal.

Senator STABENOW. Thank you. Mr. Stanley?

Mr. STANLEY. Senator Stabenow, thank you for the question, and most of all thank you for your support of community health centers.

Senator STABENOW. Yes.

Mr. STANLEY. Telemedicine allows our behavioral health providers to provide services to rural patients, with opiate and other addictions in our more remote clinics. It enables providers to reduce windshield time, driving to clinics where only a few patients

would be seen on a given day, allowing behavioral health to see more patients via the telehealth modality.

As you may be aware, many of our small rural communities have been devastated by the opiate addiction, and availability of behavioral health support is critical in allowing our patients to learn the coping skills necessary for a successful transition to sober living.

Our behavioral health providers also support family members during recovery, as children, parents, and family members struggle with their loved ones who are caught up in addiction. Vulnerable children are especially impacted, as they must deal with feelings of resentment toward their family members, while the impact of the addiction leads to further trauma for the child, setting up a potential cycle of substance abuse passed down through the family, maintained by repeated victimization and withdrawal from others due to feelings of shame.

Breaking this cycle requires intensive therapeutic support, often in conjunction with medication-assisted treatment by our medical colleagues. The ability to provide integrated treatment through collaboration is a critical component of the treatment process, as it allows for consistent provider messaging with a focus on improving outcomes for the challenging population due rates of comorbid psychiatric and medical disorders.

Too often individuals with substance use disorders are isolated in outpatient and residential treatment centers which relies heavily on single elements of care, such as solely medical treatment or counseling or housing support. Barriers to treatment are further encountered in rural communities, when providers and access to integrated treatment modalities are scant. Integrated treatment allows providers to work together for patients in chronic pain, teaching self-management skills to a population at risk for developing addiction.

Another risk population, that of pregnant mothers abusing drugs, can benefit from a coordinated care program that increases the chance of an infant remaining with its parents after delivery. When patients return home to their communities, therapeutic support becomes a necessity for parents, dealing with the challenge of raising a child while engaged in treatment for substance use disorder.

These types of special populations are almost a commonality in our rural communities, and we need all the resources available, including telehealth capacity, to treat populations that are especially vulnerable to substance use disorders. Therefore, telehealth allows our behavioral health team to maximize their impact and transcend barriers to care. Thank you.

Senator STABENOW. Thank you very much, and I know my time is up, and, by the way, Mr. Sievers, I want to followup with you about our digesters and so on, because I am very interested in how we can support efforts to expand even more on what you are doing. I did want Mr. Stanley just to indicate that we, Senator Roy Blunt and I, are working on an effort you may be aware of on behavioral health centers, to comprehensively be able to do what you are talking about between health centers and behavioral health in the community, and getting people out of jails and the emergency room to actually receive treatment. We have some real opportunities to move forward on that and I would love to work with you.

Mr. STANLEY. Thank you.

Chairman ROBERTS. Senator Braun.

Senator BRAUN. Thank you, Mr. Chairman. For Mr. Hayward, it looks like you are ahead of the curve on doing broadband in your area. How many counties does your—is your coverage?

Mr. HAYWARD. We serve parts of four counties in north Mississippi.

Senator BRAUN. Okay. In Indiana we have 92 counties, about two-thirds of them rural, and probably most RECs are either a county or two. Starting to cascade through the process of providing rural broadband.

You will actually start service here next year, it sounds like. When will you plan to be completed?

Mr. HAYWARD. Our project is about a 40-month buildout, is what we are planning, so we are planning on having it built out hopefully within four years, at least.

Senator BRAUN. That will give access to every member that has currently got electricity?

Mr. HAYWARD. Yes, sir.

Senator BRAUN. That is impressive.

Mr. HAYWARD. Our goal is to—our plan is to be able to provide it to every member. Our State law requires it before we can even get into the broadband business that we have to have a plan to provide——

Senator BRAUN. Are your other counterparts in Mississippi proceeding at the same pace?

Mr. HAYWARD. We have—our law just passed in January. We were not able to get into the broadband business from our enabling act, and we passed new legislation, and once our—I do have to have a vote of our change of our articles of incorporation, which will take place in December. We have eight co-ops already that are——

Senator BRAUN. That is impressive. You would be a model for many other States then.

We are running short on time. Next question for Mr. Sievers. I noticed you said that, when you talked about the farm economy, I think we are going through one of the toughest stretches. I am involved in farming to the extent I can be in, with the time I have available, forestry and row crops.

You mentioned tariffs and waivers. What do you think of the underlying issues that have created chronic oversupply, you know, where acres are opening up across the world that we have never seen before, where Asia, Africa, along with South America? You seem to focus on tariffs and waivers. My opinion is it goes much more deeply. How do you think we get through chronically low prices and high input costs to keep the farm economy alive in the long run?

Mr. SIEVERS. Thank you for the question, Senator. I really believe it is in the area of livestock production. I think the demand that can come as a result of increased livestock production will be helpful for the supply burdens that we are faced with, especially in corn and soybeans, which then leads, obviously, into how do you deal with that, and obviously trade is one of those things that will help.

Certainly in the beef industry, you know, we would hope and anticipate seeing improved market opportunities, certainly with Japan and the trade deal that has just been completed there. The USMCA will obviously help that as well, so passage of that by Congress would be instrumental.

I think the demand side of that equation will help pull the livestock production and the livestock sector forward and improve the demand for a lot of our commodities that are oversupplied.

Senator BRAUN. I think you are right. Where farms had kind of a focus on row crops only over the last 20 years, I think that might tip back the other way, because livestock and poultry are exportable in a way that I think most of the world now is aiming to be self-sufficient on food and feed for themselves.

Your digesters that you put in on your place, was the—could you have done one and reached an economy of scale that would have been worthwhile? You have got two digesters, correct?

Mr. SIEVERS. We have two anaerobic digester tanks. They actually operate in parallel, so it really just allows us to process the volume of manure, which is roughly half of the waste streams we process. It also provides an opportunity for a number of agriculture processors in the region to send us their waste streams. We receive waste streams from the poultry industry, turkey plants, chick hatcheries, biodiesel plants——

Senator BRAUN. Within a radius of your location?

Mr. SIEVERS. Actually, we go as far as 200 miles away. ADM facility in Decatur, Illinois, sends us waste stream.

Senator BRAUN. What is your cost per kilowatt when you do generate electricity back into the grid, and is it competitive?

Mr. SIEVERS. Well, I will give you an example. Right now we sell our electricity to our local service provider for 4.8 cents a kilowatt hour, and I would say that we are at breakeven right now. That is why the things that we have looked at with renewable fuel standard—electricity producers who operate anaerobic digesters are currently not eligible for the renewable fuel standard and the RINs that are associated with, for example, D3 RINs that go with cellulosic fuels that transportation and liquid fuel producers can get, for example, renewable natural gas.

That is one of the changes we would like to see EPA finally implement. There is a pathway there. They just never accepted or adopted any of the applications that have been submitted for the RINs pathway. That would really help us achieve maybe a little improved level of profitability as well as the overall implementation of the small refinery exemption.

Senator BRAUN. My time is up. I would love to, at a different time, learn more about what you are doing there.

Mr. SIEVERS. Sure.

Senator BRAUN. Thank you very much.

Chairman ROBERTS. Thank you, Senator Braun. You touched on a very important topic.

Coop, you are up.

Senator THUNE. Thank you, Mr. Chairman, and thanks for having this hearing on farm bill implementation. I think it is really important that we do the important work this committee needs to do to ensure that these programs are implemented in the way that

Congress intended. I am especially pleased that the 2018 Farm Bill maintains USDA energy and rural development programs which continue to improve efficiency, energy efficiency, infrastructure, housing, and economic development in rural communities across my State of South Dakota.

Mr. Sievers, you mentioned the EPA's recent unprecedented issuance of small refinery waivers, which have drastically undermined the integrity of the renewable fuel standard and the President's commitment to rural America. I have heard from a lot of producers in South Dakota who share your concern, and I continue to urge the Administration to remedy the harm that has been caused by these waivers.

Could you just briefly describe the impact of these waivers on farm country?

Mr. SIEVERS. Well, in our particular industry, the biogas that is produced, if it is converted into renewable natural gas or pipeline-quality gas, it becomes eligible for either D3 or D5 RINs, advanced or cellulosic RINs, under the renewable fuel standard. As a result of the decreased SREs, utilization of the SREs, we have seen the value of those RINs plummet. We have seen them bounce back somewhat. I think we are now trading around 88 cents for a D3 RIN, which is helpful.

In our situation, we are contemplating going from generated electricity from our biogas to a renewable natural gas facility. That represents a significant investment for us, several million dollars. If we do participate or move forward with that project we are going to have to rely on RINs as a portion of our revenue stream to help support that investment. Right now, at 88 cents a RIN, I am not sure that the value is high enough for us to be able to move forward with that.

Senator THUNE. Okay. Well, I hope that the EPA, as they work on this new rulemaking, adheres to the commitments the Administration has made about ensuring that the RFS 15 billion gallon number is a real number and that these small refinery exemptions do not continue to erode the very positive impact that the biofuels industry has had, not only on the Midwest, in the farm economy, but I would also argue on the national economy and our, you know, the environmental quality issues that we are all trying to hit these days. It has just been, I think, a win-win, and we need to keep it going in the right direction, and these exemptions have really undermined, I think, the intent and the effectiveness of the renewable fuel standard.

Dr. Dwyer, I appreciate the work that Michigan State University Extension is doing to address increasing suicide rates in rural areas, especially among farmers. This is an issue of great concern to members of this Committee, and I would like to note that South Dakota State University Extension has similar ongoing efforts.

Could you briefly describe Michigan State University Extension's work to address this issue, and also perhaps describe the agreements that you all have in place with the Farm Bureau, Farmers Union, and Farm Credit Council, to make sure that the farm stress education materials reach the producers who need it?

Mr. DWYER. Yes, and thank you for the question. We enjoy working with our South Dakota colleagues a great deal.

The specific programming we have put together initially focused on a program called Weathering the Storm, directly for farmers and farm families. This past January, we had 99 of our extension colleagues from across the country, representing 19 different States, who were trained in that program, and now that programming is being provided throughout the country.

In addition, we have a parallel program for those who work in agriculture called Communicating With Farmers in Distress. The challenges being faced by farmers and farm workers certainly impact farmers and farm works, but they also impact everyone that works around them, and those people are also in a position to know about the challenges and know about changes that people might be experiencing.

What we have been able to do at this point is develop online and face-to-face programs that we are taking out nationally, working with American Farm Bureau Federation, working with FSA, and all of those sorts of things. It really builds on our belief that the Cooperative Extension network is something we need to use differently and more expansively as we face these challenges, because through capacity funds and other means, you have provided assets that are tremendous—Statewide networks, people embedded in communities, and a 100-year history of doing work that matters to communities. We think we need to broaden that out through some of this mental health and farm stress work.

Senator THUNE. Good. Well, keep it up.

Mr. DWYER. Thank you.

Senator THUNE. Mr. Chairman, can I ask one more question?

Chairman ROBERTS. Certainly.

Senator THUNE. Are you ready to gavel this out? It is almost high noon. Not quite.

Mr. Stanley, in your testimony you talked about distance learning and telemedicine, and obviously that is something that, in South Dakota, we have long embraced. We see great benefit to telehealth, to expand access to quality care in rural areas. We have had resources awarded to Avera Health in 2018, that have helped support critical telehealth infrastructure and training throughout our State. That has allowed some of these communities to gain access to Avera's eCARE network, which includes emergency services, behavioral health services, and more.

Based on your experience over the years in DLT, I would like to have you explain to the Committee the Federal Government's return on investment in these grants. In other words, if not for these grants, how would people in these rural areas be accessing care?

Mr. STANLEY. Thank you for your question. The telemedicine really does allow our behavioral health providers to provide services to these rural patients, and again, we cover a six-county area, and so some of these are the most rural and also the most impoverished counties in the country. You are talking about some maybe grandparents raising children, incarceration, all these things that really are issues for access to care. Having our rural clinics with telehealth allows us to take care of that patient at a distance.

Again, it is very challenging to recruit providers to a very rural area that does not really offer a lot in amenities. This is really an extender for us. We have a shortage of primary care physicians. It

is challenging to get mental health nurse practitioners. This is really, I feel, the answer for us to meet that need.

For example, we have medically assisted treatment. We have utilized that for our mothers. We realize we deliver about 1,000 babies a year. Did you know that 250 to 300 of those babies are born addicted? Again, we use this medically assisted treatment program for the mothers who are willing.

We built this trust relationship with these mothers that will work with us, but see, they have to be a part of a program, and that program includes counseling. It is not just medically assisted treatment. That allows them to stay in that program, because then they can go to one of the rural sites, because again, like I said, we cover a six-county area.

I really want to thank the USDA for their support, and we really see the USDA as a partner.

Senator THUNE. Thank you. Mr. Chairman, thank you, sir.

Chairman ROBERTS. I thank the Senator from South Dakota, former Presidential candidate.

Mr. Sievers, you still out there?

Mr. SIEVERS. Yes, I am, Mr. Chair.

Chairman ROBERTS. Here is a flash for you. Last year the Warrior Biogas Project—partly this year—at the city-owned wastewater treatment plant in Dodge City, Kansas, started operations at its facility to capture and clean biogas produced from municipal and industrial wastewater for distribution into the Northern Natural Gas pipeline. It is a $9 million project designed to clean the biogas produced through the anaerobic digestion process treating wastewater from Dodge City residents and nearby National Beef processing plant.

Dodge City, we used to say, don't worry about that smell. We just smell the money. That is not the case now. What is the case is they invited their Senator to come out and take a look, and I was literally blown away. Well, the wind blows a lot in Dodge City, but this is a different kind of circumstance.

Thank you for your testimony, and I think that as this continues, there are a lot of answers here that we are coming up with.

I want to thank all of the witnesses, especially. We talked about telemedicine, opioid addiction, mental health, and even suicide rates. I think the best program I know with regards to addressing rural development is something called farm income. This is the fifth year in a row where we have had prices below the cost of production. It is amazing to me that our situation is not worse than it is. Yet farmers know somehow how to keep going. They always put the seed in the ground and expect they are going to have a crop.

I would just say, for the record, until we get this trade situation worked out, if, in fact, we are going to continue to do what we have done in the last, what, 40 years since I have been in public office, and that is to build our trade capability to not only feed this country but a troubled and hungry world.

We have got to get USMCA passed. That is the big acronym for the new NAFTA. USMCA. I call it the United States Marine Corps Always, but maybe you have two up, one back, and we can get this job done.

You have really contributed here, a great deal, with information on what we are doing on the local level, despite the fact that we have not achieved price recovery, which we simply must do. I thank you for your efforts, and I thank you for your testimony.

To my fellow members, this will conclude our hearing today. To my fellow members, please submit any additional questions you may have for the record to the Committee Clerk five business days from today, or by 5 p.m. next Friday, November 15th.

The Committee now stands adjourned.

[Whereupon, at 11:37 a.m., the Committee was adjourned.]

A P P E N D I X

NOVEMBER 7, 2019

Testimony of
Bette Brand, Administrator for Rural Business-Cooperative Service,
Bruce Lammers, Administrator for Rural Housing Service, and
Chad Rupe, Administrator for Rural Utilities Service

U.S. Department of Agriculture
Before the
U.S. Senate Committee on Agriculture, Nutrition, and Forestry

Implementation of the 2018 Farm Bill: Rural Development and Energy Programs
November 7, 2019

Chairman Roberts, Ranking Member Stabenow, and distinguished members of the Committee, we are honored to be here with you this morning to share USDA Rural Development's efforts regarding the implementation of the 2018 Farm Bill. Together, we represent the three different agencies that make up Rural Development – Rural Housing Service, Rural Utilities Service, and Rural Business-Cooperative Service.

Rural Development's mission is to increase economic opportunity and improve the quality of life for rural citizens. Together, we manage a loan portfolio of more than $225 billion and our investments support rural residents looking for affordable safe housing, municipalities seeking water infrastructure and community facilities, and small rural businesses, cooperatives, and agricultural producers looking to expand into new markets. We are also a vital source of financing for rural broadband and electric infrastructure.

Rural Development is exclusively focused on serving the needs of rural areas and is unique because we partner with local leaders and provide loans, grants, and other tools and resources to ensure rural families, business, and communities have the help they need to prosper, today and in the future.

In 2018, Rural Development invested $3.4 billion in distressed communities which is an increase of $270 million from 2017. We also built 14,500 miles of electric transmission and distribution lines to benefit more than 7 million rural customers. We partnered with cooperatives and communities to deliver rural broadband service to 45,000 homes and businesses, and we provided new or improved water and wastewater services to nearly 3 million rural Americans.

The 2018 Farm Bill reauthorizes Rural Development programs vital to helping rural communities build stronger economies, create jobs, and improve the quality of life for their residents. We have successfully started to implement provisions such as the new loan/grant option within the Rural Broadband Program, improving access to credit for rural communities by increasing the population limits for the Community Facilities and Water and Waste Disposal Programs, and implementing the Local Agriculture Markets Program (LAMP).

Rural Utilities Service

The Rural Utilities Service (RUS) provides much needed financing for infrastructure and improvements to existing infrastructure in rural communities. RUS oversees Water and Environmental Programs, Electric Programs, and Telecommunications Programs. We use a combination of loans and grants as a funding mechanism to help communities improve the quality of life for rural Americans.

The 2018 Farm Bill made significant improvements to all three RUS program areas. It is important to note that more than half of all rule changes in the 2018 Farm Bill show up in the Rural Development Title with most of those rules in RUS.

Our staff has been working with the National Telecommunications and InformationAdministration (NTIA) and the Federal Communications Commission (FCC) to bring reliable broadband to America's rural communities. We believe reliable broadband is critical for improving the quality life and economic development opportunities in rural America.

In the 2018 Farm Bill, Congress made substantial upgrades to the Rural Broadband Program. The Farm Bill authorized $350 million in broadband-related funding over five years and sets forth plans for the expansion of high-speed internet access to rural, unserved areas. The Rural Broadband Program now includes grants, loan guarantees, and payment assistance for applicants. We expect an updated rule to be published in winter 2019.

Although not a Farm Bill program, the highly-anticipated first round of Broadband ReConnect Pilot Program applications are now being awarded. ReConnect enables the federal government to partner with the private sector and rural counties to build modern broadband infrastructure in areas with insufficient internet service. These projects are bringing high-speed, reliable, internet service directly to rural residents and critical community facilities. These facilities range from hospitals, schools, libraries, businesses and farms. At USDA, we believe high-speed, reliable internet in the 21st century is just as important to rural America as bringing electricity was in the 20th century. Using both ReConnect and the Rural Broadband program,

we can serve more Americans in rural communities by ensuring they have affordable options for consistent broadband connections.

We have been working closely with the FCC, NTIA, and other federal agencies to coordinate our broadband mapping and other policies. We are analyzing how to best coordinate federally backed broadband programs and activities to promote and support the long-term viability and sustainability of rural broadband infrastructure. In addition, USDA and NTIA serve on the Executive Leadership team of the American Broadband Initiative, the Administration's signature strategy to stimulate increased private investment in broadband infrastructure and services to fill broadband connectivity gaps in America.

In our Water and Environmental Program, we increased the population eligibility from 10,000 to 50,000 in our guaranteed program for Fiscal Year 2020. We will prioritize funds for projects in rural areas of 10,000 or less to ensure that the neediest communities are served. The Farm Bill also made changes to our Rural Energy Savings Program (RESP) to improve the application process and help rural families and small businesses utilize cost-effective, energy efficient measures. We plan to publish a final rule in winter 2020.

Section 6501 of the Farm Bill required a Memorandum of Understanding (MOU) with the Department of Energy (DOE) to allow DOE to provide technical assistance on electric loans financed by RUS. Areas of collaboration include: expanding energy-related technologies, encouraging additional investment in rural America, and supporting cybersecurity initiatives and grid security.

Rural Housing Service

The Rural Housing Service (RHS) offers a variety of programs to build or improve housing and essential community facilities in rural areas. We work with our partners to ensure that rural America continues to be a great place to live, work, and raise a family. The 2018 Farm Bill had several provisions impacting RHS and expanding eligibility for our programs.

The Community Facilities Guaranteed and Direct Programs provide long-term low-interest financing to governments and non-profits in rural areas that have a population of 20,000 or less. These programs can be used to finance healthcare, education, and public service projects. Funds may be used to construct, enlarge, or improve facilities. A rule published in the Federal Register on October 4, provides communities with a population of up to 50,000 the opportunity to apply for the Community Facilities Guaranteed Loan Program. This change in eligibility will allow many more communities to apply for these financing opportunities.

Our Community Facilities programs are also used to provide critical financing to communities that are dealing with substance misuse and other mental health challenges. Section 6101 directs RD to give priority to entities who are applying to use our funds for these purposes. In Fiscal Year 2019, we obligated 47 projects for over $43 million in opioid-related obligations, and we are looking to increase our investment in Fiscal Year 2020.

We are also working to publish the OneRD Guaranteed rule which is an opportunity for the Rural Development to implement key provisions of the Farm Bill. The OneRD rule will allow us to provide better customer service to our lending partners so that together, we can provide critical access to capital in rural areas. The OneRD rule codifies the changes in the eligibility requirements for several programs by increasing the population limit to 50,000.

Another provision that we are working to implement is partnering with Housing and Urban Development on income verification for rental assistance. The 2018 Farm Bill gave USDA permanent authority to access the data from the National Database of New Hires, and we estimate that it will reduce overpayment of rental assistance. The technology matching agreements are still being developed and coordinated, and we anticipate full implementation by Fiscal Year 2020.

We also know that rural hospitals are struggling across America and they have increasing debt. Section 6103 of the Farm Bill allows refinancing of certain rural hospital debt if it will meaningfully improve the financial position of the hospital. This allows hospitals financed by the Rural Housing Service, as well as hospitals that are not in our portfolio, to refinance existing debt and help keep their doors open. We plan to publish a final rule next spring to fully implement this provision.

Rural Business-Cooperative Service

The Rural Business-Cooperative Service (RBCS) helps provide the capital and support for training, education, and development of entrepreneurial skills that can help those living in rural areas start and grow businesses. Whether it is through our Business programs, which provide much needed financial support to rural areas in partnership with private-sector lenders or community-based organizations, we are making investments in the businesses that help our rural communities grow.

The Farm Bill made changes to the Bioenergy Program for Advanced Biofuels, Renewable Chemical and Biobased Product Manufacturing Assistance Program, and the Rural Energy for America Program (REAP). RBCS expects to publish the rule implementing these changes in Fiscal Year 2020.

We have also coordinated with the Agriculture Marketing Service on the implementation of Farm Bill provisions creating the Local Agriculture Markets Program (LAMP). This program combines and streamlines three existing local and regional food system programs into one and establishes a permanent funding stream. RBCS will continue to administer the Value-Added Producer Grant program under LAMP. This program has an important role in generating new products, creating and expanding marketing opportunities, and increasing producer income. We expect to publish the rule implementing these changes in summer 2020.

The Rural Business Development Grant program was reauthorized by the Farm Bill and continues to allow us to support targeted technical assistance, training, and other activities leading to the development or expansion of small and emerging private businesses. These

businesses must be in rural areas, have fewer than 50 employees, and less than $1 million in annual gross revenue. The Farm Bill also reauthorized the Rural Economic Development Loan and Grant program, which provides funding to rural projects through local utility organizations.

Finally, the Agriculture Innovation Center Program was reauthorized in the 2018 Farm Bill. We published the Notice of Funding Availability for $3.5 million on October 16, 2019.

Rural Development has been working effectively and efficiently to implement the 2018 Farm Bill. As the Administrators overseeing these programs, we will continue to work with Members of the Committee to address the unique needs of rural America. We thank you for inviting us before the Committee to share the important work that we do. We appreciate your continued interest and support of Rural Development programs because when rural America thrives, all America thrives.

Testimony of Keith Hayward
General Manager and CEO of North East Mississippi Electric Power Association
Senate Committee on Agriculture
November 7, 2019

Background

Chairman Roberts, Ranking Member Stabenow and members of the Committee. Thank you very much for the opportunity to testify about the recently passed Farm Bill and its importance to electric cooperatives in Mississippi, and across the country.

My name is Keith Hayward. I am the General Manager and CEO of the North East Mississippi Electric Power Association (NEMEPA). We are a not-for-profit, electric cooperative providing electricity to approximately 27,000 meters in parts of four counties in north Mississippi. We are located in Oxford, home of the University of Mississippi. I also serve as President of the Board of Directors of the Electric Cooperatives of Mississippi, the statewide umbrella organization representing my co-op and the 25 other similar co-ops in our state. Mississippi is proud to be home to the first electric cooperative formed, the first REA cooperative to energize lines, and the first non-TVA cooperative to get an REA loan.

Across the country, around 900 co-ops serve approximately 42 million people in 48 states covering 56% of the US land mass. In general, we serve some of the poorest, most rural parts of our country with an average of just 10 customers per mile of line. That's far fewer than other types of electric utilities. Despite those challenges, we are doing some truly innovative work to improve the quality of life for our members. While our priority is to deliver safe, reliable, clean, affordable electricity to our members, we have a calling to be more than just poles, wires, and electrons companies. Our broader purpose is to provide the services and support that empower our communities to thrive. I am proud of the role we play in these communities.

An electric cooperative is also unique because we are locally-controlled, democratic organizations. We conduct annual membership meetings, at which our member-owners - the consumers we serve - elect a board of directors from among the membership. The directors then elect their own officers and employ a manager to run the daily operations of the cooperative. Thus, employees are responsible to the manager, the manager is responsible to the board, and the board is responsible to the membership at large. Ultimately, that's how the customers of an electric co-op have the final say in its operation.

The rural areas we serve grow most of the food, generate much of the power, and manufacture many of the goods that this country consumes. When rural areas suffer, the whole country suffers. That's why the Farm Bill should be of interest to all Members of Congress, no matter what type of state or district they represent. The Farm Bill contains essential tools we use to do our jobs. It provides financing for our basic electrification work. It facilitates our broader rural economic development interests. And it offers new opportunities to deploy rural broadband.

Financing for Rural Electrification

The Farm Bill manages two essential tools that finance rural electrification – the RUS Electric Loan Program and the Guaranteed Underwriter Program.

RUS Electric Loans – In the early 1900's, as urban areas began to electrify, rural areas lagged behind. Eventually, farmers and ranchers in remote areas took the initiative to form electric cooperatives and did the work themselves. On May 11, 1935, President Roosevelt signed an executive order creating the Rural Electrification Administration and supported subsequent legislation that led to the formation of electric cooperatives across the nation. When the utilities that existed at that time would not put capital at risk to build infrastructure to serve sparsely populated areas - even with access to REA's below-market capital at the time - not-for-profit electric cooperatives emerged to leverage REA's affordable credit to fill the void.

In the past 80 years, a lot has changed, but the same fundamental challenge still exists – how to affordably connect those relatively few customers in high cost rural areas. What was then called the Rural Electrification Administration (REA) is now the Rural Utilities Service (RUS) and it's as relevant today as it was back then. REA and RUS loans have helped build, expand, and improve the infrastructure across rural America necessary to deliver power, clean water, and other necessities. It has been the most successful public-private infrastructure investment program in the history of the country.

RUS loans help electric co-ops reduce costs and improve reliability for our members by financing basic maintenance like replacing poles and wires. But it also helps us fund projects to make our systems more modern, efficient, and secure.

RUS depends on a yearly appropriation from the Agriculture Appropriations bill. We are grateful to enjoy bipartisan support from a diverse group of Senators for continued robust RUS funding. Part of our support comes from the fact that we are such a good investment for the federal government. The President's budget request for 2020 estimated that the federal government could realize over $100 million in net interest and fees from RUS loans. We thank you for your past and continued support.

We also ask that you support policies that allow us to continue to use RUS loans to address a broad set of co-op needs - whether for generation, transmission and distribution of baseload power, integration of renewables, making environmental upgrades to existing generation, or adopting new technologies that make the grid "smarter."

The Rural Electrification Act remains an essential tool for basic electrification, deploying modern technologies, creating jobs, improving quality of life, and promoting overall prosperity in rural America.

Smart Grid – I am going to talk more about retail broadband later in my testimony, but I want to take a moment to first draw the distinction between that and the Smart Grid technology we use in the electric grid. They are two different things. The main challenge of a distribution co-op is to meet the electricity demands of our customers as efficiently as possible so that every time you flip a switch, the light comes on. High speed communications infrastructure in the grid lets us know a lot more, a lot faster, about what's going on our systems – where the outages are, what the demand is, etc. If you want fewer outages; if you want more renewables; if you want more access to electric vehicles; if you want less expensive power; if you want a system more secure from cyber-attack: broadband in the grid is key. As you continue to think about deployment of retail broadband, don't forget about this separate Smart Grid component. They look alike, but they work differently, for different purposes, and need different rules.

Cushion of Credit – We were disappointed that the Farm Bill included changes to the RUS Electric Loan Program's "cushion of credit." Cushion of credit accounts are escrow-like accounts that allow RUS

borrowers to manage variations in income and expenses – making deposits during times of surplus and drawing to pay RUS debt during a deficit. Cushion of credit withdrawals can only be used to pay RUS debts. Interest on deposits into cushion of credit accounts was previously set in law at 5%. The Farm Bill reduces that interest rate over time to a rate equal to the rate paid on one-year treasury bonds. These retroactive changes will jeopardize long-term co-op business plans and result in higher electricity costs for people in rural America – those the Farm Bill intends to serve. In addition, these cuts eliminate an important money management tool that can be tapped during times of emergency, giving certainty to the electric cooperative and the federal government. One related Farm Bill provision, which we do support, would allow cushion of credit account holders to use their balances to pay down and refinance RUS debt.

Guaranteed Underwriter Program – It is important that electric cooperatives have multiple, strong financing options. In addition to receiving loans from the Rural Utilities Service, many electric cooperatives also borrow from private, cooperative banks like the National Rural Utilities Cooperative Financing Corporation (CFC) and CoBank. In turn, the Rural Utilities Service (RUS) guarantees some of the loans made by these qualifying third-party lenders under the Farm Bill-authorized Guaranteed Underwriter Program. NEMEPA utilizes loans from CFC to finance its infrastructure investments. We are pleased that, in addition to reauthorizing the Guaranteed Underwriter Program, the Farm Bill included some modest streamlining to make this program less bureaucratic.

Broadband

The lack of access to robust broadband service today is akin to the need for electrification in rural America 80 years ago – with the urban areas of the country well-served, and rural areas being left behind. Because we have a symbiotic relationship with the communities we serve, many electric cooperatives are, in some way, engaged in closing the digital divide. More than 100 electric co-ops, including my own, are currently working toward meaningful and diverse solutions to deploy rural broadband and jump-start local economies. Nearly 200 more electric cooperatives are in the due diligence phase. Many of these electric cooperative projects have invested in building fiber to the member's home, highlighting our commitment to investing in future proof networks that will stand the test of time and meet increasing speed and bandwidth demands. This commitment is vital for the one-quarter of all rural Americans who still lack access to broadband, compared to less than 2 percent in urban areas.

NEMEPA's journey with broadband began in January 2019 when the Mississippi legislature made a change in state law to allow electric cooperatives to branch out into retail broadband to help close the digital divide. Our due diligence process included several feasibility studies to determine community interest, need, and cost, and to establish a viable business model that can stand on its own. We also hosted public meetings with our consumer-members and communicated with them throughout the process to share updates and receive their input. At our September 2019 board meeting, the NEMEPA board approved a plan to build a Fiber to the Home (FTTH) network to reach 100% of our membership We feel strongly that it's important to have a plan to serve all our cooperative members, not just those that might be convenient or easy to reach. We are currently in the engineering phase and will have a final vote to approve the plan by our whole membership at our annual meeting this December. If our plans stay on track, we may be able to begin offering high-speed broadband service to parts of our membership as soon as next year.

As this committee knows, deploying infrastructure in rural America, especially infrastructure required for broadband, is a capital-intensive venture. Additionally, our rural nature lends itself to sparse population densities which means we must spread the costs of deployment over smaller groups of consumers, greatly lengthening the time it takes to pay back a loan. Therefore, continued government funding to reduce the upfront capital investment and help make the business case to deploy robust broadband is necessary to achieve wide-spread expansion of high-speed access throughout rural America.

There are currently federal funding programs geared toward this purpose at RUS and at the Federal Communications Commission (FCC). Programs at these agencies are complementary and equally important. Electric cooperatives have witnessed both success stories and challenges within these programs in pursuit of bridging the digital divide throughout rural America. My cooperative is a current applicant for the USDA ReConnect Broadband program. We experienced both technical and rule-related challenges throughout the application process. We understand that new programs take time and adjustments to run as smoothly and efficiently as possible. As an individual cooperative and through our national association, we are committed to working with Congress and program administrators to provide feedback on suggested adjustments.

Looking forward at broadband programs at USDA, when Congress reauthorized the Farm Bill in 2018, electric cooperatives participated in and appreciated the efforts taken to learn from some previous challenges by reshaping the USDA RUS Farm Bill Broadband Loan and Grant program. We believe the Farm Bill program will help get the best broadband to the most rural Americans currently lacking access. The updated program represents a bi-partisan, bi-cameral compromise and we urge Congress to utilize this consensus approach by directing funding to the program soon.

Several of my fellow electric cooperatives are at various stages of their own due diligence processes in Mississippi and across the country. There is no one size fits all approach to deploying rural broadband. Some of us will be providing these services ourselves. Others will be forming partnerships with other entities. But we all have the same common mission – to save our customers money, to improve their quality of life and to offer them the tools to be as productive as possible. Flexibility, continued engagement with electric cooperative stakeholders, and strong technical assistance within USDA programs is critical to enabling us to best serve our consumer-members and continuing to make progress on closing the digital divide.

While we don't think of ourselves as a silver bullet, we are invested in our communities and want to see them succeed. Whether for electric cooperatives' own business "smart grid" operations or for residential and economically necessary connectivity, communications infrastructure will be critical to that success.

Rural Development

The health of our whole country is dependent on a healthy rural America. Rural America grows most of the food, generates much of the power, and manufactures many of the goods that this country consumes. The Farm Bill authorizes many different USDA programs that provide fundamental assistance to those rural communities.

Rural Economic Development Loan and Grant (REDLG) Program – Under the REDLG program, proceeds to the federal government from Rural Utilities Service (RUS) loans are used to finance economic development projects in rural communities. In the last two decades, electric cooperatives around the country have partnered with community stakeholders on hundreds of these projects to construct

essential infrastructure, renovate hospitals, build libraries, and expand businesses, among other things. Importantly, no REDLG loan has ever suffered a default. We are grateful that the 2018 Farm Bill reauthorizes REDLG and gives it a dedicated funding stream to secure the program for the foreseeable future.

Since 2009, Mississippi co-ops have conducted around $25 million in REDLG projects. Included among those projects are the construction of a hospital and a new workforce education building to support local industry. We believe the REDLG program is a valuable tool in offsetting population flight and job losses in rural Mississippi and around the country. We urge the Congress to work with us to ensure ample funding for REDLG throughout the next Farm Bill and beyond.

Innovation and Energy Efficiency – Because we do not have a profit motive, part of the cooperative advantage is having a unique opportunity to help our consumers use less energy and save money. For years, electric co-ops across the country have provided information and advice to consumers to help them use electricity more efficiently and cost-effectively. The Rural Energy for America Program (REAP) and the Rural Energy Savings Program (RESP) are among the USDA programs that cooperatives use to finance investments in energy efficiency, construct new renewable energy generation sources, and deploy other innovative technologies that modernize the grid and save our members money. We thank the Committee for reauthorizing these programs which ensure that electric co-ops are poised to meet the evolving demands of our member-owners.

85/15 Income Rule to Maintain Federal Tax-Exempt Status

Though not the main topic of this hearing, please allow me to mention a subject which has a potential impact on the way electric cooperatives utilize the programs we've been discussing. As community-focused, member organizations, electric cooperatives must comply with the 85-15 income test. That means no more than 15% of gross income may come from non-member sources to remain tax-exempt under federal law. Due to an unintended consequence of the Internal Revenue Code in the 2017 Tax Cuts and Jobs Act, electric co-ops across the country could lose our federal tax-exempt status. The 2017 law contains a provision that counts federal, state and local grants to co-ops as non-member income. Before the law change, grants were defined as a contribution to capital and did not count toward 85-15 calculations.

Historically, electric cooperatives have received grants from a variety of federal, state and local governments to assist in providing services to their members for purposes such as storm restoration (FEMA), renewable energy development, energy efficiency and conservation, economic development, or rural broadband initiatives. Now that grants are counted as income, co-ops could face difficulty in maintaining their tax-exempt status if they take government grants to restore power after a natural disaster, bring broadband service to rural residents, boost economic development in local communities or create energy efficiency programs.

Fortunately, a bipartisan legislative solution to this issue has been introduced in the House and Senate. The Revitalizing Underdeveloped Rural Areas and Lands (RURAL) Act (S. 1032/H.R. 2147) was introduced by Senators Rob Portman and Tina Smith and Representatives Terry Sewell and Adrian Smith in April. The legislation will allow co-ops to accept grants without jeopardizing their tax status, but the bill has not yet been scheduled for a vote in the House or Senate. The entire rural electric cooperative family urges Congress to pass this legislation.

Conclusion

We are a healthy nation because we have vibrant, bustling urban cities AND because we have verdant, productive rural areas. Unfortunately, whether it's infrastructure or jobs or access to health care, it seems that too often rural America gets the short end of the stick. The Farm Bill is important legislation that helps to address some of those disparities.

Electric Cooperatives enjoy a productive partnership with the federal government and with the communities we serve to promote the health of rural America. We look forward to continuing to work with you toward that important goal. I'm happy to answer any of your questions.

Written Testimony of Bryan Sievers
Sievers Family Farms
AgriReNew JV
United States Senate
Committee on Agriculture, Nutrition and Forestry
"Implementation of the 2018 Farm Bill: Rural Development and Energy Programs."
November 7, 2019

Introduction

Chairman Roberts, Ranking Member Stabenow and Members of the Committee, thank you for asking me to testify at today's hearing focusing on the Implementation of the Energy Title of the 2018 Farm Bill.

My wife Lisa and I own and operate Sievers Family Farms near Stockton, Iowa. We are fifth generation Iowa farmers that run a 2,400 head beef cattle feedlot, produce corn, soybeans, and hay on approximately 2,200 acres. Our farm operates two complete-mix anaerobic digesters where we produce biogas that is used to generate renewable electricity, which is sold to Alliant Energy, and reclaimed heat, which is used to heat our digesters and other buildings on our farm. We focus on stewardship and conservation of our natural resources in our operations and have implemented numerous water quality and soil health practices over the years, including grassed waterways, field borders, buffer strips, terraces, contour-farming, no-till and strip-till, grid soil sampling, and cover crops.

As a result of my experience in agriculture and anaerobic digestion, I also serve on the Board of Directors of the American Biogas Council (ABC) which is the only national trade association representing the entire biogas industry in the U.S. We represent over 200 companies in all parts of the biogas supply chain who are dedicated to maximizing the production and use of biogas from organic waste. The mission of the ABC is to grow biogas business in the United States which creates jobs, protects our air, water and soil and catalyzes energy independence and new investments.

The ABC is in turn a member of the AgEnergy Coalition, a group of organizations committed to a strong, bi-partisan energy title. The ABC and the AgEnergy Coalition believe that strengthening rural America and on-farm economies are two key ways to advance the deployment of renewable energy, and the production of biofuels and renewable chemicals.

Over the past few years, I have become very involved in federal policy affecting the digester industry. I have also been and remain involved in advocating for state polices that affect the agricultural and rural economy. The experiences I have gained while serving in the Iowa House of Representatives (2001-2002) and the Iowa Senate (2003-2004) helped me draft legislation in 2011 which expanded Iowa's renewable energy tax credit program for anaerobic digesters and biogas producers that generated electricity for re-sale to the electric utilities. This bill passed the Legislature and was signed into law by Governor Branstad in 2011.

I also served as Chair of the Biomass Conversion Committee. This committee was created by the Iowa Economic Development Authority as a result of the 2016 Iowa Energy Plan which was developed under the authority of then Lieutenant Governor Kim Reynolds. Our Biomass Conversion Committee prepared a Biomass Action Plan in the spring of 2018, now included in Iowa's comprehensive renewable energy policy. The Biomass Action Plan focuses on ways to enhance water quality, air quality, and soil health. Producing renewable electricity and renewable natural gas from the biogas produced through the anaerobic digestion of organic waste streams and manure is a key part of the Plan to reach those goals.

Supporting the BioEconomy

I come before you today to urge the Committee to closely oversee the implementation of the 2018 farm bill. This important piece of legislation contains many programs intended to help farmers diversify their income streams. In the midst of trade wars, horrible weather and the Administration's actions to undermine the Renewable Fuel Standard (RFS), the farm bill energy title programs continue to provide value to farmers, agricultural producers and small rural businesses. American farmers and rural communities are hurting. While U.S farms' net income is forecasted to rise in 2019[i], these challenges are squeezing farmers between decreasing commodity prices caused by an escalating trade war with China and the gutting of the RFS caused by issuing more Small Refinery Exemptions for the RFS than ever before. In both cases, the Trump Administration's actions have dramatically decreased the value of several of the products we and our fellow farmers produce and that dramatically reduces the revenue we need to keep our farm operating.

Members of Congress have labored over numerous farm bills to craft policies that minimize fluctuations caused by commodity price volatility. As members of this Committee continue to implement the 2018 farm bill, we ask members to keep in mind the value of our 21st century biobased economy which can help offset some of the earlier discussed headwinds which are affecting our farms, families and the agriculture economy. Chief among these policies is the farm bill Energy Title, Title IX, which creates high-value jobs and new income streams for American farmers, accelerates the commercialization of new technologies and products derived from agriculture, and supports construction of biogas systems and biorefinery manufacturing facilities in rural communities. Conventional and advanced biofuels (including renewable natural gas derived from biogas), chemicals, and biobased products made with biotechnology can drive the demand for crops (including cover crops) and crop residuals. This can boost on-farm revenue.

The 2018 farm bill (Agriculture Improvement Act of 2018; P.L. 115-334) extends most of the 2014 farm bill energy title programs through FY2023 and provides new mandatory funding. It establishes one new program of great interest to the American Biogas Council—the Carbon Utilization and Biogas Education Program. Unfortunately, however, the 2018 farm bill provides less mandatory funding than previous farm bills for energy title programs. For instance, the 2018 farm bill energy title programs mandatory funding level ($375 million) is approximately 46% less than the mandatory funding provided in the 2014 farm bill ($694 million). Alternatively, the total discretionary authorization provided by the 2018 farm bill ($1.7 billion) is approximately 13% more than what was authorized in the 2014 farm bill ($1.5 billion) for the energy programs. While the latter increase sounds positive, most energy title programs did not receive discretionary appropriations under previous appropriation bills, something that should change.

To ensure the American bioeconomy continues to expand, Congress must continue to oversee the implementation of the 2018 farm bill. Given the discrepancy in mandatory energy title funding between the 2014 and 2018 farm bill, we urge Congress to increase annual discretionary funding to ensure the success of these programs. We ask that this Committee continue to express its support to the Appropriators and urge them to fully fund the discretionary amounts for energy title

programs. Robust discretionary funding will support additional deployment of on-farm renewable energy and catalyze the development of American biotechnologies that convert domestic crops and agricultural residues to energy and value-added products, while also creating high paying rural jobs, encouraging economic growth, and improving the health of our environment.

The following are the programs contained within Title IX of the 2018 Farm Bill which support our industry and for each one:

- a description of how the programs work;
- products these programs have helped develop; and
- how the ABC believes these programs can be improved in their implementation.

Farm Bill Energy Title Programs

- Section 9002 Biobased Markets Program, known as the BioPreferred® Program
- Section 9003 Biorefinery, Renewable Chemical, and Biobased Product Assistance Program (BAP)
- Section 9005 Bioenergy Program for Advanced Biofuels
- Section 9007 Rural Energy for America Program (REAP)
- Section 9008 Biomass Research and Development (BRDI)
- Section 9010 Biomass Crop Assistance Program (BCAP)
- Section 9011 Carbon Utilization and Biogas Education Program

Section 9002, the Biobased Market Program, or the BioPreferred® Program

The goal of the BioPreferred® Program is to increase the purchase and use of biobased products from agricultural feedstocks. The program's purpose is to spur economic development, create new jobs and provide new markets for farm commodities. The increased development, purchase, and use of biobased products reduces our nation's reliance on petroleum, increases the use of renewable agricultural resources, and mitigates adverse environmental and health impacts[ii]

BioPreferred® achieves these goals through two initiatives: (1) a mandatory purchasing requirement for federal agencies and their contractors and (2) a voluntary labeling initiative for biobased products. Products that meet the minimum biobased content criteria may display the USDA Certified Biobased Product label. [iii]

Under the Biobased Markets Program, federal agencies and their contractors are generally required to purchase biobased products from 109 categories of goods—among which are cleaners, carpets, lubricants, office supplies, and paints—when an agency procures $10,000 or more worth of an item within these categories during the course of a fiscal year, or where the quantity of such items or of functionally equivalent items purchased during the preceding fiscal year was $10,000 or more.[iv]

The 2018 farm bill extended the Biobased Markets Program through FY2023, while adding some new implementation requirements. It requires the Secretary to update the eligibility criteria for determining which renewable chemicals will qualify for a "USDA Certified Biobased Product" label. It also requires the Secretary and the Secretary of Commerce to develop new North American Industry Classification System (NAICS) codes for both renewable chemical manufacturers and biobased product manufacturers, and for the Secretary to establish a national registry of testing centers for biobased products. Additionally, it requires USDA to establish an expedited approval process for products to be determined eligible for the

procurement program and to receive a biobased product label. Finally, the 2018 farm bill prohibits a procuring agency from establishing procurement guidelines for biobased products that are more restrictive than what the Secretary has established. The 2018 farm bill authorized mandatory funding of $3 million for each of FY2019-FY2023 for biobased products testing and labeling. Discretionary funding of $3 million was authorized to be appropriated for each of FY2019-FY2023. However, through FY2019 no discretionary funding has been appropriated for the Biobased Markets Program.

Recommendations

The BioPreferred® Program could be better utilized to create an initial market for the full range of products from a biogas system including fiber, nutrient products, digestate. The promotion of nutrient recycling is especially important in watersheds designated as distressed. The U.S. is witnessing significant water quality issues which could be addressed by processing manures and extracting the nutrients. These nutrients can then be further processed, taken out of the water shed, and be sold as sustainable fertilizer. The ABC encourages the BioPreferred® Program to be more inclusive of biogas system products, especially those generated from digestate, the digested organic material from an anaerobic digester.

Furthermore, we encourage USDA to increase outreach and education to augment public awareness and acceptance of renewable chemicals and biobased products through BioPreferred® program's voluntary labeling and procurement system. Finally, we ask that the Committee support the full annual appropriation of $3 million in discretionary funding for FY2020-2023.

Section 9003 Biorefinery, Renewable Chemical, and Biobased Product Assistance Program

This program assists in the development of new and emerging technologies for advanced biofuels, renewable chemicals, and biobased products. Competitive grants and loan guarantees are available for construction and/or retrofitting of demonstration-scale biorefineries to demonstrate the commercial viability of one or more processes for converting renewable biomass to advanced biofuels.[v]

This loan guarantee program enables producers to access capital for large-scale projects in rural communities. Without the loan guarantee program, new technologies might never be able to pool sufficient capital to commence development of a project in a rural community with a small population.

The 2018 farm bill extended the program through FY2023. It expanded the definition of eligible technology to include technologies that produce one or more of the following, or a combination thereof: an advanced biofuel, a renewable chemical, or a biobased product. The 2018 farm bill authorized mandatory funding of $50 million for FY2019 and $25 million for FY2020 for the cost of loan guarantees. Discretionary funding of $75 million was authorized to be appropriated for each of FY2019-FY2023. No discretionary funds have been appropriated through FY2019.

Recommendations

This incredibly impactful program has allowed companies to put steel in the ground for first-of-their-kind biorefineries. These biorefineries are proven job and economic growth drivers for rural communities. We urge the Committee to support appropriating the maximum funding authorized - $75 million annually – through 2023.

Section 9005 Bioenergy Program for Advanced Biofuels

This program encourages production of advanced biofuels, other than corn starch ethanol. The policy goal is to create long-term, sustained increases in advanced biofuels production. Awards are made through Rural Development to biofuels producers, based on the amount of advanced biofuels produced from renewable biomass. Feedstocks incentivized by this program include crop residue, food and yard waste, vegetable oil and animal fat. The program has promoted the development of biogas, wood pellets, biodiesel, and advanced and cellulosic ethanol.[vi]

Section 9005 funding helps stakeholders increase their return on investment, which is needed to proceed with constructing a new plant or expanding capacity at an existing facility. Without Section 9005 mandatory funding, companies working on advanced biofuel technologies have one less tool to support innovation and commercialization of the cleanest fuels in the world. Current USDA funding programs help advanced biofuels succeed; the industry cannot afford to be without one of these programs.

The 2018 farm bill authorized mandatory funding of $7 million for each of FY2019-FY2023. Discretionary funding of $20 million was authorized to be appropriated for each of FY2019-FY2023. We ask the Committee to continue to support the appropriation of full discretionary funding for the Bioenergy Program for Advanced Biofuels through FY2023.

Section 9007 Rural Energy for America (REAP)

This outstandingly popular, successful, and constructive program supports every state and region and renewable energy and energy efficiency technology. REAP provides benefits to the full agricultural value chain, from producers and co-ops, to biotechnology and clean energy companies operating across rural America.[vii] Over 13,000 projects across all 50 states have received awards since its inception in the 2008 Farm Bill, leveraging more than $3 billion in private investment. REAP is one of the rural economy's best methods to drive growth in America's energy infrastructure and resiliency.

The program has been instrumental in helping deploy biogas systems throughout the rural economy allowing agricultural producers, through the use of digesters, to make products from waste streams – manure and crop residues – that would otherwise be viewed as an environmental challenge. Farmers can now take these wastes streams and make on-farm renewable energy, nutrient-rich soil amendments, fertilizers, renewable natural gas, and even feedstocks for renewable chemicals and bioplastics. The sale of all these products helps protect the agricultural producer from swings in commodity prices.

The 2018 farm bill extends the program through FY2023. It also retains mandatory funding of $50 million for FY2014 and each fiscal year thereafter (thus, unlike other farm bill renewable energy programs, REAP's mandatory funding authority does not expire with the 2018 farm bill). Mandatory funds are to remain available until expended. Discretionary funding is authorized to be appropriated at $20 million annually for each of FY2019-FY2023. Discretionary funding of $335,000 was appropriated for FY2019.

Recommendations

This widely popular program has been oversubscribed year after year. We urge the Committee to support appropriating the maximum funding authorized - $20 million annually – through 2023.

Historically, digesters and other underserved technologies such as small-scale wind have disproportionately been unsuccessful in securing REAP funding. The ABC and the AgEnergy Coalition encourage the establishment of a reserve fund that would better support these "underserved technologies," by setting aside no more than 10% of the funding for these underserved technologies and returning any unused funds back into the applicant pool. We understand that this concept is something the Committee recognizes, and that USDA has used similar structures in the past.

We are hopeful that including a REAP reserve fund for underserved technologies such as biogas will improve access and that farmers, ranchers and small rural businesses can further deploy this exceptionally valuable technology. USDA should be in the business of promoting development of less market mature but proven technologies like biogas and small-scale wind in REAP, as it does in other programs.

Section 9008 Biomass Research and Development Initiative (BRDI)

The Biomass Research and Development Initiative (BRDI) seeks to foster significant commercial production of biofuels, biobased energy innovations, development of biobased feedstocks, and biobased products and processes, including cost-competitive cellulosic ethanol. The program provides competitive funding in the form of grants, contracts, and financial assistance for research, development, and demonstration of technologies and processes. Eligibility is limited to institutions of higher learning, national laboratories, federal or state research agencies, private sector entities, and nonprofit organizations.[viii]

BRDI provides coordination of biomass research and development, including life-cycle analysis of biofuels, between USDA and DOE by creating the Biomass Research and Development Board to coordinate government activities in biomass research, and the Biomass Research and Development Technical Advisory Committee to advise on proposal direction and evaluation.[ix]

Applicants seeking BRDI funding must propose projects that integrate science and engineering research in the following three technical areas that are critical to the broader success of alternative biofuels production: feedstock development, biofuels and biobased products development, and biofuels development analysis.

The 2018 farm bill extended the program through FY2023. It amends the definition of biobased product to include carbon dioxide, and it requires the Initiative's technical advisory committee to include an individual with expertise in carbon capture, utilization, and storage. Furthermore, it expands the objectives of the Initiative to include the development of high-value biobased products that permanently sequester or utilize carbon dioxide. The 2018 farm bill provided no mandatory funding for the program. Discretionary funding of $20 million is authorized to be appropriated annual for FY2019-FY2023. However, no discretionary funding has been appropriated for BRDI through FY2019.

Recommendations

Further research into feed stock development and technology optimization will help encourage far greater deployment of bio technologies including anaerobic digesters throughout the U.S. We urge the committee to support full annual discretionary funding of BRDI at $20 million for FY2020-2023. Appropriations cuts in past years have led to smaller grants, limiting the diversity of projects.

Section 9010 Biomass Crop Assistance Program (BCAP)

The Biomass Crop Assistance Program (BCAP) provides financial assistance to owners and operators of agricultural and non-industrial private forest land who wish to establish, produce, and deliver biomass feedstocks. [x] BCAP provides assistance by either 1) establishment of annual payments or 2) matching payments.

Establishment and annual payments are available to certain producers who enter into contracts with USDA to produce eligible biomass crops on contract acres within designated BCAP project areas. [xi] Eligible land for BCAP project area contracts includes agricultural land and nonindustrial private forestland, but does not include federal or state-owned land, or land that is native sod. Lands enrolled in existing land retirement programs for conservation purposes—the Conservation Reserve Program (CRP) or the Agricultural Conservation Easement Program (ACEP)—also become eligible during the fiscal year that their land retirement contract expires. Generally, crops that receive payments under Title I, the commodity title, of the farm bill (e.g., corn, wheat, rice, and soybeans), plus noxious weeds and invasive species are not eligible for annual payments.

Matching payments are available to eligible material owners who deliver that material to qualified biomass conversion facilities. Eligible material must be harvested directly from the land and separated from a higher-value product (e.g., Title I crops). Invasive and noxious species are considered eligible material, and land ownership (private, state, federal, etc.) is not a limiting factor to receive matching payments.

Despite initial challenges, this program remains crucial to developing the feedstocks necessary for the biobased economy. The program's regionally appropriate biomass feedstocks are key to the development of sustainable systems for biofuels, renewable chemicals, and biobased products.

BCAP has incentivized nearly 1,000 growers and landowners farming nearly 49,000 acres to establish and produce dedicated, non-food energy crops for delivery to energy conversion facilities.[xii] In 2014 and 2015, USDA approved 209 contracts for matching payments of $15.8 million toward the collection or harvest of approximately 300,000 dry tons of forest residues from National Forest Service and Bureau of Land Management public lands. Forest residues are removed for the reduction or containment of disease or insect infestation and reduction of wildfire threat, the last of which is a significant threat to the Western U.S.[xiii]

The 2018 farm bill extended BCAP through FY2023 and expanded the definition for eligible material to include algae. Unfortunately, the 2018 farm bill provided no mandatory funding for the program. Discretionary funding of $25 million was authorized to be appropriated for each of FY2019-FY2023. No discretionary funding was provided for FY2019.

Recommendations

When well-funded, BCAP has the potential to be a huge benefit to the development of the biobased economy and to farmers and agricultural producers looking to diversify their income streams. We urge the committee to support full annual discretionary funding of BCAP at $25 million for FY2020-2023. The greatest impediment to BCAP's success has been the elimination of mandatory funds in the recent farm bill and by appropriators "CHIMPS" as well as delays by USDA in implementing the program.

Section 9011 Carbon Utilization and Biogas Education Program

This new program was established in the 2018 farm bill and requires the Secretary to award competitive grants to eligible entities for two purposes:

1. education to the public and biogas producers about the benefits of carbon utilization and sequestration; and
2. education about the opportunities to aggregate multiple sources of organic waste into a single biogas system.

The 2018 farm bill provided no mandatory funding for the program but authorized discretionary funding of $2 million annual for each of FY2019-FY2023. No funds have been appropriated through FY2019.

Recommendations

While anaerobic digestion technology is mature, greater deployment throughout the rural economy has been slowed due to a lack of awareness and farmer education about how they work and their benefits. Digesters are one of the greatest methods available to trap methane emitting waste products such as manure and crop residues and convert it to renewable energy, nutrient-rich soil amendments, fertilizers, renewable natural gas, and feedstocks for renewable chemicals and bioplastics. Providing greater education and outreach to farmers and agricultural producers could greatly increase the deployment of digesters as well as the utilization of farm bill energy title programs that support digesters. We urge the Committee to support fully funding the $2 million authorized annually for this program.

Biogas Opportunities Task Force

Language directing USDA, EPA and DOE to establish an Interagency Biogas Opportunities Task Force (building upon the existing Biogas Opportunities Working Group) was contained in the Conference Report accompanying the 2018 farm bill.

This provision states that no later than 180 days after the date of enactment of the Agriculture Improvement Act of 2018, the USDA Secretary in coordination with the Secretary of Energy and the EPA Administrator will establish an Interagency Biogas Opportunities Task Force to coordinate policies, programs, and research to accelerate biogas research and investment in cost-effective biogas systems.

The Task Force is composed of the head of each Federal office responsible for biogas research or biogas system financing, including a representative from the Department of Agriculture, the Department of Energy, the Environmental Protection Agency (EPA), and National Renewable Energy Laboratory. The Task Force will also have 1 or more representatives of State or local governments, 1 or more nongovernmental or industry stakeholders, and a community stakeholder.

The Task Force will evaluate and improve the coordination of loan and grant programs of the Federal agencies represented on the Task Force to broaden the financing options available for biogas systems. It will also explore how to enhance opportunities for private financing of biogas systems; review Federal procurement guidelines to ensure that products of biogas systems are eligible for and promoted by applicable procurement programs of the Federal Government; evaluate the development of North American Industry Classification System and North American Product Classification System codes for biogas and biogas system products; review opportunities and develop strategies to overcome barriers to integrating biogas into electricity and renewable natural gas markets; develop tools to broaden the market for non-energy biogas system products; provide information on the ability of biogas system products to participate in markets that provide environmental benefits; identify and investigate research gaps in biogas and anaerobic digestion technology; including research gaps in environmental benefits, market assessment; and performance standards; assess the most cost-effective voluntary

investments in biogas to reduce waste and methane emissions; and identify and advance additional priorities, as determined by the Task Force.

Not later than 18 months after the date of the establishment of the Task Force, the Task Force will submit to Congress a report that identifies whether it was able to carry out the duties outlined above and include recommendations on how Congress should prioritize policies and technological opportunities, aimed at expanding the biogas industry. The report will also consider recommendations on how to eliminate barriers to investment in biogas systems in the landfill, livestock, wastewater, and other relevant sectors; and to enhance opportunities for private and public sector partnerships to finance biogas systems. Two years after the establishment of the Task Force it will identify, collect, and analyze environmental, technical, and economic performance data relating to biogas systems, including the production of energy from biogas systems, co-products, greenhouse gas and other emissions, water quality benefits, and other data necessary to develop markets for biogas and biogas system co-products. The data will be made public.

To date, this language has not been acted upon. We have been told by USDA Administration that unless the language is statutory or unless Congress provides additional funding to implement this provision that it will continue to be ignored.

Recommendations

Implementation of the Biogas Opportunities Task Force will help drive research, collaboration, innovation, education, outreach and deployment of anaerobic digestion technologies. As the Biogas Opportunities Working Group recognized, these technologies help turn agricultural challenges into opportunities by converting manure and other agricultural wastes into renewable energy, nutrient-rich soil amendments, fertilizers, a renewable natural gas, and even feedstocks for renewable chemicals and bioplastics.[xiv] We urge the Committee to support this language and work with the Agency to oversee its implementation.

Non-USDA/Non-Farm Bill Programs

Renewable energy production plays a key role not just in agricultural policy, but also in energy, tax, and environmental policy. As a result, many of the federal programs that support renewable energy production in general, and agriculture-based energy production in particular, are outside the purview of USDA and have origins outside of omnibus farm bill legislation. The Renewable Fuel Standard, for example, was established outside of farm bill legislation.

The Renewable Fuel Standard

The RFS mandates an increasing volume of biofuels use and has its origins in the Energy Policy Act of 2005 (P.L. 109-58). The RFS was expanded in the Energy Independence and Security Act of 2007 (EISA; P.L. 110-140) and divided into four distinct, but nested, biofuel categories—total, advanced, cellulosic, and biodiesel—each with its own mandated volume. Biogas qualifies as both a cellulosic and advanced biofuel, depending on the feedstock. In fact, biogas makes up well over 90% of the annual cellulosic volumes. Additionally, biogas from non-cellulosic feedstocks such as food waste is a growing category. While not a USDA administered program, the RFS significantly impacts the on-farm and rural economy because it can be a significant source of revenue to farms when administered properly by EPA. Additionally, USDA recommendations assist in the calculations of annual renewable fuel volume targets. When the RFS is being administrated well and running smoothly, it provides an additional stream of income that can help buffer the effects of on-going trade disputes or the impacts of bad weather. When the RFS is being administered poorly, it can add to the farmers and agricultural producers' woes.

Waivers

We strongly argue that the continued abuse of the small refinery exemptions undermines the integrity of the RFS and is in direct contravention of the statute passed by Congress in 2007. We urge the EPA to limit the use of these waivers to only their intended purpose.

Biomass Derived Renewable Electricity

When reauthorized and expanded through the Energy Independence and Security Act of 2007 (EISA; P.L. 110-140), Congress included electricity made from renewable biomass as part of the fuel mix in the RFS. One of the main goals of the RFS is to incentivize the development and deployment of new American produced biofuels, which will create energy independence and new markets for producers including the electricity produced from biomass.

Furthermore, EPA included electricity derived from biogas in the Renewable Fuel Standard Program.[xv] Yet, while numerous applications to generate biogas derived electricity have been submitted, none have been approved. The EPA has yet to set up the processes necessary for producers to generate Renewable Identification Numbers (RINs). As shrinking markets and trade wars increasingly strap small farmers, the revenue that they should generate from the sale of these eRINs may be the difference between shutting down and staying open.

Building electricity into the RFS is not a way to incentivize electric vehicles. One may only look to how the ethanol market works to understand. The producer of ethanol receives the RIN credit for fuel blended into the larger gasoline supply. This in no way encourages or discourages the use of traditional vehicles; it simply ensures the producer of biofuels gets the credit to which they are entitled under the RFS. The same applies to renewable electricity powering electric vehicles. Biofuels, such as the biogas produced from anaerobic digesters, are already being "blended" into the electricity supply but the producers of these biofuels are not able to receive the RINs credit. The use of the biogas, which consists of methane and carbon dioxide, as a fuel to generate renewable electricity helps improve our air quality, water quality, soil health, and the environment while mitigating the effects agricultural production has on our climate.

Incorporating electricity into the RFS is also not a threat to ethanol producers. The majority of the fuel would be added to the cellulosic biofuel category (D3 RIN), which is separate from the ethanol market's D6 RIN.

Recommendations

If Congress is looking for a way to help farmers during the difficult trade talks and the competing interests of the oil industry, supporting the RFS would be an ideal way of doing so. Ensure the integrity of the RFS by only granting waivers to those small refiners who truly qualify. We also ask Congress to uphold the letter and intent of the RFS by directing EPA to include renewable biomass derived electricity to the annual blending requirements. Agricultural producers should be allowed to participate in the RFS as Congress originally intended, and it would help producers stay afloat even with other uncertainties.

Conclusion

Farm Bill energy title programs have been incredibly successful in growing the on-farm and rural economy. Because of the research, loans, and grants provided by these programs, biogas and biotechnology companies are developing new

technologies and feedstocks for the conversion of biomass for the production of renewable energy, advanced biofuels, renewable chemicals, renewable fertilizers and biobased products.

The biogas industry is on the cusp of creating a robust biobased economy through U.S. biobased production, which strengthens rural and on-farm economies. Biogas systems encompass a value chain from agriculture through the manufacture of consumer goods that provides a cost-competitive alternative to petroleum's value chain and brings environmental, economic and other benefits.

Encouraging growth of our industry provides new markets for farmers and agricultural producers, promotes innovation in domestic manufacturing and exports, and stimulates sustainable economic growth. In turn, because the inputs and technologies are domestically developed, this sector will boost the incomes of America's farmers, revitalize rural communities, create high-skilled jobs in the manufacturing sector, and provide sustainable employment.

The ABC and the Ag Energy Coalition are ready to serve as a resource to the Committee in implementing the farm bill's energy title programs and look forward to working with you as you do so.

[i] United States Department of Agriculture Economic Research Service, 2019 Farm Sector Income Forecast https://www.ers.usda.gov/topics/farm-economy/farm-sector-income-finances/farm-sector-income-forecast

[ii] USDA BioPreferred https://www.biopreferred.gov/BioPreferred/faces/Welcome.xhtml

[iii] Ibid

[iv] Ibid, Product Categories

[v] USDA Biorefinery Renewable Chemical and Biobased Product Manufacturing Assistance Program https://www.rd.usda.gov/programs-services/biorefinery-renewable-chemical-and-biobased-product-manufacturing-assistance

[vi] USDA Advanced Biofuel Payment Program https://www.rd.usda.gov/programs-services/advanced-biofuel-payment-program

[vii] USDA Rural Energy for America Program https://www.rd.usda.gov/programs-services/rural-energy-america-program-renewable-energy-systems-energy-efficiency

[viii] USDA National Institute of Food and Agriculture BRDI https://nifa.usda.gov/funding-opportunity/biomass-research-and-development-initiative-brdi

[ix] ibid

[x] USDA BCAP https://www.fsa.usda.gov/programs-and-services/energy-programs/BCAP/

[xi] See FSA, USDA, "BCAP Project Area Information," at https://www.fsa.usda.gov/programs-and-services/energyprograms/BCAP/bcap-project-area/index.

[xii] Biomass Crop Assistance Program (BCAP) Qualified Biomass Conversion Facilities (BCF's) FY 2017 https://www.fsa.usda.gov/Assets/USDA-FSA Public/usdafiles/Energy/BCAP%20Facility%20Listing%20FY2017.pdf

[xiii] USDA Resumes Incentives to Grow the Bioeconomy and Improve Forest Health. https://www.fsa.usda.gov/news-room/news-releases/2016/nr_20161110_rel_185

[xiv] Biogas Opportunities Roadmap, *Voluntary Actions to Reduce Methane Emissions and Increase Energy Independence,* August 2014. https://www.energy.gov/sites/prod/files/2014/08/f18/Biogas%20Opportunities%20Roadmap%208-1-14_0.pdf

[xv] Approved Pathways for Renewable Fuel https://www.epa.gov/renewable-fuel-standard-program/approved-pathways-renewable-fuel

Michael Stanley's Testimony
(approximately 4-5 minutes)

As CEO of Grace Health, I want to share my appreciation for the USDA Distance Learning and Telemedicine (DLT) grant awards in 2011, 2016, and most recently the 2018 Telehealth Equipment Funding for $650,000 that includes $154,000 in matching funds for an additional 9 School Based Health Sites, 7 Clinics Sites, and 6 Nursing Home Sites.

Grace Community Health Center d/b/a Grace Health is a Federally Qualified Health Center with primary care clinics serving Southeastern Appalachian Kentucky. Grace Health's priority is to serve the most vulnerable populations including children, older adults, pregnant women, and people with low-incomes. We accept Medicaid, Medicare, and private insurance but also provide services on a sliding fee scale to those who are uninsured or under insured.

For Grace Health's USDA DLT project, the service area is located in southeastern Kentucky, near Virginia to the east and bordering Tennessee in the south and includes Bell, Clay, Knox, Leslie, Owsley and Whitley Counties. All of our service area counties have been designated as part of the federally designated eastern Kentucky Promise Zone designed to encourage economic and educational development in one of the nation's most impoverished areas. The counties are also designated as USDA StrikeForce Zone. The service area is located in the Eastern Coal Field region of the state and is comprised of rugged terrain composed of soaring mountains and verdant valleys.

Grace Health sees telemedicine as an opportunity to improve the work environment for health care providers and thus assist in provider retention. Innovative strategies such as telemedicine provide access to resources and support for both the patient and the provider giving the provider a more realistic chance of "making a difference" that isn't always possible when these resources are not accessible.

Grace Health has identified four primary needs to be addressed through telemedicine:

1) Access to Health Care Providers and Services
2) Transportation
3) Behavioral Health Treatment (Mental Health and Substance Abuse Treatment)
4) Patient Engagement.

To meet these needs, Grace Health has expanded telemedicine to 36 sites including six primary care clinics, one women's health clinic, nineteen school-based health centers, seven nursing homes, and one hospital. Services include primary care, consultations, behavioral health, and patient engagement. With telemedicine, rather than traveling to different clinics for different

services, patients are able to access most of the services they require at a clinic in their own community.

Using telemedicine, Grace Health's mental health providers have increased the number of patients served. Through telemedicine, our behavioral health providers have access to all of our primary care clinics as well as all of our school-based health centers. This increases the efficiency of our providers and greatly enhance services.

Grace Health has improved patient engagement by increasing access to care, providing supportive services and providing warm-handoffs through telemedicine. Access is the most basic form of patient engagement. Telemedicine helps us to increase our access points for services. When it is easier to access care, patients are more likely to receive the services they need to manage their health.

As of July 1, 2019, Kentucky's new telehealth rules for Medicaid and Commercial Health Plans help sustain telehealth programs through reimbursement of telehealth services. Kentucky is now a telehealth parity state. If a clinical encounter is reimbursable when conducted in a traditional in-person visit, that same encounter will be reimbursable when conducted via telehealth technology. This includes all services, providers and locations and the value of a telehealth encounter is equivalent to a traditional in-person encounter unless the payer and provider have negotiated a reduced payment rate.

In my personal opinion, telehealth is part of the answer to our primary care physician shortage in the rural underdeveloped areas of our country. I'm grateful for the opportunity to partner with the USDA DLT program. And, I'm committed to the success of this program that will improve the health care outcomes of your constituents that are our patients.

USDA Distance Learning and Telemedicine (DLT) Award Projects Summary
Grace Community Health Center, Inc. d/b/a
Grace Health

Residents of eastern Kentucky struggle with complex health and mental health /substance use issues that are compounded by the high rates of diabetes, hypertension, heart disease and COPD. Economic factors, low literacy rates, transportation barriers and the shortage of health care providers create a situation in which some of the least healthy folks have limited access to healthcare services. Grace Health implemented a telemedicine program to combat these barriers to care. Telemedicine needs are clearly evident in the needs discussed below. The plan developed by Grace Health to address this need have widespread impact for low income, medically underserved residents of southeastern Kentucky.

Grace Community Health Center d/b/a Grace Health is a Federally Qualified Health Center with primary care clinics serving Southeastern Appalachian Kentucky. Grace Health's priority is to serve the most vulnerable populations including children, older adults, pregnant women, and people with low-incomes. We accept Medicaid, Medicare, and private insurance but also provide services on a sliding fee scale to those who are uninsured.

For Grace Health's USDA DLT projects, the service area is located in southeastern Kentucky, near Virginia to the east and bordering Tennessee in the south and includes Bell, Clay, Knox, Leslie, Owsley and Whitley Counties. All of our service area counties have been designated as part of federally designated eastern Kentucky Promise Zone designed to encourage economic and educational development in one of the nation's most impoverished areas. The counties are also designated as USDA StrikeForce Zone. The service area is located in the Eastern Coal Field region of the state and is comprised of rugged terrain composed of soaring mountains and verdant valleys.

Grace Health purchased and implemented telemedicine equipment at 33 sites. The focus of our program is to utilize telemedicine equipment to provide primary care, behavioral health, and patient engagement services using telemedicine. Grace Health operates all the clinic sites and seven sites are partner sites. These seven partner sites include: Owsley County Health Care Center, Laurel Creek Health Care, Barbourville ARH Hospital, HillCrest Nursing Home, Christian Health Center, Corbin Nursing Home, and The Heritage. Across the six nursing home partners there are 614 beds. Grace Health is using telemedicine to expand services to rural communities that do not have the population and demand to support full-time health care providers. Through telemedicine one provider is able to serve multiple rural sites much more effectively without having to deal with extensive travel.

The residents of our service area have a significant unmet need for health care. Specifically, our service area has seen a large increase in opioid addiction and overdoses but has limited services available to treat substance abuse. Using telemedicine, we've expanded access to services including mental health and substance abuse treatment across all of our sites. When you consider the community context and the prevalence of poverty, unemployment and limited educational attainment within our service area, it is strikingly evident that the telemedicine services have the potential to offer resources and have an immediate impact on the lives of the rural residents we

serve. Grace Health will provide primary care, behavioral health, and patient engagement services to 950 patients in 2,700 telemedicine visits.

Service Area Need

The six county service area has a population of 132,466. The service area has a lower percentage of the population that is under the age of 18 and a higher percentage of the population that is over the age of 65 than state and national rates. One possible cause of the significantly lower rate of the population younger than the age of 18 is the out-migration that has been occurring the service area for decades. Consistent with the demographics of much of Kentucky's rural areas, the vast majority of the population is White (96.1%), only 1.9% are Black/African American, and 2.0% identify as another race.

Economic Climate

Located in the Appalachian Mountains, the service area has long-faced economic troubles. These concerns are exacerbated by the decline of the coal industry, which once dominated the local economy. The service area's per capita income is less than half the national per capita income and the **poverty rate is more than double** the national poverty rate (32.9% compared to 15.5% nationally). While much of the nation, including most parts of Kentucky, have recovered from the 2008 recession, the service area still has an incredibly high unemployment rate (7.8%) that has shown little improvement since the end of the recession.

The child poverty rate in the service area is **more than double the national child poverty rate of 21.7%**. High child poverty results in a high percentage of students in each county that qualify for the National School Lunch Program (NSLP). NSLP participations rates range from 61.35% in Corbin Independent Schools to 100% in six of the nineteen school sites served. Across the service area the average NSLP is 85.3%. The vast majority of children across the service area live in high poverty areas, and 100% of children live in high poverty areas in Clay, Knox, Leslie, and Owsley Counties. The majority of schools in these counties provide free school meals (breakfast and lunch) to all students as a result of the high poverty rates. For many children these are the only meals they eat each day and many of them take home backpacks full of food on Fridays provided by social services programs and churches to make sure these children have food over the weekend.

It is no surprise then that the economic status of residents is directly tied to whether they access health care. Inability or difficulty paying for health care is one of the most commonly reported barriers to healthcare utilization. The service area has high numbers of residents with low-incomes, unemployment, and public assistance. Those who experience economic barriers to healthcare are less likely to go to the doctor, less likely to have preventative screenings, and more likely to use emergency departments or urgent care facilities. Many must delay accessing health care due to cost, which leads to later diagnosis of serious illnesses, the development of chronic diseases, premature mortality, and medical morbidity.[I] When those with low-incomes do access health care, they are five times more likely to have high health care expenses than high-income individuals.[II] This creates a cycle of debt, delayed care, and the escalation of health problems. Grace Health provides affordable health, mental health and substance use services for low-income populations. We offer a sliding fee discount for uninsured and underinsured patients to help off-set the costs of care. The discounted fee schedule is based on the federal poverty guidelines and helps mitigate this barrier.

Education Needs

The rate of people in the service area without a high school diploma or GED is more than double the national and state rates (30.8% compared to 13.3% and 15.8% respectively). This means that people in the service area are less likely to have completed a high school education. Similarly, the rate of service area residents with a Bachelor's Degree or higher is less than half the rate of the state and nation meaning that people in the service area are less likely to have achieved higher education. Access to education affects many other areas of life. Without education, finding a high paying job is more difficult and many do not have the skills they need to thrive in the current economy. Education also affects reading levels and understanding of health care terminology and directions.

Health Needs

Nearly one third of the population has poor general health, and on average residents have 5.9 poor physical health days per month. During these days their health keeps them from performing daily tasks such as going to work. The impact of poor health can be felt on the area businesses that cannot be as productive without full workforce capacity.

The service area has high rates of behaviors that lead to poor health. Across the service area 82.3% of the population has inadequate fruit and vegetable consumption.[iii] Just over a third of the population (33.8%) has no leisure time physical activity.[iv] Kentucky has some of the highest rates of smoking in the nation, and 30.7% of the population smokes compared to 18.1% nationally.[v] The service area population has a very high rate of obesity at 38.2% compared to 32.7% in Kentucky and 27.5% across the nation. Poor health behaviors lead to poor health outcomes including high rates of chronic disease such as diabetes (13.2%[vi]), asthma (19.4%[vii]) and heart disease (12.2%[viii]).

Poor health behaviors and chronic health conditions combined with lack of access to health care lead to poor health outcomes. Mortality rates in the service area are alarmingly high compared to state and national rates. The lung disease mortality rate in the service area is more than double the national rate (91.3 per 100,000 compared to 41.7 per 100,000). The premature death rate is almost double the national rate (13,147 year lost per 100,000 compared to 6,588 years lost per 100,000).

Need for Access to Healthcare

The lack of health care providers in the service area is the largest barrier to accessing care. Rural primary care provider shortages have been widely reported. In Kentucky, while 43% of the population lives in rural areas, only 28% of physicians work in rural areas.[ix] The majority of the service area is designated as a Health Professional Shortage Area (HPSA) for primary care, mental health, and dental care.

Another barrier to accessing care is limited access of children to school nurses. The school districts in the regions we serve have had budget cuts requiring that funds be spent on teacher

salaries and other areas that are seen as higher priority. More peripheral services, such as nursing are no longer being supported. At the same time that school budgets were cut, our local health departments had their budgets cut, and they are no longer able to afford to place nurses in schools. We have now expanded to serve 39 schools that have access to a nurse and a nurse practitioner. One of the barriers we have run into is that while we want to make a nurse practitioner available at the schools, the demand for the small rural schools does not support a full-time provider and our nurse practitioner must travel between multiple schools. This limits the amount of time children have access to the nurse practitioner and does not always align with the need in the school. In addition, schools are facing an increase in behavioral health problems among children of all ages and have almost no services on-site to support these students. Grace Health has three mental health providers that serve children - it is clearly impossible for three people to travel across over 39 school sites to meet the growing demand.

Older adults who reside in nursing homes and rehabilitation facilities in the service area have unique barriers to accessing care. Grace Health seeks to improve the health of the older adult population in our service area by providing medical rounds in seven nursing homes. We have two nurse practitioners who serve the nursing homes. The nurse practitioners consult with an internist to provide the care that is needed. However, they currently can only provide care while they are on-site. Often providers cannot leave the clinic to serve the nursing home patients. Nursing home residents often need care urgently, and if a provider is not immediately on-site staff have the patient brought to the emergency room.

Need for Access to Behavioral Health

In many parts of the service area, there is extremely limited access to behavioral healthcare services, which affects the rates of diagnosis. The service area has a higher population to primary care ratio than state and national rates and every county is designated as a Mental Health Professional Shortage Area. As has been widely documented in the news recently, we are in the midst of an opioid epidemic. Kentucky has the third highest drug mortality rate in the United States.[X] A report from the Kentucky Injury Prevention Center (January 2016) found that in 2014 in the service area, 68% of all those diagnosed with drug dependence were diagnosed with opioid use disorders. More than one-third (35%) of residents in Eastern Kentucky report that they or a family member have experienced problems as a result of abusing prescription painkillers.

With the increase in opioid use, there has been an increase in drug overdose deaths. According to the Department of Health and Human Services, more people died from drug overdoses in 2014 than in any year on record, and 60% of these overdoses involved an opioid. The drug poisoning mortality rate in the service area is just over **four times higher** than the national drug poisoning mortality rate and more than two times the Kentucky drug poisoning mortality rate.

The problem extends to pregnant women. Data from our partner hospital Baptist Health Corbin (BHC) show that the number of births to mothers who tested positive for an illicit substance has increased from 6% in 2013 to 7% in 2014 and 2015. In 2016, 8.3% of all births at BHC were to mothers with a positive drug screen, and mothers had a history of drug use in 15.5% of all births. Grace Health in partnership with Baptist Health Corbin has a program out of our Women's Health clinic that provides counseling services to pregnant women who are using illicit substances. The Licensed Clinical Social Worker (LCSW) who provides these services is based at the Women's Health Clinic, but the participants are from all across our service area. The

treatment protocol includes more visits than there are prenatal visits. Whenever possible, we align scheduling for LCSW visits around prenatal care visits, but often our patients are required to make additional trips to the clinic. Using telemedicine, the patients are able to access services at the clinic that is nearest to their residence and get services when they need them, not just when they are able to travel to the clinic.

Though Kentucky has seen a **900% increase in the demand for treatment for addiction to prescription painkillers** in the last decade, there has been little increase in the availability of care. There are very few behavioral health providers who can treat substance abuse disorders and extremely few options for medication assisted treatment for opioid use. Few substance abuse treatment providers accept Medicaid and some don't accept any insurance at all. This makes treatment inaccessible for much of the population. The mental health providers who do accept Medicaid often have wait lists that are months long or require significant travel. Grace Health offers an integrated behavioral health program, but these services are not available at all of our clinics due to the cost associated with having behavioral health providers at each location. Through telemedicine, we have the capacity to provide behavioral health and substance abuse treatment at all of our clinic sites without requiring additional patient or provider travel.

Outmigration

Eastern Kentucky, like many rural areas, is experiencing dramatic outmigration. In southeastern Kentucky, the economic climate (described above), the lack of jobs, and the lack of educational opportunities contribute to outmigration. Once a busy coal mining area, Eastern Kentucky has seen a detrimental decline in the coal industry. The health care industry is also affected by out-migration. Health care organizations in the service area have difficulty recruiting and retaining health care providers, particularly primary care doctors, specialists, and mental health providers. Health care providers in small rural areas often cannot support a doctor, which means that providers often must travel between multiple sites to provide care. Frequent travel leads to dissatisfaction among providers, and these positions are often lured to more urban centers by higher salaries and less demanding work environments. Grace Health sees telemedicine as an opportunity to improve the work environment for health care providers and thus assist in provider retention. Innovative strategies such as telemedicine provide access to resources and support for both the patient and the provider giving the provider a more realistic chance of "making a difference" that isn't always possible when these resources are not accessible.

Transportation

Geographical and transportation barriers impede access to health care. According to the US Census Bureau, 12.4% of all households in the service area have no vehicles compared to 7.9% across Kentucky and 9.1% nationally. According to the area walk scores, the service area is car dependent due to the lack of sidewalks and the distance between basic goods. The area has no public transportation and those without a vehicle are reliant on others for transportation, which compromises their ability to make it to appointments. A common experience for our patients is for them to borrow a car or get a ride from a friend, family member or neighbor to travel to medical appointments. However, these modes of transportation are unreliable and often result in missed appointments.

Patient Engagement

Patient engagement in healthcare means that patients have the tools they need to understand what

makes them sick, how to stay healthy, and what to do if their conditions gets worse. Patient engagement activities are broad reaching and are focused on removing the barriers to care. Patient engagement has become more of a priority in health care as the focus in healthcare has shifted toward providing value-based care. The healthcare industry is increasingly responsible for the quality of care they provide and the improvement of clinical outcome measures. Reimbursement for services is shifting from a quantity based focused where providers are paid for the number of encounters toward one where providers are paid based on the quality of the care they provide and their impact on patient health. However, without patient engagement in care, there can be little improvement in overall health. A recent study found that patients who engage in their healthcare have much better clinical outcomes than those who are not engaged in their healthcare.[xi] Patients without the skills to manage their healthcare incur costs up to 21% higher than patients who are highly engaged in their care.[xii] Grace Health uses patient engagement strategies across project sites using telemedicine.

Grace Health has implemented strategies like open access scheduling, reduced wait times between scheduling and appointments, and appointment reminders, to reduce our no-show rate, but improvements in our no-show rate have plateaued. We see telemedicine as an important strategy in reducing our no-show rate for both primary care and behavioral health. Providers can refer a patient to a provider at another clinic and provide the services through telemedicine. This reduces the travel burden on our patients and increases the likelihood of receiving services. If a telemedicine appointment is not feasible or reasonable (for services that need in-person contact), Grace Health can use telemedicine to provide introductions that develop trust between patients and providers.

Addressing the Need and Services Offered

Grace Health has identified four primary needs to be addressed through telemedicine:

1) Access to Health Care Providers and Services
2) Transportation
3) Behavioral Health Treatment (Mental Health and Substance Abuse Treatment)
4) Patient Engagement.

To meet these needs, Grace Health has expanded telemedicine to 33 sites including six primary care clinics, one women's health clinic, nineteen school-based health centers, seven nursing homes, and one hospital. Services include primary care and consultations, behavioral health, and patient engagement. With telemedicine, rather than traveling to different clinics for different services, patients are able to access most of the services they require at a clinic in their own community.

Using telemedicine, Grace Health's mental health providers have increased the number of patients served. Currently, the mental health services are located in the Gray Clinic located in Knox County, the Manchester Clinic located in Clay County, Bishop Street Clinic located in Whitley County, Pineville Clinic in Bell County, and in the Corbin Women's Health facility. School aged children have accessible services without driving about an hour one way. Drive times from this site to other clinics require too much time to be feasible. However, through telemedicine our behavioral health providers have access to all of our primary care clinics as all of our school-based health centers. This increases the efficiency of our providers and greatly enhance services.

Grace Health has improved patient engagement by increasing access to care, providing supportive services and providing warm-handoffs through telemedicine. Access is the most basic form of patient engagement. As discussed previously, telemedicine helps us to increase our access points for services. When it is easier to access care, patients are more likely to receive the services they need to manage their health.

Patient engagement is improved by providing insurance application assistance using telemedicine and care coordination. Our Grace Health outreach workers are a valuable resource to the community and have become trusted sources of information related to navigating health insurance applications and follow up. They have assisted thousands of individuals in our service area to apply for and maintain insurance coverage. Outreach workers currently spend 7 to 10% of their work time traveling per week. While it does not eliminate the need for travel, providing health insurance assistance over telemedicine equipment greatly reduces the time outreach workers spend traveling and the cost of traveling between sites.

Another application for telemedicine that has improved patient engagement in their care is providing patient education via telemedicine. When a patient needs additional education and guidance, a provider can use telemedicine to connect them to another staff member such as a nurse at another facility. Patient education helps patients know how to manage their conditions and also introduces them to a staff member who can answer their questions about their care.

To reduce no-show rates, Grace Health has been testing an innovative approach. We use telemedicine equipment to provide introductions or "warm handoffs" to providers when it is not feasible to provide a service via telemedicine. For example, if a pregnant woman from an outlying clinic site requires a prenatal visit at the Women's Health Clinic, the primary care provider can provide an introduction and brief consultation using telemedicine. We believe making this connection with the OB provider reduces no-show rates, and we are tracking no-show rate data to test our assumption. One of our quality measures is related to early entry into prenatal care, which provides a greater chance of a health delivery. An increase in prenatal visits during the first trimester is critical in an area with higher rates of teen pregnancy than the national rate and higher rates of pregnant women who smoke. Showing up during those early months matters and telemedicine provides a great opportunity for early intervention.

Need for Financial Assistance

Grace Health provides primary care, behavioral health, and patient engagement services using telemedicine equipment located in nineteen school-based health centers, seven nursing facilities, and seven clinics. This approach eases the barriers faced by the communities we serve, increase access to primary care, expand behavioral health and substance abuse treatment and serve the most vulnerable population in the communities we served. Grace Health and our partners are committed to improving the outcomes of those we serve. Without telemedicine, we are unable to expand our services across sites due to the prohibitive cost and time involved in providers traveling between sites. In addition, because the sites are in rural areas, the demand for services and possible revenue is not sufficient to support the staff and services that are needed. As an organization, we are faced with difficult financial decisions that must balance the health care needs of our community with sustainability and fiscal responsibility. Telemedicine offers us a unique opportunity to expand our services across sites by expanding our capacity without expanding sites.

Benefits to Rural Residents

The benefits of telemedicine is wide reaching. We are expanding the number of access points for a variety of health care services. Specifically within the next three years, we anticipate achieving the following specific outcomes:

- Serve a total of **950** patients in **2,700** telemedicine visits
    - Provide primary care services for adults including prevention and urgent care visits, visits with a diabetes specialist APRN, visit with a women's health specialist APRN, and care coordination with nursing home patients to **500** patients in **1400** patient visits.
        - This number includes an estimated **300** older adults residing in nursing facilities who will receive approximately **1,200** patient visits.
    - Increase access to behavioral health/substance abuse treatment by providing direct services to **300** patients in **900** encounters. **75** are estimated to be new patients.
    - Serve **150** children in school-based health centers for primary care and behavioral health in **400** patient visits.
- Save students an estimated **300** health related absences including missing school for an appointment or missing extra days for untreated illnesses (150 students, 2 absences each student). A great cost savings to the schools as they receive funding per student per day.
- Save student parents an estimated **150** days of missed work due taking sick children to a doctor's appointment.
- Save patients an estimated **$53,446.50** in travel costs (average of 18.5 miles to hub, 18.5 mile return trip, expenses calculated at $.535 per mile, 2,700 patient visits)
- Save patients an estimated **2,295** hours of travel time (average of 25.5 minutes one way, 25.5 minutes return trip 2,700 patient visits)
- Save **90 minutes** of travel per month for per outreach worker.
- Reduce the no show rate for Grace Health primary care services to **6%.**
- Reduce the no show rate for behavioral health to **15%.**

Additional benefits include expanding the services offered through telemedicine to include specialty services that are not currently available, preventing out-migration of providers, reducing social stigma for behavioral health and reducing emergency department visits and hospitalizations.

Description of the Grace Health and Our Partners

Grace Community Health Center d/b/a Grace Health

Grace Health is the lead for the Distance Learning Telemedicine in our service area. We are a Federally Qualified Health Center that provides health services in Bell, Clay, Knox, Leslie, and Northern Whitley Counties in Kentucky. GCHC was first funded through HRSA's community health center program in 2008 and has since expanded to include seven satellite sites including a women's care clinic and 39 school-based health center sites. Grace Health serves nearly 34,431 patients including 7,600 students in school-based health centers. We aim to increase access to affordable health care for medically underserved residents who are medically vulnerable due to barriers to adequate care and the unique characteristics of the region.

Grace Health has placed telemedicine equipment at seven clinic sites and nineteen school-based health center sites. Each of the clinic sites serves as hubs/end users while the school-based health

centers and nursing homes serve as end-user sites. Grace Health provides behavioral health, primary care, consultation, and patient engagement services using telemedicine equipment. In addition, we have placed equipment in local nursing homes to improve care coordination for elderly patients.

Telemedicine Partners

Owsley County Health Care Center is a 91-bed non-profit nursing home facility serving Owsley County. This facility accepts Medicare and Medicaid. The nearest hospital is Manchester Memorial located in Clay County. **Laurel Creek Health Care Center** is a 106-bed nursing facility. The facility provides a full range of rehabilitative services and accepts Medicare and Medicaid. **Barbourville ARH** is a modern, 25-bed critical access hospital serving southeastern Kentucky. The hospital provides comprehensive health services including Nuclear Medicine, Surgical Services, Physical Therapy, Spiral C.T., Mammography services, MRI services, and a fully staffed 24-hour Emergency Room. **Hillcrest Nursing Home** is a 100-bed nursing facility. The facility provides 24-hour nursing, radiology, laboratory, pharmacy services, and physical, occupational, and speech therapy to southeastern Kentucky. **Christian Health Center** is a 100-bed non-profit nursing home. This center provides 24-hour nursing care to their residents. **Corbin Nursing Home** is a 100-bed nursing facility providing 24-hour nursing care, radiology, laboratory, pharmacy services and physical, occupational and speech therapy. **The Heritage** is an 85-bed nursing and rehabilitation facility providing a full range of services including short-term rehabilitation therapy, post-hospital care, skilled nursing care, and long-term nursing care. Grace Health currently has arrangements to conduct medical rounds at each of the partner facilities.

Total 2018 Telemedicine Cost

The total telemedicine cost was $649,866 for the latest award project. Of this, Grace Health contributed $153,786, which is 31% of the USDA DLT grant award of $496,081.

Telemedicine Facility

Grace Health meets the regulatory definition of telemedicine as defined in §1703.102, connecting patients and clinicians in underserved rural communities in Southeastern Kentucky with clinical specialists located in the hub facilities.

The private Grace Health network is comprised of broadband connectivity between seven hub/end-user sites and 15 end-user sites using 50Mbps symmetric broadband network connectivity from Internet Service Providers (ISPs) serving southeastern Kentucky. The network is designed to be very reliable and to provide a high-quality bandwidth to support high-end videoconferencing for telemedicine and distance-learning applications between the five locations. The design specifies a high availability of network access with little or no downtime. For access to the Internet, there is a single highly protected broadband access point at the Grace Health- Gray Clinic.

Each location has a specialized PC-based patient examination workstation connected to the network through a dedicated switch and router. Video conferencing uses H.323 IP video conferencing standard and typically operates at 1 Mbps for high quality video between patient and doctor. The telemedicine carts capture several modalities of diagnostic information and transmit this information in real time or as stored data files to specialist physicians at any site on the network. We primarily be using live video transmission in order to maximize reimbursement

for services.

The network technical hub site is located in the Grace Health Gray Clinic located at 39 Cumberland Gap Plaza in Gray Kentucky. This site is located in a rural area. This is a highly secure environment with routing and switching equipment installed with connections available to all the major telecommunications carriers. The network is elegantly simple and workable in design and execution. It is also affordable as the sites are eligible for support from the FCC Rural Health Care Universal Service Fund. Grace Health is enrolled in this program and continues to take advantage of this program. The infrastructure is large and strong enough to take on many more applications.

We access these networks using standards-based commercially available networks. These networks have a core backbone network capable of handling bandwidths in excess of 1 Gigabit per second. On an applications level these networks connect to other premier healthcare facilities for telemedicine, clinical mentoring, and grand rounds. In particular, they are compatible with the Baptist Health Foundation Corbin's Telehealth Network and the Kentucky Telehealth Network.

Telecommunications System

Bridge Infrastructure

The bridge infrastructure is located at the Grace Health – Gray Clinic, which is our largest clinic space. The primary component to the bridge infrastructure is the Polycome RealPresence Clariti. The RealPresence Clariti includes audio and video bridging, call control, client software, security and scheduling. The Clariti is standards-based meaning that we have the possibility to collaborate with partners who have other standards-based telemedicine solutions. The Clariti allows for up to 50 concurrent calls at 1080p and up to 100 concurrent calls at 720p. Licenses can be assigned to laptops, and desktops. If needed, Grace Health can increase the licenses to include additional concurrent calls.

Mobile Telemedicine Utility Carts

Grace Health has purchased a total of 22 utility carts. These carts are mobile, comprehensive units, which allows each site above to transfer equipment to the room where it is needed. Each cart includes a 27-inch LED flat panel display, an EagleEye HD camera, a speaker kit and a cable bundle. The 500 Group Series codec provides HD 720p video and superior audio communications across a customer's IP network, including 12x zoom high definition camera and the Polycom patented microphone array solution. This cart was a natural fit for our school clinics because they can be scaled to meet the needs and the available budget of the respective clinics. In our nursing homes, the carts can move from room to room as the provider performs medical rounds. In our clinic sites, the cart can be wheeled into an exam room after a medical visit for another type of visit such as behavioral health consultation, substance use assessment or patient education.

Convene (Desktop Unit)

Grace Health has purchased six Convene Desktop units, which are all-in-one desktop units. One site, the Gray clinic, has two desktop units. One is used for the clinical psychologist and behavioral health team to provide behavioral health services across sites and one is used for patient engagement.

Four other clinic sites received a Convene system: Grace Health – Bishop Street Clinic, Grace

Health Falls Hwy Clinic, Grace Health- Clay Clinic, and Grace Health Hyden Clinic. This all-in-one unit includes a camera, microphone and the Group Series 310 software. The Group Series is open, standards-based, interoperable technology. Polycom's unique interoperable SVC architecture is the first to provide video calling between both existing video systems and new SVC systems.

Emergency Transportation
Our telemedicine does not include communication upgrades between ambulances, emergency transportation vehicles and medical facilities.

Description of Sites and Rural Residents Served
The table below shows each site, its location, designation and number of patients served. Descriptions of the organizations are included above under Description of Partners. Grace Health operates 25 of the 33 sites and partners with seven nursing home facilities and one hospital. The table below shows the telemedicine sites and locations.

#	Site	Description	Location
1	Grace Health- Gray Clinic	Grace Health primary care clinic. Also provides integrated behavioral health services.	Gray, KY
2	Grace Health- Gray Clinic	Grace Health primary care clinic. Also provides integrated behavioral health services.	Gray, KY
3	Grace Health- Bishop Street Clinic	Grace Health primary care clinic. Provides services to older adults in nursing facilities.	Corbin, KY
4	Grace Health- Falls Hwy Clinic	Grace Health primary care clinic. Provides services to older adults in nursing facilities.	Corbin, KY
5	Grace Health- Goose Rock Elementary	School-based health center operated by Grace Health	Manchester, KY
6	Grace Health- Paces Creek Elementary	School-based health center operated by Grace Health	Manchester, KY
7	Grace Health- Big Creek Elementary	School-based health center operated by Grace Health	Oneida, KY
8	Grace Health- Hacker Elementary	School-based health center operated by Grace Health	Manchester, KY
9	Grace Health- Burning Springs Elementary	School-based health center operated by Grace Health	Manchester, KY
10	Grace Health- Manchester Elementary	School-based health center operated by Grace Health	Manchester, KY
11	Grace Health- Hayes Lewis Elementary	School-based health center operated by Grace Health	Yeaddiss, KY
12	Grace Health- Oneida Elementary	School-based health center operated by Grace Health	Oneida, KY
13	Grace Health- Manchester Clinic	Primary care clinic. Also provides behavioral health.	Manchester, KY
14	Grace Health- Manchester Clinic	Primary care clinic. Also provides behavioral health.	Manchester, KY

15	Grace Health- Hyden Clinic	Primary care clinic	Hyden, KY
16	Grace Health- Women's Care Clinic	Women's health clinic. Also provides substance abuse treatment and mental health services to pregnant women.	Corbin, KY
17	Grace Health- Pineville Clinic	Primary care clinic. The hub for the school-based health telemedicine program	Pineville, KY
18	Grace Health- Pineville Clinic	Primary care clinic. The hub for the school-based health telemedicine program	Pineville, KY
19	Owsley County Health Care Center	Nursing facility receives services from Grace Health	Booneville, KY
20	Laurel Creek Health Care	Nursing facility receives services from Grace Health	Manchester, KY
21	HillCrest Nursing Home	Nursing facility receives services from Grace Health	Corbin, KY
22	Christian Health Center	Nursing facility receives services from Grace Health	Corbin, KY
23	Corbin Nursing Home	Nursing facility receives services from Grace Health	Corbin, KY
24	The Heritage	Nursing facility receives services from Grace Health	Corbin, KY
25	Clay County High School	School-based health center operated by Grace Health	Manchester, KY
26	Clay County Middle School	School-based health center operated by Grace Health	Manchester, KY
27	Corbin High School	School-based health center operated by Grace Health	Corbin, KY
28	Corbin Middle School	School-based health center operated by Grace Health	Corbin, KY
29	Corbin Elementary School	School-based health center operated by Grace Health	Corbin, KY
30	Paige Elementary	School-based health center operated by Grace Health	Pineville, KY
31	Bell Central School Center	School-based health center operated by Grace Health	Pineville, KY
32	Bell Conty High School	School-based health center operated by Grace Health	Pineville, KY
33	Mountain View Elementary	School-based health center operated by Grace Health	Hyden, KY
34	Stinnet Elementary	School-based health center operated by Grace Health	Essie, KY
35	W. B. Muncy Elementary	School-based health center operated by Grace Health	Wooton, KY
36	Barbourville ARH Hospital	Knox County Hospital Partner	Barbourville, KY

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MICHIGAN STATE UNIVERSITY | Extension

Testimony before the United States Senate Committee
on Agriculture, Nutrition and Forestry
"Implementation of the 2018 Farm Bill: Rural Development and Energy Programs"

Jeffrey W. Dwyer
Director, Michigan State University Extension
Senior Associate Dean, MSU College of Agriculture and Natural Resources

November 7, 2019

Chairman Roberts, Ranking Member Stabenow, and distinguished members of the committee. Thank you for this opportunity to testify about the importance of strengthening health services in rural communities. My name is Jeff Dwyer and I am the director of Michigan State University (MSU) Extension and the senior associate dean of outreach and engagement in the College of Agriculture and Natural Resources at MSU.

Before I begin, I want to also thank you for coming to Michigan in 2017 to hold a field hearing at the Saginaw Valley Research and Extension Center as you prepared the 2018 Farm Bill. As you may know, Michigan farmers produce more than 300 commodities and their needs are as diverse as the crops they grow and the livestock they raise. Their voices are important in any discussion about agriculture, and I truly appreciate the time you took to listen to their concerns and suggestions.

This summer I did my own listening and learning during a 15-week tour of all 83 counties in Michigan. In addition to spending time with more than 600 colleagues and thousands of partners, supporters and friends, I saw firsthand the ongoing challenges in rural parts of the state and the risks that farmers take to feed the world. As one row crop farmer said to me in May, "I will be putting $500,000 into the ground as soon as the weather gives me a chance to do that, and I have no idea what is going to happen." As of earlier this week, he was still unsure when he'd be able to harvest.

When I became the director of MSU Extension in 2016, the organization already had a 100-year-old reputation of serving rural audiences through agriculture education programs that helped farmers reduce risk while increasing production and profits. However, on the heels of engaging in the Flint Water Crisis and bringing our agriculture partners into that city through donations of milk, fresh vegetables and other commodities, my colleague at the Michigan Department of Agriculture and Rural Development (MDARD) expressed great concern about the uptick in suicides in rural areas—specifically among farmers and those working in agriculture, such as grain elevators, trucking and financial institutions. The Centers for Disease Control and Prevention has reported that farmers and farm workers attempt and complete suicide at a higher rate than other professions. In addition, the National Institute for Occupational Safety and Health examined 130 occupations and found farm laborers and owners had the highest rate of deaths due to stress-related conditions, such as heart disease, hypertension, ulcers and nervous disorders. Many more are injured. Those injuries, especially to the back and joints, encourage the use of painkillers, including opioids. The risks that American farmers endure on our behalf are significant.

We took immediate action to prepare our own staff members. Mental Health First Aid, an internationally-recognized program, was identified as a critical first step. This full-day, certificate training teaches people how to identify the signs of stress, how they manifest, and where they can find the resources to get help. I feel so strongly about the importance and impact of this training that I challenged all 600 MSU Extension faculty and staff members to get certified. To date, nearly three-quarters of our staff have completed the training, and we have offered it to hundreds of rural leaders and agribusiness professionals throughout Michigan. MSU Extension staff members are sentinels in their communities. They live there, they are trusted, and they know when there are issues in their communities. When trained in mental health awareness, they are able to better communicate those community needs in timely ways so that MSU Extension can be responsive.

Though we offered programming around stress management and chronic health conditions prior to 2016, we had not linked it directly to rural communities' specific needs. Nor had we armed our agriculture educators with the tools they needed to recognize symptoms of chronic stress and the resources they needed to help clientele. Two and a half years ago, we committed significant financial and human resources to helping farmers and those who love and care for them learn to identify the warning signs of stress, learn how to approach people suffering, listen empathetically and find resources. Subsequently, we have become nationally known for our work in this area. In January, we held a summit where 99 professionals from 19 states learned how to teach two curricula on this important subject.

For example:

- **Farm Stress Management Train-the-Trainer program**, which certifies Cooperative Extension staff in how to facilitate and deliver two important farm stress workshops, **Weathering the Storm** and **Communicating with Farmers Under Stress.**
    - **Weathering the Storm in Agriculture: How to Cultivate a Productive Mindset** shows farmers how to identify signs and symptoms of stress in themselves and their families and teaches stress management techniques they can use in their everyday lives.
    - **Communicating with Farmers Under Stress** is a workshop that teaches agricultural industry workers how to recognize and respond to signs of mental distress with the farm families they encounter in their work.
- **Bury Seeds, Not Stress** is a four-part webinar series that covers a diverse set of farm stress-related topics, such as recognizing signs of stress in youth and the mental health stigma facing men. Recorded versions of all Bury Seeds webinars are available for anyone who is interested on MSU Extension's **Managing Farm Stress website**.
- Additional offerings on **MSU Extension's Managing Farm Stress website** include factsheets and articles on everything from farm finances to opioid abuse.
- MSU Extension's agriculture and health educators regularly team up to deliver comprehensive programming in local communities, which weaves farm stress topics into community meetings surrounding issues such as delayed planting and harvesting.
- MSU Extension is piloting a text messaging program to learn more about the struggles that Michigan farmers experience and what types of information may help.

- We are also at the beginning stages of developing a short certificate course for all mental health professionals so that they can learn the unique circumstances and challenges facing farmers, farm workers and those who work in agriculture as it relates to stress, depression, suicidology and substance abuse issues.

And this is just the tip of the iceberg. We are always looking forward to additional opportunities that will make a difference nationwide. For example:

- We have agreements with the American Farm Bureau Federation, the National Farmers Union and the Farm Credit Council with the goal of extending our current farm stress educational materials and creating new customized materials in online courses that will better prepare their employees to recognize the signs and symptoms of stress, and give them the ability to connect those in need with resources. MSU Extension will present in-person trainings to key organizational staff of the American Farm Bureau Federation and National Farmers Union. At their national conventions, we are training a subset of each organizations' staff members who will become facilitators of the farm stress education and will learn how to lead people in role-play and real-life scenarios that employees may encounter with struggling farmers.

- Recently, we were awarded a $1 million grant from the Substance Abuse and Mental Health Services Administration (SAMHSA) to create evidence-based trainings on opioid misuse prevention, treatment and recovery. This partnership with the MSU College of Human Medicine (MSU CHM) and the Health Department of Northwest Michigan (HDNW) will develop standardized state-of-the-art trainings plus print and online technical assistance materials addressing the epidemic of opioid use disorders (OUD) in rural Michigan.

- We are also working closely with the lead investigator on MI-CARES, another SAMHSA-funded project, that is creating curriculum that will accredit medical students in addiction medicine.

- We obtained additional SAMHSA funding through the Michigan Department of Health and Human Services for a program to reduce high-risk behaviors that may lead to opioid use disorders and/or substance abuse among Michigan residents ages 55 and above.

All of this will help us continue to make a difference in the lives of rural residents in our state. Once we teach people to identify the signs of mental health challenges and addiction, we can connect them to appropriate resources. In fact, that is the best way to describe who we are in the behavioral health space—we are teachers and connectors. We are not therapists, physicians or psychiatrists, but we are finding ways to collaborate with them to benefit farmers and rural communities.

Our experience in farm stress management and community behavioral health in rural areas is not unlike the emerging role that Cooperative Extension needs to play in both rural and urban areas in the 21st Century. I am convinced that our significant investments in recent years to address suicide, opioid misuse and other mental and behavioral health issues would have been unsuccessful if our new colleagues with this training had walked onto farms and into rural communities alone. Instead, they arrived shoulder-to-shoulder with their agriculture colleagues who had the trust, relationships and gravitas to encourage people to listen. In 2017, we published an article in Academic Medicine (Dwyer et al., 2017) arguing that health Extension, particularly in more rural communities, should not be "modeled" on

the agricultural network of the Cooperative Extension System (CES) as suggested in the Affordable Care Act, but that "the CES represents an ideal vehicle for providing health-related research and care delivery given its proven track record, an existing budget, a staffing structure that includes content experts in human health, and well-developed local community partnerships." We need to think differently and creatively about how the CES, together with local and regional partners, can assist rural communities. At MSU Extension, we do this by taking advantage of our century-long history of being embedded in all communities through a truly statewide network, and our broad expertise ranging from agriculture to youth and community development to health care and nutrition education.

During my 15-week road trip through Michigan, some common themes became evident in our rural counties:

- Rural Michigan is not equipped to care for aging baby boomers. According to the U.S. Census Bureau (2019), 17.5% of rural populations are 65 or older compared to 13.8% in urban areas. The challenges associated with the availability of medical specialties that serve the unique needs of older individuals, limited transportation, and limited access to innovative housing and smart-home options create unique challenges in rural America. Moreover, long-term care in the United States is still disproportionately provided by families, particularly spouses/partners and adult daughters. The availability of familial care options is less in rural areas due to the outmigration of younger generations and increasing likelihood that older people will not move to new areas.
- Our cries to "end the stigma" and encourage people to talk openly about mental health concerns will go unheeded as long as there is a shortage of mental health professionals. Creating networks of mental health and community behavioral health experts who can work closely with clinical experts locally and through telemedicine can be part of the answer.
- Many communities are in favor of creating substance-abuse facilities, but they don't have adequate staffing. My MSU Extension colleagues in the Upper Peninsula are helping with this shortage by partnering with the Michigan State Police on a project called "In Plain Sight." They have set up travel trailers to mimic a teen's bedroom and demonstrate common red flags so that parents and caregivers can learn where young people may hide or disguise illegal substances.

We can work together on brick and mortar projects to house these much-needed services, but none of that matters if we don't have qualified professionals to staff them. The key is to make rural communities a place where health care professionals want to live, work and raise their families.

The MSU College of Human Medicine uses an immersive approach to educating health physicians. Though the college's headquarters are along the "medical mile" in Grand Rapids, third- and fourth-year medical students engage in disciplinary clerkships in any of nine primary teaching hospitals and 57 community hospitals throughout Michigan in seven community campuses including Flint, Grand Rapids, Lansing, Midland Regional, Southeast Michigan, Traverse City and the Upper Peninsula Region. A study published in the February 2018 issue of Academic Medicine concluded that distributed medical education campuses can have a significant effect on the long-term regional physician workforce. In fact, 20% of our graduates practice within 50 miles of their medical school campus. Students' long-term

practice choices may also reflect the patient populations and specialty patterns of the communities where they learn. If you're a resident of Michigan's Upper Peninsula, there is a one-in-three chance that your physician is an MSU graduate.

I happen to be one of those lucky UP residents. I live in Munising, a lovely little town in Alger County. The 10,000 residents who call Alger County home have the privilege of living on the border of Lake Superior and in the gateway to the Pictured Rocks National Lakeshore. In this beautiful region, one-of-four residents are age 65 or older; we have significant concerns about suicide at all ages; and there are ongoing challenges with substance abuse and manufacturing. My wife Nancy and I are active in the business and health care communities--Nancy, was on the Board of Marquette General Hospital/UP Health Systems - Marquette for many years. We are aware of the difficulty of recruiting and retaining qualified health professionals of all types to rural areas. This is a rural community development challenge that needs your support … not just a health care challenge. Emerging health professionals need assurance that there will be professional opportunities for their spouses and partners; affordable housing at reasonable prices as they struggle with increasing amounts of debt from education; excellent schools for their kids; a network of health professionals; and accessible broadband is imperative to recruit and retain health care professionals in rural areas, both from their professional need to be able to access the latest medical information and from a personal standpoint.

Rural development resources designed to leverage the assets of communities committed to creating a comprehensive and sustainable health care environment is critical and can be guided and supported by the existing networks of the CES.

And with or without adequate health care staffing, rural residents deserve the same access to telemedicine as their urban and suburban friends and family. Modern technology has enabled doctors to consult patients by using HIPAA compliant video-conferencing tools.

Telemedicine makes health care more accessible, cost effective and increases patient engagement. It gives parents of young children the ability to get help without the added risk of travel, and better equips seniors to age in place. And there is a whole set of other reasons why it makes sense in modern times. But none of them are relevant if patients don't have access to an affordable connection to broadband services.

Finally, the World Health Organization (WHO) defines Social Determinants of Health as "the circumstances in which people are born, grow up, live, work and age, and the systems put in place to deal with illness." This now well-established perspective based on a three-decade history of research still affirms that social and economic factors remain the most significant contributors to individual and population health. Adequate incomes, jobs, affordable housing, quality education, health services that are adequate, accessible and affordable, and many other social and economic determinants directly impact health at the individual and population levels. Often rural residents are disadvantaged on these dimensions and face additional challenges associated with distance, seasonality of economic opportunities, and the environment.

At Michigan State University, we are doing what we can to support rural residents in myriad ways. By working together with this committee and other partners on the federal, state and local level, I hope we can find more ways to provide the services people need. Thank you for your time today. I look forward to answering your questions.

QUESTIONS AND ANSWERS

NOVEMBER 7, 2019

Senate Committee on Agriculture, Nutrition, & Forestry
Hearing on Implementing the 2018 Farm Bill: Rural Development and Energy Programs
November 7, 2019
Questions for the Record
Administrator Bette Brand

Senator Debbie Stabenow

In Michigan, the local food economy is a growing sector of agriculture, contributing more than $465 million a year to the local economy. The 2018 Farm Bill recognizes the economic potential of local and regional food systems through the creation of the Local Agriculture Market Program, which provides grants to support local foods, value-added agriculture, farmers markets, and regional food system partnerships.

1. What is Rural Development doing to improve coordination and collaboration with the Agriculture Marketing Service to better administer the Local Agriculture Market Program?

Response: The Value Added Producer Grant program continues to be a popular program with agricultural producers and Rural Development has been actively working to implement this program in its new home under the Local Agriculture Markets Program. Rural Development and the Agricultural Marketing Service have been working together to ensure that all programs under the Local Agriculture Markets Program are being communicated and administered as directed by the 2018 Farm Bill. Staff from both agencies meet regularly to discuss opportunities to streamline programs and improve customer experience. Examples of efforts to date include: sharing and integrating best practices, coordinating stakeholder engagement, and leveraging resources and capacity to expand outreach for all three programs.

2. When will the 2019 funding for value added producer grants be made available?

Response: Rural Business-Cooperative Service has developed the notice of funding available (NOFA) which will include mandatory Farm Bill funds and appropriated dollars. We anticipate publication prior to the end of the calendar year.

3. The Center for Climate and Energy Solutions recently identified algae-based production of feed, fuels, and chemicals from carbon captured at power plants, manufacturing facilities, and other carbon sources as a key pathway for decarbonization. What is USDA doing to support broader adoption of products derived from algae and other biomaterials that can help cut down on manufacturing processes that were formerly fossil fuel intensive?

Response: Rural Development's Biorefinery Renewable Chemical and Bio-based Product Manufacturing Program provides loan guarantees up to $250 million to assist in the development, construction and retrofitting of new and emerging technologies from a variety of bio feedstocks, including algae. The emerging

technology can produce any combination of advanced biofuels, renewable chemicals and/or biobased products/intermediaries.

Additionally, the Business and Industry Guaranteed Loan program helps ensure that capital is available to support building the facilities directly related to and supportive of these industries. Examples would include: rail spurs; trucking; and other distribution methods.

The Biobased Markets Program, Section 9002, continues to support the goal of increasing the development, purchase, and use of biobased products through its certification and labeling program for biobased products as well as the requirement for Federal Agencies and their contractors to give purchasing preference to biobased products identified by the program.

4. In May of 2016, USDA issued a report – Building Blocks for Climate Smart Agriculture and Forestry. In that report USDA analysis showed the REAP program is one of the most effective programs the USDA has at their disposal to reduce carbon emissions – while providing economic benefits for rural communities. What steps is USDA taking to update this report and make this important information available to the public?

Response: RD is continuing to assess the performance of the REAP program to generate carbon-neutral benefits. In FY 2019, we administered REAP awards to all 50 states totaling over $175 million. These awards will help agricultural producers and rural small businesses make energy efficiency improvements or utilize renewable energy systems.

5. In the President's October 4, 2019 biofuel announcement, USDA was mentioned having a role in the following capacity: "USDA will seek opportunities through the budget process to consider infrastructure projects to facilitate higher biofuel blends."

a. Can you please provide additional details on this statement and outline Rural Development's role in consideration and development of these infrastructure projects and the stage of this decision? The Biofuel Infrastructure Partnership program, administered by USDA in 2015, was facilitated by the Farm Service Agency. Are there plans for Rural Development to now oversee the infrastructure grants being considered by this administration and if so, what makes Rural Development better equipped to do so?

Response: On October 4th, 2019, the Administration announced an agreement to expand domestic ethanol and biodiesel use under the Renewable Fuel Standard. As part of this agreement, USDA committed to seeking opportunities to consider infrastructure projects to facilitate higher biofuel blends of ethanol and biodiesel.

USDA is considering a number of options to facilitate infrastructure projects in support of higher biofuel blends. Rural Development has the capacity and

experience supporting infrastructure grant programs as well as large renewable energy projects and programs, such as the Biorefinery, Renewable Chemical and Biobased Product Manufacturing Program and the Advanced Biofuel Payment Program, both under the Energy Title IX of the 2018 Farm Bill.

6. Please provide the Committee with a list of all projects made within Rural Business Services for FY 2019. Please include the program, project amount, awarded entity, location, date awarded, and detailed project description.

Response: RBCS projects funded in FY19 are attached.

Senator Joni Ernst

1. Coordination of USDA, EPA and DOE programs could greatly assist in the greater deployment of digesters across the rural landscape. What is the current status of the establishment of the Biogas Opportunities Task Force?

Response: We agree that coordination across USDA, DOE, and EPA can facilitate greater deployment of digesters across the rural landscape. The request to establish a Biogas Opportunities Task Force was included in the joint explanatory statement to the 2018 Agriculture Improvement Act. Funding to support a task force has not been appropriated at this time, but we will continue to work closely with DOE and EPA to support the expansion of anaerobic digesters.

Senator David Perdue

1. Administrator Brand, thank you for taking the time to come before the Committee to discuss Farm Bill Implementation. Making sure that rural America has the financial tools that it needs to grow is important to me, and I appreciate the work you do at USDA to support business development.

a. For many years, the Small Business Administration's guaranteed loan program has operated on the basis of zero subsidy. Zero subsidy reduces any use of budget authority and has allowed the total SBA loan program to grow serving small businesses and avoiding government costs.

b. Do you favor moving the guaranteed loans administered by USDA to zero subsidy?

Response: USDA favors reducing costs to taxpayers to administer these important programs and still allow capital to flow into the rural economy. We are exploring many options to accomplish this, including look at ways to reduce the amount of subsidy required to deliver the program.

c. What is USDA doing to make zero subsidy a reality?

Response: Rural Development has been actively enhancing underwriting practices across the mission area through dedicated underwriting training for new and mid-career level employees. Rural Development has also engaged and partnered with the American Bankers Association, Independent Community Bankers of America, National Rural Lender's Association and the National Rural Lenders Roundtable regarding potential changes to the B&I program. These entities are keenly focused on ensuring the availability of credit to rural businesses across the country and have expressed support for the Business and Industry Guaranteed Program.

USDA is currently analyzing its guaranteed loan portfolios to assess the potential impact of a zero-subsidy rate. This includes running multiple financial models to assess the portfolio risk by sector and the impact of additional fees for program participants to get a full picture of where the risks lie in our lending portfolio and how best to mitigate those risks. This information is critical in reaching a final assessment on how to properly manage a loan portfolio to maintain a zero subsidy and minimize losses to the government.

d. And, do you expect that loan authority will be increased to reflect zero subsidy?

Response: USDA's lending levels are determined by the amount appropriated by Congress.

2. Administrator Brand, what is the current status of the OneRD Rule?

a. Where is it in the process and when do you think it will be published in the Federal Register?

Response: We are finalizing the Rule and working with the necessary internal channels to complete the clearance process. We expect to publish the Rule in the spring.

Senator John Thune

1. Ms. Brand, in your testimony, you mentioned that RD is working with the Agriculture Marketing Service on implementation of the newly created Local Agriculture Markets Program.

Can you go into greater detail about these coordination efforts? What role will RD play in implementing this program?

Response: Rural Development has been actively engaged with Agriculture Marketing Service to ensure that all programs under the Local Agriculture Markets

Program are being communicated and administered as outlined by the 2018 Farm Bill. Staff from both agencies meet regularly to discuss opportunities to streamline programs and improve customer experience. Examples of efforts to date include: sharing and integrating best practices, coordinating stakeholder engagement, and leveraging resources and capacity to expand outreach for all three programs.

Per Section 10102, Rural Business-Cooperative Service will continue to administer the Value Added Producer Grant program and the Agricultural Marketing Resource Center (AgMRC). Since enactment of the 2018 Farm Bill, RBCS has met on a regular basis with staff in Agricultural Marketing Service administering the Local Food and Farmers Market Promotion programs.

Senator Patrick Leahy

1. The 2018 Farm Bill authorized $10 million to establish a new Rural Innovation for a Stronger Economy (RISE) grant program to help struggling rural communities that are making investments in innovation. These grants have the potential to help reinvent rural communities by transforming them into hubs for 21st century jobs. The Senate's FY20 Agriculture Appropriations bill provides $5 million for the Rural Business Cooperative Service to implement the RISE grant program, with directive language to give the highest priority to applicants leveraging next generation gigabit broadband service to provide training in the digital skills necessary to promote entrepreneurship and startup creation.

Will the USDA commit to ensuring that these grant dollars, if enacted by Congress in FY20, will be made available to applicants who are leveraging next generation broadband, and not exclusively applicants with an established agriculture and tech sector?

Response: RISE is a new program authority for Rural Development, and we will responsibly administer any funding appropriated for the program. Rural Development will work to ensure the program is carried out as described in Section 6424 and will be committed to making awards to the most qualified applicants who can best build and support collaboration among community and regional stakeholders to connect to regional opportunities, networks, and industry clusters that demonstrate high growth potential. The ability to leverage and expand broadband service and utilization will be one of the program's evaluation criteria.

Senator Sherrod Brown

1. We are now in the second month of FY 20 and we have yet to see even the FY19 solicitation for Value Added Producer grant program. When will the FY 19 notice of funding be published? What about FY20? As you know, the 2018 Farm Bill provided the program with administrative funding in addition to grant dollars for the first time so I can't imagine the delay is a staff capacity issue.

Response: Rural Business-Cooperative Service has developed the notice of funding available (NOFA) which will include mandatory Farm Bill funds and appropriated dollars. The notice is in its final stage of clearance and we anticipate publication prior to the end of the calendar year.

Producers in my state are struggling and in such a volatile economy, a little bit of consistency and predictability can go a long way. The Value Added program has been popular in Ohio and it is important that we get it back on track. How do you propose to do this and ensure the program is administered in a consistent and predictable way moving forward?

Response: The Value Added Producer Grant program continues to be a popular program with agricultural producers and Rural Development has been actively working to implement this program in its new home under the Local Agriculture Market Program. The 2018 Farm Bill changes for the program require some regulatory updates and Rural Development will use this opportunity to get a fixed date established for accepting applications to improve program delivery and allow for a consistent application time frame each year.

2. The 2018 bill also included my Local FARMS act which increased funding for the promotion of local agriculture and rural communities through the new Local Agricultural Marketing Program (LAMP). LAMP is administered jointly by RD and AMS; how is this new collaboration going so far?

Response: Rural Development has been actively engaged with Agriculture Marketing Service to ensure that all programs under the Local Agriculture Markets Program are being communicated and administered as outlined in the 2018 Farm Bill. Staff from both agencies meet regularly to discuss opportunities to streamline programs and improve customer experience. Examples of efforts to date include: sharing and integrating best practices, coordinating stakeholder engagement, and leveraging resources and capacity to expand outreach for all three programs.

3. Recent news reports have found that communities in America's breadbasket are increasingly becoming food deserts as grocery stores in rural towns close. At the same time, CDC has reported a growing gap between the rates of preventable deaths in urban versus rural areas. The CDC recommends encouraging diet and exercise, among other things, as a solution to preventable deaths, yet 5 million people in rural areas need to drive at least 10 miles to access grocery stores with fresh produce. How does USDA plan to prevent more grocery store closures and increase access to fresh and healthy foods for rural communities? How will USDA be a partner with communities and states to ensure they have access to nutritious foods and other brick and mortar food stores that in many small towns serve as far more than just a spot to buy groceries?

Response: The Business and Industry Guaranteed Loan Program has a local foods component where 5 percent of the funds available for the fiscal year are set aside for

businesses that process, distribute, store, and/or market locally or regionally produced agricultural food products. This program is available to businesses in urban and rural areas. Funding priority is given to projects that provide a benefit to underserved communities, which is a community that has limited access to affordable, healthy foods in grocery retail stores or farmer to consumer direct markets where there is a high rate of hunger, food insecurity, or a high poverty rate.

Rural Development programs, particularly programs administered by Rural Business-Cooperative Service have a strong track record of supporting local and regional food systems. An array of RBCS programs continue to support farmers markets, value added products, food aggregation and distribution centers, retail food outlets, as well as supporting energy efficiency and energy improvements for agricultural producers and rural small businesses.

Additionally, Rural Development administers the Healthy Food Financing initiative which aims to improve access to affordable, healthy foods in urban and rural areas, particularly areas composed predominantly of lower income neighborhoods and communities. Rural Development partners with the National Fund Manager to administer funding appropriated under this authority. The initial round of funding was successful and resulted in $1.8 million in grant awards which will be used to implement a variety of innovative strategies to bring healthy food access to both rural communities and urban neighborhoods.

Senator Amy Klobuchar

1. I worked to include a bipartisan amendment to the 2018 Farm Bill that invested in Energy Title programs like the Renewable Energy for America Program (REAP), which supports renewable energy and energy efficiency on farms and rural small businesses.

2. Can you describe the steps the Department of Agriculture is taking to educate farmers and rural small businesses about the availability of funding and opportunities for energy savings from REAP?

Response: Rural Development has 47 State Offices as well as area offices which provide stakeholder engagement, outreach and servicing for energy and business programs. In addition, we have National Office Staff who conduct a variety of outreach and stakeholder engagement across National platforms such as conferences, webinars, and events with trade groups for ag producers, small business, and lending partners. In addition, we are leveraging our MOU with the Small Business Administration to expand our ability to educate their partners and stakeholders on REAP and other RBCS funding programs. Further, the agency's lender advocates have been helpful in providing outreach, technical and education support for the program.

Senator Robert P. Casey, Jr.

1. The Healthy Food Financing Initiative (HFFI) is a model solution for access to fresh food outlets, and we need to continue to do more to ensure access to healthy food, especially in rural, underserved areas. HFFI was modeled off of the very successful program in Pennsylvania, providing support and investment for food merchants working to address the issue of food deserts. This enables communities across the country to improve healthy food access, foster local economies, and enhance public health. While RBS has a number of financing programs, HFFI has the right combination to improve access, create jobs, revitalizing communities, generating tax revenue, improve access to healthy food, and establish new opportunities to support the growth and expansion of rural food economies in the region. HFFI recently launched its inaugural round of grants, which were for 2018. There were 240 applications were received from over 46 states, territories and DC, a total of $42.5 million in grant award requested for a program of $2m. I am pleased that this includes funding for the Erie Downtown Development Corporation in Pennsylvania. I look forward to seeing further HFFI investments to revitalize communities in Pennsylvania by developing and renovating stores, generating local tax revenue, creating and retaining jobs and bringing development to low-income neighborhoods.

a. How are you coordinating with other programs to leverage this great program model, but with such limited funding?

Response: Rural Development administers the Healthy Food Financing initiative and partners with the National Fund Manager to administer funding appropriated under this authority. The initial round of funding was successful and resulted in $1.8 million in grant awards which will be used to implement a variety of innovative strategies to bring healthy food access to both rural communities and urban neighborhoods.

The Business and Industry Guaranteed Loan Program has a local foods component where 5 percent of the funds available for the fiscal year are set aside for businesses that process, distribute, store, and/or market locally or regionally produced agricultural food products, which is available to businesses in urban areas as well as rural areas. Funding priority is given to projects that provide a benefit to underserved communities, which is a community that has limited access to affordable, healthy foods in grocery retail stores or farmer to consumer direct markets where there is a high rate of hunger or food insecurity or a high poverty rate.

Rural Development programs, particularly programs administered by Rural Business-Cooperative Service have a strong track record of supporting local and regional food system work. An array of RBCS programs continue to support farmers markets, value added products, food aggregation and distribution centers, retail food outlets, as well as supporting energy efficiency and energy improvements for agricultural producers and rural small businesses.

b. Since HFFI really only launched in 2019, how can USDA ensure that staff throughout USDA, including field offices, are aware of the program and how it works?

Response: Rural Business-Cooperative Service is creating a program webpage so that internal and external stakeholders can access relevant information on HFFI. This page will also link back to the National Fund Manager's website with the most current information available. Monthly meetings are held with the field to update them on status of funded programs. This is helpful as field offices are responsible for outreach of programs. RBCS will be working with the Agriculture Marketing Service to get HFFI included on the USDA informational sheet explaining what and where USDA programs can help in the local food supply chain.

2. The Value Added Producer Grants Program (VAPG) has a long track record of success. It was created in the 2000s at a time of low commodity prices, similar to today, to help producers diversify their operations, capture more of the consumer dollar, and become less dependent on the volatility of commodity markets. Pennsylvania producers have received nearly $7 million in VAPG funding, and it has been instrumental in creating more jobs and helping small businesses survive. VAPG has been an especially important tool for helping dairy producers survive in what have been incredibly tough times for the dairy industry

a. While I am glad the farm bill made these important improvements, I am concerned that we are now over a month into FY20 and the first round of VAPG funding under the new farm bill (FY19) hasn't even been announced. When can we expect to see the VAPG funding notice published? And will it be combining FY19 and FY20?

Response: Rural Business-Cooperative Service has developed the Notice of Funding Available which will include mandatory Farm Bill funds and appropriated dollars. The notice is in its final stage of clearance and we anticipate publication prior to the end of this calendar year. The notice does include FY2020 funds which may be used if enough, quality applications are received.

b. In LAMP we also included a new authority within VAPG to allow some of the funding to be used to help shouldering the burden producers are facing when it comes to compliance with the Food Safety Modernization Act. My understanding is that unlike the rest of VAPG in LAMP which is self-implemented, that USDA needs to conduct a rulemaking for that. Can you please tell when we can expect that rulemaking and how do you plan to provide farmers an opportunity to weigh on the rule to make sure it is done right?

Response: Correct, the implementation of the food safety component will require regulatory updates. This authority is new to the VAPG program and

an expansion of the eligible project purposes. A stakeholder forum will be held before publication of the Rule to give producers an opportunity to provide feedback on proposed changes made to the regulation. The agency anticipates this provision will be implemented by FY2021.

3. I'm increasingly aware of the important role of civic-sector intermediary organizations that work across a region in advancing smart, strategic and locally tuned approaches to community and economic development. For example, in my state, Pennsylvania Wilds is a non-profit organization that is working across a region bigger than Massachusetts with an emphasis on building a durable local and regional economy that works for all residents.

a. How does USDA Rural Development currently think about, work with and provide funding to support the ongoing programming of these types of organizations, which provide critical capacity and often act as a catalyst for innovation in rural regions?

Response: Rural Development partners with many community development entities, providing funds for their administrative expenses, outreach and training efforts, plus loans and grants to assist in the development of local small businesses. Additionally, the Rural Development Innovation Center leads and coordinates partnership activities with organizations like nonprofit intermediaries to support community and economic development efforts. In 2018, the Innovation Center launched the Rural Economic Development Innovation (REDI) initiative to provide regional economic development planning assistance to thirty-nine rural communities and regions, including Tioga County, Pennsylvania. Rural Development also works directly with and funds some regional partners, such as the Appalachian Regional Commission and Delta Regional Authority, to enhance their service to local businesses. Rural Development State Directors also identify potential program opportunities for early inclusion of Rural Development programs in regional efforts, including the Appalachia Storage and Trading HUB for ethane production, that will provide substantial economic implications for that area.

b. Do you have the programs and tools you need to do this or is this an area where we should be having a deeper conversation with you to ensure that USDA RD has the programs and tools needed to meet 21st Century rural challenges?

Response: Response: In 2018, Rural Development was able to set aside funding for the purpose of supporting regional economic development planning assistance to help rural communities meet 21st Century rural challenges. In the 2018 Farm Bill, we were given authority to formalize that effort through the development of Strategic Community Investment Plans. We look forward to fully implementing that provision when funded. The expansion of rural broadband and the financial health of rural hospitals remain an issue of critical importance to the sustainability of our rural communities. There are sufficient RD programs in place to work with these projects, but there are challenges

related to the regulatory requirements of other government entities that can often cause uncertainty and project delays.

Senate Committee on Agriculture, Nutrition, & Forestry
Hearing on Implementing the 2018 Farm Bill: Rural Development and Energy Programs
November 7, 2019
Questions for the Record
Administrator Bruce Lammers

Senator Debbie Stabenow

1. The 2018 Farm Bill included provisions to ensure that the Community Facilities program gives priority to applicants seeking to develop facilities that will prevent substance abuse, treat individuals that are recovering, and employ staff that have appropriate expertise and training to accomplish these goals. During your testimony, you stated that in Fiscal Year 2019, the Community Facilities program obligated $43 million to 47 projects that will develop facilities targeted at combatting addiction.

Response: As of September 30, 2019, USDA Rural Development partnered with rural communities to support opioid prevention, treatment, and recovery opportunities by investing $7,469,290 in 44 projects in 15 states to benefit 305,321 rural residents through the Community Facilities Program.

The previous obligation report that was included in the written testimony included the entire funding for Fayette County-OH ($20M) and Muskingum Valley Health Centers-OH ($18M).

However, it is important to note that these numbers account for total project cost and that only a portion of these projects, rather than 100%, will directly support opioid prevention, treatment, and recovery. Therefore, this reduces the obligation amount to $1 million for Fayette County-OH and $900,000 for Muskingum Valley Health Centers-OH.

a. Were there high-quality projects targeted at opioid addiction that were not funded? If so, were projects not funded because demand outpaced funds available?

Response: All projects targeted for opioid addiction were funded.

b. How is your agency certifying that applicants receiving priority in the Community Facilities program have trained staff?

Response: The Community Facilities program will include language in its regulations that addresses the requirement for trained staff. The regulations will stipulate that in order for an applicant to receive priority for this purpose, it must demonstrate that it will employ staff that have the appropriate expertise and training in how to identify and treat individuals affected by a substance abuse emergency.

2. Please provide the Committee with a list of projects made for FY2018 and FY2019 within the Community Facilities loan and grant program. Please include the program, project amount, date awarded, awarded entity, location, and detailed project description.

Response: See attached FY 2018 and FY 2019 CF obligation spreadsheets.

3. How many Community Facilities loan and grant funded projects utilized funding for jail construction or renovation? Please provide amount, awarded entity, and location.

Response:

Program	Award Amount	Date Awarded	Award Entity	Facility City	State
Direct	$2,677,000	7/26/2018	Lincoln, Parish of	Ruston	LA
Grant	$25,000	7/31/2019	Crisp County Board of Commissioners	Cordele	GA
Grant	$52,200	8/22/2018	Mifflin County	Lewistown	PA
Direct	$7,506,000	9/12/2019	Clay County	Celina	TN

4. How many Community Facilities loan and grant funded projects utilized funding to expand existing jail capacity? Please provide amount, awarded entity, and location.

Response: Applications are reviewed and awarded on a total project level.

5. Please provide the Committee with a list of all projects made within Rural Housing Services for FY 2019. Please include the program, project amount, awarded entity, location, date awarded, and detailed project description.

Response: See attached documents.

Senator Chuck Grassley

1. Can you explain USDA's Section 502 Direct Loan Program's process for managing families and homes in rural areas who are noncompliant, delinquent, and/or default?

Response: Rural Development works with those struggling to make monthly house payments through offering assistance identified in the 7 CFR 3550. These options include payment moratoriums, payment assistance, re-amortization and delinquency workout agreements. Rural Development also offers homeowners loss mitigation assistance if the individual can no longer afford the home. These would include a short sale of the home where the Agency will accept less than the full payoff amount or a deed in lieu which allows the individual to sign over the deed to

USDA, and the Agency looks to place another qualified applicant in the home or sells it on the open market.

After all these options are exhausted to assist the homeowner, the Agency pursues foreclosure action to resolve the default. This begins with the Agency accelerating the homeowner's debt which provides appeals rights and 30 days to cure the deficiency. If a homeowner doesn't cure the default, the Agency will follow Federal and State law to complete the foreclosure action.

Senator John Thune

1. Mr. Lammers, as you know, we have some very hard to serve rural areas in South Dakota on our Indian reservations. Unfortunately, Section 502 direct loans, which help low-income families pursue home ownership, have not been utilized by Native American families on tribal lands.

a. Does RD have plans to build upon the success of this 502 relending pilot?

Response: **Two Native community development financial institutions (CDFIs) are successfully relending to Native families on trust lands. The loans to the CDFIs closed July 2019, and to date eight loans have been extended to Native families. Both CDFIs still have available funds to be loaned to other Native families. RD will conduct an assessment once all loan funds are drawn down to determine the feasibility of building upon the 502 relending pilot.**

b. Are there other ways we can increase Native homeownership through public/private collaborative efforts that are similar to this one between USDA and the Native CDFIs?

Response: **Yes. Organizations such as the Native CDFIs may become a RD-Certified Loan Application Packager or Intermediary. The purpose of the certified loan packaging process is to promote the 502 Direct program in underserved areas, counsel potential applicants on how to improve their ability to qualify for a home, and ensure that applications are complete prior to submitting them to RD. RD-Certified Loan Application Packagers and Intermediaries receive a fee up to $1,750 for assisting the applicants. Given that these organizations have close ties to the Native communities, becoming an Intermediary or Application Packager could result in more homeownership opportunities on Native lands.**

Senator Sherrod Brown

1. It is my understanding that USDA subsidizes about 7,000 rental units in Ohio. Yet, as the housing stock in parts of the state ages and communities change over time, I am worried

about the lack of quality affordable housing units in rural Ohio. What steps does USDA have in place to ensure that the supply of housing is keeping up with demand in Ohio and that we will not lose units to expiring affordability contracts?

Response: Rural Housing Services preserves Section 515 properties using the authority and appropriations provided under the Multifamily Preservation and Revitalization (MPR) Program. During Fiscal Year 2019, 17 Section 515 properties in Ohio were preserved using this program with $13,945,261 in MPR resources.

In addition, Rural Housing Service actively services all Section 515 properties to educate owners about the resources available under the MPR program and other Rural Housing Program tools available for owners to remain in the Section 515 program beyond their natural mortgage maturity dates. Rural Housing Service also provides Technical Assistance Grant funds to four national non-profit groups to market the MPR program and other preservation tools, and to assist owners interested in utilizing these resources for application preparation.

Senator Robert P. Casey, Jr.

1. The Community Facilities loan program is especially important in Pennsylvania, providing long-term low-interest financing in rural areas to support the construction, expansion, or improvement of critical facilities. These loans support essential facilities in rural areas, and are critical for eligible borrowers who are unable to obtain commercial financing at reasonable rates. I have heard from Pennsylvanians that these loans are essential in proving support for jobs and economic development in rural communities. In many rural areas, colleges may be the backbone of those small communities – providing jobs, economic development, and opportunities for growth and education.

a. Can you speak to the value that you have seen Community Facilities loans provide for institutions of high education?

Response: At USDA, we recognize that an educated and skilled workforce is essential to attracting new business, quality jobs and promoting economic prosperity. Rural higher educational institutions are often the lifeblood of rural communities and a primary employer. They help drive economic opportunity and engagement, providing access to higher education and serving as hubs of information, cultural and community life. In addition, they offer an opportunity for economic prosperity by spurring workforce development, employment, and improving social outcomes such as health and family stability.

b. Will USDA continue to provide strong support for these institutions through the Community Facilities program?

Response: Yes. USDA, through its Community Facilities Programs, remains committed to strengthening investment in higher educational infrastructure for financially viable and sustainable projects.

Senate Committee on Agriculture, Nutrition, & Forestry
Hearing on Implementing the 2018 Farm Bill: Rural Development and Energy Programs
November 7, 2019
Questions for the Record
Administrator Chad Rupe

Senator Debbie Stabenow

1. The 2018 Farm Bill made a number of changes to the Farm Bill Rural Broadband Program, including adding a grant component to the program and raising authorized funding from $25 million per year to $350 million per year.

a. Given the absence of an Under Secretary for Rural Development, who is responsible for ensuring the Farm Bill Broadband Program isn't underfunded in the President's next budget request to Congress? Will you advocate for the Farm Bill Broadband Program in the budget process?

Response: Secretary Perdue has made investing in rural broadband a priority for USDA and more specifically for Rural Development. He has been a strong advocate for our broadband programs and will continue to be an advocate because rural communities need robust, modern infrastructure to thrive, and that includes access to broadband e-connectivity.

2. During the Rural Development hearing on November 7th, you confirmed the closure of 11 rural development offices across the country.

a. Please provide a full list of all planned rural development office closures and timeline for when these offices are slated for closure.

Response: The proposed office closures are the following; RD Satellite Office at 89 Alder Street, Central Point, OR. RD Satellite Office at 3705 Miller Parkway, Manhattan, KS. RD Satellite Office at 2106 East Spruce, Garden City, KS. RD Field Office at 111 Sheckler Road, Fallon, NV. RD Satellite Office at 795 S. Haskett, Mountain Home, ID. RD Sub-Area Office at 51 Cheney Road, Woodstown, NJ. RD Local Office at 31 Wichita Drive, Nicholasville, KY. RD Local Office at 500 W. 12th Street, Suite 102, Vancouver, WA. RD Service Center at 1408 21st Ave. NW, Austin, MN.

Office closures will proceed following conclusion of the ongoing congressional notification process.

b. Please provide an explanation for the closure of each of these offices identified in 2(a).

Response: The Oregon office has been vacant since 2016 and has historically only housed one employee. The Manhattan, Kansas office has been vacant since 2015 and the Garden City, Kansas office has been vacant since

2016. The Nevada office has been vacant since 2017, the Idaho office has been vacant since 2016, and the New Jersey office is vacant. The Kentucky office is located 12 miles away from the State office, which has the space to house the 3 existing employees who will be transferred from the Nicholasville office. The Washington office houses two employees and one of those employees is planning on retiring at the end of the year. The remaining employee will establish a home office. The Minnesota office houses two employees who are in frequent travel status providing outreach or loan/grant servicing to customers across the state and will be able to utilize the Faribault area office when necessary.

c. Please explain how USDA plans to serve constituents in communities in which USDA plans to close its rural development office?

Response: Rural Development continues to have multiple offices in the states where the proposed closures are occurring. Additionally, our employees in the other field offices can identify a wide range of community and economic development resources for elected officials, business owners, families, farmers and ranchers, schools, nonprofits, cooperatives, and tribes. Customer service is not simply a matter of having an employee in a certain office, but about having a strong employee with strong customer service skills in the optimal location who is willing to engage with local leaders and communities to ensure that we are efficiently and effectively delivering our programs.

d. Please provide the number of full-time employees at each rural development office that is slated for closure. How does USDA plan to utilize these employees after their office closure?

Response: There are three full-time employees at the Kentucky office, two at the Washington office, and two at the Minnesota office. The Kentucky office employees are being transferred to the State office which is 12 miles away. One of the Washington employees is retiring at the end of the year and the other is establishing a home office. The Minnesota employees are in frequent travel status and will be able to utilize the nearby Faribault office when needed. All employees are remaining in their existing positions within Rural Development.

3. Section 6407 of the 2018 Farm Bill included language that prioritized projects dealing with emerging contaminants in their communities. Please provide the Committee with a list of all grants made under the Emergency Community and Water Assistance Grants (ECWAG) Program for FY 2019. Please include the program, project amount, date awarded, awarded entity, location, and detailed project description. Additionally, please clearly identify which projects were targeted for emerging contaminant issues.

a. Section 6407 of the 2018 Farm Bill also tasked USDA to co-lead an interagency task force on rural water quality. Please provide an update on this interagency effort and a status on the report due to Congress one year after passage.

Response: Attached is a list of projects obligated under the Rural Utilities Service's ECWAG Program in FY 2019. Twenty projects were associated with addressing a health or sanitation risk, which may include emerging contaminant issues and/or system repairs to meet new water quality standards. For example, two projects, North Walpole (NH) and Paden City (WV), addressed per- and polyfluoroalkyl substances (PFAS) issues.

The USDA Rural Utilities Service is managing the Rural Water Quality Task Force working collaboratively with Federal Agency partners, like the U.S. Army Corps of Engineers, and the U.S. Geological survey.

The Task Force is also collaborating with stakeholder organizations that include scientists, technical assistance and training providers, policy makers, researchers, advocates and other experts. The Rural Water Quality Task Force met internally and with stakeholders to address the declarations in the report mandate. The Task Force has examined and identified issues relating to water contamination in rural communities, especially those near military installations in the U.S. – and how these issues are addressed internally and across Federal Agencies.

Using this information, the Task Force is developing recommendations for how Federal, State and local Government Agencies can work together in an effective manner to address these issues. The report will provide a narrative to introduce important components of the issues, and Federal and stakeholder approaches to improving them. The report will also provide recommendations to improve interagency coordination and responsiveness to benefit rural communities. The report is being finalized in preparation for submission to Congress.

4. The 2018 Farm Bill reformed the Rural Utilities Service (RUS) Cushion of Credit program by ceasing new deposits and stepping down the interest rate paid on existing deposits from the current fixed 5 percent statutory rate to a more market-oriented rate tied to the interest rate paid on US Treasury securities beginning in FY2022. The bill authorized current depositors to withdraw deposits to prepay RUS loans without a prepayment penalty through FY 2020. Please provide the Committee with an updated data of Cushion of Credit activity since passage of the 2018 Farm Bill. Please be sure to include information on all prepayment activities and if any borrowers have fully bought out of the RUS program.

a. How many coops have taken advantage of the opportunity to pre-pay? How long has it taken to process requests to buy out of the program?

Response: The average length to complete a prepayment from initial scheduling to system update is 10 business days overall.

For FY 2019: 85 RUS Borrowers were processed for application of Cushion of Credit (COC) to prepay loan debt:

COC used for Principal:$2,206,446,870.44
COC used for Interest / Fees:$ 9,903,235.46
TOTAL COC used:$2,216,350,105.90
FFB Premiums Waived:$ 502,303,310.77
Telephone borrowers: 2 (0 were complete payoffs)
Electric borrowers: 85 (6 were complete payoffs)

b. What has been the overall impact to the electric and telecom programs?

Response: The Rural Utilities Service, the Rural Development Chief Financial Officer, the Federal Financing Bank and the Department of Treasury are in regular dialogue to carefully implement the Cushion of Credit changes resulting from the 2018 Farm Bill. We have agreed to work together to ensure that the customer experience is a positive one, even as USDA and the Department of Treasury and our respective Offices of General Counsel work to resolve complicated budgetary, legal and accounting issues related to those changes.

The effect on the electric and telecom programs have primarily been "back office" issues between the agencies, and it is the full intention of RUS to honor borrower requests as required by the new law.

5. Please provide the Committee with a list of all projects made within RUS programs for FY 2019. Please include the program, project amount, awarded entity, location, date awarded, and detailed project description.

Response: Electric, Telecom, and WEP lists are attached. However, it is important to note that WEP offers financing through direct and guaranteed loans, and grants. Most obligations included a mixture of program funds, particularly direct loan and grant monies.

Senator John Hoeven

1. According to the Federal Communications Commission's (FCC) 2019 Broadband Deployment Report, nearly 26 percent of Americans in rural areas and 32 percent of individuals on tribal lands lack access to quality broadband service, compared to only 1.7 percent of Americans in urban and suburban areas. This means that over 20 million Americans fall on the wrong side of the digital divide.

North Dakotans benefit from the great work of our many telecommunications cooperatives and companies that have utilized both USDA and FCC dollars to build out and maintain impressive fiber-to-the-home and cable networks in rural areas where it is much needed. High-quality broadband services are essential to almost every business and household.

a. Can you give us an update on provisions included in the Farm Bill related to the Rural Broadband Program?

Response: We have drafted an updated Rule for our Rural Broadband Program to implement the provisions from the 2018 Farm Bill and expect to publish that updated Rule early this year.

b. What efforts has USDA taken to ensure coordination between FCC and the National Telecommunications and Information Administration (NTIA) when it comes to improving broadband maps to accurately reflect national broadband availability?

Response: Rural Development meets regularly with both the FCC and NTIA to discuss ways to improve the mapping process and share information regarding programs and the service areas of funded projects.

c. In your opinion, what does the expansion of high-speed internet access to rural areas look like over the next 5-10 years?

Response: Over the next 5 – 10 years rural areas will need both a physical broadband connection to the premise as well as mobile broadband access. This will take strong partnerships between the private sector, state and local governments as well as government agencies. The continuation of broadband programs at USDA and FCC are important components in ensuring these needs in rural America are met.

2. I'm encouraged to see USDA's recent investment announcements through the Reconnect Program. This program will help boost access to cost-effective broadband services in rural America, which is essential to modern agriculture and every-day life. However, I've heard there are certain program requirements specific to the application process that have hindered some providers' ability to participate.

a. What has the Rural Utilities Service (RUS) done to make the application process for the ReConnect program more efficient and user-friendly?

Response: A new online application system was developed that walks an applicant through the application process. The system identifies all the necessary pieces for submitting a complete application. A very detailed application guide has also been developed.

In addition, for the first ReConnect Funding Opportunity Announcement, RUS held a number of workshops around the country as well as numerous webinars explaining the program requirements. A help desk was also available to field applicants' questions.

b. Will RUS consider including partnerships as an eligible entity?

Response: Legal partnerships such as an LLP are too easily dissolved and present security issues as well as viability concerns. Co-applicants would be a better way to accomplish partnerships and RUS is considering this for possible future rounds of ReConnect. RUS does encourage partnerships between entities to get broadband service delivered to rural area. Usually, one entity is the applicant and establishes arrangements through legally binding agreements with the other involved entities.

Senator John Thune

1. In your testimony, you state that the 2018 farm bill sets forth plans for the expansion of high-speed internet access to rural, unserved areas by providing $350 million in broadband-related funding.

In addition to that funding, the ReConnect program under RUS is announcing new awards every week.

a. Can you go into specifics about how RUS determines whether any particular location is deemed as served or unserved with broadband?

Response: RUS has developed a process where desktop research is completed prior to on-site visits to make a determination if service is available. Field reviewers then use this information to identify service providers in the proposed service area, hold interviews with residents, and contact the local providers. Local providers can also submit a challenge through the Public Notice Filing/Public Notice Response process that has been developed. When an application is submitted, RUS posts the proposed service area so incumbent providers can submit a challenge to the "service not being available." Please see the attached Service Area Validation Manual which provides a significant amount of detail on this process.

b. Does RUS account for broadband deployments that are underway and will soon result in an area being served with broadband?

Response: Unless the service is already being provided, RUS does not account for proposed construction. Without service being available to residents, it is difficult to say what a provider might be looking to make available, when proposed construction might commence, or when the system would be completed.

2. Earlier this year, I introduced the Broadband DATA Act with Commerce Chairman Wicker to address challenges with the current broadband availability maps at the FCC.

What level of coordination does RUS have with the FCC on its broadband availability maps to ensure resources are going to truly unserved areas?

Response: Rural Development and the FCC meet regularly to discuss ways to improve the broadband availability maps. RUS has provided the FCC our Service Area Validation manual that describes the process for determining if service is available in an area.

RUS also uses information provided by the FCC to help establish parameters for funding programs. For example, under the first Funding Opportunity Announcement of the ReConnect Program, USDA funding was only available in the FCC identified Connect America Fund II auction areas as loan funds to the auction winners.

Senator Patrick Leahy

1. In the FY18 Consolidated Appropriations Act, Congress provided $600 million to establish the Rural eConnectivity Pilot Program (ReConnect Program). The funding was to be used on an expedited basis. However, only a small percentage of the available funds have been obligated, while applications for funding more than exceeded the amount available. Under the grant program, entities are allowed to challenge an applicant seeking ReConnect funding, if that applicant is seeking to serve an area with 10/1 Mbps or greater broadband.

Broadband access remains one of the most significant challenges to job growth and business development in Vermont, and the state hopes to compete for funding in the future.

a. How many applications for ReConnect Grants were received by the Department?

Response: The ReConnect Program Funding Opportunity Announcement offered three products to expand and improve broadband service in rural areas: loans, combination loans and grants, and grants. USDA received a total of 146 application. There were 15 applications for $258 million for the loan product, 53 applications for $635 million for the combination loan and grant product, and 78 applications for $522 million for the grant product.

b. How many applicants used the challenge process for current broadband speeds to ensure they were eligible?

Response: Applicants did not have a choice on whether or not to participate in the challenge process. It is a program requirement that applicant's proposed service areas are posted for incumbent providers to respond to if the area is already receiving sufficient broadband service to prevent overbuild.

c. If entities applied and challenged, how many of those applicants have been awarded funding?

Response: USDA has not completed the awarding of funds under the first ReConnect Funding Opportunity Announcement. USDA has received the following Public Notice Responses (challenges);

Total # of Public Notice Responses submitted: 550
Total # of applications with Public Notice Responses: 89

d. How will USDA RUS use the information gathered from this application process to inform the next NOFA?

Response: RUS received numerous comments and recommendations detailing proposed modifications to the program requirements, scoring criteria, and application system used in the first Funding Opportunity Announcement for the ReConnect Program. RUS will use all the information available from the first round when making adjustments to the requirements and scoring criteria for the next round of ReConnect.

Senator Sherrod Brown

1. Administrator Rupe, as you know, rural America still has serious drinking and wastewater infrastructure issues. In parts of Appalachian Ohio, there are still areas that lack access to running water. In Athens County, many who lack water or are unable to pay their water bills rely on a spring-fed trough in the village of Buchtlel for clean water. So I was disappointed that the FY 20 budget proposed reducing funding for the wastewater program.

When the budget was introduced our Chairman—rightly—said it was dead on arrival. That said, I am disappointed that USDA proposed to cut funding to a program that is essential to rural Ohioans. In light of the Administration's disinterest in supporting these communities, how does USDA propose to address the more than $2b wastewater backlog across the country?

Response: All Water and Environmental Programs' prioritize projects that provide loan and grant funds for water and waste projects serving the most financially needy communities. The Rural Utilities Service remains committed to using the funds appropriated by Congress to provide grants and low-interest loans to rural America to help address various water, wastewater, and solid waste infrastructure needs. Additionally, the Rural Utilities Service routinely collaborates with an expansive network of other federal agencies and stakeholders to ensure rural areas have resources to provide clean, safe water and waste services. In FY 2019, the Rural Utilities Service invested nearly $1.8 billion in rural communities, serving 2.3 million rural residents and 372 of the 500 (74%) projects obligated addressed a health/sanitation risk.

2. In September, the State of Ohio released a report that found 300,000 households in the State lack access to high-speed broadband. And even that number doesn't paint the full picture—I've heard from many in rural Ohio that the "high speed" internet they do have is anything but. Many communities meet the criteria to apply for ReConnect funding opportunities, but may not have the staff or resources to put together an application. What is USDA doing to make sure that these communities aren't shut out of this program?

Response: We have developed an online application system to assist applicants by walking them through the necessary components to complete an application. We have also held workshops and webinars. Additionally, our field staff are available to help assist applicants and would be happy to meet with individuals/groups or participate in local community events or roundtables to help educate residents about the program and application process.

3. The Committee heard testimony from Keith Hayward about the difficulties rural electric cooperatives face in applying for ReConnect loans and grants. He outlined how labor-intensive it is to verify that at least 90% of the population in their service area lacks 10:1 mbps service. It's my understanding that USDA received 131 applications for the first two rounds of ReConnect grant and loan/grant combination opportunities, adding up to amounts that far exceed the $400 million available for those rounds. How many of these applications have been disqualified for not meeting the criteria described by Mr. Hayward? How is USDA verifying how many residents have sufficient service?

Response: USDA is still completing the service area validation reviews to determine if sufficient broadband service is available or not. The present numbers are:

Total # of Public Notice Responses submitted: 550
Total # of applications with Public Notice Responses: 89

- **Grants: 46 applications – 28 applications had service found**
- **Combos: 34 applications – 13 applications had service found**
- **Loans: 9 applications – 5 applications had service found**

RUS has developed a process where desktop research is completed prior to on-site visits to make a determination if service is available. Field reviewers then use this information to identify service providers in the proposed service area, hold interviews with residents and contact the local providers. Local providers can also submit a challenge through the Public Notice Filing/ Public Notice Response process that has been developed. When an application is submitted, RUS posts the proposed service area so incumbent providers can submit a challenge to the "service not being available." Please see the attached Service Area Validation Manual which provides a significant amount of detail on this process.

Senator Michael Bennet

1. Between 2017 and 2019, USDA awarded over $1 billion in RUS Telecom Program loans and grants. Over this period, Colorado applicants received around $1.4 million, less than 0.1% of loans and grants available. By contrast, Kentucky, which has a smaller population, received nearly $65 million, nearly 45 times the amount awarded to applicants in Colorado.

a. How does the RUS Telecom program account for the significant state and regional discrepancy in successful loan and grant applications?

Response: RUS Telecom Programs are open to most entities that are engaged in providing broadband service. Typical factors that impact the number of broadband loan and grant applications that RUS receives from a state are: the types of entities providing broadband service in rural areas, the level of broadband service already available in rural areas, and the population and population density of rural communities in that state.

b. What in the application and decision process might account for western states receiving fewer grants and loans, even though the states can have larger populations or more rural areas?

Response: In our Western states we have seen unique permitting challenges due to federal land management agencies having different criteria, priorities, and decision-making strategies for approval of the required permits. This can sometimes cause delays because in order for applicants to gain obligation and approval of funding for anything other than ReConnect and the Farm Bill Broadband program, which were given new authorities under the 2018 Farm Bill, the permits must be issued. We have noticed that many industry leaders and providers have focused their strategies on areas where they can have an impact without the burden of the federal land management permitting process.

2. For rural communities, installing broadband can be a cost prohibitive investment for local governments, while low population densities reduce commercial viability for private companies. Community Connect grants help fill this void and provide assistance to rural entities to expand broadband access. As part of the application eligibility, the proposed service areas in Community Connect grant applications are subject to a verification process by a USDA field representative to determine if qualified broadband service is available in the proposed funding area.

a. Does USDA consult with state broadband offices or public utility commissions to determine if an application's proposed service areas are unserved? If no – why not?

Response: USDA attempts to use all resources that are available to help make this determination. We have found that the best way to make a final determination is to send staff out to the proposed service area and make an on-site review of service availability.

b. How does the USDA intend to improve their consultation process to incorporate state and local feedback into their determinations?

Response: For the ReConnect Program, USDA has the state broadband office provide a description of the broadband projects that the state has funded in an applicant's proposed service area. As we work with the state broadband offices, we are seeking additional ways to incorporate state feedback without delaying the funding process.

3. The ReConnect Loan and Grant Program is a promising option for rural communities looking to expand their broadband connectivity. However, many of Colorado applicants have expressed concern that USDA's definition for "rural" is too restrictive. As "Rurality of the Proposed Funded Service Area" is the most heavily weighted section of the application, this definition significantly disadvantages rural communities with even slightly higher population densities.

a. What is USDA's justification for this definition of "rural?"

Response: The current definition of rural for the ReConnect program was established by Congress.

b. On the application, why are points in the "Rurality of Proposed Funded Service Area" category awarded on an "all or nothing" basis?

Response: We elected to see how the current rurality scoring would work before considering other options. At this time, we have received numerous comments and recommendations on this requirement, and we will change this section for the next Funding Opportunity Announcement to allow for more flexibility for areas with higher population densities.

c. Is USDA open the amending the definition to be more inclusive of large, rural, western states?

Response: The current definition of rural was established by Congress and any changes would need to be made by statute.

Senator Robert P. Casey, Jr.

1. Can you provide any further updates on implementation of the Rural Broadband Program and the ReConnect Program and sat RUS, including any challenges that you've observed co-ops running into to maintain their tax exempt status?

Response: With the change in the tax laws making grant funds count as revenue, certain entities such as electric coops are concerned with losing their tax-exempt status. This can have an impact on an applicant's decision whether to apply for RUS funds or not. In some cases, the loss of the tax-exempt status could cost more than the amount of the award.

2. Many communities across the country, including in Pennsylvania, are facing serious water contamination issues from PFAS chemicals. I am glad that the farm bill included provisions to Rural Water and Wastewater Technical Assistance and Training Programs to clarify that these funds can be used to address the contamination of drinking water and surface water supplies.

a. Can you provide an update on USDA's efforts to ensure projects rural water and wastewater projects are supporting these efforts?

Response: All Water and Environmental Programs' projects are prioritized to provide loan and grant funds for water and waste projects serving the most financially needy communities. In addition, projects financed to alleviate documented health and sanitary issues are given additional priority points. The Rural Utilities Service cooperates fully with state and local agencies, as well as stakeholders, in making loans and grants to maximize financing and technical assistance to rural communities. For example, the Rural Utilities Service and Rural Development Pennsylvania Office invested $49.3 million in loans and $13.7 million in grants in rural Pennsylvania communities in FY 2019. These projects included system/plant upgrades for South Wayne County ($6.2 million loan, $4.2 million grant), Barkeysville Municipal Authority ($2.0 million loan, $2.1 million grant) and West Sunbury Borough Municipal Authority ($256,000 loan, $369,000 grant),

All facilities financed by the Rural Utilities Service are designed, installed and operated in accordance with applicable laws that include, but are not limited to, the Safe Drinking Water Act, Clean Water Act and the Resource Conservation and Recovery Act. In FY 2019, 74% of water and waste projects addressed a health or sanitation issue. This includes projects under the Emergency Community Water Assistance Grant Program, specifically designed to address emergencies and disasters that threaten potable drinking water supplies.

The Rural Utilities Service has an extensive water and waste technical assistance and training grant program that cultivates partnerships in multiple aspects of water quality. The Technical Assistance and Training Program helps qualified, private nonprofits provide technical assistance and training to identify and evaluate solutions to water and waste concerns. It also helps applicants prepare applications for water and waste disposal loans/grants, and helps associations improve the operation and maintenance of water and waste facilities in eligible rural areas. Grantees like the American Water Works Association, National Rural Water Association, Rural Community Assistance Partnership and Community Engineering Corps leverage their local, state and national networks to serve as extensions of the USDA's support to rural systems.

In addition, the Rural Utilities Service's Circuit Rider Program provides technical assistance to rural water systems that are experiencing day-to-day operational, financial or managerial issues. Circuit Riders can also conduct critical repairs and are first- or second responders in emergencies impacting water and wastewater operations. The National Rural Water Association currently administers the Circuit Rider Program.

The Household Water Well System Grant Program, now called the Decentralized Water Systems Grant Program under the new Farm Bill, helps

qualified nonprofits and tribes create a revolving loan fund to increase homeowners' access to clean, reliable water for households in eligible rural areas. Individual septic systems will be included in 2021.

b. How are you coordinating with other agencies to address these serious public health concerns?

Response: All projects are designed to comply with each State's regulatory Agencies as well as U.S. Environmental Protection Agency (EPA) standards. The Rural Utilities Service works collaboratively with the EPA at national and state levels to address water and waste infrastructure needs, provide technical assistance to rural systems, and develop strategies to fill workforce gaps in the water industry.

For example, the EPA and Rural Utilities Service jointly developed and administer an initiative to promote sustainable rural water and wastewater systems, to include system-wide planning that incorporates sustainability goals; system partnerships that share and distribute resources and tools; recruitment and stabilization of the water workforce to fill critical skill gaps; and compliance with drinking water and clean water standards. In FY 2019, the Rural Utilities Service signed an interagency MOU on EPA's Reducing Lead in Drinking Water in Schools and Childcare Centers.

The Rural Utilities Service similarly partners with multiple Federal Agencies to leverage funding and jointly finance projects, including those that address water quality issues in rural America. Examples include EPA's State Revolving Funds, the U.S. Department of Housing and Urban Development's Community Development Block Grant Program and the U.S. Department of Health and Human Service's Indian Health Service.

The Rural Utilities Service's field offices are critical partners with state and local agencies to address water quality concerns, mirroring the USDA-EPA national collaborative efforts at the local level. Working with technical assistance providers such as the National Rural Water Association and Rural Community Assistance Partnership, the Rural Utilities Service can deploy local resources to provide much-needed technical assistance to communities. Rural Development field offices, including State Directors, also serve on water councils and boards across the nation to contribute to local strategic planning activities for water and waste infrastructure.

Senate Committee on Agriculture, Nutrition, & Forestry
Hearing on Implementing the 2018 Farm Bill: Rural Development and Energy Programs
November 7, 2019
Questions for the Record
Mr. Bryan Sievers

Senator Debbie Stabenow

1) Your testimony spoke to the importance of USDA's energy programs, especially in times of uncertainty surrounding ongoing trade wars, a down farm economy, and the Trump Administration's misguided biofuels policy. What can USDA do to better prioritize and support farmers in their transition to renewable energy?

RESPONSE:
Senator, in general, the USDA energy title programs are well administered. However, nothing is perfect and there is always room for improvement. Ensuring that farmers know about all available programs and understand their relevance and value to their farming operation is critical. Improved information outreach and education could help in that regard. Additionally, ensuring that should a farmer desire to apply to USDA's renewable energy programs, that the application process is as transparent and streamlined as possible. Finally, guaranteeing that the process of selection/award is a fair as possible. Right now, the REAP program is very weighted to technologies other than digesters. Our industry is not able to compete with smaller dollar projects which allow more money to be spread out in one state. We recommend implementing a systemic remedy for reallocating these dollars so that larger projects, such as digesters, do not remain undersubscribed within these programs.

2) We have heard from dairy and livestock producers regarding the high barriers of adoption for anaerobic digester systems on their farms. Impeding this deployment includes high financial costs, a lack of operational knowledge, and difficulties integrating into the energy grid. Can you share your farm's success story with digesters and the role USDA played in helping you achieve this goal? How might USDA better fill the educational gaps and facilitate connections with local utilities?

RESPONSE:
We have certainly encountered most, if not all, of the high barriers to adoption of on-farm anaerobic digestion. The key to solving many of these challenges is to make sure adequate design and engineering of each farm's specific situation is considered before construction starts. In addition, the industry is doing a much better job of training digester operators through, for example, the American Biogas Council's Digester Training short courses that are held around the country throughout the year. Working with USDA to incentive producers or prospective anaerobic digester developers, owners, and operators to participate in these training programs is one suggestion we would like to make. When we built our AD facilities and commissioned in 2013, we

were fortunate to receive a $500,000 REAP, $300,00 in EQIP grants, and participated in the BCAP program, as well. One suggestion we would like to make is for Congress to provide the discretionary funding for the BCAP program again so we, and other AD owners/operators can participate in this outstanding program by using biomass such as corn stover, perennial grasses, and cover crops and be rewarded for the value these practices bring to by improving soil health, water quality, and our environment. With regard to your question about how to facilitate connections with utilities we do believe they are doing a much better job about trying to learn how renewable electricity and renewable natural gas can provide direct and indirect benefits to the operation of their power plants and meet the needs of its customers who are asking for more renewable energy to be brought to the grid or pipeline distribution systems. We would encourage USDA and the Department of Energy to implement programs that reach out to our nation's utilities to educate and inform them about the tremendous beneficial aspects of renewable energy production, especially from biogas which can produce both renewable electricity and renewable natural gas, and how it can be integrated into their distribution and transmission networks. From this discussion we may learn about the roadblocks or challenges the utilities are facing that prevent them from integrating more renewable energy into their distribution and transmission systems and our nation's pipelines.

Senator Amy Klobuchar

1) Renewable energy is an important economic development tool in rural areas, but it also helps improve the environment and makes our country more energy independent.

RESPONSE:
We couldn't agree more Senator! Not only are there tremendous economic development opportunities available through renewable energy production, especially on-farm anaerobic digestion, but the benefits we derive from these efforts improve our soil health, water quality, and our environment. Creating a more energy-independent economy provides long-lasting benefits especially when those renewable energy efforts are focused in our rural areas. Anaerobic digestion of livestock wastes, food waste, and other agricultural-processing wastes like we use in our digesters allows us to capture and sequester carbon and other essential nutrients that help produce the feed and food for America's consumers, along with consumers throughout the world. Additionally, the pathogen destruction that occurs with anaerobic digestion and the composting of the separated solids provides tremendous health benefits through improved water and air quality.

2) How can the Department of Agriculture's renewable energy programs create opportunities for farmers and improve the quality of life in rural areas, especially given the recent low prices, natural disasters, and uncertainty with trade markets?

RESPONSE:
When we built our AD facilities and commissioned them in 2013, we were fortunate to receive a $500,000 REAP, $300,00 in EQIP grants, and have participated in the BCAP

program, as well. One suggestion we would like to make is for Congress to provide the discretionary funding for the BCAP program again so we, and other AD owners/operators, can participate in this outstanding program by using biomass such as corn stover, perennial grasses, and cover crops and be rewarded for the value these practices bring to by improving soil health, water quality, and our environment. We would also encourage the USDA and Department of Energy to reach out to our utilities to research, educate, and inform them about how they can integrate renewable energy from anaerobic digester facilities into the grid or our intrastate and interstate pipeline distribution network. The utilities are doing a much better job about trying to learn how renewable electricity and renewable natural gas can provide direct and indirect benefits to the operation of their power plants and meet the needs of its customers who are asking for more renewable energy to be brought to the grid or pipeline distribution systems. We would encourage the USDA and the Department of Energy to implement programs that reach out to our nation's utilities to educate and inform them about the tremendous beneficial aspects of renewable energy production, especially from biogas which can produce both renewable electricity and renewable natural gas, and how these forms of renewable energy can be integrated into their distribution and transmission networks. From these discussions we may learn about the roadblocks or challenges the utilities are facing that prevent them from integrating more renewable energy into their distribution and transmission systems and our nation's pipelines.

Senate Committee on Agriculture, Nutrition, & Forestry
Hearing on Implementing the 2018 Farm Bill: Rural Development and Energy Programs
November 7, 2019
Questions for the Record
Mr. Michael Stanley

Senator Debbie Stabenow

1. During your testimony, you mentioned how you have utilized USDA funding to expand access to telemedicine services. You stated: "Through telemedicine, our behavioral health providers have access to all of our primary care clinics as well as all of our school-based health centers." Please describe the types of services you are able to provide through telehealth in schools. What have the results been?

   Grace Health began providing telehealth in our school based health sites in September 2019. We began with primary care as our first service offered via telehealth because we have a strong infrastructure of school nurses in place to support the Nurse Practitioners who provide these serves. We expect to begin providing behavioral health consultation in the spring semester now that every primary care clinic site also has equipment. As part of our quality of care standards we screen students ages 12 and older for depression. If the students should score high on this screening, our nurse practitioner can contact the behavioral health staff for consultation and make the "warm hand off" introduction for further assessment, diagnosis and treatment. Similarly, if a student presents in crisis, our staff could make the same immediate connection with behavioral health staff via telehealth. Because the local community hospital also has telehealth equipment, students could receive an immediate assessment regarding the need for hospitalization without having to be driven to the hospital by law enforcement, which is what typically happens in these situations in our outlying counties.

   The results thus far have included more immediate treatment for primary care issues including the opportunity for assessment, diagnosis and intervention in a more timely manner. Nurse practitioners can e-prescribe medications which can be picked up by parents as soon as they are able. Because we do not have a nurse practitioner at every school, every day, telehealth allows us to offer access to services at every school without parents having to transport children to the closest provider. As a result, parents have reduced travel time and reduced time off work. We anticipate that during flu and strep throat outbreaks, we can be more responsive to the individual school needs to help prevent or alleviate the impact of these viruses on school attendance and even school closure. Early intervention via telehealth will be key as we work with five rural school districts that feel the impact of lost school time for students and staff.

   Currently, our behavioral health team is utilizing telehealth between our primary care clinic sites only.

2. I have a bipartisan bill with Senator Capito to provide new funding to school-based health centers and recognize the full range of services they provide. What other services would you like to offer or improve on if you had long-term funding certainty?

    - Expanded health education for students in classrooms
    - More preventative health services beyond well child exams
    - Smoking and E-cigarette prevention and cessation programs
    - Education about vaping
    - Alcohol, tobacco, and drug use assessments for adolescents
    - Comprehensive depression screening for adolescents
    - Obesity screening and nutritional counseling
    - Physical activity and cardiovascular health in students
    - Mentor programs for single parent household to do fun physical activities
    - Dyslipidemia screening for students
    - Hemoglobin screenings for all students at risk of diabetes / obesity
    - Lead screening for students at risk of exposure
    - Sexual transmitted infection prevention, counseling and screening for adolescents at risk
    - Medication management consultation for children and their parents for new medications for diabetes or other health and behavioral health issues (depression, ADHD, etc.)
    - Care coordination for students released from hospitalization back to the school or from residential treatment settings back to the community who need follow up appointments

Senator Robert P. Casey, Jr.

1) In Pennsylvania 48 of our 67 counties are rural. I hear firsthand of the difficulty our rural communities face recruiting providers and I appreciate the important role telemedicine plays in providing rural communities with access to critical services. This rings especially true for our rural seniors and people with disabilities, who often need specialized care. Nevertheless, telemedicine is not a substitute for quality face-to-face supportive services, like the services provided through Area Agencies on Aging and Centers for Independent Living. In your testimony you mention that Grace Health improved patient engagement by providing supportive services and warm-handoffs.

    a. Could you discuss the important role of community organizations, like Area Agencies on Aging and Centers for Independent Living, in bridging the gap

between telemedicine and face-to-face direct services for seniors and people with disabilities in rural communities?

The advances in telemedicine equipment and the quality of the interaction between the provider and the patient has improved greatly over the past few years. Equipment has also become much more user-friendly for both the provider and the patients. With that said, the human aspect remains an essential aspect of high quality health care. Supportive community-based programs can play a key role in bridging this gap. Patient navigation, including helping patients get to appointments and following up with patients at home are vital to keeping seniors and persons with disabilities in the community. A navigator has the opportunity to build a strong relationship with the patient and provider to increase comfort with the telehealth equipment and process. Transportation provided by these agencies is also essential to help patients keep appointments that might be critical to their overall health status and allow them to remain at home or in the community. For example, Grace Health has patients that might have to travel over an hour an hour a half for a specialty referral or a surgery in Lexington, the closest large city. Many patients don't have transportation to make this long drive and others don't want to leave their home community to go to the city where they have to deal with lots of traffic, one-way streets and an intimidating maze in the larger hospital or doctor's office. With drive time, wait time, and time spent with the provider it often amounts to a full day event. These barriers can be mitigated by telehealth. Grace Health as telehealth equipment in of its clinics and school based sites in five counties. Patients could schedule a telehealth visit with the specialist / surgeon and simply travel to the closest clinic location with enabling support for transportation and care navigation.

As telehealth regulations continue to change with the advances in technology and access to broadband / access to the internet increases, supportive program could be key to home monitoring programs using telehealth. As partners with the primary care provider, seniors discharged from nursing homes that need at-home follow-up, persons with disabilities, persons with chronic conditions, etc. could be more closely monitored to increase early intervention and prevent conditions from worsening.

Senate Committee on Agriculture, Nutrition, & Forestry
Hearing on Implementing the 2018 Farm Bill: Rural Development and Energy Programs
November 7, 2019
Questions for the Record
Dr. Jeff Dwyer

Senator Debbie Stabenow

***Q1**: During your testimony, you mentioned that MSU Extension has partnered with national agricultural organization (i.e. National Farmers Union and American Farm Bureau Federation) to disseminate educational material and resources regarding farmer stress. You also mentioned that MSU Extension is training certain staff at these organizations to extend the reach of the MSU farmer stress education program. Can you describe how USDA can aid MSU Extension in disseminating your research and educational material around farmer stress management? What role can the federal government play in raising awareness about farmer stress and other emerging rural health issues?*

Since 2016, Michigan State University (MSU) Extension has been delivering two farm stress management workshops in Michigan—one focused on those who work and communicate with farmers and another for farmers. In January 2019, we hosted a national summit on farm stress management to help teach Extension professionals in other states how to apply this curriculum using their own experts. Since that time, 17 states have implemented these programs. Evaluations show that program participants were better prepared to communicate with stressed farmers, learned how to listen empathically, and felt better prepared to talk with and offer resources to someone who expresses thoughts of suicide.

Building off the success of these workshops, the Farm Service Agency (FSA) partnered with MSU Extension to create online and in-person trainings for FSA employees. In the spring and summer of 2019, 483 FSA employees received training online in farm stress management. Additionally, 424 FSA employees received in-person training. Currently, MSU is creating a revised online training for members of the American Farm Bureau Federation, National Farmers Union and Farm Credit Council. This revised training builds on the success of past programs and brings the content to new audiences. USDA can help MSU Extension tell this story of successful programming and outcomes for our state residents and national partners. MSU Extension has developed and tested resources and training programs to share with other organizations interested in reaching farming audiences.

USDA can aid MSU Extension in disseminating our farm stress management resources by first becoming aware of the resources and then becoming familiar enough with the current available content to promote the materials to others. There is also great potential in new resources that can be created by MSU Extension based on current capacity and talents.

The federal government can play a role in raising awareness about farm stressors and other emerging rural health issues by promoting and funding collaborative projects for teams of

agriculture, farm finance and health professionals. In communities, this looks like implementing effective prevention strategies and interventions to mitigate impacts of farm stress. This type of work takes interdisciplinary approaches and expertise. Stressors outside of one's control (e.g., weather, tariffs) contribute to the most distress; yet, people can learn stress management techniques. Interventions are needed for individuals and family situations to reduce the impact of geographical isolation and fewer resources in rural areas. With your assistance, we can better help communities reduce stigma and create access to mental health resources.

Public policy needs to address the health of the agricultural workforce. We know that farm work is dangerous, hard labor with long hours, often alone, that can be isolating. We have government programs and funding to prevent on-farm injuries and disabilities; now we need these programs and resources for mental health. Rural areas where farming takes place have lower access to behavioral health care. Even farmers with health insurance coverage pay for this out-of-pocket and do not always have access to behavioral health benefits. Government, universities and the Cooperative Extension Service (CES) need to work together to end the stigma that limits access to care. We can help people develop their skills to raise awareness of signs and symptoms of stress. If we help people acquire skills to step in when they see issues in others or self, then we can contribute to stress management and ultimately prevent suicide.

Other interdisciplinary efforts include having agriculture and health professionals work together to help farm families in the succession, transfer or loss of their farm (specifically bankruptcy). Current agriculture policies help with crop risk, but now we need to focus on human health risks. Programs and resources are needed to assist people to manage their stress and to communicate with others. Cooperative Extension, including MSU Extension, is well-positioned to provide these types of wrap-around programs for our farming communities in rural areas.

***Q2**: MSU Extension is doing some really innovative work in areas that aren't traditionally thought of as Extension services – healthcare for example. Your testimony highlighted how our famers and rural families are in need of better services to deal with many health issues ranging from injury and addiction to stress induced disease, and mental health. Please describe the work MSU Extension is doing in Michigan to fill the gaps in healthcare provided to rural communities? How can we use MSU's experience with this model to address health related issues in rural communities in other states?*

Cooperative Extension Service professionals throughout the country work in numerous areas that impact the social determinants of health—defined by the World Health Organization as "the circumstances in which people are born, grow up, live, work and age, and the systems put in place to deal with illness." Adequate incomes, jobs, affordable housing, quality education, health services, and many other social and economic factors directly impact individual and population health. Often, rural residents are disadvantaged in these areas. MSU Extension has a conscious recognition community and economic development, youth success, agriculture and nutrition education can make an extraordinary difference in the overall health of community members.

In my written testimony, I explained that MSU Extension's recent experience in mental health and community behavioral health builds on our 100-year reputation of serving rural audiences through agriculture education programs and models the emerging role that CES should play in both rural and urban communities. The Affordable Care Act suggested that community-based healthcare delivery could be *modeled* after the CES. The Michigan State University Extension approach, alternatively, maintains that the CES *is* the ideal vehicle for facilitating community engaged, health-related research and care delivery because of its proven track record, existing budget, statewide presence, a staffing structure that includes content experts in human health, and well-developed, local community partnerships. We are not therapists, psychologists or doctors, but we are trusted partners whom farmers lean on. Education around these issues is best received when our faculty and staff members who work in these areas walk into agriculture audiences shoulder-to-shoulder with our MSU Extension agriculture staff members who have existing, trusted relationships with farmers.

Senator Robert P. Casey, Jr.

I understand there is tremendous variability in Extension from State to State. And that is by design because Pennsylvania is not Louisiana is not Alaska.

***Q1**: I understand that Rural Development has become a higher priority at MSU and in some other states – why is that?*

Our approach is based on the recognition that social and economic factors continue to be the best predictors of health and quality of life for individuals, families and communities, especially in rural areas. Hence, we have invested significant resources in rural development in ways that, like most states, varies significantly by region. Michigan was part of a "Stronger Economies Together"—a national pilot program between USDA Rural Development (RD) and a collection of state Cooperative Extension Services. This rural economic development initiative provided an introduction between participating CESs and USDA RD, and teed-up a true collaboration. Since that initial partnership, MSU Extension staff and RD staff have continued to work together on other critical rural issues, including housing, rural broadband, and community vitality. Collectively, our CES staff members that participated in this program across the country know and trust each other. They often jointly conduct outreach activities, and routinely make cross references, as appropriate. As such, we are strong stewards of the federal funds we collectively receive.

***Q2**: What would it take to get other states to prioritize rural community and economic development within their Extension system?*

The agricultural sector represents a legacy stakeholder group for the CES. A strong agricultural community, however, is also dependent on a strong rural economy. Michigan State University

Extension has long recognized this interdependency, and through strong state and county funding, has made the necessary staffing investments to offer a robust collection of community and economic development education and training programs that are contributing to greater vitality. These programs range from enhancing tourist economies to developing small business infrastructure in regions that have limited resources. Many other states have made similar local investments, but it varies across the CES network. While federal and state CES funding has remained relatively flat the past decade, we have been successful in identifying other funding partners (e.g., local community foundations, local economic development agencies, workforce development organizations) to provide additional resources to build the necessary capacity to be an effective resource for rural places. Our advice to our colleagues who have been less active in this space is absent of increased federal funding, think of creative partnerships that can grow your staffing investment and expertise. Concomitantly, effectively addressing economic challenges facing rural America requires a holistic approach that triages the collective expertise of the CES system, including leadership development, health and well-being, and housing/financial literacy.

***Q3**: What do you see as the role of the Cooperative Extension System in advancing a 21st century approach to community and economic development, and by that I mean an approach that goes beyond business attraction and resource extraction to focus on local enterprise and ownership, building inclusive wealth and improving overall health and well-being? What could this body do to make it easier for Cooperative Extension to be a partner in this work?*

One clear advantage for most CES programs is that we have a statewide footprint, actually live and work in the communities that we serve, and have a 100+ year history of adapting to the needs of communities. Because of the longstanding support from this committee, the USDA/NIFA and many others, these factors provide a structural advantage for impacting rural community and economic development that should be enhanced. In many states, including Michigan, the CES has been a leader in community-based entrepreneurship and inclusive wealth building that enhances both community and individual health and well-being. From entrepreneurship trainings to connecting aspiring entrepreneurs to campus-based resources (such as the MSU Product Center, which assists food entrepreneurs), and from data-driven regional economic development trainings to financial literacy coaching and workforce development initiatives, Cooperative Extension is uniquely positioned to be a leader and catalyst in new economy approaches to greater vitality and well-being. Numerous other federal agencies, such as USDA Rural Development, Health and Human Services, Small Business Administration, and others, can and should be important partners in this critical work. Incentivizing creative federal and state CES partnerships that spur innovative approaches to wealth creation can further advance local and regional initiatives designed to equip communities for the new economy realities. The Michigan State University Extension approach, alternatively, maintains that the CES is the ideal vehicle for facilitating the development and implementation of community-based programming well beyond the traditional youth and agricultural programs that have been its history. Yet, in my time as Director of MSU Extension, I have witnessed the extent to which CES is unknown to many, and known for only one or two areas of emphasis by those who are informed. Your support for helping to inform other

agencies, colleagues and constituents about the work of CES and the potential for addressing issues that effect individuals, families and communities would be very impactful. In addition, encouraging other agencies (e.g., NIH, CDC, DOD, DOE) to explicitly include CES partnerships and collaborators in funding opportunities would establish a mechanism for further realizing the potential for the CES.

# # # #

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
ALABAMA	ALABAMA STATE ASSOCIATION OF COOPERATIVE	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/25/19	0	174,724	0	Rural Development funds will be used to provide technical assistance.
ALABAMA	ASHFORD DOWNTOWN REDEVELOPMENT AUTHORITY	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	59,600	0	The purpose of this project consists of completing a comprehensive master plan for the redevelopment of the downtown area of the City of Ashford, Alabama. The project will include recommendations from a consulting firm regarding economic development and a plan of action for the downtown area.
ALABAMA	AUBURN UNIVERSITY	RBOG	RBCS DEVELOPMENT GRANT	06/26/19	0	47,562	0	Rural Development funds will be used for a feasibility study with a long term goal of the future development of an Alabama greenhouse vegetable industry.
ALABAMA	AUBURN UNIVERSITY	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	99,940	0	Rural Development funds will be used for technical assistance to develop technical and safety skills and increase business knowledge for Green industry business sector.
ALABAMA	BRUNDIDGE, CITY OF	RBEG	PERSISTENT POVERTY RBCS BUSINESS ENTERPRISE GRANT	06/27/19	0	100,000	0	The purpose of this project is for revitalization of an existing building to be used for a retail business incubator in Brundidge, Alabama.
ALABAMA	BUCHANAN HARDWOOD FLOORING COMPANY, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/28/19	0	19,525	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED Lighting at a flooring company owned by Buchanan Hardwood Flooring Company,LLC. Buchanan Hardwood Flooring Company, LLC is located in Aliceville and manufactures top quality red oak and white oak flooring. This project will save $33,459 per year, and will save 477,980kWh (71.19%) per year, which is enough electricity to power 50 homes.
ALABAMA	CAMDEN, CITY OF	RBEG	PERSISTENT POVERTY RBCS BUSINESS ENTERPRISE GRANT	06/17/19	0	128,229	0	Funds will be used to purchase restaurant and HVAC equipment for a locally owned restaurant located in Camden, Alabama. The project will also create 4 new jobs. Camden, Alabama is located in Wilcox County which is a high unemployment, high poverty, and persistently poor county.
ALABAMA	CENTRAL ALABAMA REGIONAL PLANNING & DEVE	RBOG	RBCS DEVELOPMENT GRANT	06/27/19	0	54,438	0	Rural Development funds will be used to conduct a feasibility study to determine if a new interstate interchange in Autauga County is feasible. The expansion could lead to convenience and economic development to a rural area.
ALABAMA	CHILDERSBURG, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	06/26/19	0	95,000	0	Rural Development funds will be used to remove and replace a roof on an existing building that will be used for a restaurant.
ALABAMA	CIRCLE OF CARE	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	99,000	0	Rural Development funds will be used for renovations to an existing building that will house a business incubator.
ALABAMA	COASTAL FOREST RESOURCES COMPANY	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	08/01/19	0	81,327	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting at a sawmill owned by Coastal Forest Resources Company in Chatom. The applicant has been in business for over 70 years and produces top quality plywood, lumber, and treated wood products. This project will save $108,577 per year, and will save 1,369,272 kWh (58.29%) per year, which is enough electricity to power 50 homes.
ALABAMA	CRAIG FIELD AIRPORT & IND. AUTHORITY	RBEG	PERSISTENT POVERTY RBCS BUSINESS ENTERPRISE GRANT	06/27/19	0	185,809	0	Funds will be used to assist with the Revitalization of the Flight Line at Craig Field. In phase 1, the Industrial Authority will remove six (6) building foundations. Phase 1 will allow the site to bring in new businesses. Creating about 75 new jobs.
ALABAMA	DECATUR MORGAN COUNTY ENTREPRENEURIAL	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	99,750	0	Rural Development funds will be used to provide technical assistance training for agricultural technology. The training will focus on the forestry, fishing and hunting industry.
ALABAMA	FEDERATION OF SOUTHERN COOPERATIVES	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/24/19	0	200,000	0	Rural Development funds will be used to provide technical assistance.
ALABAMA	GAYLON DRAKE CPA	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	7,182	0	This Rural Development investment will be used to purchase and install a 7.68kW solar array (solar panels) at Gaylon Drake, CPA. The applicant is a locally owned accounting firm owned by Galyon Drake. The office is located in Cullman and specializes in tax preparation and payroll services. This project will save $1,164 per year and will replace 10,565 kWh (27.21%) per year, which is enough electricity to power 1 home.
ALABAMA	GULF COAST AUTOMATION SOLUTIONS LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	10,525	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting at a machining facility owned by Gulf Coast Automation Solutions, LLC in Bay Minette. This project will save $11,389 per year, and will save 54,236kWh (57.85%) per year, which is enough electricity to power 5 homes.

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ALABAMA	GUNTERSVILLE FEED STORE, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/31/19	0	35,712	0	This Rural Development investment will be used to purchase and install a 56.08kW solar array (solar panels) at Guntersville Feed Store. The feed store is located in Guntersville and specializes in farming, livestock, garden, and agricultural supplies. This project will save $9,725 per year and will replace 80,377 kWh (100%) per year, which is enough electricity to power seven homes.
ALABAMA	HARRIGAN LUMBER COMPANY, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/13/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the installation of a new air compressor at a sawmill owned by Harrigan Lumber Company in Monroeville. This project will realize $27,804 per year in savings, and will save 398,506kWh (43.88%) per year, which is enough electricity to power 38 homes.
ALABAMA	JACKSON COUNTY 21ST CENTURY COUNCIL	RBEG	RBCS ENTERPRISE GRANTS	06/20/19	0	125,000	0	0
ALABAMA	JASPER LUMBER COMPANY,INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/07/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the installation of a new air compressor at a sawmill owned by Jasper Lumber Inc.,in Jasper. This project will realize $82,873 per year in savings, and will save 1,035,915kWh (66.98%) per year, which is enough electricity to power 95 homes.
ALABAMA	LEEHAN AMERICA, INC.	BI	GUARANTEED B&I 3% FEE LOAN	09/27/19	10,000,000	0	0	This Rural Development investment will be used to refinance existing debt. The borrower's debt service will be reduced, resulting in improved cash flow.
ALABAMA	LEWIS BROTHERS LUMBER COMPANY	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/31/19	0	28,745	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting at a sawmill owned by Lewis Brothers Lumber Company in Aliceville. Lewis Brothers Lumber Company has been in business for over 70 years and produces top quality lumber and hardwood flooring. This project will save $39,840 per year, and will save 505,575kWh (67%) per year, which is enough electricity to power 50 homes.
ALABAMA	MARENGO COUNTY COMMISSION	RBEG	RBCS ENTERPRISE GRANTS	07/16/19	0	145,500	0	Funds will be used to resurface a parking lot at the Marengo County Business Incubator located in Linden, Alabama. The project will potentially create 19 new jobs. Marengo County is a persistently poor, high poverty, and high unemployment county.
ALABAMA	MCGEE LUMBER COMPANY, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	6,459	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting at a sawmill owned by McGee Lumber Company in Aliceville. McGee Lumber Company has been in business for over 29 years and produces top quality lumber. This project will save $11,133 per year , and will save 111,330kWh (67.53%) per year, which is enough electricity to power 11 homes.
ALABAMA	MCSHAN LUMBER COMPANY	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/06/19	0	19,562	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the installation of a new air compressor at a sawmill owned by McShan Lumber in McShan. This project will realize $34,197 per year in savings, and will save 431,715kWh (43.88%) per year, which is enough electricity to power 40 homes.
ALABAMA	MONROE BUSINESS VENTURES, LLC	VAPG	VALUE-ADDED PRODUCER DVLP GRANTS-DISCR	06/20/19	0	142,000	0	Working capital funds will be used to expand the wine processing operation and grow the market.
ALABAMA	NORTH ALABAMA FABRICATING COMPANY, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	08/01/19	0	232,849	0	Grant funds will be used to offset the costs associated with installing a PV solar system. The project projects to generate 1,287,260 kwh per year.
ALABAMA	PEAK FARMS INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/25/19	0	7,981	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of new tube fans and adding insulation for poultry houses owned by Jerry Peak near Chancellor. This project will realize $9,380 per year in savings, and will replace 75,124 kWh (17.85%) per year, which is enough electricity to power 7 homes.
ALABAMA	SHOALS ENTREPRENEURIAL CENTER, INC.	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	115,500	0	Digital literacy training for small companies in Florence, Sheffield, Tuscumbia, Muscle Shoals, AL and in Marion County and Franklin County AL.
ALABAMA	SKEGEE TRAVEL CENTER, LLC	BI	GUARANTEED B&I 3% FEE LOAN	05/03/19	5,000,000	0	0	0

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ALABAMA	SOUTH ALABAMA ELECTRIC COOPERATIVE	REDLG	PP-REDL-ELECTRIC REDL - FINANCING (ELECTRIC) - LOAN	09/06/19	0	0	1,000,000	This Rural Development investment will be used by South Alabama Electric Cooperative to provide a zero-interest loan to the Industrial Development Board for the City of Troy (Troy IDB). The Troy IDB will use the funding to assist in site preparation and construction of a new manufacturing facility the IDB will lease to Kimber, Inc. The total project cost is $42,629,000 and consists of this $1,000,000 loan (site prep and construction), $15,200,000 from the Troy IDB (bank line of credit for site prep and construction), and $26,429,000 from Kimber for equipment and facility build out. This project will create 366 new jobs with an average wage of $46,363.
ALABAMA	SOUTH ALABAMA ELECTRIC COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	09/06/19	0	243,634	0	This Rural Development investment will be used by South Alabama Electric Cooperative to provide a zero-interest loan to the Industrial Development Board for the City of Troy (Troy IDB). Troy IDB will use the funding to assist in the expansion of the Troy Industrial Park, to re-route the existing access road and extend and upgrade water and sewer lines to serve new industrial sites. The total project cost is $1,081,113 and consists of this $243,634 grant, $60,000 loan from South Alabama Electric Cooperative, and $777,479 from the Troy IDB. This project will create 366 new jobs with an average wage of $46,363.
ALABAMA	THE CATALYST CENTER FOR BUS & ENTREPRENE	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	74,831	0	Rural Development funds will be used to provide skills, website, leadership training, as well as computer literacy and social media training to workforce for small businesses.
ALABAMA	THE UNIVERSITY OF ALABAMA	REAR	RENEWABLE ENERGY DEVLP ASSISTANCE GRANTS	03/27/19	0	60,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy system improvements to their operations. Project funds will be used to conduct approximately 26 renewable energy site assessments for rural small businesses and agricultural producers in the state of Alabama. Assistance will be in the form of renewable energy technical assistance and/or renewable energy site assessments.
ALABAMA	TRMC OFFICE BUILDING I, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/03/19	4,143,750	0	0	B&I Guarantee Loan Funds will be used to finance the construction of a medical office building.
ALABAMA	WEIGH-TEC, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	08/01/19	0	49,795	0	This Rural Development investment will be used to purchase and install a 49.92kW solar array (solar panels) at Weigh-Tec located in Decatur. Weigh-Tec has been in business for over 25 years and is a full-service industrial scale company that manufactures truck and rail scales. This project will save $8,485 per year and will replace 70,710 kWh (100%) per year, which is enough electricity to power six homes.
ALABAMA	WILLIAMSON CATTLE COMPANY	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	08/02/19	0	124,972	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of new controllers for a catfish farm aeration system. The catfish operation is owned by Williamson Cattle Company and produces approximately 8-10 million pounds of catfish per year. This project will save $129,481 per year and will save 1,847,736kWh (42.88%) per year, which is enough electricity to power 165 homes.
ALASKA	ALASKA DREAM MAKERS (ADM INC)	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/30/19	0	15,000	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This Rural Development investment will be used to build a 17.7 kW solar PV system on the roof of a locally owned commercial building in Wasilla Alaska. This project will realize at least $3,522 in annual electric bill savings, a 76 percent reduction from past years expenses. The annual energy produced could power 1.7 family homes for a year.
ALASKA	ALASKA FISHERIES DEVELOPMENT FOUNDATION	RBEG	RBCS ENTERPRISE GRANTS	06/14/19	0	83,719	0	RBDG funds will be used to provide technical assistance in Southwest Alaska for the development of mariculture businesses. This project will provide the technical assistance to develop site plans, business plans, and permit applications for mariculture business development.
ALASKA	ALLBRETT, JASPER P	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/19/19	0	48,618	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Rural Development REAP funds will be used to assist this locally owned and operated fishing vessel with energy efficient upgrades to the insulation of fish holds, pumps, refrigeration unit electrical system and the aux generator. This project will realize at least $4,998 in annual savings, and will replace 1,664 gallons of #2 diesel (34 percent) per year, the equivalent annual energy saved is enough to power 7 passenger vehicles driven for one year.

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ALASKA	AMBERG, WILLIAM	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	9,995	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This small remote hay farm does not have grid tied electric. They currently must run a generator for all electrical activities on the farm. The purchase and installation of a solar PV system with batteries will dramatically reduce the amount of diesel used for simple tasks like water pumping and lighting. it will save time hauling diesel and maintaining the generator and it will create quieter evenings and nights on the farm. The solar system installed will produce 15,289 kWh per year, the equivalent of 25 barrels of oil.
ALASKA	ATRIUM BUIDING PALMER, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/23/19	0	4,940	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. The Atrium Building, LLC in Palmer is also the USDA Service Center and USDA State Office. RD funds will be used to assist with an energy efficiency upgrade to the lighting in the building. The projected annual energy savings is equivalent to the annual electric use in 6.2 U.S. homes
ALASKA	BASARGIN, AVTONOM L	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/26/19	0	9,437	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This fishing vessel will benefit from an upgraded RSW refrigeration systems. The saved energy is equivalent to 2.5 U.S. homes annual electrical usage. The efficiencies will also be found in the operation of the fishing vessel, through saved time and increased profit. The owner will no longer have to travel to get slush ice during open fishing times. The project also adds more value to every pound of fish sold, because there is a lower value placed on fish cooled in slush ice.
ALASKA	BELL, MICHAEL EARL	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/21/19	0	10,000	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This fishing vessel will benefit from an upgraded RSW refrigeration systems. The saved energy is equivalent to half the U.S. annual electrical usage in a US home. The efficiencies will also be found in the operation of the fishing vessel, through saved time and increased profit. The owner will no longer have to travel to get slush ice during open fishing times. The project also adds more value to every pound of fish sold, because there is a lower value placed on fish cooled in slush ice.
ALASKA	CARLSON, DALE L	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/22/19	0	11,738	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This fishing vessel will benefit from an upgraded RSW refrigeration systems. The saved energy is equivalent to .5 U.S. homes annual electrical usage. The efficiencies will also be found in the operation of the fishing vessel, through saved time and increased profit. The owner will no longer have to travel to get slush ice during open fishing times. The project also adds more value to every pound of fish sold, because there is a lower value placed on fish cooled in slush ice.
ALASKA	CHAKUNCHIN, JOHN	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/23/19	0	16,971	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This fishing vessel will benefit from an upgraded RSW refrigeration systems, add insulation and modify the drain system to shed weight. The saved energy is equivalent to 1.5 U.S. homes annual electrical usage. The efficiencies will also be found in the operation of the fishing vessel, through saved time and increased profit. The owner will no longer have to travel to get slush ice during open fishing times. The project also adds more value to every pound of fish sold, because there is a lower value placed on fish cooled in slush ice.

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ALASKA	DENALI NATIONAL PARK WILDERNESS CENTERS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/19/19	0	75,352	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This remote tourism lodge does not have grid-tied electric. They currently must run a generator for all electrical activities. The purchase and installation of a 64 kW solar PV system with batteries will dramatically reduce the amount of diesel used for simple tasks like water pumping and lighting, it will save time hauling diesel, maintaining the generator and it will create quieter evenings and nights for the guests. It will also diminish the possibly of a fuel spill. The solar/battery system installed will save $15,621 per year, the equivalent of 105 barrels of oil or 5.5 U.S. homes annual energy use.
ALASKA	DUNHAM, GABRIEL CHRISTIAN	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	2,750	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This fishing vessel will benefit from an upgraded RSW refrigeration systems. The saved energy is equivalent to .5 U.S. homes annual electrical usage. The efficiencies will also be found in the operation of the fishing vessel, through saved time and increased profit. The owner will no longer have to travel to get slush ice during open fishing times. The project also adds more value to every pound of fish sold, because there is a lower value placed on fish cooled in slush ice.
ALASKA	HAINES BREWING COMPANY, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/30/19	0	4,660	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. These funds will be used to assist this family brewery in Haines Alaska to install an additional 9.6 kW of solar PV at the Main St. facility. They received a REAP grant in 2015, this new project will double their solar PV production off setting 36 percent of their annual load. This project will realize $4,564 in annual savings per year due to the high cost of power in Haines and off set a little more than the amount of electric typically used in a US family home each year.
ALASKA	JENNINGS, LEO F	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/21/19	0	11,301	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This fishing vessel will benefit from an upgraded RSW refrigeration systems. The saved energy is equivalent to 1 U.S. homes annual electrical usage. The efficiencies will also be found in the operation of the fishing vessel, through saved time and increased profit. The owner will no longer have to travel to get slush ice during open fishing times. The project also adds more value to every pound of fish sold, because there is a lower value placed on fish cooled in slush ice.
ALASKA	LLO FISHERIES LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/23/19	0	13,616	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This fishing vessel will benefit from the installation of a new RSW refrigeration systems. The saved energy is equivalent to 1.4 passenger vehicles driven for one year. The efficiencies will also be found in the operation of the fishing vessel, through saved time and increased profit. The owner will no longer have to travel to get slush ice during open fishing times. The project also adds more value to every pound of fish sold, because there is a lower value placed on fish cooled in slush ice.
ALASKA	NORTHLINE SEAFOODS, LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	11/16/18	4,840,000	0	0	
ALASKA	OWENS, LUKE W	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/26/19	0	4,360	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This fishing vessel will benefit from an insulated fish hold and drain system. The saved energy is equivalent to 3,300 miles driven. The efficiencies will also be found in the operation of the fishing vessel, through saved time and increased profit. The fish will stay colder during open fishing times without having to travel to purchase more ice and will be able to let the water out to decrease weight when in transit.
ALASKA	RIVER CITY BOOKS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	13,525	0	

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ALASKA	SPRUCE ROOT, INC.	RBOG	RBCS DEVELOPMENT GRANT	06/13/19	0	25,000	0	RBDG funds will be used to provide technical assistance to new and/or small businesses in the rural communities and villages of the Ketchikan Gateway Borough. The project will focus on business development plans, produce financial prejections, and evaluate business feasibility.
ALASKA	STELLER ENTERPRISES	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/30/19	0	6,812	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Rural Development REAP funds will be used to assist this family owned Alaskan entertainment LLC to install 12.3 kW of solar PV on two sites. The energy generated is projected to offset 100 percent of the businesses electrical load for the first three years. The eligible portion of this project will realize $1,419 in annual savings per year, the equivalent of the typical electric used annually in one US home.
ALASKA	SW AK MUNICIPAL CON	REAR	REAP ENERGY AUDIT RECIPIENT	03/25/19	0	100,000	0	Rural Development funds will be used to assist in preforming 26+ energy audits for rural small businesses with the goal of 100 audits conducted by the program before 2021. One focus will be to help the fishing industry with RSW conversion.
ALASKA	TALKEETNA RESTAURANT LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/30/19	0	19,372	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This Rural Development investment will be used to build a 21 kW solar PV system on the roof of a locally owned restaurant building in Talkeetna Alaska. This project will realize at least $3,039 in annual electric bill savings, the equivalent annual energy saved would power two family homes for a year.
ALASKA	UNIVERSITY OF ALASKA ANCHORAGE	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/26/19	0	170,000	0	RCDG funds will be used to improve economic conditions in rural Alaska by encouraging the establishment of new cooperatives and offering technical assistance to strengthen existing cooperatives. The project will help to create new jobs and retain existing jobs in rural areas.
ALASKA	UNIVERSITY OF ALASKA ANCHORAGE	RBEG	RBCS ENTERPRISE GRANTS	06/13/19	0	72,600	0	RBDG funds will provide technical assistance to rural entrepreneurs and existing businesses through on-site visits and in-person and online training; including business plans, marketing plans, and finacncial modeling.
ARIZONA	A SUNSET CHATEAU LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/14/19	0	47,628	0	
ARIZONA	A&R HOSPITALITY, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/23/18	7,400,000	0	0	This Rural Development loan guarantee investment will be used to construct a four-story Home2 Suites by Hilton in Page, Arizona, which will be the only extended stay lodging facility in the popular tourist area. The project will create 15 new jobs in a city where the unemployment rate is 138.8% of the statewide rate and will further support the recreational economy of this rural community.
ARIZONA	AJO CENTER FOR SUSTAINABLE AGRICULTURE	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	50,000	0	Rural Development grant funds will be used for a multi-faceted project in which the grantee will be purchasing commercial kitchen equipment to expand the Ajo Farmers Market Store and Kitchen, establish a website to assist in marketing local food production, create a brand to market the local foods, and provide technical assistance to local food producers in preparing their products for sale via the store and/or the website. Five businesses will be assisted and 20 jobs will be saved. The grantee is contributing $34,980 to the project.
ARIZONA	ALTA REAL ESTATE, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/29/19	0	156,438	0	
ARIZONA	AMBAYA GOLD HEALTH PRODUCTS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/05/19	0	14,602	0	
ARIZONA	ANTELOPE HOSPITALITY LLC	BI	GUARANTEED B&I 3% FEE LOAN	04/15/19	6,900,000	0	0	This Rural Development loan guarantee investment will be used to takeout an interim loan made to purchase the 130-room Quality Inn at Lake Powell in Page, Coconino County, Ariz. The hotel provides an affordable lodging option for travelers in this popular tourist area that attracts nearly three million visitors a year. Permanent financing of the hotel purchase will allow the continuation of employment for the 22 existing employees and create three new jobs in a community where the unemployment rate exceeds the state rate by more than 157 percent.
ARIZONA	APACHE COUNTY	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	59,000	0	This Rural Development investment will be used to develop a training program to target CNAs and nurses in Apache County, Ariz. A focus of the program will be training on treating opioid addiction, including prenatal addiction.
ARIZONA	BRADLEY R SMITH, DMD, DHSC PLLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/19/19	0	17,664	0	

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ARIZONA	CAPREAM DAIRY LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/11/19	0	8,750	0	
ARIZONA	CLARKDALE, TOWN OF	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	30,000	0	This Rural Development investment will be used to construct new ADA parking spaces, increase the number of available parking spaces, and install additional wayfinding signage for the Central Business District in downtown Clarkdale, Ariz. The project will fulfill strategies in the Town's Central Business District Focus Area Plan which identified the lack of sufficient parking as an obstacle to economic development in the key downtown area that serves as the town's event activity hub, but where many storefronts remain empty. Increasing the number of available parking spaces and including ADA spaces to comply with federal regulations would help attract downtown consumers and accommodate business growth in the area.
ARIZONA	D&M PATEL ENTERPRISES LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/26/19	1,070,000	0	0	
ARIZONA	DELTA PROPERTIES, LLP	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/17/19	0	286,590	0	
ARIZONA	DINE COMMUNITY DEVELOPMENT CORPORATION	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/25/19	0	65,000	0	This Rural Development investment will be used to develop an artisan feasibility study and business plan and to provide strategic planning for a Navajo Artist Cooperative on the Navajo Nation Indian Reservation. The Artisan Cooperative will be comprised of approximately 30 artists and emerging entrepreneurs on the Navajo Nation that will employ at least 15 individuals and provide financial and self-sufficiency to local community members.
ARIZONA	DINE COMMUNITY DEVELOPMENT CORPORATION	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	08/02/19	0	50,000	0	This Rural Development investment will be used to conduct critically needed economic and community development planning on the Navajo Nation Reservation in Ariz. by providing small business workshops, delivering leadership training, and developing a Navajo business incubator business plan. These activities are expected to create 27 jobs and save jobs 17 on the Reservation, where the overall unemployment rate exceeds the state rate by 169 percent.
ARIZONA	DIVINE FLAVOR LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/06/19	0	166,479	0	
ARIZONA	FOUNDATION FOR LITTLE COLORADO REVITALIZ	RBOG	RBCS DEVELOPMENT GRANT	07/26/19	0	24,000	0	Rural Development grant funds will be used to (1) conduct a lodging feasibility study and (2) to conduct a business leakage analysis in an effort to finds ways of keeping more money in the communities of Eagar and Springerville, Ariz. In addition, the Grantee will hold public meetings to discuss the results of the two studies as well as present the findings to local governments in an effort to actively educate and solicit business where the findings of the studies warrant the feasibility of those enterprises.
ARIZONA	FOUNDATION FOR LITTLE COLORADO REVITALIZ	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	70,000	0	Rural Development grant funds will be used to create a revolving loan funds for small businesses in southern Apache County, Ariz. The project is expected to assist five small businesses and create five jobs. Additional funds of $20,000 for the revolving loan fund are from the Comstock Family Endowment and the grantee is contributing $8,870.
ARIZONA	GILA CONCRETE, LLC	BI	GUARANTEED B&I 3% FEE LOAN	12/13/18	1,900,000	0	0	
ARIZONA	GILA RIVER BROADCASTING CORPORATION, INC	RBOG	RBCS OPPORTUNITY NATIVE AMERICAN GRANTS	09/03/19	0	126,665	0	This Rural Development Investment will be used to establish a digital technology training and small business support center within the Gila River Telecommunications entity to facilitate the development of small and emerging businesses, create and expand distributed learning systems and create and support employment focused adult education programs focused on technology related jobs, small business development, and community centered leadership development and management training.
ARIZONA	GRAHAM COUNTY ELECTRIC COOPERATIVE, INC.	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	02/11/19	0	0	500,000	USDA, Rural Development Rural Economic Development Loan (REDL) funds will be loaned to Graham County Electric Cooperative, Inc. (Intermediary), who will in turn loan the loan to Taylor Freeze, LLC (Ultimate Recipient). Taylor Freeze, LLC is expanding to a second location near Safford, Arizona in unincorporated Graham County. The project will create 25 jobs and save 14 jobs. Loan terms are 10 years at 0% to both the Intermediary and Ultimate Recipient.
ARIZONA	GVS SERVICES LLC	BI	GUARANTEED B&I 3% FEE LOAN	12/11/18	1,488,000	0	0	
ARIZONA	HOPI CREDIT ASSOCIATION	RBEG	PERSISTENT POVERTY RBCS BUSINESS ENTERPRISE NATIVE AMERICAN GRANT	06/21/19	0	40,000	0	This Rural Development investment will be used to support entrepreneurs on Hopi by allowing the Hopi Credit Association to make microenterprise loans available to be used for raw materials, tools, and related business staples. Access to capital resources is limited in rural areas, even more so on Native lands. This investment will provide opportunities for small businesses to sustain and grow their operations.

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ARIZONA	INTERNATIONAL SONORAN DESERT ALLIANCE	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	20,000	0	
ARIZONA	INTERNATIONAL SONORAN DESERT ALLIANCE	RBEG	RBCS ENTERPRISE GRANTS	07/15/19	0	50,000	0	
ARIZONA	KHAN CATTLE COMPANY LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/25/19	0	20,000	0	
ARIZONA	LOCAL FIRST ARIZONA FOUNDATION	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	57,000	0	Rural Development grant funds will be used to create four (4) new rural community profiles and to expand the work on six (6) previously completed rural community profiles. The end result of the grant is to raise awareness of each community as an in-state travel destination and to promote entrepreneurial opportunities in those communities. Grantee is providing matching funds of $20,000.00. Thirty rural small businesses will be assisted, four jobs will be created and 10 jobs retained as a result of this grant.
ARIZONA	LQCG INC.	BI	GUARANTEED B&I 3% FEE LOAN	08/28/19	6,600,000	0	0	Rural Development funds in the form of a Guaranteed Business and Industry (B&I) Loan will be used to refinance debt, make property improvements, provide working capital, and pay fees associated with the transaction. The borrower owns and operates a Holiday Inn Express & Suites in Casa Grande, Ariz. The project will create two jobs and save 35 jobs in rural Pinal County.
ARIZONA	MARICOPA AUBERGE, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/26/19	7,500,000	0	0	This Rural Development investment in the form of a Guaranteed Business and Industry (B&I) Loan will be used for the construction and permanent financing of an 89-room, four story, upper mid-scale limited service hotel to be branded as a La Quinta Inn & Suites in Maricopa, Pinal County, Arizona. The borrower will create 30 new jobs. The borrower is contributing $2,918,585 to the project.
ARIZONA	MOHAVE ELECTRIC COOPERATIVE, INC.	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	08/29/19	0	0	107,200	This Rural Development Investment will be used by the Chamber of Commerce to fund the replacement of the existing antiquated manual billboard with a modern digital billboard. The project will create one new job and is expected to help with small business expansion in the area.
ARIZONA	NAHATA DZIIL COMMISSION GOVERNANCE	RBOG	RBCS OPPORTUNITY NATIVE AMERICAN GRANTS	08/26/19	0	200,000	0	Rural Development funds will be used to develop chapter based economic development strategic plans as well as a regional economic strategic plan for the Former Bennett Freeze Area (FBFA). Ten plans will be developed, at least five businesses will be assisted and 28 jobs will be created. Matching funds of $600,000 are being contributed by The Navajo Nation.
ARIZONA	NOGALES COMMUNITY DEVELOPMENT CORP	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/26/19	0	25,631	0	This Rural Development investment will be used to continue the provision of technical assistance and training to microentrepreneurs in Santa Cruz County, Ariz. The recipient will provide coaching on successful business strategies as well as the tools necessary for accessing capital from Nogales Community Development Corporation's revolving loan fund.
ARIZONA	PALM SPRINGS LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/06/19	1,811,000	0	0	Rural Development Guaranteed Loan Funds will be used to assist in the purchase and improvement of a limited-service hotel in Willcox, Ariz. Thirteen jobs will be saved in a rural community where the poverty level is just under 23 percent. The borrower is contributing $494,428 to the purchase and improvement of the property. The loan guarantee supports The Report to the President of the United States from the Task Force on Agriculture and Rural Prosperity as follows: - Call to Action #2: Improving Quality of Life - Call to Action #3: Supporting a Rural Workforce - Call to Action #5: Economic Development
ARIZONA	PPEP MICROBUSINESS & HOUSING DEV CORP	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/27/19	0	20,612	0	This Rural Development investment will be used to provide technical assistance in southeastern Arizona as part of the recipient's Arizona Border Business Crisis Empowerment Program.
ARIZONA	PRESCOTT ATHLETIC CLUB LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/09/19	0	49,750	0	
ARIZONA	RIVER FEVER LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/05/19	0	20,000	0	
ARIZONA	SAN XAVIER COOPERATIVE ASSOCIATION, INC	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/25/19	0	174,840	0	
ARIZONA	SAN XAVIER DISTRICT OF THE T O NATION	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	08/26/19	0	299,991	0	Rural Development funds will be used for a multi-faceted project: (1) continuing design of the local food marketplace including engineering, architectural, and environmental and (2) training and technical assistance of small businesses that will locate their business in the local food marketplace. The project will assist five (5) small businesses and 37 jobs will be created or saved.

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ARIZONA	SOUTHWEST INDIAN AGRICULTURAL ASSN, INC.	RBEG	PERSISTENT POVERTY RBCS BUSINESS ENTERPRISE NATIVE AMERICAN GRANT	06/13/19	0	149,039	0	Rural Development funds will be used to provide training and technical assistance to Native American agriculture related businesses, primarily local foods projects.
ARIZONA	ST. JOHNS, CITY OF	RBOG	RBCS DEVELOPMENT GRANT	07/25/19	0	23,000	0	This Rural Development investment will be used to prepare a feasibility planning/strategy for the City of St. Johns, Ariz. to evaluate current trends in local businesses, industry, economic growth opportunites, education, service industries, quality of life, and the desired style and rate of growth suitable for the area. The City would like to create a small business incubator that, if feasible, would create five new position in the community. The City is also interested in a research facility and a sustainable agricultural education program to serve veterans and create future jobs.
ARIZONA	STEPS TO RECOVERY HOMES	RBEG	RBCS ENTERPRISE GRANTS	07/19/19	0	80,000	0	This Rural Development investment will be used to train up to 16 individuals recovering from various substance abuse issues in a Workforce Development Program. Following graduation, the grantee would work with local businesses to help place the graduates in needed employment.
ARIZONA	SUNSITES ORGANICS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/08/19	0	19,997	0	
ARIZONA	THRIFTEE SUPER MARKET INC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/09/19	0	39,936	0	
ARIZONA	TOLANI LAKE ENTERPRISES, INC.	RBEG	RBCS ENTERPRISE GRANTS	09/26/19	0	34,690	0	This Rural Development investment will be used to provide needed technical assistance to experienced and emerging food and water entrepreneurs living on the Hopi Reservation and the southwestern corner of the Navajo Nation in Ariz. Technical assistance will be provided via hands-on agricultural and business workshops targeting soil health, value-added products, and entrepreneurship; one-on-one mentoring for business acceleration including marketing plans, logos, and an online presence; and entrepreneur mentorship along with training provisions for contract negotiations and agreements.
ARIZONA	TS'AH BII KIN CHAPTER	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	07/16/19	0	70,000	0	This Rural Development investment will allow the Ts'ah Bii Kin Chapter to conduct leadership training of 10 - 20 community leaders on organizing and starting community development and agricultural non-profit organizations. The grant will also fund technical assistance and project planning for the Chapter's Governance & Commerce Center (Vendor Village).
ARIZONA	VERDE VALLEY REGIONAL ECONOMIC ORG INC	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/26/19	0	47,442	0	This Rural Development investment will be used to provide initial and ongoing technical assistance to borrowers and potential borrowers of the RMAP Revolving Loan Fund available to microentrepreneurs located in the Verde Valley in Arizona.
ARIZONA	WHOLESUM FARMS ARIZONA LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/17/19	0	48,769	0	
ARIZONA	WILLIAM HOLMAN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/29/19	0	9,967	0	
ARIZONA	WIRED-UP SYSTEMS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/30/19	0	18,250	0	
ARIZONA	YUWEHLOO PAHKI COMMUNITY	RBEG	PERSISTENT POVERTY RBCS BUSINESS ENTERPRISE NATIVE AMERICAN GRANT	06/13/19	0	90,000	0	Rural Development funds will be used to provide technical assistance and training to between five (5) and ten (10) small businesses owned by members of The Hopi Tribe. It is anticipated that 15 jobs will be created.
ARKANSAS	ALLEN, JOSIAH STEPHEN	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/20/19	0	20,000	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED TO MAKE ENERGY EFFICIENCY IMPROVEMENTS WITH THE PURCHASE AND INSTALLATION OF INSULATED SIDES, STIRFANS, ENERGY EFFICIENT LIGHT BULBS, AND ELECTRIC MOTORS FOR POULTRY HOUSES. STEPHEN ALLEN OWNS AND OPERATES BROILER HOUSES IN LEWISVILLE, AR. THIS PROJECT WILL REALIZE $13,513 PER YEAR IN SAVINGS AND WILL REPLACE 313,999 KWH (68%) PER YEAR, WHICH IS ENOUGH ENERGY TO POWER 29 HOMES. THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, RANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.

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ARKANSAS	ARKANSAS HUMAN DEVELOPMENT CORPORATION	RBEG	RBCS ENTERPRISE GRANTS	07/22/19	0	165,000	0	This Rural Development investment will be used to provide training and technical assistance through six regional business development forums designed to start new businesses or strengthen and/or expand existing businesses in rural Arkansas. The proposed project locations where the forums will be held include: El Dorado (Union County), Pine Bluff (Jefferson County), Wynne (Cross County), Helena (Phillips County), Camden (Ouachita County), and Hope (Hempstead County). The forums will provide rural residents with resources such as how to obtain funding, how to develop business plans, and resources that can be used to start or expand businesses within their communities.
ARKANSAS	B.A.T. FARMS, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/30/19	0	19,550	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of new radiant brooders to replace inefficient tube heaters in six poultry houses. B.A.T. Farms LLC is family-owned and operates a poultry farm in Desha, Ark. This project will realize $5,291 per year in savings and will replace 99,520 kWh (21%), which is enough electricity to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ARKANSAS	BRANTLEY & SONS INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	120,000	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 848 KW SOLAR PV GROUND-MOUNT SYSTEM. BRANTLEY AND SONS, INC., A FAMILY-OWNED FARM AND GRAIN DRYING/STORAGE COMPANY, WILL REALIZE $129,446 PER YEAR IN SAVINGS, AND WILL REPLACE 1,431,000 KWH (122%) PER YEAR. THIS PROJECT WILL SAVE ENOUGH ELECTRICITY TO POWER 132 HOMES. THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, RANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
ARKANSAS	COCKADOODLE FARMS, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/04/19	0	28,608	0	This Rural Development investment will be used to make energy-efficiency improvements including new fans, insulation, and heaters to three existing poultry houses. Cockadoodle Farms, LLC is a family-owned broiler farm operation in Batesville, Ark. This project will realize $10,327 per year in savings, and replace 168,192 kWh (37%), which is enough electricity to power 15 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ARKANSAS	COMMUNITIES UNLIMITED,INC	RBEG	RBCS ENTERPRISE GRANTS	06/12/19	0	170,000	0	This Rural Development investment will be used to provide customized technical assistance and training that leads to the startup and growth of rural businesses in 50 Arkansas counties, 48 of which are part of the Strike Force Initiative. At least 38 small businesses will receive training and technical assistance including but not limited to: cash flow management, set up and use of bookkeeping and accounting systems like QuickBooks, understanding financial statements, social media and digital marketing strategies, feasibility studies, business plans, strategic planning, business transition of ownership, and business turnaround strategies.
ARKANSAS	CROW PAVING, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/07/19	0	18,829	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 35 KW ROOFTOP SOLAR ARRAY. CROW PAVING, INC. IS A FULL-SERVICE CONSTRUCTION FIRM IN MORRILTON, AR. THIS PROJECT WILL REPLACE 52,590 KWH (100%) PER YEAR AND REALIZE AN ANNUAL SAVINGS OF $4,359. THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, RANCHERS, AND RURAL SMALL BUSSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
ARKANSAS	CRP FARMS OF ARKANSAS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	08/01/19	0	142,449	0	This Rural Development investment will be used for the purchase and installation of a 301.92 kW solar array. CRP Farms, a poultry farm in Summers, Ark., will realize $43,572 per year in savings, and will replace 473,615 kWh (83.5%) per year. This project will save enough electricity to power 43 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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ARKANSAS	DELTA FARMS OF LAKE CITY, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/19/19	0	208,371	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a new grain dryer system to replace the current dryers on eight grain bins. Delta Farms of Lake City, Inc. owns and operates an agricultural storage facility in Lake City, Ark. This project will realize $17,596 annually in savings, and will replace 125,660 kWh (35.57%) per year, which is enough to power eleven homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ARKANSAS	EAST ARKANSAS ENTERPRISE COMMUNITY, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/22/19	0	126,110	0	This is Rural Development investment will be used to provide technical assistance programs for small businesses in Lee and St. Francis counties in Arkansas in the form of training in business planning, financial management and budgeting, business recordkeeping, personnel management and marketing and business audits for new and established business owners/operators. A business incubator will provide small business owners access to a furnished office space and direct training in the use of computers for business purposes, copiers, fax machines, and other business services designed to help entrepreneurs create small businesses and existing businesses to expand their operations.
ARKANSAS	HUGHES FARM PARTNERSHIP	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/07/19	0	17,853	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of electric irrigation motors. Hughes Farm Partnership is a family-owned farming operation in Forrest City, AR that produces cotton and soybeans. This project will realize $9130 per year in savings, and will replace 198,193 kWh (66%) per year, which is enough energy to power 18 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ARKANSAS	IMPERIAL UNITED, LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/19/19	2,094,000	0	0	THE BUSINESS AND INDUSTRY GUARANTEED LOAN WILL BE USED TO REFINANCE EXISTING LOAN THAT WAS USED FOR PURCHASING A 63-ROOM HOTEL LOCATED IN HELENA, ARKANSAS
ARKANSAS	JAMES, THOMAS D.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/07/19	0	18,375	0	This Rural Development investment will be used for the purchase and installation of a 29.4 kW roof-mounted solar array for a local mini-storage and car wash business owned by Thomas James in Wickes, Arkansas. This project will replace 39,490 kWh (92%) per year and realize $3,870 of annual savings. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ARKANSAS	K&K VETERINARY SUPPLY INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	08/01/19	0	55,770	0	This Rural Development investment will be used for the purchase and installation of a 297.5 kW solar array. K&K Veterinary Supply Inc., a locally-operated farm supply wholesaler in Springdale, Ark., will realize $32,858 per year in savings. This project will replace 372,751 kWh (53%) per year, which is enough energy to power 34 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ARKANSAS	LUCKY CHICK, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/04/19	0	70,070	0	This Rural Development investment will be used to make energy-efficiency improvements, including new fans, insulation, and heaters, to eight existing poultry houses. Lucky Chicks is a family-owned broiler farm operation in Pangburn, Ark. This project will realize $25,396 per year in savings, and will replace 426,025 kWh (44.75%), which is enough electricity to power 39 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ARKANSAS	MOMTAZ UNITED ENTERPRISE, LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/19/19	1,148,000	0	0	THE BUSINESS AND INDUSTRY GUARANTEED LOAN WILL BE USED TO REFINANCE EXISTING LOAN THAT WAS USED FOR PURCHASING A 96-ROOM MOTEL LOCATED IN HELENA, ARKANSAS.
ARKANSAS	POLSTON, SHARON	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/15/19	0	5,685	0	This Rural Development investment will be used for energy efficiency improvements with the purchase and installation of upgraded doors, curtains, and lighting for poultry houses. Sharon Polston, who operates a poultry farm in Cave City, Ark., will realize $2,861 per year in savings, and will replace 28,780 kWh (35%) with this project. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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ARKANSAS	POOLE FAMILY PROPERTIES, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/19/19	0	8,750	0	This Rural Development investment will be used for the purchase and installation of a 37.5kW solar array expansion to their existing solar system. Poole Family Properties LLC, a family-owned agricultural business in Eudora, Ark., will replace 56,250 kWh (100%) per year and realize $4781 of annual savings. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ARKANSAS	POST OAK XING, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	08/01/19	0	117,378	0	This Rural Development investment will be used for the purchase and installation of a 301.9 kW solar array. Post Oak Xing, LLC is a poultry farm consisting of eight broiler houses in West Point, Ark. This project will realize a savings of $33,593 per year, and will replace 465,290 kWh per year, which is enough electricity to power 43 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ARKANSAS	PURPLE MOON PROPERTIES, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	16,240	0	This Rural Development investment will be used for the purchase and installation of a 28 kW roof-mounted solar array on a mini-storage facility in Cabot, Ark. This project will replace 38,301 kWh (73%) per year and realize an annual savings of $3,178. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ARKANSAS	RUSTY TRACTOR VINEYARDS, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/16/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of updated HVAC, doors, windows, insulation and LED lighting fixtures for a wine tasting room. Rusty Tractor Vineyards, LLC operates a winery in rural Pulaski County in Arkansas. This project will realize $1681 per year in savings, and will replace 19,328 kWh (68%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ARKANSAS	SUNSET LAKE VINEYARDS, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/16/19	0	19,542	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of updated HVAC, doors, windows, insulation and LED lighting fixtures in a vineyard education/dining building. Sunset Lake Vineyards, LLC operates a vineyard and winery, with a tasting room and venue for events, that produces several varieties of wine and table grapes in rural Pulaski County, Ark. This project will realize $613 per year in savings, and will replace 5,677 kWh (46%). The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ARKANSAS	SUNSET LODGE, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/18/19	0	20,000	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 42 KW ROOFTOP SOLAR ARRAY AT A LOCALLY OWNED AND OPERATED WINERY. SUNSET LODGE, LLC IS A NEWLY FORMED COMPANY IN RURAL PULASKI COUNTY IN ARK. THIS PROJECT WILL REALIZE $3815 PER YEAR IN SAVINGS AND REPLACE 55,300 KWH (100%) ANNUALLY. THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, RANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
ARKANSAS	THE WEST HAVEN, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/24/19	0	50,000	0	This Rural Development investment will be used for the purchase and installation of an 88.2 kW solar array. The West Haven, Inc. is a community housing organization in De Witt, Ark. for developmentally disabled persons. This project will realize $13,281 per year in savings, and will replace 139,802 kWh (77.4%) per year, which is enough electricity to power 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations.
ARKANSAS	TIMOTHY COVINGTON FARMS PARTNERSHIP	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/22/19	0	120,403	0	This Rural Development investment will be used for the purchase and installation of a 306.6 kW solar array. Timothy Covington Farms Partnership, an agricultural producer of rice and soy beans in Poinsett County, Ark., will realize $42,936 per year in savings. This project will replace 536,700 kWh (96%) annually, which is enough to power 49 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
ARKANSAS	TRUCKS POULTRY FARM	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/04/19	0	46,193	0	This Rural Development investment will be used to make energy-efficiency improvements including new fans, insulation, and heaters to five existing poultry houses. Trucks Poultry Farm is a family-owned broiler farm operation in Locust Grove, Ark. This project will realize $12,523 per year in savings, and will replace 235,063 kWh (36.6%), which is enough electricity to power 21 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ARKANSAS	U OF A WINTHROP ROCKEFELLER INSTITUTE	RBOG	RBCS DEVELOPMENT GRANT	05/30/19	0	66,900	0	This Rural Development investment will be used to fund a comprehensive community and economic development program that will provide training, technical assistance, expertise and resources to community leaders in Lonoke, Cleburne, Faulkner, and White counties in Arkansas.
ARKANSAS	WILLIAMS & SON FARMS, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/15/19	0	14,926	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of stir fans, insulation, and lighting for five poultry houses. Williams & Son Farms, LLC is a family-owned poultry farm in Fouke, Ark. This project will realize $12,664 per year in savings, and will replace 451,959 kWh (49%), which is enough electricity to power 41 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ARKANSAS	WINROCK INTERNATIONAL INSTITUTE FOR AGRI	RBEG	RBCS ENTERPRISE GRANTS	07/22/19	0	169,990	0	This Rural Development investment will provide technical assistance in facility site development for an emerging specialty grain crop industry. The project will build upon interest, viability of economic production, infrastructure assessment and related information in the Fourche LaFave and Petit Jean River valleys in Logan, Scott, and Yell counties in western Arkansas, and will evaluate the location, type, economics and servicing of practical, area-specific facilities. Additional funding includes a $22,000 in-kind contribution from the Natural Soybean and Grain Alliance.
ARKANSAS	WINROCK INTERNATIONAL INSTITUTE FOR AGRI	DLHT	DELTA HEALTH CARE SERVICES GRANT	04/30/19	0	998,834	0	This Rural Development investment will be used to deliver an opioid and substance abuse training, education, and awareness program in 5 counties in north central and north eastern Arkansas, a region that suffers high rates of opioid overdose deaths and risk factors. Delta Understanding and Preventing Substance and Opioid Abuse in Rurality(Delta UPSOAR)will increase knowledge, reduce stigma, and increase confidence in identifying and reacting to opioid and substance abuse. Education will include live presentations, community event participation, and online learning modules focused on opioid and substance abuse identification and response. The project will also deliver hands-on risk-free simulation training to adults and youth in the region to help them recognize and react to opioid overdose. Project activities will take place in the following Arkansas counties: Stone, Sharp, Izard, Fulton and Baxter. Delta UPSOAR will reach thousands of individuals in the target area through adult education workshops, led by Ozarka College; simulation training events, led by the University of Arkansas for Medical Sciences (UAMS); youth education, led by Mid-South Health Systems; and referrals to treatment and counseling as a result of workshop interactions.
CALIFORNIA	3CORE, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	150,000	0	The Rural Development investment will be used to help pay for a study to determine the business needs as related to the changed economic conditions from the destruction caused by the Camp Fire.
DISTRICT OF	AEMETIS ADVANCED PRODUCTS KEYES, INC.	BIOR	GUAR BIOREFINERY ASST PROGRAM-VARIABLE RATE	02/07/19	25,000,000	0	0	
DISTRICT OF	AEMETIS ADVANCED PRODUCTS KEYES, INC.	BIOR	GUAR BIOREFINERY ASST PROGRAM-VARIABLE RATE	02/07/19	50,000,000	0	0	
DISTRICT OF	AEMETIS ADVANCED PRODUCTS KEYES, INC.	BIOR	GUAR BIOREFINERY ASST PROGRAM-VARIABLE RATE	02/07/19	50,000,000	0	0	
CALIFORNIA	AGRICULTURE AND LAND-BASED TRAINING	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	40,000	0	The Rural Development investment will be used to provide training and technical assistance in Salinas Valley area to aspiring farmers to strengthen the Agriculture of the Central Coast. Number of jobs expected to be created 8 or saved 12.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
CALIFORNIA	ALAMO FARMS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/22/19	0	250,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Alamo Farms is family operation which started in 1969. Alamo Farms produces milk at two dairy sites, plus 3,000 acres of cattle forage and 380 acres of almonds at four sites in Crows Landing, Modesto, Atwater, and Grimes, CA. Project funds will be used for the purchase of a 1,148kW solar array to offset electrical costs for business operations. This project will realize $326,756 per year in savings, and will replace 2,220,006kWh per year, which is enough electricity to power 274 homes.
CALIFORNIA	ALVAREZ BROTHERS, LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	08/26/19	4,200,000	0	0	
CALIFORNIA	AP HOTEL GROUP, LLC	BI	GUARANTEED B&I 3% FEE LOAN	04/16/19	7,155,500	0	0	USDA B&I Guaranteed Loan funds used for the acquisition of a Best Western hotel in Atascadero, CA.
CALIFORNIA	ARCATA ECONOMIC DEVELOPMENT CORP.	RMAP	DISC RURAL MICROENTERPR DEV ORG	09/09/19	0	0	400,000	To provide loans and grants to Microenterprise Development Organization (MDO's) to provide microloans to help startup and grow through a Rural Microloan Revolving Fund.
CALIFORNIA	ARCATA ECONOMIC DEVELOPMENT CORP.	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG GRANTS	09/09/19	0	100,000	0	This Rural Development investment will be used to provide loans and grants to Microenterprise Development Organization (MDO's) to provide microloans to help startup and grow through a Rural Microloan Revolving Fund.
CALIFORNIA	ARCATA ECONOMIC DEVELOPMENT CORP.	IRP	INTERMEDIARY RELENDING PROGRAM	06/05/19	0	0	1,000,000	Rural Development funds will be used to provide the intermediary a loan to relend to businesses and for community development projects in rural communities.
CALIFORNIA	ATIP FOUNDATION	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	75,000	0	This Rural Development investment will be used to advancing the Bio-economy in the San Joaquin Valley for job growth and wealth creation for Rural Economic Development.
TEXAS	ATIP FOUNDATION	RBOG	RBCS DEVELOPMENT GRANT	07/12/19	0	58,247	0	The Rural Business investment will be used for technical assistance to attain two objectives, related to the Bioeconomy in Erath, Palo Pinto counties and the city of Granbury, Texas. Objective one is to build the basis for five economic foundations vital to all industry sectors: access to capital, a trained workforce, the infrastructure needed to move people, products and information into and out of the region in a fast, effective and efficient manner, technology from Federal Labs, universities and industry and public policy; supportive rather than inhibitive, of the particular sector. Object two is to establish the understanding of and support from six critical stakeholder sectors. The applicant will contribute $57,000 and the city of Stephenville, Texas will contribute $10,000 of in-kind support consisting of personnel participation, travel expenses and supplies to the project.
CALIFORNIA	BAR 717 RANCH, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/18/19	0	15,250	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Bar 717 Ranch, Inc. is doing business as Camp Trinity which is a summer youth camp organization with various facilities including kitchens, meeting areas, medical clinic, platforms (cabins), workshops, barns, gardens, etc. Project funds will be used for the purchase of a 19kW solar array to offset electrical costs and supply power to the aforementioned facilities. This project will realize $2,516 per year in savings, and will replace 30,318 kWh per year, which is enough electricity to power 3.4 homes.
CALIFORNIA	BAY AREA HOUSING CORPORATION	BI	GUARANTEED B&I 3% FEE LOAN	12/21/18	640,000	0	0	THIS PROJECT INVOLVES THE PURCHASE OF REAL ESTATE AND RENOVATION COSTS TO CONVERT THE PROPERTY INTO A GROUP HOME SERVING 4 ADULT INDIVIDUALS WITH DEVELOPMENTAL DISABILITIES AND WILL PROVIDE IN HOME HEALTH CARE AND HOUSING.
CALIFORNIA	BLUEBERRIES OLE! LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/26/19	0	17,336	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Blueberries Ole! LLC is a small family owned blueberry farm using social media to market and sell produce with a'you pick it' strategy. Project funds will be used for the purchase of a 20kW solar array to offset electrical costs and supply power to the agriculture well and pump assembly to irrigate land while employing extreme drought mitigation techniques. This project will realize $6,217 per year in savings, and will replace 32,381 kWh per year, which is enough electricity to power 3.6 homes.

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CALIFORNIA	BUTTE COUNTY OF	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	25,000	0	This Rural Development investment will be used to for a study to examine the extent of damage to the Miocene Canal and assessment of potential options associated with water supplies lost to ag producers and other former users. Butte County and the surrounding region, especially the town of Paradise, have been hard-hit by this unprecedented and historical disaster.
CALIFORNIA	C. K. AND LILA HANSEN, INC.	BI	GUARANTEED B&I 3% FEE LOAN	05/09/19	2,500,000	0	0	
CALIFORNIA	CALIF. STATEWIDE CERT. DEV. CORP	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	55,000	0	The Rural Development investment will be used to assist with the feasibility assessment development and implementation of technology to increase and improve access to capital to rural small businesses. Serving 23 Counties in California. Goal would be 100 jobs created or retained.
CALIFORNIA	CALIFORNIA CENTER FOR COOPERATIVE DEV.	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/05/19	0	200,000	0	Rural Development funds will be used to improve the economic conditions of rural areas in the state of California through cooperative development. These funds will help CCCD provide technical assistance with rural housing cooperatives addressing some idiosyncratic issues, promoting jobs and wealth creation through home care cooperatives and assist farmer groups cooperatively purchasing and owning the distribution companies.
CALIFORNIA	CALIFORNIA CENTER FOR COOPERATIVE DEV.	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/06/19	0	175,000	0	Rural Development funds will be used to provide technical assistance to cooperatives who are comprised of socially disadvantaged individuals. Services include delivering cooperative development training, and conduct feasibility studies, and financial technical assistance located in socially disadvantaged California communities.
CALIFORNIA	CALIFORNIA FARMLINK	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG GRANTS	09/24/19	0	81,936	0	This Rural Development investment will be used to provide technical assistance to microentrepreneurs and microenterprises that are located within the Micro Development Organization s (MDO s) service area. Technical assistance will be available to applicants, potential applicants and existing borrowers that have received loans from the MDO under their Rural Microloan Revolving Loan Fund.
CALIFORNIA	CHESTER REAL ESTATE, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/26/19	2,972,000	0	0	THIS REFINANCE WILL IMPROVE BUSINESS CASH FLOW AND ASSIST WITH THE RETENTION OF JOBS IN THIS SMALL, RURAL COMMUNITY.
CALIFORNIA	CHICO STATE ENTERPRISES	REAR	RENEWABLE ENERGY DEVLP ASSISTANCE GRANTS	03/27/19	0	50,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy system improvements to their operations. Project funds will be used to conduct approximately 26 renewable energy site assessments for rural small businesses and agricultural producers in the state of California. Specifically, The CSU Chico Center for Economic Development together with multiple partners throughout the Central Sacramento Valley will utilize the $50,000 investment from USDA to provide renewable energy development assistance to rural small agricultural producers and other small businesses in eligible areas of the Sacramento Valley, particularly in the counties of Yuba, Sutter, Colusa, Butte, Glenn, Tehama, and Shasta. The project service area contains approximately 190 agricultural processing facilities and food and beverage manufactures that may also benefit from other USDA Rural Development programs, and from other energy programs and food processing incentive programs delivered by the California Energy Commission. The service area is defined as a large user of energy (natural gas & electricity) and energy costs constitutes up to 20% of business operating costs.
CALIFORNIA	COLUSA COUNTY PARTNERSHIP	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG GRANTS	09/26/19	0	11,736	0	This Rural Development investment will be used to grow the borrower's existing Rural Microloan Revolving Loan Fund program. The project will also be used to provide training and technical assistance to microentrepreneurs and microenterprises that are located within the organization's service area in Colusa County and use the Rural Microloan Revolving Loan Fund program. This funds will help at least one rural business and create one and save one rural jobs.
CALIFORNIA	COLUSA COUNTY PARTNERSHIP	RBEG	RBCS ENTERPRISE GRANTS	07/17/19	0	71,000	0	This Rural Development investment will be used to provide technical assistance to Colusa County businesses; to small businesses in the areas of business planning; business development; access to capital; cash flow management; marketing, and overall business management. The project will be managed by the Colusa County Partnership in close cooperation with the Lake County Economic Development Corporation. Number of jobs expected to be created 5 or saved 20.
CALIFORNIA	COUNTY OF TEHAMA	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	40,000	0	This Rural Development investment will be used to conduct feasibility study to determine if the existing Red Bluff Community Center commercial kitchen is marketable as a community kitchen and business incubator for residents of Red Bluff and other areas of Tehama County.

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CALIFORNIA	CSUF FOUNDATION	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	40,000	0	This Rural Development investment will be used to provide technical assistance training program to Taft Emerging Small Businesses. It will implement activities that support the professional growth and business development of ten local businesses in the City of Taft, Kern County, CA. A total of 10 jobs will be created or saved 5.
CALIFORNIA	DAVID SANTOS FARMING	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	235,950	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. David Santos Farming is a family operation since 1970. The farm employees 45 people and covers 8000 acres in field and row crops including cotton, corn, tomatoes, alfalfa, wheat, and melons. Project funds will be used for the purchase of a 569kW solar array to offset electrical costs for business operations. This project will realize $118,707 per year in savings, and will replace 964,232kWh per year, which is enough electricity to power 119 homes.
CALIFORNIA	DAVIS, DARROLD LANE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/30/19	0	9,216	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Darrold Lane Davis farms rice in Maxwell CA. Project funds will be used for the purchase of a 11.5kW solar array to offset electrical costs and supply power for business operations including out building. This project will realize $4,084 per year in savings, and will replace 18,179742 kWh per year, which is enough electricity to power 2.8 homes.
CALIFORNIA	DEMOCRACY AT WORK INSTITUTE	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/09/19	0	200,000	0	Rural Development funds will be used for assisting the center in developing rural worker cooperatives and co op conversions with an emphasis in western North Carolina, Maine & New York State.
CALIFORNIA	DEMOCRACY AT WORK INSTITUTE	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/09/19	0	175,000	0	Funds will be used to provide technical assistance to Native American and Alaskan organizations to develop cooperatives, deliver cooperative development training, and conduct feasibility studies, including one designed to increase food access and build economic opportunities in remote areas.
CALIFORNIA	DR. HALLEY MOORE ENTERPRISES, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/11/19	0	12,424	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Dr. Halley Moore Enterprises, Inc. is a Psychologist who uses equine assisted therapy to treat patients at Rolling Hills Ranchette in Templeton, CA. Equine Assisted Therapy involves interactions between patients and horses. Project funds will be used for the purchase of a 15.48kW solar array to offset electrical costs for business operations. This project will realize $6,189 per year in savings, and will replace 22,104 kWh per year, which is enough electricity to power 1.9 homes.
CALIFORNIA	ECONOMIC DEVELOPMEN& FINANCING CORP.	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	20,000	0	This Rural Development investment will be used to provide training and technical assistance, specifically business planning counseling, market research and service improvements. This project will increase the access to concrete market planning, and zoning information for start-up and existing business owners resulting in more successful businesses creating more jobs. Expected that this tool will help create minimum of 2 new businesses sited in Mendocino County and at least 20 new jobs created.
CALIFORNIA	ECONOMIC DEVELOPMEN& FINANCING CORP.	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG GRANTS	09/24/19	0	6,292	0	0
CALIFORNIA	FEED THE HUNGER FOUNDATION	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG GRANTS	09/26/19	0	87,788	0	This Rural Development investment will be used to grow the borrower's existing Rural Microloan Revolving Loan Fund program. The project will also be used to provide training and technical assistance to microentrepreneurs and microenterprises that are located within the organization's service areas in California and Hawaii and use the Rural Microloan Revolving Loan Fund program. This funds will help at least one rural business and create one and save one rural job.
CALIFORNIA	FIVE H DAIRY BIOGAS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/24/19	0	237,050	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to purchase and install a biogas conditioning system and blower for use with an existing dairy anaerobic digester to generate biogas (Compressed Natural Gas) and export and sale to a pipeline owned by Merced Pipeline, LLC. The anticipated annual digester production is 46,116 mmBTU of renewable biogas.

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CALIFORNIA	FOOTHILL REAL ESTATE ENTERPRISE, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/10/19	0	7,250	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Foothill Real Estate Enterprise, LLC is a mini self-storage unit business on a 5.6-acre site near the town of Valley Springs in Calaveras County, CA. This is a newly constructed business owned and managed by one person. Project funds will be used for the purchase of a 7.5kW solar array to offset electrical costs and supply power for business operations. This project will realize $2,940 per year in savings, and will replace 11,763 kWh per year, which is enough electricity to power 1.5 homes.
CALIFORNIA	FRESNO COMMUNITY DE	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG GRANTS	09/26/19	0	34,028	0	This Rural Development investment will be used to provide Technical Assistance (TA) to rural micro-entrepreneurs and microenterprises that have received or are seeking one or more microloans from the micro lender. This includes marketing, management, and other forms of technical assistance needed. The borrower's service area includes San Joaquin, Stanislaus, Merced, Madera, Fresno, Kings, Tulare and Kern Counties. This funds will help at least one rural business and create one and save one rural jobs.
CALIFORNIA	GLENN COUNTY	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	60,000	0	The Rural Development investment will be used to expand the tools used to reach our businesses, support leadership and entrepreneurial training and long-term business strategic planning and is in support of a rural business incubator. The incubator is located in an opportunity zone and will work closely with 3CORE, Inc. on this new tool to encourage investment. Project builds on the Glenn County Strategic Economic Plan (2018) to increase commerce and jobs in Glenn County. Initial efforts have resulted in creation of 600 net new jobs.
CALIFORNIA	GOLDEN STATE FINANCE AUTHORITY (GSFA)	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	115,000	0	This Rural Development investment will be used to develop commercially viable use of no to low-value biomass from California's forests for the purposes of creating rural prosperity & job creation, mitigating the risks of wildfires, and protecting the environment.
CALIFORNIA	GREAT NORTHERN CORP	RBEG	RBCS ENTERPRISE GRANTS	07/16/19	0	51,000	0	This Rural Development investment will be used to provide direct, targeted technical assistance to administer USDA Rural Microenterprise Assistance Program (RMAP)and training for the development or expansion of small and emerging private businesses in rural areas which will employ ten or fewer new employees and have less than $1 million in gross revenue. The project will serve any eligible business located in Siskiyou County. Estimated that the program will create 7 jobs and retain 3 jobs.
CALIFORNIA	GREAT NORTHERN CORP	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG GRANTS	09/25/19	0	12,792	0	
CALIFORNIA	GUNROCK LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/10/19	0	17,250	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Gunrock LLC operates a rice farm in Yuba County near the town of Nicolaus, CA. Project funds will be used for the purchase of a 30kW solar array to offset electrical costs and supply power for farm operations. This project will realize $7,292 per year in savings, and will replace 47,758 kWh per year, which is enough electricity to power 6 homes
CALIFORNIA	HABIB, MARSHA	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	19,973	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Marsha Habib operates a family owned organic vegetable farm. Project funds will be used for the purchase of a 27 kW solar array to offset electrical costs and supply power to water well pumps for land irrigation. This project will realize $11,500 per year in savings, and will replace 46,000 kWh per year, which is enough electricity to power 5.1 homes.
CALIFORNIA	HOFFMAN, KIRKMAN J	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/12/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Kirkman J. Hoffman DBA: Hoffman Farm operates a family owned vineyard, mandarin orchard, and a small rural law firm. Project funds will be used for the purchase of a 31 kW solar array to offset electrical costs and supply power to water well pumps for land irrigation and buildings. This project will realize $12,923 per year in savings, and will replace 53,182 kWh per year, which is enough electricity to power 5.9 homes.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
CALIFORNIA	INDIAN DISPUTE RESOLUTION SERVICES INC.	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	07/12/19	0	63,592	0	This Rural Development investment will be used to provide training and technical assistance in microenterprise and small business skills development to entrepreneurs living on reservations.
CALIFORNIA	INPIPE ENERGY DEVELOPMENT, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/18/19	0	98,750	0	
CALIFORNIA	IP MALBEC, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/17/19	1,900,000	0	0	This Rural Development loan guarantee will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. IP Malpac, LLC is a newly created entity for the purposes of generating electricity in Napa County, CA. The funds will be used for the purchase and installation of a 1.441 MW solar power generation facility to export and sell electricity. The system is estimated to produce 2,716,285 kWh per year, which is enough electricity to power 335 homes.
CALIFORNIA	JS JOHAL & SONS, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/25/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. JS Johal & Sons, Inc. is a family owned tree nut farm producing walnuts on 500 acres near Yuba City, CA. Project funds will be used for the purchase of a 147.5kW solar array to offset electrical costs for business operations. This project will realize $56,479 per year in savings, and will replace 227,739 kWh per year, which is enough electricity to power 28.1 homes.
CALIFORNIA	LAKE COUNTY BORT RESPONSE TEAM	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	125,000	0	This Rural Development investment will be used to provide technical assistance to small businesses in the areas of business planning, business development, access to capital, cash flow management, marketing, and overall business management. The project will be implemented in close coordination with the Small Business Development Center, the Lake County Chamber of Commerce, local colleges, Career Point Lake, SCORE and other local service providers. Number of jobs expected to be created 5 or saved 20.
CALIFORNIA	LILLASKOG LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/10/19	0	13,701	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Lillaskog LLC is a family owned lodge near Yosemite National Park used for family reunions, larger parties, special events, retreats and weddings. Project funds will be used for the purchase of a 15.4kW solar array to offset electrical costs and supply power for business operations. This project will realize $44,157 per year in savings, and will replace 22,970 kWh per year, which is enough electricity to power 2.8 homes.
CALIFORNIA	LITTLE, SHARON RENEE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/05/19	0	9,314	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Sharon Renee Little runs a family owned cattle ranch. Project funds will be used for the purchase of a 8 kW solar array to supply power to a new water well and pump designed to mitigate extreme drought conditions and supply water to cattle. This project will realize $5,350 per year in savings, and will replace 13,718 kWh per year, which is enough electricity to power 1.5 homes.
CALIFORNIA	LOHGARH, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/11/19	0	81,445	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Lohgarh, Inc. is a family owned gas station/mini market business located in the Mojave Desert. Project funds will be used for the purchase of a 182kW solar array to offset electrical costs and supply power for business operations. This project will realize $44,157 per year in savings, and will replace 359,000 kWh per year, which is enough electricity to power 44.3 homes.
CALIFORNIA	LOLONIS FAMILY VINEYARDS AND WINERY, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/28/19	0	12,766	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Lolonis Family Vineyards and Winery, Inc. has been a family operation for over 100 years. Project funds will be used for the purchase of a 18kW solar array to offset electrical costs and supply power to water well pumps for land irrigation. This project will realize $5,312 per year in savings, and will replace 37,680 kWh per year, which is enough electricity to power 4.2 homes.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
CALIFORNIA	LOMA LINDA VINEYARDS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/12/19	0	25,410	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Loma Linda Vineyards, LLC is a family style vineyard and winery business in San Luis Obispo County, CA. Project funds will be used for the purchase of a 36kW solar array to offset electrical costs and supply power for business operations. This project will realize $16,403 per year in savings, and will replace 58,584 kWh per year, which is enough electricity to power 7.2 homes.
CALIFORNIA	LOMA SECA, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Loma Seca, LLC is a 3rd generation family owned 32-acre wine vineyard operation in Paso Robles, CA. Project funds will be used for the purchase of a 19kW solar array to offset electrical costs and supply power for avocado tree irrigation. This project will realize $4,193 per year in savings, and will replace 29,742 kWh per year, which is enough electricity to power 3.7homes.
CALIFORNIA	MARUTI SHINGLE TOWN PROPERTIES LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/14/19	2,447,000	0	0	Acquisition by an experienced operator of an existing fueling station/store and commercial lease facility that supports the local rural community and traveling public.
CALIFORNIA	MOONSHINE DAIRY	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/10/19	0	19,804	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Moonshine Dairy operates a large dairy farm near Crows Landing, CA. Project funds will be used for the purchase of a refrigeration heat recovery system designed to eliminate the cost of liquid propane gas currently used to heat hot water for cleaning and sanitizing the dairy. This project will realize $27,750 per year in savings, and will replace 422,776 kWh per year.
CALIFORNIA	MOUNTAIN VIEW BARBEQUE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/24/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Jeffrey Hayward Hinds is DBA: Mountain View Barbeque in Mono County, CA. This is a family style restaurant draws customers from a vast rural area. Project funds will be used for the purchase of a 28kW solar array to offset electrical costs and supply power for business operations. This project will realize $7,526 per year in savings, and will replace 45,001 kWh per year, which is enough electricity to power 5.5 homes.
CALIFORNIA	NORTH COAST OPPORTUNITIES, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	50,000	0	This Rural Development investment will be used to support and provide targeted TA, training, and other activities that lead to the development or expansion of small and emerging private businesses in rural areas. The food Hub will be paying a feasibility study done to understand all the funding streams for the food hub which will strengthen development of small farm and retail businesses in Mendocino & Lake Counties.
CALIFORNIA	OCEANIC MORRO BAY LP	BI	GUARANTEED B&I 3% FEE LOAN	05/20/19	4,675,000	0	0	This Rural Development loan guarantee investment will be to purchase of a 32-room lodging facility located in Morro Bay, CA which is commonly known as Ascot Inn at the Rock. This is a limited service boutique hotel. The subject business will create 3 and save 6 jobs in a rural community with a population of only 10,234.
CALIFORNIA	OCEANIC SLO LP	BI	GUARANTEED B&I 3% FEE LOAN	06/28/19	5,720,000	0	0	
CALIFORNIA	PLEASURE POINT MARINA, LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/28/19	2,200,000	0	0	This is a rate and term refinance for an existing SBA loan. Lender and USDA fee is to be financed with loan proceeds.
CALIFORNIA	PLYMOUTH, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/15/19	0	20,000	0	The Rural Development investment will be used to take on a how can we improve the lives of our citizens, enhance the experience of our visitors, and promote entrepreneurship for all age groups by providing internet based marketing and business training. It will create internet based business and save hospitality business needed dollars for new hires in Amador County, City of Plymouth. Number of jobs expected to be created 6 and number of jobs expected to be saved 3.
CALIFORNIA	QUEEN HOSPITALITY, INC.	BI	GUARANTEED B&I 3% FEE LOAN	11/30/18	5,137,000	0	0	THIS PROJECT INVOLVES THE PURCHASE OF AN EXISTING 58-ROOM BEST WESTERN HOTEL, A VACANT LAND FOR FUTURE EXPANSION AND FINANCE CLOSING COSTS.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
CALIFORNIA	ROPLAST INDUSTRIES, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/13/19	0	198,375	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Roplast Industries, Inc. is a manufacturer of plastic bags with a top priority to reduce its high energy use and costs. Project funds will be used for the purchase of a 345kW solar array to offset electrical costs for business operations. This project will realize $85,678 per year in savings, and will replace 549,219kWh per year, which is enough electricity to power 67.7 homes.
CALIFORNIA	RP NAPA SOLAR 1, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	08/12/19	4,500,000	0	0	This Rural Development loan guarantee will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. RP Napa Solar 1, LLC is a newly created entity for the purposes of generating electricity in Napa County, CA. The funds will be used for the purchase and installation of a 3.991 MW solar power generation facility to export and sell electricity. The system is estimated to produce 3,991,000 kWh per year, which is enough electricity to power 492 homes.
CALIFORNIA	RURAL COMMUNITY ASSISTANCE CORP	IRP	INTERMEDIARY RELENDING PROGRAM	09/06/19	0	0	1,000,000	Funds will be used to provide financing to RCAC to re-lend to business and for community development projects in rural communities.
CALIFORNIA	RUSSIAN RIVER CHAMBER OF COMMERCE	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	50,000	0	The Rural Development investment will be used for strategic plan for rural development that will identify and analyze business opportunities that will use local rural materials or human resources, etc. in Sonoma County, City of Guerneville, CA. The region has been hit with multiple disasters that have sapped resilience and capacity in everything from leadership focus to budget. In 2019, $155 million in damages due to flooding. Number of jobs expected to be created 35 or saved 120.
CALIFORNIA	S&K INNS OF AMERICA, INC	BI	GUARANTEED B&I 3% FEE LOAN	05/20/19	9,950,000	0	0	Purchase of an existing hospitality facility that will prevent the loss of employment opportunities plus create two new jobs.
CALIFORNIA	SAMRA & SONS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/11/19	0	125,419	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Samra & Sons, Inc. is a gas station and mini market located in the high desert on Interstate 15 between Los Angeles and Las Vegas. Project funds will be used for the purchase of a 250kW solar array to offset electrical costs for business operations. This project will realize $55,350 per year in savings, and will replace 450,000kWh per year, which is enough electricity to power 55.5 homes.
CALIFORNIA	SIYARAM LLC	BI	GUARANTEED B&I 3% FEE LOAN	12/19/18	8,175,000	0	0	PURCHASE OF EXISTING LODGING FACILITY AND REMODEL TO MEET CURRENT HOLIDAY INN EXPRESS FRANCHISE REQUIREMENTS.
CALIFORNIA	TERNERO FARMS	VAPG	VALUE-ADDED PRODUCER DVLP GRANTS-DISCR	02/01/19	0	250,000	0	This Rural Development investment will be used to fund a Value-Added Producer Grant project for Ternero Farms. Value-Added Producer Grant Working Capital funds will be used to further Ternero Farms olive oil project which is using on farm produced olives. Specifically, Value-Added Producer Grant funds will go to pay for olive oil processing expenses, transportation expenses, supplies, administrative expenses, marketing expenses, and branding expenses. Funds will help with the creation of one job in the subject community of Lincoln, CA.
CALIFORNIA	TRIO EQUIPMENT COMPANY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/10/19	0	19,140	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Trio Equipment Company started farming operations in 1988 and encompasses 10,000 acres producing various crops 12 month a year. Project funds will be used for the purchase of a 76kW solar array to offset electrical costs and supply power for business operations. This project will realize $15,600 per year in savings, and will replace 130,000 kWh per year, which is enough electricity to power 16 homes.
CALIFORNIA	ULTIMATE INVESTORS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/15/19	8,172,000	0	0	The purpose of this transaction is for the purchase of an existing winery operation located in Temecula, CA. The winery is approx. 96 acres that includes the vineyards for growing the grapes used to make wine at the subject facility.
CALIFORNIA	VALLEY SMALL BUSINESS DEVELOP CORPORATIO	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG GRANTS	09/24/19	0	89,626	0	This Rural Development investment will be used to provide technical assistance to microentrepreneurs and microenterprises that are located within the Micro Development Organization s (MDO s) service area in California. Technical assistance will be available to applicants, potential applicants and existing borrowers that have received loans from the MDO under their Rural Microloan Revolving Loan Fund.

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CALIFORNIA	WRK, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/15/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. WRK, LLC is a family owned 60-acre avocado orchard located in prime avocado grow area near Fallbrook, CA. Project funds will be used for the purchase of a 26kW solar array to offset electrical costs and supply power for avocado tree irrigation. This project will realize $10,393 per year in savings, and will replace 41,575 kWh per year, which is enough electricity to power 5.1homes.
COLORADO	BAR D SOLAR, LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/30/18	4,200,000	0	0	This project is for the permanent financing of a 5.394MW solar farm in Meeker, CO. The solar panels will be installed on leased land and the loan will be secured by equipment and various leases and power purchase agreements. Guarantee will not be issued until the facility is operational and producing at expected capacity.
COLORADO	CAMPBELL, LINDA	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	11,103	0	9.6KW GROUND MOUNTED SOLAR PY SYSTEM WHICH WILL PRODUCE 22628KWH ANNUALLY, AND WILL OFFSET 120% OF THE APPLICANT'S ANNUAL ELECTRICAL NEEDS FOR THEIR SMALL AG OPERATION AND IS EQUIVALENT TO THE ANNUAL ENERGY NEEDS OF 2.18 HOMES.
COLORADO	CARVER BREWING COMPANY, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	10,710	0	0
ARIZONA	CATAPULT DESIGN	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	06/26/19	0	22,240	0	This Rural Development investment will be used to design and launch a searchable database of 500+ Native American small businesses. Most Native businesses on the Navajo Nation Reservation in Ariz. don't have an online presence and the goal is to help sustain and strengthen these businesses by enabling them to acquire new customers.
COLORADO	CITY OF GLENWOOD SPRINGS	RBEG	RBCS ENTERPRISE GRANTS	05/17/19	0	93,000	0	This Rural Development investment will be used to establish a revolving loan fund within the boundaries of the City of Glenwood Springs, Colorado. The fund is going to focus on assisting small businesses with updating the fire suppression systems within their buildings, but will also be available for working capital or equipment loans.
COLORADO	COLORADO COMMUNITY REVITALIZATION	RBEG	RBCS ENTERPRISE GRANTS	05/15/19	0	20,000	0	This Rural Development investment will be used to assist 3 rural towns, Brush, Lamar and Silverton Colorado to assist their downtown businesses and districts to improve their digital marketing, including website and social media, to attract more tourists to their businesses and towns.
COLORADO	COLORADO FEDERAL AGENCY, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/22/19	0	17,681	0	0
COLORADO	COURTNEY KING STUDIOS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	4,897	0	0
COLORADO	FIRST SOUTHWEST BANK	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	25,558	0	0
COLORADO	FIRST SOUTHWEST COMMUNITY FUND	RBEG	RBCS ENTERPRISE GRANTS	05/15/19	0	25,000	0	This Rural Development investment will be used to professionally explore creating a washing/packaging facility for an organic egg producer that currently must ship their eggs 260 miles to Denver. The grant will include a market analysis, building engineering and a business plan for this business in Del Norte, Colorado.
COLORADO	FIRST SOUTHWEST COMMUNITY FUND	RBEG	RBCS ENTERPRISE GRANTS	07/15/19	0	129,000	0	This Rural Development Investment will be used to establish a Revolving Loan Fund to focus on small business development within the Southern Ute Indian Reservation in southwest Colorado.
COLORADO	GILCREST II, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	08/01/19	0	250,000	0	0
COLORADO	HISPEED4U, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	10,982	0	10.24 KW SOLAR PV SYSTEM THAT WILL GENERATE 20,623KWH ANNUALLY AND OFFSET 115% OF THIS RURAL SMALL BUSINESS'S ANNUAL ELECTRICAL USAGE. THIS IS EQUIVILENT TO THE ANNUAL USUAGE OF 1.9 HOMES.
COLORADO	KW FARMS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/31/19	0	8,556	0	13KW ROOF MOUNTED SOLAR PV SYSTEM THAT WILL OFFSET 75%, OR 20,853KWH OF THIS CATTLER FEEDERS ANNUAL ELECTRICAL USAGE FOR IRRIGATION. THE OFFSET IS THE EQUIVILENT TO THE ANNUAL ELECTRICAL USAGE OF 1.9 HOMES.
COLORADO	MCG3, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	19,297	0	37.8KW ROOF MOUNTED SOLAR PV SYSTEM THAT WILL PRODUCE 48396KWH ANNUALLY AND WILL OFFSET 86.36% OF THIS RURAL SMALL BUSINESSES ANNUAL ENERGY USAGE AND IS EQUIVILENT TO THE ANNUAL ELECTRICAL USAGE OF 4.47 HOUSEHOLDS
COLORADO	MEURISSE, DARVIN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/22/19	0	6,879	0	0

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COLORADO	NORTH PARK SUPERS, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/15/19	0	16,969	0	North Park Supers, LLC is the only grocery story located in Jackson County Colorado, one of the least populated counties in western Colorado. The project will entail a complete replacement of all inefficient lighting and fixtures with new energy efficient LED lights and fixtures. These improvements are estimated to save 104,296 kWh annually, which is equivilent to the the annual electrical useage of 9.6 homes. Project is estimated to save the applicant $11,368 annually.
COLORADO	ODELLS SUPER'S, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/15/19	0	11,260	0	Odells Super's, LLC is the only grocery store located in rural Washington County, Colorado. The next grocery store is over 20 miles way. This energy efficiency project will entail a complete replacement of all inefficient lighting and fixtures with new energy efficient LED lighting. The project is estimated to reduce the annual electrical usage for lighting by 77,340kWh annually, which is the equivilent to the annual electrical usage of 7.1 homes. The proejject is also estimated to save the applicant $7,734 on their annual electric bill.
COLORADO	PARKER, DALE C	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	7,955	0	9.15 KW Solar PV system that will produce 14417kWh annually and offset 117% of this Agricultural producers annual electric needs for his irrigation pumps and cattle operation. This is equivalent to the annual energy usage of 1.39 homes
COLORADO	REGION 10 LEAGUE FOR ECONOMIC ASSISTANCE	RBOG	RBCS DEVELOPMENT GRANT	05/31/19	0	36,000	0	This Rural Development investment will provide for an area wide survey of the smaller towns in the counties of Delta, Gunnison, Hinsdale, Montrose, Ouray and San Miguel, Colorado to develop a master plan for each small town to help them attract small businesses.
COLORADO	ROCKY MT FARMERS UNION	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/23/19	0	200,000	0	Rural Development funds will be used to assist incorporating 5 new cooperatives, create 17 jobs and complete 5 business/feasibility/marketing plans. Service area will cover rural areas in Colorado, New Mexico and Wyoming.
COLORADO	SAINT COLUMBIA SOLAR, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	49,845	0	0
COLORADO	SAN LUIS VALLEY LOCAL FOODS COALITION	RBEG	RBCS ENTERPRISE GRANTS	05/15/19	0	30,000	0	This Rural Development investment will assist a new, local food cooperative in Southern Colorado with administrative and board of director development as well as providing a detailed marketing plan that will culminate with a product showcase for potential buyers of their varied produce and products in Denver, Colorado.
COLORADO	SHOP-ALL, INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/26/19	0	12,783	0	Shop-All, Inc is the only grocery store in Yuma, CO, and they will be replacing all their inefficient T12 and T8 lighting fixtures with new energy efficient LED fixtures. This will reduce their energy usage on lighting by 113,276 kWh annually, which is equivilent to the the annual electricity usage of 109 homes
COLORADO	SUNDAY, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/26/19	0	106,597	0	0
COLORADO	WIGGINS SUPERS, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/15/19	0	7,928	0	Wiggins Supers, LLC is a located in rural eastern Colorado and is the only grocery store withing 25 miles. They are replacing all their inefficient t8 and t12 light fixtures at this time with new efficient LED fixtures. this project is estimated to reduce their annual electrical lighting usage by 53,394kWh annually, which is equivilent to the annual electricity usage of 4.93 homes and is estimated to reduce their energy bill by $5,339 annually.
CONNECTICU	33 CAMPS ROAD LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	10,019	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 10 kW solar array. This project will realize $3,047 per year in savings, and will replace 14,790 kWh (50 %) per year, which is enough electricity to power 1 home.
CONNECTICU	ANGEVINE FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	14,728	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 21.96 kW solar array. This project will realize $3,887 per year in savings and will replace 22,837 kWh (109.39%) per year, which is enough electricity to power 1.89 homes.
CONNECTICU	CONNECTICUT RC&D AREA, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	53,000	0	This Rural Development investment will be used to support the implementation of a Pilot project "Access to Agriculture with CT Rural Transit: Putting Local Healthy Food on the Map". This will support the integration of rural agriculture producers and healthy locally produced food to transit dependent and underserved rural populations with the specific objective of supporting farm business in rural areas. Jobs saved 547

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CONNECTICU	CONNECTICUT RC&D AREA, INC.	REAR	REAP ENERGY AUDIT RECIPIENT	03/22/19	0	88,000	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to conduct approximately 20 energy audits for rural small businesses & agricultural producers throughout the state of Connecticut.
CONNECTICU	EARTH'S PALATE FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	13,722	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 12.81 kW solar array. This project will realize $3,412 per year in savings and will replace 16,428 kWh (86.65%) per year, which is enough electricity to power 1.52 homes.
CONNECTICU	ELM FARM LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	29,475	0	This Rural Development investment will be used for the purchase and installation of a 54.6kW ground mounted solar array. Elm Farm LLC will realize $8,657 per year in savings, and will replace 66,594kWh per year. This project will save enough electricity to power 6.15 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
CONNECTICU	EPIC FARM LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	34,034	0	This Rural Development investment will be used for the purchase and installation of a 47kW roof mounted solar array. Epic Farm will realize $8,859 per year in savings, and will replace 59,470kWh per year. This project will save enough electricity to power 5.49 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
CONNECTICU	HARDSCRABBLE LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	49,195	0	This Rural Development investment will be used for the purchase and installation of a 67.9kW roof mounted solar array. Litchfield Distillerty will realize $10,275 per year in savings, and will replace 85,625kWh per year. This project will save enough electricity to power 7.9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
CONNECTICU	MICHAEL'S GREENHOUSES INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	106,680	0	This Rural Development investment will be used for the purchase and installation of a 177kw roof mounted solar array. Michael's Greenhouses will realize $23,742 per year in savings, and will replace 208,287 kWh per year. this project will save enough electricity to power 19 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
CONNECTICU	MOHEGAN RENEWABLE ENERGY (MS) LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/29/19	7,500,000	0	0	This Rural Development loan guarantee investment will be used to provide permanent, long-term financing of the acquisition, improvement, and operation of an existing commercial scale manufacturing plant for wood pellets located in Quitman, Mississippi. The Project represents the de minimis retrofit of an existing 180,000 metric ton wood pellet manufacturing operation for the production of wood pellets to the export market (United Kingdom). Jobs created: 28
CONNECTICU	NORFOLK INDUSTRIES LLC DBA HUSKY MEADOWS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	19,825	0	This Rural Development Investment will be used for the purchase and installation of a 24KW roof mount solar array. This family owned, locally operated farm provides fresh local food to the community. The system will produce 31,000 kWh annually, offsetting 193% of the historical energy used by the farm, or enough to power 2 homes.
CONNECTICU	SEITZ LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/22/19	2,500,000	0	0	This Rural Development loan guarantee investment will be used to provide $7,500,000 overall B&I funding to support high wage technical manufacturing firm located in rural CT. Jobs saved 132.
CONNECTICU	SEITZ LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/22/19	5,000,000	0	0	This Rural Development loan guarantee investment will be used to provide $7,500,000 overall B&I funding to support high wage technical manufacturing firm located in rural CT. Jobs saved 132.
CONNECTICU	SHAGBARK LUMBER & FARM SUPPLIES INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	49,982	0	This Rural Development investment will be used for the purchase and installation of a Hybrid 47.7kW roof mounted solar array with a 10-ton direct use geothermal system to offset the needs electrical, heating, & coolong. Shagbark will realize $8,657 per year in savings, and will replace 66,594kWh per year. This project will generate enough energy to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
CONNECTICU	STEADFAST FARMS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	7,791	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 13.44 kW solar array. This project will realize $1,764 per year in savings and will replace 14,706 kWh (100%) per year, which is enough electricity to power 1.36 homes.
CONNECTICU	SUN ONE ORGANIC FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	6,650	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 3.24 kW solar array. This project will realize $865 per year in savings and will replace 4,520 kWh (90.04%) per year, which is enough electricity to power 0.42 homes.
CONNECTICU	THE ARC NEW LONDON COUNTY, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	62,000	0	This Rural Development Investment will be used to provide funding for architectural and planning survey for the buildings that provide the program services to elderly people with intellectual and developmental disabilities.
DELAWARE	ASA PROPERTIES, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/20/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 32.45 kW roof mount solar array. ASA Properties, a dental practice, will realize $4,920 per year in savings, and will replace 35,144 kWh (97.62%) per year. This project will save enough electricity to power 3 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvement to their operations.
DELAWARE	BAYSIDE EXTERIORS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/12/19	0	8,202	0	This Rural Development investment will be used for the purchase and installation of a 20.46 kW roof mount solar array. Bayside Exteriors, a family-owned and operated exterior contractor that specializes in roofing and siding projects, will realize $3,183 per year in savings, and will replace 26,520 kWh (110.50%) per year. This project will save enough electricity to power 2.4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Funding Sources: $ 8,202 USDA Rural Development REAP Grant $27,000 Applicant Contribution $ 3,000 State Applicant Contribution, State: $30,000.00 Previous Funding USDA Rural Development REAP Grant FY15 $8,890.
DELAWARE	CAREY FARMS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/15/19	0	93,750	0	This Rural Development investment will be used for the purchase and installation of a 374.88 kWh solar array. Carey Farms, Inc. a family owned poultry farm will realize $38,570.72 per year in savings, and will replace 482,134 kWh (101%) per year. This project will save enough electricity to power 44 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvement to this operations.
DELAWARE	COLLINS, LEROY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 101.175 kW solar electric system. Beth and Leroy Collins, owners of a family-owned and operated poultry farm, will realize $9,317 per year in savings, and will replace 139,074 kWh (93%) per year. This project will save enough electricity to power 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
DELAWARE	CSC AUTO CENTER, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/15/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 29.40 kWh solar array. CSC Auto Center, LLC is an auto repair shop and will realize $5,422 per year in savings and will replace 38,732 kWh (68.53%) per year. This project will save enough electricity to power 3 homes. The purpose of this funding program is to assist farmers, ranchers and rural small business in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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DELAWARE	DOWNTOWN MILFORD, INC	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	12,000	0	This Rural Development investment will be used to contract for the development of the Vinyard Shipyard Vision & Marketing Plan. The Vinyard Shipyard is a historic shipyard located in downtown Milford, DE. The current owners of the facility have restored the historic site. The facility includes a boat house, wood shop, machine shop, railway building, offices and a warehouse. Downtown Milford, Inc. is providing assistance to the Shipyard owners by contracting for the vision and marketing plan, which will help determine the best use of the facility. Downtown Milford, Inc. and the City of Milford have an interest in the use of the property due to the historic nature and the location of the property. The property is located among several existing downtown City attractions. Downtown Milford, Inc. has financially supported the first phase of the project of a feasibility study. Local businesses have expressed support due to the potential to attract more business to the downtown area. The community will benefit from preservation of the historic site, economic development in the area and potential for public and private use of the site.
DELAWARE	FOOD BANK OF DELAWARE INC.	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	50,000	0	This Rural Development investment will provide scholarships for seven under-employed and unemployed residents of Kent and Sussex counties to attend a 14-week culinary arts employment training program at the Food Bank of Delaware's Milford facility. This culinary arts training program teaches skills desirable to employers in the food industry.
DELAWARE	FOX CHASE, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/18/19	0	98,531	0	This Rural Development investment will be used for the purchase and installation of a 222.75 kWh roof mounted solar array. Fox Chase, LLC . a family owned poultry farm, will realize $16,939 per year in savings, and will replace 252,828 kWh (113%) per year. This project will save enough electricity to power 26 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy system and in making energy-efficiency improvements to their operations.
DELAWARE	GC FARMS, INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/31/19	0	49,999	0	This Rural Development investment will be used for the purchase and installation of a 107.03 kW roof mount solar array. GC Farms Inc, a poultry farm operation, will realize $15,157 per year in savings, and will replace 144,356 kWh (93%) per year. This project will save enough electricity to power 13 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
DELAWARE	H & J WRIGHT FAMILY FARMS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/21/19	0	20,000	0	This Rural Development investment will be used by H&J Wright Family Farms, LLC to purchase and install a solar renewable energy system. USDA's investment will help purchase a 62.4 ground panel solar array and install the system on the farm's property. H&J Wright Family Farms, LLC reported a past energy usage of 71,853 kwh of energy per year, which is enough to power approximately 7 homes. This investment will save the farm $9,628.30 per year in energy costs. H&J Wright Family Farms, LLC is a Turkey and Grain farm located in Delmar, Sussex County Delaware. Additional funding for this project includes an applicant contribution of $125,300.
DELAWARE	HARRINGTON, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	50,000	0	his Rural Development investment will be used to fund professional engineering services necessary for the planning and development of the extension of water and sewer infrastructure to three parcels identified for industrial development and redevelopment. The City of Harrington will obtain a consulting engineer to complete the preliminary engineering analysis and master plan for approximately 131 acres of land currently zoned as manufacturing and industrial. The project will allow Harrington to formulate a plan to make these parcels of land "shovel-ready" so that potential businesses can expand, locate, or relocate. This project will be completed in coordination with a transportation related improvements being funded by the Dover/Kent Metropolitan Planning Organization. The purpose of this funding program is to support targeted technical assistance, training, and other activities leading to the development or expansion of small and emerging private businesses in rural areas.

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DELAWARE	KENT ECONOMIC PARTNERSHIP	RBOG	RBCS DEVELOPMENT GRANT	07/29/19	0	20,000	0	This Rural Development investment will be used to fund a Feasibility Study on the East-West truck freight capacity in Kent County, Delaware. The study will provide recommendations on establishing a preferred set of improvements for east-west truck freight and explore infrastructure improvements such as a commercial truck bypass or new bridges which may be required to insure safety and continued growth in Kent County. Additional funding for this project is provided by the Kent County Metropolitan Planning Organization and Kent County Levy court. The purpose of this funding program is to fund various business opportunity and enterprise projects that serve rural areas.
DELAWARE	KHS HOLDINGS LLC/MID-SOUTH AUDIO LLC	BI	GUARANTEED B&I 3% FEE LOAN	05/09/19	2,300,000	0	0	
DELAWARE	LOMAS PROPERTIES LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/24/19	0	15,298	0	This Rural Development investment will be used for the purchase and installation of a 28.2 kWh roof-mounted solar array. Lomas Properties (Crosswinds Motel) operates as a motel business and will realize $4,673 per year in savings, and will replace 32.68 kWh (100%) per year. This project will save enough electricity to power 3 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy system, and in making energy-efficiency improvement to their operations. Additional funding for this project includes an applicant contribution of $45,896 for a total project cost of $61,194.
DELAWARE	OTWELL, WILLIAM R.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/28/19	0	67,500	0	This Rural Development investment will be used for the purchase and installation of a 142.56 kWh roof mounted solar array. Annalyn Farm is a family owned poultry farm which will realize $14,500.52 per year in savings, and will replace 195,953 kWh (90%) per year. This project will save enough electricity to power 18 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy system and in making energy-efficiency improvements to their operations.
DELAWARE	PENNELL, VINCENT DONALD	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/16/19	0	121,555	0	This Rural Development investment will be used for the purchase and installation of a 281.4 kWh solar array. Haven Farms, LLC ., is a family owned poultry farm, and will realize$31,751.06 per year in savings, and will replace 387,208 kWh (100%) per year. This project will save enough electricity to power 35 homes. The purpose of this funding program is to assist farmers, ranchers and rural small business in developing renewable energy systems, and in making energy-efficiency improvement to their operations.
DELAWARE	REM FARMS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/04/19	0	23,196	0	This Rural Development investment will be used for the purchase and installation of a 455.5 kWh roof mounted solar array. REM Farms, LLC a family owned poultry farm will realize $37,933.66 per year in savings, and will replace 566,178 kWh (96%) per year. This project will save enough electricity to power 51 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy system and in making energy-efficiency improvements to their operations.
DELAWARE	SKOTTA JR. WILLIAM F.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/17/19	0	120,978	0	This Rural Development investment will be used for the purchase and installation of a 277.2 ground mount solar system. William F. Skotta Jr. is an agricultural producer that specializes in poultry will realize $21,334.46 in savings, and will replace 313,742 kWh (75%) per year. This project will save enough electricity to power 28 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
DELAWARE	TRI-OAK FARMS INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/16/19	0	75,905	0	This Rural Development investment will be used for the purchase and installation of a 158.4 kW solar array. Tri-Oak Farms, Inc. a family owned grain and watermelon farm, will realize $15,747 per year in savings, and will replace 202,457 kWh (100%) per year. This project will save enough electricity to power 15 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
DELAWARE	TRUE ACCESS CAPITAL CORPORATION	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/26/19	0	42,254	0	Microenterprise lending and technical assistance for rural businesses in Kent County, Sussex County, and Southern New Castle County, Delaware.

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FLORIDA	1M HOLDINGS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	04/03/19	4,210,500	0	0	Rural Development loan guarantee funds will be utilize to purchase the Ocala North RV Park Located at Roddick, Florida. This loan will provide funding for the company to have 168 RV sites available to rent by the time the high season begins January 1, 2019. The RV park is conveniently located next to US Interstate 75 (I75), a major highway for campers traveling to Florida; to restaurants which are about 2 minutes northeast; to Orange Lake, a very large lake that is famous for fishing, which is about 5 minutes northeast just across I75. The common areas include a clubhouse, recreational hall and laundry, a heated swimming pool, pool bath house, managers quarters, pole barn for equipment storage, paved RV pads, shuffle board court, horseshoe pit, mail kiosk, several decks, paved parking lot, paved roads throughout the park and fence. This project will create 13 jobs for the community.
FLORIDA	BAR SATSUMA LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/19/19	0	26,662	0	Rural Development investment will be used be used for the purchase and installation of a 47 kW Solar PV System. Bar Satsuma, LLC will realize yearly savings. This project will save enough electricity to power multiple homes and produce 64,056kwh. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This Rural Development investment will be used for the purchase and installation of a 47 kw solar array.
FLORIDA	CROSS CITY	RBEG	RBCS ENTERPRISE GRANTS	07/02/19	0	300,000	0	The Rural Development investment will be used to extend the wastewater lines of the Town of Cross City to two businesses who are having issues with their septic systems. This will save 33 jobs. This community suffers from long-term population decline, high poverty, and is a State Rural Area of Opportunity as it has been affected by extraordinary economic events or natural disasters.
FLORIDA	DAMASCUS PEANUT COMPANY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/24/19	0	192,295	0	This Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Damascus Peanut is a small business. Project funds will be used for the purchase and installation of a 983 kW solar array. The project will realize $98,538 in savings, and will replace 1,421,900kWh per year, which is enough electricity to power 131 homes.
FLORIDA	DEROOSE PLANTS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/19/19	0	123,975	0	Rural Development investment will be used for the purchase and installation of a 174 kW ground mount solar PV system. Deroose Plants, Inc., is a wholesale foliage nursery that will realize $35,287 savings and generate 271,440 kW per year, which is enough electricity to power 25 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
FLORIDA	DO IT YOURSELF LETTERING, INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/25/19	0	26,800	0	This Rural Development investment will be used for the purchase and installation of a 46.6 KW Solar array. Do It Yourself Lettering Inc., will realize $8,426 per year in savings, and will replace 74,107 kWh (94 per cent) per year. This project will save enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
FLORIDA	FANNING SPRINGS STORAGE, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/16/19	0	16,625	0	This Rural Development investment will be used for the purchase and installation of a 27.3 kwh solar system to provide renewable energy for office lightning, operations and to climate control the storage rooms at the facility. Fanning Springs Storage, will realize 4,698 per year in savings, and will replace 44,269 kWh(97%) per year. This project will save enough electricity to power 4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
FLORIDA	FELLSMERE AZTECA, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/23/19	0	4,941	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of 2 HVAC's and 1 Walk-in coolers. Fellsmere Aztec, Inc is an existing business that sells grocery to the local area. This project will realize $651 per year in savings, and will replace 20,195,628kWh (32 percent) per year. The purpose of this funding is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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FLORIDA	GLF-BOYNTON BEACH, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/26/19	1,500,000	0	0	Rural Development loan guarantee funds will be used to purchase and installation of equipment needed due to a project re/design. ONI is a hydroponic facility in Boynton Beach Florida. This is a subsequent loan needed because of a project re-design. ONI will greatly benefit from the re-design because it will dramatically improve efficiencies and scale up the capacity. This will result in increased production on a smaller land scale. The area of Boynton Beach will benefit from the 22 jobs that will be created for the area.
FLORIDA	HENDRY COUNTY SCHOOL DISTRICT	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	436,334	0	Rural Development funds will be used to purchase HVAC Electrician Equipment for a Workforce Development Project. The project is located in Clewiston, Fl in Hendry County. Hendry County has a significant unemployment rate and a need for specialized workforce. These funds will assist the small and emerging businesses with workers that are specialized and prepared to meet the demands for HVAC and Electricians in Hendry County, Fl.
FLORIDA	HIEBERT, DARREN	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/02/19	0	4,597	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of an aercon oxygen sensor to the fish farm. Feeding Frenzy Fish Farm is an agricultural producer that raises catfish and sells them to be processed and marketed to the local communities. This project will realize $2,365 per year in savings, and will replace 21,613 per kWh (50%)per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
FLORIDA	HIEBERT, STEVEN K	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/02/19	0	15,071	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a solar powered oxygen monitoring systems to 3 catfish ponds and updating to more efficient HVAC and walk-in refrigeration unit that serve the operation. Steve's Farm and Market own/operate three, ten-acre catfish ponds. This project will save $8,857 per year in savings and will replace 65,973 kWh (36%) per year which is enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
FLORIDA	HYLDEMOER AND COMPANY LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	2,500	0	This Rural Development investment will be used for the purchase and installation of a 2.61 kW solar panels and irrigation solar well pump for the farm. Hyldemoer & Company is a woman owned small business engaged in the cultivation of native and local climate specific fruiting crops for the purpose of nursery stock sales and of production and produce sales will realize $3,153 per year in savings, and will replace 4,706 kWh (51 percent) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
FLORIDA	L & W VENISON, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/02/19	0	37,338	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase of cooler and freezers to their operations by upgrading the slaughter house. L&W Venison is an existing business that sells meat to the local area. This project will save $3,131 per year and will replace 31,308 kWh (62 percent)per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
FLORIDA	LIVING COLORS NURSERY, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/28/19	0	123,975	0	Rural Development investment will be used for the purchase and installation of a 174 kW roof mounted solar PV system. Living Colors Nursery Inc. is a nursery farm, will realize 26,601 per year in savings and will replace 271,440 kWh(96 percent)per year, which is enough electricity to power 25 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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FLORIDA	LYNNWOOD SUITES, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/28/18	10,000,000	0	0	Rural Development loan guarantee funds will be used to for the ground up construction of a TownePlace Suites by Marriott in Naples, FL. The City of Naples is located in Collier County which in a Strike Force Area and on the Gulf of Mexico in Southwest Florida and is best known for high-end shopping and golf courses. The subject properly is most easily accessible via Immokalee Road and Interstate 75. Immokalee Road connects to Tamiami Trail which is a major north/south arterial that provides access to Fort Meyers to the north and downtown Naples to the south. The subject neighborhood is characterized by single family homes, apartment buildings, schools, golf courses, county clubs, and hotels. Tarpon Bay Plaza, which includes shops and restaurants, is located on the East side of interstate 75. The closest institution, Chase Bank, is .2 miles north of, and walkable from, the subject property. Demand in the Naples market will primarily come from corporate and leisure demands. This project will create 35 jobs for the city of Naples, Florida.
FLORIDA	MAIN STREET DEFUNIAK SPRINGS INC.	RBOG	RBCS DEVELOPMENT GRANT	07/30/19	0	85,000	0	
FLORIDA	MLMC OF TAMPA, LLC	BI	GUARANTEED B&I 3% FEE LOAN	01/28/19	7,420,000	0	0	Rural Development loan guarantees funds will be used for the purchase M&E and providing working capital for an Enviro-Feedstock Cubes (EFC) company in Plant City Florida. The borrower, Materials Lifecycle Management Company of Tampa, LLC , is establishing a material recycling plant. The subject plant has entered into a lease for the industrial space to produce the EFCs, placed deposits for the long-lead production of equipment, and is scheduled to open the proposed plant for operation in 2019. This project will create 43 jobs for the city of Plant City Florida.
FLORIDA	NATURE COAST DEVELOPMENT GROUP, LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/30/18	9,800,000	0	0	Rural Development loan guarantee funds will be utilized for construction of a 5-level, 85-room, 65,000 square foot Best Western Premier Hotel, furniture, fixtures, equipment and related costs. The hotel will be located on a 5.02 acres located at the 7200 Block of U.S. Highway 19, Fanning Springs, Gilchrist County, Florida. The hotel site is ideally situated for a hotel since there are reportedly 2.4 million visitors to the immediate area and the closest branded similar-type hotel is 45 miles to the east and 50 miles to the north and south. Once the hotel is complete, the company will employ 31 fulltime employees from the local rural area. As a result of this loan, the company will provide much needed hotel accommodations to the area, the economic climate of the area will be stimulated and improved for the long term and substantial portion of the company's revenues should flow through the local rural area. This project is also on a Strike Force Area of the county.
FLORIDA	NEW VISION EYE CENTER, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/19/19	0	34,580	0	Rural Development investment will be used be used for the purchase and installation of a 72.8 kW roof mounted Solar PV System. New Vision Eye Center, LLC is an eye medical facility, will realize $6,032 per year in savings, and will produce 100,489 kWh(39 percent) per year. This project will project will save enough electricity to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
FLORIDA	PICKETT WEAPONRY SERVICE, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	19,987	0	This Rural Development investment will be used for the purchase and installation of a 40.425 kW roof mounted solar array on their store. Pickett Weaponry Service, Inc. is a small business located in Newberry, FL. This project will realize $8,254 per year in savings, and will replace 68,086 kWh (89 percent)per year, which is enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
FLORIDA	REGIONAL PROPERTIES INC.	BI	GUARANTEED B&I 3% FEE LOAN	10/30/18	1,102,000	0	0	Rural Development loan guarantees funds will be used to built a new 12-bed ICF/IID facility on the company's existing 2.27 acre property in Naranja, Miami-Dade County, Florida. Regional properties Inc. is a non-profit real estate holding corporation. The project is the 12 unit/bed ICF/IID facility replacement for a non-profit corporation that serves individuals with intellectual and development disabilities. The existing patients, employees and certificate of need for the old facility will be transferred to the new facility and the old facility will be demolished. This project will save 13 jobs for the community.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
FLORIDA	SARASOTA GROWERS INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/20/19	0	48,704	0	Rural Development investment will be used to purchase and installation of a 72.15 kW solar array. Sarasota Growers Inc. is a veteran owned farm. This project will realize $13,474 per year in savings, and will replace 112,283 kWh (100%), which is enough electricity to power 10 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
FLORIDA	SUNSHINE PEANUT COMPANY, INC.	BI	GUARANTEED B&I 3% FEE LOAN	01/28/19	3,000,000	0	0	Rural Development loan guarantee funds will be used to expand their peanut butter manufacturing and packaging production line by purchasing new equipment, increasing electrical capacity and making other improvements to their manufacturing facility. Sunshine Peanut Company purchases raw peanuts from local suppliers in Florida and Georgia. The peanuts are roasted, ground and packaged. Packages sizes range from individual single serving to 55 gallon drums. The expansion of the plant will allow for an additional 2 million pounds of production per year. This project will create 20 jobs for the community.
FLORIDA	THE LASER INVESTMENT GROUP LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/21/19	0	84,671	0	This Rural Development investment will be used for the purchase and installation of a 211 kW solar PV system. The Laser Investment Group, LLC is a newly created entity for the purpose of generating electricity to the develop site. The system will generate 285,930 kWh per year, which is enough electricity to power 26 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	1115 N COLUMBIA AVE LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/08/19	0	2,856	0	This Rural Development investment will be used for the purchase and installation of a 4.5 kW solar array on the business property of 1115 N Columbia Ave LLC. This project will replace 6,405 kWh (27%) per year, and will realize $1,178 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	AUGUSTA TECHNICAL COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	06/20/19	0	137,974	0	
GEORGIA	AUGUSTA TECHNICAL COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	06/20/19	0	44,750	0	
GEORGIA	BAL GOPAL HOSPITALITY, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/13/18	5,674,000	0	0	This Rural Development loan guarantee investment will be used to construct a new Holiday Inn Express in Vidalia, Georgia
GEORGIA	BILLY COLLINS FARMS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/25/19	0	24,875	0	This Rural Development investment will be used for the purchase and installation of an 50 kW solar energy replacement system for Billy Collins Farm, Inc., on the property at 280 Bertie Collins Road, Tattnall County, Georgia. This project will replace 81,535 kWh per year, which is enough electricity to power seven homes, and will realize $8,154 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	BLUE RIDGE MOUNTAIN EMC	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	06/04/19	0	0	2,000,000	This Rural Development investment will be used to construct a medical office building in Hayesville, NC for the implementation of a Behavioral Health Intensive Outpatient Program(IOP)with clinic. Funds will also be used to recruit additional primary care providers and resources.The proposed site for the new medical facility will be in Clay County NC. Clay County has a below average rate of general practitioners in comparison with the state and national averages.Currently Clay County does not have medical specialists such as Pediatricians, Obstetricians/Gynecologists and others. The citizens of Clay County must travel to surrounding counties, sometimes up to two hours, to reach a major medical facility for hospitalization or treatment. The current medical facility in Clay County is the Hayesville Family Practice. Hayesville Family Practice is a partner with Chatuge Regional Hospital with a small staff of 5. The REDLG funds will allow Chatuge to add eight (8) FTE s with the recruitment of additional clinical personnel for their Hayesville Family Practice. These jobs will include 2 full-time physicians and practitioners, 3 medical assistants and 3 office personnel.

RBCS FY2019 Obligations

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GEORGIA	CEDAR RIDGE POULTRY FARM INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/28/19	0	47,700	0	This Rural Development investment will be used for the purchase and installation of a 72.27 KW solar energy replacement system for Cedar Ridge Poultry Farm, on the farm s property at 3 N Canal Bridge Rd, Eastanolle, Franklin County, Georgia. This project will replace 117,929 kWh per year, which is enough electricity to power 11 homes, and will realize $12,972 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	COASTAL AREA DIST DEVELOPMENT AUTH	IRP	INTERMEDIARY RELENDING PROGRAM	04/04/19	0	0	1,000,000	This Rural Development investment will be used to create a third revolving loan fund for Coastal Area District Development Authority(CADDA). Loans will be made to ultimate recipient borrowers in Beaufort, Hampton and Jasper counties in South Carolina; Long, Evans, McIntosh, Ware, Wayne, Tattnall and Coffee counties in GA. Eligible Ultimate recipients may be individuals, public or private organizations, or other legal entities, with authority to incur the debt and carry out the purpose of the loan, be located in one of the eligible rural counties of the Intermediaries servicing area and must be unable to finance the proposed project from its own resources or through commercial credit or other Federal, State, or local programs at reasonable rates and terms.Loans from the intermediary to the ultimate recipient using the IRP revolving fund must be for community development projects, the establishment of new businesses, expansion of existing businesses, creation of employment opportunities, or saving existing jobs, business and industrial acquisitions when the loan will keep the business from closing, prevent the loss of employment opportunities, or provide expanded job opportunities, construction, machinery and equipment, and other eligible purposes according to IRP Regulation 4274-D, section 4274.314.Interest rates will be based on the current Prime rate. Terms of loans to recipients will be 7-20 years depending on loan purposes.
GEORGIA	COASTAL PINES TECH COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	06/21/19	0	27,784	0	Rural Development funds will be used to purchase equipment for establishment of a new lab for the Neuromuscular Massage Therapy program at the Waycross campus. Program graduates receive a neuromuscular therapy diploma, which qualifies them to take the the exam to become a licensed Massage Therapist.Ware, Clinch & Bacon counties in the service area are persistent poverty counties.
GEORGIA	COLLINS, BEN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/14/19	0	19,875	0	This Rural Development investment will be used for the purchase and installation of a 22.5 kW solar array on the poultry farm of Ben Collins in Collins, GA. This project will replace 62,030 kWh (65%) per year, which is enough electricity to power five homes, and will realize $7,444 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	CORNELIA CITY OF	RBEG	RBCS ENTERPRISE GRANTS	06/21/19	0	99,990	0	Relocation of power lines for safety reasons. Demolishing the existing parking area and expanding it to add approximately twenty (20) new parking spaces as well as ADA accessible spaces and ramps. The island median will be widened to include tables, lighting & landscaping to creating a more inviting & walkable atmosphere for the existing and future businesses along the Alley. Planters for ornamental trees and trash receptacles will complete the project.
GEORGIA	CURTIS DAVIS FAMILY FARM, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/22/19	0	19,832	0	This Rural Development investment will be used to make energy efficiency improvements with the replacement of a diesel to electric irrigation motor. This project will realize $11,290.50 per year in savings and will save the equivalent of 9,730 kWh of electricity per year (95.49%) which is enough electricity to power one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	DAMORE CORPORATION	BI	GUARANTEED B&I 3% FEE LOAN	03/29/19	5,000,000	0	0	This Rural Development loan guarantee investment will be used to construct a 17,063 square foot Japanese restaurant at 245 Gateway Drive, Bethlehem Georgia. The project is a new start-up business at this location. The general vicinity of the project is a developing commercial area along Exchange Blvd, which is a frontage road to GA 316 and is just south of Winder Georgia. GA 316 is a heavily travelled thoroughfare between Athens and Lawrenceville. The site is approximately 1.37 acres.

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GEORGIA	DAVENPORT TRANSPORTATION INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/14/19	0	19,923	0	This Rural Development investment will be used for the purchase and installation of a 34.8 kW solar array on the property of Davenport Transportation Inc. in Blairsville, GA. This project will replace 62,640 kWh (63%) per year, which is enough electricity to power five homes, and will realize $8,081 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	DONALSONVILLE DOWNTOWN DEVELOPMENT AUTH	RBEG	RBCS ENTERPRISE GRANTS	06/19/19	0	99,999	0	This Rural Development investment will be used by the Donalsonville Downtown Development Authority (DDA) to purchase and repair a building located at 100 E. 2nd Street in Donalsonville. The building is used as a small business incubator and is currently occupied by Front Porch Market and 16 other vendors. The building is a historical building and suffered damage from Hurricane Michael. The DDA will supplement the grant funds with a contribution of $10,001.
GEORGIA	DOWN TO EARTH CONSTRUCTION & EQUIP SALES	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/08/19	0	19,950	0	This Rural Development investment will be used for the purchase and installation of a 40.32 kW solar array on the business property of Down to Earth Construction & Epuipment, in Baxley, GA. This project will replace 42,320 kWh (139%) per year, which is enough electricity to power four homes, and will realize $7,056 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	DOWN TO EARTH CONSTRUCTION & EQUIP SALES	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/08/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the interior of the plant. This project will realize $29,302 per year in savings, and will replace 228,096 kWh (73%) per year, which is enough electricity to power 21 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	FAIRVIEW FARMS INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/25/19	0	19,875	0	This Rural Development investment will be used for the purchase and installation of a 30 kw solar array on the RV Park of Fairview Farms, INC. in Metter, GA. This project will replace 49,499 kWh (%) per year, which is enough electricity to power five homes, and will realize $5,618 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	FAMILY VISION CARE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/08/19	0	10,560	0	This Rural Development investment will be used for the purchase and installation of a 15 kW solar array on the business property of Family Vision Care in Alma, GA. This project will replace 23,168 kWh (63%) per year, which is enough electricity to power two homes, and will realize $3,012 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	FORT GAINES SOLAR, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	150,000	0	This Rural Development investment will be used for the purchase and installation of a 252KW AC solar energy generation system for Fort Gaines Solar, LLC, on the company s property in Clay County, Georgia. This project will generate 528,997 kWh per year, which is enough electricity to power 48 homes, and will realize $53,587 in income per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	GAY, JEFFERY LEE	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/08/19	0	19,853	0	This Rural Development investment will be used to make energy efficiency improvements with the replacement of a diesel to electric irrigation motor. This project will realize $13,276 per year in savings, and will save the equivalent of 246,433 kWh of electricity per year (91%) which is enough electricity to power sixteen homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	GIFC/CSHLRA, LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/31/18	10,000,000	0	0	loan funds used to renovate facility for operation as a commercial kitchen. Tenant will operate to produce meals for sale. This is the old kitchen facility for the Central State Hospital Campus that had closed in Milledgeville GA.

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GEORGIA	GREENFIELD INSTITUTE	RBEG	RBCS ENTERPRISE GRANTS	06/21/19	0	95,000	0	This Rural Development investment will be used to fund direct small business consulting with small and emerging businesses in Summerville, GA. Funds will support workshops that target widespread needs for rural entrepreneurs, including technology for businesses, business plan preparation, access to capital, and navigating local governments. Staff will provide direct consulting to small businesses that is tailored to the specific needs of that business owner. Topics include developing and updating business plans, identifying sources of capital, identifying ways to reduce business expenses, conducting specialized research, and creating marketing strategies. Greenfield Institute will work with small businesses to assist them in reducing business expenses by thorough and efficient technological practices, allowing businesses to retain competitive pricing so that the people that live in Summerville (with very low income and little disposable income) can afford to support them. Seven jobs will be created and three jobs will be saved from the funding of the project.
GEORGIA	HIGHLAND INVESTMENT ELLIJAY, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/23/19	1,450,000	0	0	This Rural Development loan guarantee investment will be used to construct a 2800 square foot Moe s Southwest Grill in East Ellijay GA. The loan will fund ground up construction of a new Moe s prototype restaurant. This will be their first Moe s and its only location in the town of Ellijay, town of Ellijay.
GEORGIA	HILL LOGGING, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/25/19	0	108,524	0	This Rural Development investment will be used to purchase a new BANDIT Model 2590 chipper, to be installed on their property at 3873 Hamlin Floyd Rd., Jeffersonville, Twiggs County, Georgia. This project will generate 44,000 tons per year of wood chips, equating to 129,472 MWh, which is the equivalent of enough electricity to power 11,988 homes, and will realize $794,738 of net income per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	HOGANSVILLE DOWNTOWN DEVELOPMENT AUTHORI	RBEG	RBCS ENTERPRISE GRANTS	06/21/19	0	200,000	0	This Rural Development investment will be used to restore the Royal Theater in downtown Hogansville. The City of Hogansville will inject $205,000 of SPLOST funds for a total project of $405,000. The project will benefit the small and emerging businesses downtown area.
GEORGIA	HOLBERT, JOHN	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/08/19	0	40,000	0	This Rural Development investment will be used for the purchase and installation of an 84 KW solar energy replacement system for John Holbert, on the property at 1089 Oak Grove Road, Calhoun, Gordon County, Georgia. This project will replace 147,882 kWh per year, which is enough electricity to power thirteen homes, and will realize $16,710 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	HUGHLAND BROILERS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/08/19	0	30,000	0	This Rural Development investment will be used for the purchase and installation of a 64.3 KW solar energy replacement system for Hughland Broilers LLC, on the property at 18388 GH Hwy 23, Reidsville, Tattnall County, Georgia. This project will replace 102,368 kWh per year, which is enough electricity to power nine homes, and will realize $11,260 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	IN HER SHOES, INC	RBOG	RBCS DEVELOPMENT GRANT	06/21/19	0	20,901	0	This Rural Development investment will be used to train adults for job placement in local food production business and support the need for labor by small producers. The project will create and implement a training program for adults in food handling, processing, packaging and storage, and value added food production practices to support local food producers. Funds will also be used to maintain and market labor to increase participation among producers to sustain the project.
GEORGIA	JONES NORTH GEORGIA POULTRY, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/26/19	0	35,445	0	This Rural Development investment will be used for the purchase and installation of a 94.5 KW solar energy replacement system for Jones North Georgia Poultry, Inc., on the property at 273 Family Farm Way, Tunnel Hill, Whitfield County, Georgia. This project will replace 133,650 kWh per year, which is enough electricity to power twelve homes, and will realize $14,354.01 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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GEORGIA	KESHAV HOSPITALITY INVESTMENTS LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/16/19	9,550,000	0	0	This Rural Development loan guarantee investment will be used to fund the construction of a 93-room interior corridor SpringHill Suites by Marriott in Richmond Hill, GA.
GEORGIA	LANIER COLOR COMPANY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	74,033	0	This Rural Development investment will be used for the purchase and installation of a 195 kW solar energy replacement system for Lanier Color Company, on the property at 2224 Atlanta Hwy SW, Gainesville, Hall County, Georgia. This project will replace 291,834 kWh per year, which is enough electricity to power twenty-seven homes, and will realize $22,471 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	LESTER & LESTER ENTERPRISES, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/08/19	0	17,287	0	This Rural Development investment will be used for the purchase and installation of a 27.84 kW solar array on the business property of Lester & Lester Enterprises, LLC (Mountain Top Furniture). This project will generate 50,112 kWh per year, which is enough electricity to power four homes, and will realize $7,016 of income per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	LINCOLN COUNTY	RBEG	RBCS ENTERPRISE GRANTS	06/25/19	0	98,500	0	0
GEORGIA	MINERVAWORKS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	250,000	0	This Rural Development investment will be used for the purchase and installation of a 1 mW solar energy generation system for MinervaWorks, LLC, on the compan's property in Decatur County, Georgia. This project will generate 1,581,300 kWh per year, which is enough electricity to power 146 homes, and will realize $173,943 in income per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	MOUNT VENTURE FARMS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/14/19	0	19,875	0	This Rural Development investment will be used for the purchase and installation of a 44 KW solar energy replacement system for Mount Venture Farms LLC, on the property at 526 Donnette Bargeron Road, Glennville, Tattnall County, Georgia. This project will replace 70,588 kWh per year, which is enough electricity to power six homes, and will realize $7,765 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	OGEECHEE TECHNICAL COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	06/21/19	0	97,189	0	Rural Development funds will be used to purchase and enhance 4 Augmented Arc Reality Educational Simulator w/cases & 1 Augmented Arc Controller/Server to link the systems together in a virtual classroom environment to further strengthen the skills of weldersin the Welding and Joining Techology classes.
GEORGIA	ON THE EDGE FARM, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/08/19	0	2,942	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of new LED lighting. Deanna Purther produces chickens in breeder poultry houses at her farm, On The Edge Farm, in Ellijay, GA. This project will realize $5,453 per year in savings, and will reduce electric usage by 53,466 kWh (25%), or enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	PATTEN SEED COMPANY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/25/19	0	39,627	0	This Rural Development investment will be used for the purchase and installation of a 93 KW solar energy replacement system for Patten Seed Company, on the property at 1253 Juice Plant Road, Marshallville, Macon County, Georgia. This project will replace 126,546 kWh per year, which is enough electricity to power eleven homes, and will realize $13,287.33 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	PB2 FOODS, INC.	BI	GUARANTEED B&I 3% FEE LOAN	11/30/18	8,500,000	0	0	0

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GEORGIA	PIONEER FARMS, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/14/19	0	13,725	0	This Rural Development investment will be used for the purchase and installation of a 5.9 kW solar array on property belonging to Pioneer Farms, Inc. This project will generate 8,914 kWh per year, which is enough electricity to power one home. This project will produce electric to operate a rural workshop used for the maintenance of wood chipping equipment, in an area where it is cost-prohibitive to run electric. The project will also include a battery storage system. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	PW HOTEL GROUP LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/29/18	7,500,000	0	0	This Rural Development Loan Guarantee Investment will be used to construct a 93 room Holiday Inn Express in Port Wentworth, GA and create 18 jobs.
GEORGIA	RADIANCE DEVELOPMENT RCS - II, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	191,069	0	This Rural Development investment will be used for the purchase and installation of a 1.0 mW solar energy generation system for Radiance Development RCS - II, LLC, on the company s property in Burke County, Georgia. This project will generate 1,840.800 kWh per year, which is enough electricity to power 170 homes, and will realize $162,388 in income per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	RAPHAEL INVESTORS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/15/19	0	19,836	0	This Rural Development investment will be used for the purchase and installation of a 41.75KW solar energy replacement system for Raphael Investors LLC, on the property at 2122 Hwy 53E, Hiawassee, Towns County, Georgia. This project will replace 75,168 kWh per year, which is enough electricity to power seven homes, and will realize $5,287 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	REYNOLDS, PHILLIP M	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/14/19	0	3,750	0	This Rural Development investment will be used for the purchase and installation of a 10.5 kW solar array on the business property of Phillip M Reynolds. This project will generate 15,995 kWh per year, which is enough electricity to power one home, and will realize $1,439 of income per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	SANDERS, LARRY J	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/14/19	0	12,303	0	This Rural Development investment will be used to make energy efficiency improvements with the replacement of a diesel to electric irrigation motor. This project will realize $10,227 per year in savings, and will save the equivalent of 176,743 kWh of electricity per year (97%) which is enough electricity to power sixteen homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	SLASH PINE EMC	REDLG	PP-REDL-ELECTRIC REDL - FINANCING (ELECTRIC) - LOAN	03/28/19	0	0	1,000,000	This Rural Development investment will be used to expand medical services to Clinch Memorial Hospital in Homerville Georgia. Expansion of services will include implementation of Behavioral Health Crisis Stabilization program with 4 inpatient beds dedicated to this program, a Behavioral Health Intensive Outpatient Program (IOP) with clinic, and for the recruitment of additional primary care providers and expansion. The vision for these programs is to offer a structured environment to help those in need to work towards overcoming symptoms of mental health, behavioral health, and/or substance abuse (such as opioid addiction).

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GEORGIA	SMALL BUSINESS ACCESS PARTNERS, INC	IRP	INTERMEDIARY RELENDING PROGRAM	08/28/19	0	0	1,000,000	This Rural Development investment will be used to create a revolving loan fund for Small Business Access Partners (SBAP). SBAP is a non-profit certified development company located in Gainesville. SBAP has been an active Intermediary on the IRP program since 1990 and has four existing IRP revolving loan funds. The purpose of the IRP program is to alleviate poverty and increase economic activity and employment in rural communities. Under the IRP program, loans are provided to local organizations (intermediaries) for the establishment of revolving loan funds. These revolving loan funds are used to help finance business and economic development activity to create or retain jobs in disadvantaged and remote communities. SBAP will make these loans in Baldwin, Chattooga, Elbert, Franklin, Hall, Hancock, Macon, Rabun, Stephens, Taliaferro, Towns, Warren, Wilkes and Worth Counties in Georgia. These counties are targeted for economic development due to overall higher unemployment and lower median household income related to the state median income. These counties were also impacted by severe weather (Hurricane Irma) in late 2017 with a Disaster Declaration being issued as well as at least three counties being impacted by Hurricane Michael with Disaster Declaration in October/November of 2018. Eligible loan determinations will be made according to Instructions 4274-D.
GEORGIA	SMALL BUSINESS ASSI	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	23,074	0	
GEORGIA	SMISSON-MATHIS ENERGY, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	250,000	0	This Rural Development investment will be used to increase production of Biodiesel 1 MMGY from waste such as oils and grease. This project will realize $2,580,000 per year in revenue and will generate the equivalent of 350,381 kWh of electricity per year which is enough electricity to power thirty-two homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
GEORGIA	SOCIAL CIRCLE CITY OF	RBEG	RBCS ENTERPRISE GRANTS	06/21/19	0	49,000	0	Rural Development funds will be used for Phase II of Friendship Park in downtown Social Circle. The project will include hardscape, building a pavillion and other amenities.
GEORGIA	SOCIAL CIRCLE THEATER & ARTS COUNCIL INC	RBEG	RBCS ENTERPRISE GRANTS	06/21/19	0	49,550	0	Rural Development funds will be used to upgrade the facility located at 169 Thurman Baccus Rd, Social Circle, with paving the current parking lot and installing parking lot lighting. The building will be upgraded by doing interior painting, new windows, ticketing software and sound/lighting equipment.
GEORGIA	SOLARGY LEASE LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/16/19	0	284,402	0	This Rural Development investment will be used for the purchase and installation of a 608 KW solar energy generation system for Solargy Lease LLC, on the company s property in Lavonia, Franklin County, Georgia. This project will generate 886,898 kWh per year, which is enough electricity to power 82 homes, and will realize $72,000 in income per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	SOUTHERN CRESCENT TECH COLLEGE FOUND INC	RBEG	RBCS ENTERPRISE GRANTS	06/19/19	0	142,675	0	Rural Development funds will be used purchase used to purchase one adult and one pediatric high fidelity Laerdal simulation manikins that will allow the nurse graduates to be better prepared to work within numerous Upson County healthcare facilities.
GEORGIA	SOUTHERN EAGLE LANDING LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	70,000	0	This Rural Development investment will be used for the purchase and installation of a 140 KW solar energy replacement system for Southern Eagle Landing LLC, on the property at 6200 Bowens Rd, Blackshear, Pierce County, Georgia. This project will replace 207,716 kWh per year, which is enough electricity to power nineteen homes, and will realize $25,840 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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GEORGIA	STRICKLAND, SAMUEL DAVID	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/26/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of new inlets and winching system, additional ceiling insulation, furnace replacements, and dimmable LED lighting. Mr. Stricklan's farm raises chickens in poultry houses at his farm in Commerce, GA. This project will realize $16,575 per year in savings, and will reduce propane and electric usage by 346,450 kWh (36.53%), which is enough to power 32 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	SWAINSBORO SUPPLY COMPANY, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/26/19	0	49,750	0	This Rural Development investment will be used for the purchase and installation of an 85 KW solar energy replacement system for Swainsboro Supply Company, INC., on the property at 360 E. Main St. Swainsboro, Emanuel County, Georgia. This project will replace 141,158 kWh per year, which is enough electricity to power thirteen homes, and will realize $16,987 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	TRIPLE O FARM	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/25/19	0	47,700	0	This Rural Development investment will be used for the purchase and installation of a 72.27 KW solar energy replacement system for Triple O Farm, on the farm s property at 901 Dog Creek Circle Rd, Carnesville, Franklin County, Georgia. This project will replace 117,760 kWh per year, which is enough electricity to power 11 homes, and will realize $12,954 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	VON GLAHN FARMS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/08/19	0	13,750	0	This Rural Development investment will be used for the purchase and installation of a 26 kW solar array on the farm of Von Glahn Farms. This project will generate 43,748 kWh per year, which is enough electricity to power four homes, and will realize $5,950 of income per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	WATKINS, BART ALLEN	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/23/19	0	14,932	0	This Rural Development investment will be used to make energy efficiency improvements with the replacement of a diesel to electric irrigation motor. This project will realize $10,738 per year in savings, and will save the equivalent of 188,438 kWh of electricity per year (93%) which is enough electricity to power 17 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
GEORGIA	WEST GEORGIA FARMERS COOPERATIVE INC.	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/23/19	0	59,208	0	This Rural Development investment will be used only to provide technical assistance to socially-disadvantaged groups located in rural areas. Project includes assistance for different existing socially-disadvantage cooperatives as well as work with organizing groups made up of socially disadvantaged individuals, and organizations working on cooperative projects.
GEORGIA	WIREGRASS GEORGIA TECHNICAL COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	06/21/19	0	99,999	0	Rural Development funds will be used to purchase additional equipment for a Machine Tool Technology lab to extend the STEM offerings on the Coffee Campus in Douglas. 2 counties in service area are persistent poverty, Ben Hill & Telfair.

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GEORGIA	WIREGRASS GEORGIA TECHNICAL COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	06/11/19	0	53,689	0	This Rural Development investment will be used to purchase several pieces of allied health equipment, including a Nursing Kelly manikin, Nursing Anne manikin, LLEAP for SimPad Plus, All in One Panel PC Instructor, Nursing/MegaCd Edu Bundle, Pharmacology Scenarios, and various licenses required for equipment purchases for the Nursing Lab at Wiregrass Technical College, Cook County campus. Most hospitals within the college's service area utilize this equipment. The growing need for nurses and other allied health personnel in the state of Georgia and diminishing clinical sites for students to receive hands-on training, has increased the need for the use of student training simulators to better prepare students for "real-world" experience when limited hands-on clinical training occurs. This is also a STEM project. The purchase of the equipment will allow for the training and "ready to employ" at least 22 registered nurses by the recently expanded Cook Medical Center and Tift Regional Hospital. The total anticipated job creation is 40 jobs. Wiregrass proposes to contribute $115,515 in the form of one full-time allied health instructor salary that will be using the equipment to teach Registered Nursing students on the Cook Campus located in Sparks, GA.
GEORGIA	WOODLAND GARDENS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/27/19	0	13,310	0	This Rural Development investment will be used for the purchase and installation of a 12.6 kW solar array on the organic produce farm of Woodland Gardens LLC, in Winterville, GA. This project will replace 26,299 kWh (43.8%) per year, which is enough electricity to power two homes, and will realize $4,076 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
HAWAII	COBYCAMI LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/10/19	0	23,222	0	Grant funds will be used to help offset the costs associated with installing a PV solar system. The project projects to generate 16.80 kw per year.
HAWAII	COUNTER CULTURE, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/30/19	0	15,173	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Counter Culture is an agriculture producer. Project funds will be used for the purchase and installation of a 28 kW solar array. This project will realize $4,450 per year in savings, and will replace 26,250 kWh (52.97%) per year.
HAWAII	DECARIA, VINCENT B	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/03/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Vincent DeCaria dba Makapala Ranch is an agriculture producer in the Kapaau, Hawaii. Project funds will be used for the purchase and installation of a 25.92 kW solar photovoltaic. This project will generate 36,570 kwh per year.
HAWAII	DELOS REYES, SAMSON SERAFICA	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/30/19	0	8,115	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. SJ Vegetable Farm is an agriculture producer in the Leeward Coast area. Project funds will be used to make energy efficiency improvements with the purchase and installation of a refrigeration unit equipped with a variable speed DC brushless compressor and PID feedback controls. This project will realize $12,063 per year in savings.
HAWAII	DELOS REYES, SAMSON SERAFICA	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/30/19	0	8,108	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. SJ Vegetable Farm is an agriculture producer in the Leeward Coast. Project funds will be used for the purchase and installation of a 4.95 kW solar photovoltaic. This project will realize 52,056 per year in savings.
HAWAII	HIGHWAY INN, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/20/19	0	81,243	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. rural small business located in Waipahu, Hawaii. Project funds will be used for the purchase and installation of a 106.2kW solar photovoltaic. This project will realize $40,720.61 per year in savings.
HAWAII	HOKU KAI BIOFUELS LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/19/19	7,500,000	0	0	Rural Development funds will finance the acquisition, debt restructuring, and real estate improvements to complete a biodiesel storage facility in Hilo, Hawaii. Project is projecting to create 7 new jobs with a wage rate of $25/hour.

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HAWAII	HONUA HOME AINA ORGANICS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	136,502	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Honua Home Aina Organics, LLC is a farming operation. Project funds will be used for the purchase and installation of a 82.65 kW solar array. This project will generate 127,291 kWh annually.
HAWAII	KAMIYA GOLD INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/21/19	0	2,617	0	Grant funds will be used to help offset the costs associated with installing a PV solar system. The project projects to generate 1,491 kWh per year.
HAWAII	KAMIYA GOLD INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/21/19	0	2,052	0	Grant funds will be used to help offset the costs associated with installing an energy efficient refrigerator. The project projects to save 5292.5 kWh per year.
HAWAII	MAUI LANI VETERINARY HOSPITAL, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/04/19	0	15,352	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Maui Lani Veterinary Hospital is a small rural business located in Kahului, Hawaii. Project funds will be used for the purchase and installation of a 16.2kW solar photovoltaic. This project will realize 8,200.53 per year in savings.
HAWAII	OCR, INC. DBA SMALL KINE FARM	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/09/19	0	6,374	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Small Kine Farms is a USDA organic mushroom farm. This project will realize $11,500 per year in savings.
HAWAII	OCR, INC. DBA SMALL KINE FARM	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/09/19	0	6,400	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems. Small Kine Farms is a USDA certified organic mushroom farm. Project funds will be used for the purchase and installation of a 3.6 kW solar system in Waimanalo, Hawaii. This project will realize $1,333 per year in savings and will replace 4,442 kwH per year (18.24%) per year.
HAWAII	SCHUMAN AVIATION CO LTD	BI	GUARANTEED B&I 3% FEE LOAN	03/29/19	6,000,000	0	0	This Rural Development investment will help finance an air carrier company that currently services the Counties of Oahu and Maui. The company is expanding their services to include the County of Kauai and Hawaii. The financing will be to purchase two Cessna aircrafts, debt restructuring and pay closing fees. The project is expected to create 5 jobs for a total of 80 jobs.
HAWAII	THE KOHALA CENTER, INC.	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/19/19	0	175,000	0	Rural Development funds will be used to provide technical assistance to a total of 143 socially disadvantaged producers who are members of 2 rural cooperatives, and 7 rural groups operating across the State of Hawaii (Hawaii Swine Producers Co-op, United Kau Farmers Co-op, Farm Link Hawaii Producers Group, Aina Ho'okupu O Kilauea Producer Group, Liliokalani Trusp Producer Group, Keiki O Palehua Ohana Producer Group, Hawaii Seed Growers Network Producer Group, the Farm Mentoring Group, and a group of 30 socially disadvantaged businesses operating in rural areas Statewide. Technical assistance in the areas of business planning and capitalization, co-op leadership in project management, accounting/financial literacy, community food system development, co-op leadership in project management, accounting/financial literacy, community soil fertility practices, grant application coaching, website development, community engagement, agroecology and Pacific Island planting in commercial systems, co-op membership roles and responsibilities, and agricultural pest control.
HAWAII	THE KOHALA CENTER, INC.	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/19/19	0	200,000	0	This Rural Development investment will be used to continue cooperative development operations of the Rural and Cooperative Business Development Services Center. Through the Cooperative Development Center, they provide cooperative and business education and technical assistance in Hawaii's rural areas. Project is projected to assist 6 groups, 75 businesses, 12 cooperatives, which will create and save a total of 23 jobs in rural Hawaii.
HAWAII	THE KOHALA CENTER, INC.	RBEG	RBCS ENTERPRISE GRANTS	06/11/19	0	100,806	0	
HAWAII	THE KOHALA CENTER, INC.	RBEG	RBCS ENTERPRISE GRANTS	06/11/19	0	20,194	0	

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IDAHO	2JRB, LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/13/19	900,000	0	0	This Rural Development loan guarantee investment will be used for the construction and term financing of an automatic car wash in the City of Fruitland, Payette County, Idaho. This business will be a significant asset to the region as this type of automatic car wash is the first of its kind in the area. The proposed project is expected to create eight new jobs with an average wage of $15.00 per hour which is 207% of the federal minimum wage. The total project cost is estimated to be $2,415,450. The project meets the following Task Force on Agriculture and Rural Prosperity priorities: (1) Project will support/utilize unmanned technology -- the project will include state of the art automated car wash system, and (2) Project will utilize/Made in Americ outputs in manufacturing.
IDAHO	2JRB, LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/13/19	1,032,360	0	0	This Rural Development loan guarantee investment will be used for the construction and term financing of an automatic car wash in the City of Fruitland, Payette County, Idaho. This business will be a significant asset to the region as this type of automatic car wash is the first of its kind in the area. The proposed project is expected to create eight new jobs with an average wage of $15.00 per hour which is 207% of the federal minimum wage. The total project cost is estimated to be $2,415,450. The project meets the following Task Force on Agriculture and Rural Prosperity priorities: (1) Project will support/utilize unmanned technology -- the project will include state of the art automated car wash system, and (2) Project will utilize/Made in Americ outputs in manufacturing.
IDAHO	3 HORSE RANCH VINEYARD LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	09/26/19	5,000,000	0	0	This Rural Development loan guarantee investment will be used for the construction and term financing of a wine production facility, tasting room, and event center. The production facility will provide critical and specialized custom crushing, wine-making, and barrel storage services to existing and new wineries in the Eagle Foothills American Viticultural Area, where these services are not currently available. The project is expected to create at least two new jobs at an average wage of $23.56 per hour which is 325% of the federal minimum wage. The project meets the following Task Force on Agriculture and Rural Prosperity key strategies:(1) Improving Quality of Life (reliable employment and community resilience);(2) Supporting a Rural Workforce; and,(3) Developing the Rural Economy (Made in America outputs in agriculture, innovative farm technologies, agritourism, attracting private capital).
IDAHO	460 BREAD, INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/16/19	0	4,618	0	This Rural Development Investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements for their operations. 460 Bread, Inc. is a family owned wholesale bread baking company located in Teton County, Driggs, Idaho. Project funds will be used to make energy efficiency improvements with the purchase and installation of new LED lighting throughout their new baking facility. This project advances energy security by boosting production of energy from renewable sources. This project will realize $3,206.00 per year in savings and will replace 61% of electrical energy consumption per year in lighting costs.
IDAHO	AC ELECTRIC MOTOR SERVICES, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	10,368	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. AC Electric Motor Services, LLC is a family owned small electric motor repair business located in Twin Falls County, Idaho. This project investment will be used for the purchase and installation of a 17.28 kW Solar Electric array mounted on business roof to power the busines's needs. This project advances energy security by boosting production of energy from renewable sources (utilizing the sun's energy), will realize $2,342.70 per year in savings and will replace 23,427 kWh (99.99% of historical business consumption) per year.
IDAHO	AC4E COMPANIES, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	13,888	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. AC4E Companies, Inc. is a family owned small Audio/Visual & Electrical Equipment Installation company located in Canyon County, Idaho. This project investment will be used for the purchase and installation of a 31.5 kW rooftop solar array system to power business needs. This project advances energy security by boosting production of energy from renewable sources (i.e. utilizing the sun's energy), will realize $4,210 per year in savings and will replace 46,778 kWh (94.5% of historical consumption) per year.

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IDAHO	ALL PRO LINEN, INC.	BI	GUARANTEED B&I 3% FEE LOAN	10/29/18	715,000	0	0	This Rural Development loan guarantee investment will be used to help finance the transfer of ownership of All Pro Linen, Inc., an agricultural/commercial linen laundry service, located in Burley, Idaho. Local dairy farms and commercial business rely on All Pro Linen to take care of their individual laundry needs. The project will result in the stabilization of 12 positions, while creating a minimum of 5 jobs within the next 24 months; FTE/PTE determination is unkown at this time. The average wage rate is $15.00/hour, which is 207% of the federal minimum wage. The project meets the following Task Force on Agriculture and Rural Prosperity priorities: (1) support and increase agriculture (the dairy industry is critical to this region; this project provides significant support to this industry by providing the dairy farms the continued supply of sanitized towels needed to continue milking cows safely).
IDAHO	ALPINE DEVELOPMENT GROUP, LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/01/19	3,700,000	0	0	This Rural Development loan guarantee investment will be used for the construction and term financing of a new Recreational Vehicle Resort in the rural community of Alpine, Idaho. This business will be a significant asset to the rural community and surrounding area by providing additional lodging to support tourism and recreation industries. Existing local businesses are expected to benefit from the Resort's patrons as well. The proposed project is expected to directly create five new jobs with an average wage rate of $13.00 per hour which is 179% of the federal minimum wage. The total project cost is estimated to be $5,399,650.
IDAHO	ANDERSON AEROMOTIVE INC.	BI	GUARANTEED B&I 3% FEE LOAN	09/30/19	1,000,000	0	0	To be added.
IDAHO	AZEVEDO DRYWALL, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/02/19	0	6,606	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Azevedo Drywall is a family owned drywall contracting business located in Twin Falls County, Filer, Idaho. Project funds will be used for the purchase and installation of a 18 kW rooftop mounted solar array on the businesses shop. This project advances energy security by boosting production of energy from renewable sources. This project will realize $2,874.40 per year in savings and will generate 28,744 kWh (100% of historical use) per year.
IDAHO	BOISE STATE UNIVERSITY	RBEG	RBCS ENTERPRISE GRANTS	07/22/19	0	25,000	0	This Rural Development investment will be used to assist in the costs of purchasing specialized equipment necessary to expand the Applicant s range of consultation services to manufacturing businesses located in rural communities across Idaho. Having portable Food Safety and New Products Development equipment will allow the Applicant to focus on providing targeted consultation services to small and emerging businesses in need of manufacturing assistance. The project meets the following Task Force on Agriculture and Rural Prosperity key strategy: Harnessing Technological Innovation project will enable Applicant to provide specialized consultation services using state-of-the-art Food Safety and New Products Development equipment to manufacturers in rural communities, where access to such technological innovation resources may be limited.
IDAHO	BOLDUC, MARK E	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/02/19	0	6,247	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Mark Bolduc operates a family owned beef cattle ranch located in Gooding County, Hagerman, Idaho. Project funds will be used for the purchase and installation of a 13.3 kW rooftop mounted solar array system. This project advances energy security by boosting production of energy from renewable sources. This project will realize $2,081.36 per year in savings and will generate 21,909 kWh (81.96% of historical use) per year.
IDAHO	CENTRAL PRODUCE DISTRIBUTORS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/12/19	0	72,250	0	This Rural Development Investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Central Produce Distributors, Inc. is a produce packaging company located in Payette County, Idaho. This project investment will be used for the purchase and installation of a 120 kW PV Solar Electric Array to power business operation needs. This project advances energy security by boosting production of energy from renewable sources (utilizing the sun's energy), will realize $17,099.80 per year in energy savings, and will replace 170,998 kWh (92.21% of historical consumption) per year, which is enough energy to power 15 homes.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
IDAHO	CHRIS UNRUH, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/06/19	0	49,165	0	This Rural Development Investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Chris Unruh, Inc is a family owned farm located in Owyhee County, Idaho. This project investment will be used for the purchase and installation of a 100 kW dual axis ground mounted solar array system to power agricultural needs. This project advances energy security by boosting production of energy from renewable sources (utilizing the suÏs energy), will realize $20,415.19 per year in energy savings and will replace 243,038 kWh (94.92% of historical consumption) per year, which is enough electricity to power 22 homes per year.
IDAHO	CITY OF HOMEDALE	RBEG	RBCS ENTERPRISE GRANTS	07/01/19	0	18,600	0	This Rural Development investment will be used to assist in the contractual costs of completing a Local Foods Market Feasibility Study. The study will consider the establishment of a permanent multi-use facility that would be occupied by the Homedale FarmerÏ MarketÏ- a small and emerging private business enterpriseÏ- as well as used for a number of other activities that would foster and support cooperative growth of the CitÏs local food system, thereby increasing economic opportunities leading to job creation. The project meets the following Task Force on Agriculture and Rural Prosperity key strategy: Developing the Rural Economy by supporting the development of additional markets for locally producedÏMade in AmericÏ agricultural products.
IDAHO	CITY STORAGE, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/02/19	0	6,489	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. City Storage, Inc. is a family owned general warehouse and storage facility located in Bonneville County, Idaho Falls, Idaho. Project funds will be used for the purchase and installation of a 11 kW solar array system. This project advances energy security by boosting production of energy from renewable sources. This project will realize $2,167.27 per year in savings and will generate 17,478 kWh (99.36% of historical use) per year.
IDAHO	CLEARWATER ECONOMIC DEV. ASSOC. INC.	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	61,353	0	This Rural Development investment will be used for technical assistance, guidance, to prepare micro entrepreneurs for self-employment; improve the state of their existing rural microenterprises; increase their capacity in a specific technical aspect of the subject business; and, assist a rural micro entrepreneur in achieving a degree of business preparedness and/or functions that will allow them to obtain or have the ability to obtain business loans independently. Clearwater Economic Development Association, Inc., services five counties in Northern Idaho: Latah, Nez Perce, Lewis, Idaho & Clearwater Counties and three counties in Washington: Asotin, Garfield and Whitman Counties.
IDAHO	CLEARWATER ECONOMIC DEV. ASSOC. INC.	RBEG	RBCS ENTERPRISE GRANTS	07/01/19	0	15,000	0	This Rural Development investment will be used to complete a Concept Design Plan to assist in the renovation of the historic Liberty Theater building as a venue for film, the performing arts, and other entertainment. The planning project is intended to support the small business development in the pedestrian-corridor of the Downtown Lewiston service area. The project meets the following Task Force on Agriculture and Rural Prosperity key strategy: Improving Quality of Life (economic indicators: modern utilities, aﬀordable housing, eﬀicient transportation and reliable employment; social indicators: access to medical services, public safety, education, and community resilience; Developing the Rural Economy (innovative farm technologies, energy security, recreation, agritourism, sustainable forest management, investing in rural transportation infrastructure, attracting private capital). Downtown Lewiston has experienced dynamic revitalization over the last 10 years including a $7 million investment in a new public library, the development and renovation of dozens of downtown apartments, and the injection of private investment into surrounding historic buildings, including the Lewis-Clark Hotel. Opening the Liberty Theater will continue that revitalization, its historic marquee lighting up the 500 block of Main Street and bringing street traffic from the surrounding four county region to downtown businesses.
IDAHO	COEUR D'ALENE TRIBE	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	22,651	0	To be added.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
IDAHO	COLE FARMS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/13/19	0	23,073	0	This Rural Development Investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Cole Farms, Inc., is a family owned farm located in Canyon County, ID. This project investment will be used for the purchase and installation of a 34.04kW solar electric ground mounted array to power agricultural needs. This project advances energy security by boosting production of energy from renewable sources (utilizing the sun s energy), will realize $5,625.40 per year in energy savings, and will replace 51,140 kWh (92.3% of historical use) per year.
IDAHO	D MONSON, LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/28/19	285,000	0	0	This Rural Development loan guarantee investment will be used to purchase two new gas pumps with a pavilion, installing new rain gutters on the building, and new kitchen equipment at the Jackson s Kountry Korner restaurant/c-store gas station, located in the rural community of Buhl, Idaho. This business is a significant asset to the rural community and surrounding area, providing additional shopping and dining to support the local economy. Existing local businesses are also expected to benefit from the restaurant/c-store patrons as well. The total project cost is estimated to be $285,000.
IDAHO	DAREN STAFFORD & KISMET PC	BI	GUARANTEED B&I 3% FEE LOAN	08/27/19	400,000	0	0	This Rural Development loan guarantee investment will be used to refinance short term debt incurred in the purchase of a commercial building occupied by Borrowel's Physical Therapy practice, along with three other unrelated business tenants, located in Elmore, County, Mountain Home, Idaho. The proposed project is expected to result in the creation of two new jobs with an average wage rate of 381% of minimum wage, as well as stabilize the 24 existing jobs from the combined tenant businesses. The project meets the following Task Force on Agriculture and Rural Prosperity priorities: (1) This project advances the quality of life via access to medical services.
IDAHO	DEYO, STEPHANIE ELIZABETH	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/02/19	0	5,047	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Stephanie Elizabeth Deyo operates a family owned rural small business performing commercial printing located in Clearwater County, Orofino, Idaho. Project funds will be used to make energy efficiency improvements with the purchase and installation of windows, doors, LED lighting, a new electrical panel, and replacing a water heater. This project will realize $733.70 per year in savings and will replace 4,602 kWh (45.26%) per year.
IDAHO	DRIGGS, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	5,000	0	This Rural Development investment will be used to conduct an update to an existing Greater Yellowstone Trail Concept Plan completed by Alta Planning and Design for the City of Victor. The updated Trail Concept Plan will support implementation work to complete remaining trail gabs and realization of the final Greater Yellowstone Trail which has been projected to result in the creation of 1,154 jobs in the five-county region and $33.89 million in labor revenue as projected by a 2015 economic impact analysis. The City of Driggs has pledged $1,000 (16.7%) cash match toward the total costs of the updated technical assistance project ($6,000). The remaining $5,000 will be paid through the use of the Rural Business Development Grant program funds. The project meets the following Task Force on Agriculture and Rural Prosperity key strategy: Improving Quality of Life (economic indicators: modern utilities, aﬀordable housing, eﬀicient transportation and reliable employment; social indicators: access to medical services, public safety, education, and community resilience; Supporting a Rural Workforce (identifying employment needs, attracting available workers from urban and rural centers alike, and providing the workforce with training and education to best fill the available needs) and Developing the Rural Economy (innovative farm technologies, energy security, recreation, agritourism, sustainable forest management, investing in rural transportation infrastructure, attracting private capital).

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IDAHO	EAST-CENTRAL IDAHO PLANNING&DEVLP ASSO	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	18,000	0	This Rural Development investment will be used for the assistance in value added research and technical assistance projects to benefit nine small and emerging businesses in rural areas within nine counties of Eastern Idaho. East-Central Idaho Planning & Development Association, Inc. will contract with the Research and Business Development Center, so that they can conduct specific projects aimed at improving/growing their small business in Rural Idaho. The projects will vary depending on the needs of each individual business, with examples of what research will be done being feasibility studies, target audience surveys, data collection, data interpretation, etc. The ending result of these projects will provide actionable items to help business owners make decisions and allow for these businesses to seek future investments. Projects will benefit businesses that otherwise would not have access to focused research to improve/expand their businesses. These grant funds will be used to help assist local rural businesses in conducting targeted research to help improve their business models and provide tangible benefits in the future.
IDAHO	GO PROPERTIES, LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	12/11/18	2,277,034	0	0	This Rural Development loan guarantee investment will be used to finance the term-out of short term bridge financing used to acquire and renovate real estate to allow for an expansion of Gulls Outdoor Equipment, LLC, a power sports equipment dealer and servicer located in the City of Lewiston, Nez Perce County, Idaho. The project is expected to result in the stabilization of 10 existing jobs, while creating 10 new jobs through planned expansion. The average wage rate of the jobs to be created is $18 per hour, which is 248% of the Federal minimum wage of $7.25 per hour. Additionally, the planned expansion will benefit existing local area outdoor equipment manufacturers (such as Thunder Power Jet Boats) due to projected increase in inventory needs to support planned expansion. The project meets the following Task Force on Agriculture and Rural Prosperity priorities: (1) projects that increase/Made in America outputs in agriculture, manufacturing, forestry, and mining (at least one of the equipment lines sold by Borrower is manufactured locally).
IDAHO	GOLDEN BEAUTY HOSPITALITY, LLC (AMERICIN	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/30/19	0	13,730	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Golden Beauty Hospitality, LLC is a family owned small hotel business that operates the AmericInn Lodge & Suites located in Madison County, Idaho. This project investment will be used for the purchase and installation of a 35 kW Combined Heat and Power (CHP) system to help reduce the businesses energy consumption needs. This project advances energy security by boosting reducing electrical energy needs to be drawn from the electrical grid. This project will realize $21,296 per year in savings and will save 163,948 kWh of energy consumption, which is enough to power 16 homes.
IDAHO	HAGERMAN VALLEY GAMEBIRDS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	11,490	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Hagerman Valley Gamebirds, LLC is a small family owned pheasant raising business located in Gooding County, Idaho. This project investment will be used for the purchase and installation of a 15.12kW dual axis ground mount solar array system to power business needs. This project advances energy security by boosting production of energy from renewable sources (utilizing the sun's energy), will realize $4,002 per year in savings and will replace 47,397 kWh (118.43% of historical consumption) per year.
IDAHO	IDAHO AG INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/24/19	0	49,919	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Idaho Ag, Inc. is a local family owned lessor of non-residential real estate specializing in leasing land to agricultural producers of potato crop farming located in Rupert, Minidoka County, Idaho. This Rural Energy for America Program (REAP) project will be used for the purchase and installation of a 93.3 kW ground-mounted solar electric array to produce power to help assist in irrigation of leased land. This project advances energy security by boosting production of energy from natural gas, oil, coal, nuclear, and/or renewables. The project will realize the equivalent of $8,227 in energy savings and will generate 164,530 kW/s equivalent of energy per year, (26.3% of historical consumption) which is enough to power 15 homes.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
IDAHO	J & M SANITATION, INC.	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	09/26/19	3,108,445	0	0	This Rural Development loan guarantee investment will be used for the purchase of three all-electric refuse collection trucks to upgrade a portion of the Borrower s existing fleet, reducing operating and maintenance costs, and reducing emissions significantly. Project also includes a minor (approximately 27% of total project cost) refinance of debt in order to improve cash flow and provide additional collateral sources (i.e., take-out prior liens in order to ensure all collateral, in first lien position, is available to the Business & Industry Lender). Project will result in the creation of two new jobs at a wage rate that is 248% of the Federal Minimum Wage. Additionally, the project meets the following Task Force on Agriculture and Rural Prosperity key strategies: Improving Quality of Life (including reliable employment); Supporting a Rural Workforce; Harnessing Technological Innovation (replacing inefficient and high energy-use diesel trucks with efficient technologically innovative electric trucks); and, Developing the Rural Economy (innovative technologies).
IDAHO	JAMES C. ALLEN, DDS, PC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/02/19	0	16,200	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. James C. Allen, DDS operates a family owned dental office located in Madison County, Rexburg, Idaho. Project funds will be used for the purchase and installation of a 27 kW solar array system. This project advances energy security by boosting production of energy from renewable sources. This project will realize $3,961.54 per year in savings and will generate 42,144 kWh (91.97% of historical use) per year.
IDAHO	KETCHUM COMMUNITY DEVELOPMENT CORP.	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	13,400	0	Rural Business Development Grant investment will be used to purchase Podcasting Production Studio Equipment, Video Production Studio Equipment, and Video Conferencing Equipment for the small and emerging businesses at the Ketchum Innovation Center (KIC), a business incubator located in the City of Ketchum. The equipment will provide the small and emerging business located at the KIC, the proper tools and resources needed in order to further the businesses success and growth. The project meets the following Task Force on Agriculture and Rural Prosperity priorities: (1) advances career training and development (The KIC offers several different business workshops for small businesses).
IDAHO	LEWIS-CLARK STATE COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	06/12/19	0	9,550	0	This Rural Development investment will be used to purchase an Air Conditioning Training aide for the Diesel Technology Department of Lewis-Clark State College's Technical & Industrial Division, located in Nez Perce County, Idaho. The equipment purchase will provide the most up-to-date training opportunities both within the Diesel Mechanic shop and classroom. Lewis-Clark State College continues to assist rural small businesses by providing industry specific training in Diesel Technology, which results in 10 new jobs per year with each graduating class of entry-level diesel technicians. This project with its emphasis on workforce development, is a key aspect of regional rural revitalization efforts. The project meets the following Task Force on Agriculture and Rural Prosperity key strategy: (3) Supporting a Rural Workforce (identifying employment needs, attracting available workers from urban and rural centers alike, and providing the workforce with training and education to best fill the available needs).
IDAHO	LEWIS-CLARK STATE COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	15,000	0	This Rural Development investment will be used to purchase workforce training equipment for the Nursing Simulation and Skills Labs at Lewis-Clark State College's Nursing and Health Sciences Division. The equipment purchase will provide up-to-date training opportunities for the nursing students. Lewis-Clark State College continues to assist rural small businesses by providing industry specific training in Nursing, which results in 50 to 75 new jobs per semester with each graduating class of nurses. The project meets the following Task Force on Agriculture and Rural Prosperity key strategy: Improving Quality of Life (economic indicators: modern utilities, aﬀordable housing, eﬀcient transportation and reliable employment; social indicators: access to medical services, public safety, education, and community resilience; Supporting a Rural Workforce (identifying employment needs, attracting available workers from urban and rural centers alike, and providing the workforce with training and education to best fill the available needs).

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IDAHO	LEWIS-CLARK STATE COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	07/01/19	0	13,580	0	This Rural Development investment will be used to purchase a CNC Mill 4th Axis table for the CNC Machining and Engineering Technology Department of Lewis-Clark State College's Technical & Industrial Division. The equipment purchase will provide the most up-to-date training opportunities within the CNC machining lab. LCSC continues to assist rural small businesses by providing industry specific training in CNC machining which results in six new jobs per year with each graduating class of entry-level machinists. This project with its emphasis on workforce development, is a key aspect of regional rural revitalization efforts. The project meets the following Task Force on Agriculture and Rural Prosperity key strategy: Supporting a Rural Workforce (identifying employment needs, attracting available workers from urban and rural centers alike, and providing the workforce with training and education to best fill the available needs).
IDAHO	LISE JUMPER; DBA JUMPER SPORT HORSES	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	8,103	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Lise Jumper, dba Jumper Sport Horses is a small family owned horse breeding and training company located in Gem County, Idaho. This project investment will be used for the purchase and installation of a 15.5 kW solar electric array to power business needs. This project advances energy security by boosting production of energy from renewable sources (utilizing the suns energy), will realize $$2,186.00 per year in savings and will replace 12,120 kWh (100% of historical consumption) per year.
IDAHO	LUX FARMS, INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/10/19	0	29,360	0	This Rural Development Investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Lux Farms, Inc is a family owned farm located in Lewis County, Idaho. This project investment will be used for the purchase and installation of a 43.8 kW solar electric roof mounted array to power agricultural needs. This project advances energy security by boosting production of energy from renewable sources (utilizing the sun s energy), will realize $5,352.88 per year in energy savings, and will replace 58,669 kWh per year.
IDAHO	MVP, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/17/19	0	42,250	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. MVP, LLC is a family owned Pig Farming operation located in Twin Falls County, Idaho. This project investment will be used for the design, purchase and installation of a 99.96 kW roof mounted solar electric system to power energy needs of the business. This project advances energy security by boosting production of energy from renewable sources (utilizing the sul's energy). This project will realize $13,563.35 per year in savings and will replace 158,373 kWh of electricity per year (100% of historical consumption) which is enough electricity to power 14 homes.
IDAHO	OROFINO, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	06/12/19	0	10,000	0	This Rural Development investment will be used to prepare an Opportunity Zone Investment Prospectus and Marketing Strategy for a new Cross Laminate Timber manufacturing facility located on an old mill site within the City of Orofino and the Clearwater County Opportunity Zone. The contractor, Thomas P. Miller & Associates will work with the City of Orofino to complete the prospectus to attract equity investment resulting in a significant economic development investment in value-added wood products in this timber rich area of Idaho. The economic development of a new Cross Laminate Timber manufacturing facility could potentially create about 20 high paying jobs for the area. The project meets the following Task Force on Agriculture and Rural Prosperity key strategy: 5) Developing the Rural Economy (innovative farm technologies, energy security, recreation, agritourism, sustainable forest management, investing in rural transportation infrastructure, attracting private capital).

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IDAHO	PANHANDLE AREA COUNCIL, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/15/19	0	10,000	0	This Rural Development investment will be used by Panhandle Area Council, Inc. to host a WealthWorks Regional Opportunity training workshop. The workshop will utilize the Wealthworks framework to develop a team of local economic development professionals to assist in diversifying the five northern counties of Idaho s natural resource based economy by developing a WealthWorks value-chain to foster business opportunities, support and create jobs, and generate lasting, local wealth. The project meets the following Task Force on Agriculture and Rural Prosperity key strategy: (2) Improving Quality of Life (economic indicators: modern utilities, aﬀordable housing, eﬀicient transportation and reliable employment; social indicators: access to medical services, public safety, education, and community resilience; 5) Developing the Rural Economy (innovative farm technologies, energy security, recreation, agritourism, sustainable forest management, investing in rural transportation infrastructure, attracting private capital).
IDAHO	PANHANDLE AREA COUNCIL, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/15/19	0	19,860	0	This Rural Development investment will enable Panhandle Area Council, Inc., Commercial Loan Department to provide tailored technical assistance for each prospective small business client through the use of Business Counseling Information Forms. Panhandle Area Council, Inc., is committing resources ($140 cash contribution) to support the effort and complement the USDA Rural Development Rural Business Development Grant funds of $19,860. Panhandle Area Council, Inc., plans to assist from 60 to 80 additional small business clients through this project. The project meets the following Task Force on Agriculture and Rural Prosperity key strategy: Developing the Rural Economy (innovative farm technologies, energy security, recreation, agritourism, sustainable forest management, investing in rural transportation infrastructure, attracting private capital).
IDAHO	PK TRANSPORT, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	15,211	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. PK Transport, Inc., is a family owned small transportation and storage company located in Bonneville County, Idaho. This project investment will be used for the purchase and installation of a 22.8 kW solar array system to power the business shop. This project advances energy security by boosting production of energy from renewable sources (i.e. utilizing the suns energy), will realize $2,971.54 per year in savings and will replace 33,710 kWh (71.77% of historical business consumption) per year.
IDAHO	PRESTON, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/19/19	0	2,000	0	This Rural Development investment will be used to conduct an update to the hotel feasibility study completed in 2017 by Core Distinction Group, LLC, for the City of Preston. The updated feasibility study could potentially result in a new hotel construction project coming to the City of Preston. As a result of the possible hotel construction, the City of Preston could potentially see an increase in economic activity, while creating new jobs within the community. The City of Preston has pledged a $2,000 (50%) cash match toward the total cost of the feasibility study project ($4,000). The remaining $2,000 will be paid through the use of the RBDG program funds. The project meets the following Task Force on Agriculture and Rural Prosperity key strategy: Developing the Rural Economy (innovative farm technologies, energy security, recreation, agritourism, sustainable forest management, investing in rural transportation infrastructure, attracting private capital).
IDAHO	REGION IV DEV. ASSO INC.	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	37,359	0	This Rural Development investment will be used to assist rural small and emerging private business enterprise reach a degree of business preparedness with the goal of obtaining financing through a variety of private and public business loan programs, including the USDA Business and Industry Guaranteed Loan program. The goal of this proposed Technical Assistance Project is to create and maintain jobs by assisting these small and emerging businesses in obtaining the capital necessary for business operations. The project meets the following Task Force on Agriculture and Rural Prosperity key strategy: Developing the Rural Economy (innovative farm technologies, energy security, recreation, agritourism, sustainable forest management, investing in rural transportation infrastructure, attracting private capital).

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IDAHO	REGION IV DEV. ASSO INC.	RBOG	RBCS DEVELOPMENT GRANT	07/23/19	0	21,000	0	This Rural Development investment will be used to assist with costs related to the report preparation component of three Community Reviews as well as post-review follow-up with communities that have recently completed the Community Review process and are working to implement identified priorities. The reviews will be completed for the rural communities of Blackfoot, Harrison, and a third community to be selected. The reports will provide a plan of action for the communities involved and will include specific economic development activities that are expected to result in economic development in the rural communities identified. Follow-up activities will identify the status of identified priorities and assist with additional prioritization for implementation.
IDAHO	REGION IV DEV. ASSO INC.	IRP	INTERMEDIARY RELENDING PROGRAM	09/24/19	0	0	1,000,000	This Rural Development direct loan investment is used to provide a low-interest loan to public and non-profit organizations to fund a revolving loan fund to provide loan funds to relend for business and community development projects. Region IV Development Association, Inc., will be relending the $1,000,000 Rural Development loan to small businesses within the Southern Idaho service area of Blaine, Cassia, Gooding, Jerome, Lincoln, Minidoka, Twin Falls, Ada, Boise, Canyon, Elmore, Gem, Payette, and Valley counties, Idaho. The small business projects funded are anticipated to save and create up to 21 full-time jobs in these rural areas. Region IV Development Association, Inc., will be partnering with local lenders within rural Southern Idaho to finance these small businesses, as the awarded funds will make up less than 75% of each small business project. It is anticipated that projects financed through this fund by Region IV Development Association, Inc., will meet the following Task Force on Agriculture and Rural Prosperity key strategies: (1) Achieving e-Connectivity for Rural America; (2) Improving Quality of Life; (3) Supporting a Rural Workforce; (4) Harnessing Technological Innovation; and, 5) Developing the Rural Economy.
IDAHO	REGION IV DEV. ASSO INC.	RBOG	RBCS DEVELOPMENT GRANT	07/29/19	0	10,000	0	Rural Development funds will be used to bring in professional facilitation coursework to Idaho, which focuses on hands-on training in facilitation methods for asset-based community development, strategic planning, stake holder engagement, action planning, and small/large group meeting design. The goal of this proposed Technical Assistance Project is to provide professional training that will support the growth in skills for practitioners of community and economic development. The project meets the following Task Force on Agriculture and Rural Prosperity key strategy: Improving Quality of Life (economic indicators: modern utilities, aﬀordable housing, eﬀicient transportation and reliable employment; social indicators: access to medical services, public safety, education, and community resilience; Supporting a Rural Workforce (identifying employment needs, attracting available workers from urban and rural centers alike, and providing the workforce with training and education to best fill the available needs); Developing the Rural Economy (innovative farm technologies, energy security, recreation, agritourism, sustainable forest management, investing in rural transportation infrastructure, attracting private capital).
IDAHO	SALAD DAYS HOLDINGS, INC/PLAYMILL THEATE	BI	GUARANTEED B&I 3% FEE LOAN	08/30/19	4,186,000	0	0	This Rural Development loan guarantee investment will be used for the construction of a Theater/Restaurant facility located in the rural area of Island Park which is located in Fremont County, Idaho. The business will be a significant asset to the region as it will help increase tourism, provide additional jobs for local citizens, and assist surrounding businesses that offer ancillary services related to the hospitality industry. The total project cost is estimated to be $4,000,000. This project meets the following Task Force on Agriculture and Rural Prosperity priorities: Improving Quality of Life in rural communities, Supporting a Rural Workforce, and Developing the Rural Economy.

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IDAHO	SCHIERMEIER FARMS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/05/19	0	44,581	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Schiermeier Farms, LLC is a local family owned agricultural producer specializing in row crop farming located in Owyhee County, Idaho. This project investment will be used for the design, purchase, and installation of a 100kW ground mounted solar array system to power energy needs of the business and land. This project advances energy security by boosting production of energy from renewable sources (utilizing the suÍs energy.) This project will realize $20,415.19 per year in savings and will replace 243,038 kWh of electricity per year (66.22% of historical consumption) which is enough electricity to power 22 homes.
IDAHO	SCHIERMEIER, RUSSELL N	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/05/19	0	49,165	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Russell Schiermeier is the owner and legal entity name of a Rural Small Business located in Owyhee County, Idaho. The business is family owned and was established for the purpose of renting agricultural land for commodity production and cattle grazing. This Rural Energy for America Program project investment will be used for the design, purchase, and installation of a 100kW ground mounted solar array system to power energy needs of the business and land. This project advances energy security by boosting production of energy from renewable sources (utilizing the suÍs energy.) This project will realize $20,415.19 per year in savings and will replace 243,038 kWh of electricity per year (66.22% of historical consumption) which is enough electricity to power 22 homes.
IDAHO	SOUTH FORK PARTNERS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/26/19	930,000	0	0	This Rural Development loan guarantee investment will be used for tenant improvements to a commercial facility in the city of Rexburg, Madison County, Idaho. The facility is being converted to medical offices and sub-leased to a local hospital. The business will be a significant asset to the region as it will consolidate established medical practices spread-out through the area, which will create better access to medical care for the community. The proposed project is expected to create two new jobs with an average wage of $15.00 per hour, which is 207% of the federal minimum wage. The total project cost is estimated to be $1,232,257.00. This project meets the following Task Force on Agriculture and Rural Prosperity priorities: Projects that advance the quality of life via modern utilities, efficient transportation, access to medical services, including those for the treatment of and recovery from opioid addiction, and improved safety and education.
IDAHO	SRR1 ENTERPRISES, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. SRR1 Enterprises, LLC is a family owned small business located in Idaho County, Idaho. This project investment will be used for the purchase and installation of a Solar/Thermal Photovoltaic system to be installed in a newly created Recreational Vehicle park outside of Riggins, Idaho. This project advances energy security by generating production of energy and hot water from renewable sources (utilizing the suÍs energy, will realize $9,000 per year in energy savings and will eliminate the need for grid power for services provided. This project will generate 80,448 kWh of energy per year.
IDAHO	TYCHE AG, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/24/19	0	49,919	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Tyche Ag, LLC is a local family owned agricultural producer specializing in the production of potato, hay, and barley crop farming located in Rupert, Minidoka County, Idaho. This Rural Energy for America Program (REAP) project will be used for the purchase and installation of a 93.3 kW ground-mounted solar electric array to produce power to help assist in irrigation of agricultural production. This project advances energy security by boosting production of energy from natural gas, oil, coal, nuclear, and/or renewables. The project will realize the equivalent of $8,227 in energy savings and will generate 164,530 kWÍs equivalent of energy per year, (25.8% of historical consumption) which is enough to power 15 homes.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
IDAHO	UNRUH, DAVID CHRIS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/06/19	0	49,165	0	This Rural Development Investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. David Chris Unruh is a family owned farm located in Owyhee County, Idaho. This project investment will be used for the purchase and installation of a 100 kW dual axis ground mounted solar array system to power agricultural needs. This project advances energy security by boosting production of energy from renewable sources (utilizing the suÍs energy), will realize $20,415.19 per year in energy savings and will replace 243,038 kWh (60.27% of historical consumption) per year, which is enough electricity to power 22 homes per year.
IDAHO	WEBSTER'S, INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/13/19	0	49,991	0	This Rural Development Investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. WebsteÍs Inc. is a family owned farm located in Madison County, Idaho. This project investment will be used for the purchase and installation of a 98.7 kW solar array to power agricultural needs. This project advances energy security by boosting production of energy from renewable sources (utilizing the suÍs energy), will realize $10,790.99 per year in energy savings and will replace 154,157 kWh (84.47% of historical consumption) per year, which is enough energy to power 14 homes per year.
ILLINOIS	AMMANN, CRAIG	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	6,319	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Craig Ammann is a farmer located in Highland, Ill. Project funds will be used for the purchase and installation of a 18kW solar array to help power his farm. This project will realize more than $1,700 per year in savings, and will replace 14,926 kilowatt hours per year, which is enough energy to 1 power home.
ILLINOIS	AMMANN, SHARON	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	16,875	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Sharon Ammann owns a large facility that houses a rubber manufacturing facility in Highland, Ill. She and her husband are also farmers in the same area. Project funds will be used for the purchase and installation of a 37kW solar array to help power their farming operation. This project will realize more than $5,800 per year in savings, and will replace 53,863 kilowatt hours per year, which is enough energy to power 5 homes.
ILLINOIS	ARCOLA, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	99,000	0	This Rural Development investment will be used to assist the City of Arcola, Ill. to establish a revolving loan fund. A $100,000 fund will be created using $99,000 in awarded grant funds and a $1,000 contribution from the city. The primary goal of loan fund will be to focus on local projects while promoting small businesses of fewer than 50 employees. Eligible projects would include: working capital, machinery, equipment, real estate etc. An active revolving loan fund would be a much-needed addition to the citÍs economic development tool box, which offers more flexibility than local tax increment financing incentives. Keeping the small businesses thriving in Arcola will be a vital piece of the local economy and future small business growth.
ILLINOIS	ARUTHUR'S AG SOLUTIONS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	19,087	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Arthur's Ag Solution LLC is a grain drying and storage facility located in Hindsboro, Ill. Project funds will be used for the purchase and installation of a 12kW and 48kW solar array to help power their site. This project will realize more than $7,800 per year in savings, and will generate 78,696 kilowatt hours per year, which is enough energy to power 7 homes.
ILLINOIS	AULT, SCOTT	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	5,124	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Scott Ault is a farmer located in Good Hope, Ill. Project funds will be used for the purchase and installation of a 10kW solar array to help power the farm. This project will realize more than $1,800 per year in savings, and will replace 12,541 kilowatt hours per year, which is enough energy to power 1 home.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
ILLINOIS	AURORA SPORTSMEN'S CLUB	BI	GUARANTEED B&I 3% FEE LOAN	05/30/19	1,899,000	0	0	This Rural Development investment will be used to purchase an adjoining piece of land, restructure debt, and cover fees and costs. The Aurora Sportsmen s Club (ASC) is a 2,500-member, non-profit shooting club that operates on 291.50 acres in rural Waterman, IL. Their facility provides members a variety of outdoors sporting activities including shooting ranges, archery ranges, limited fishing and hunting, and shooting competitions open to the public. The land acquisition will provide better and safer access the northern side of their shooting range. It will also allow them land for future expansions. The debt restructuring will eliminate an upcoming balloon payment under the current term financing and replace it with a fully-amortized 25-year loan term. A separate $500,000 Business & Industry Guaranteed Loan is being made to the ASC to construct three new buildings. These will be used for member congregation areas, office/meeting space, and storage. ASC is contributing $66,529 in matching funds to this guaranteed loan and $100,000 in matching funds to the $500,000 guaranteed loan. These guaranteed loans will stabilize ASC's long-term financing and provide new facilities to attract and retain members, thus providing members and area residents continued access to a high-quality outdoor sporting facility.
ILLINOIS	AURORA SPORTSMEN'S CLUB	BI	GUARANTEED B&I 3% FEE LOAN	05/30/19	500,000	0	0	This Rural Development investment will be used to construct three buildings. The Aurora Sportsmen s Club (ASC) is a 2,500-member, non-profit shooting club that operates on 291.50 acres in rural Waterman, IL. Their facility provides members a variety of outdoors sporting activities including shooting ranges, archery ranges, limited fishing and hunting, and shooting competitions open to the public. The new buildings will be used for member congregation areas, office/meeting space, and storage. A separate $1,899,000 Business & Industry Guaranteed Loan is being made to the ASC to acquire additional land, restructure debt, and cover fees and costs of both loans. ASC is contributing $100,000in matching funds to this guaranteed loan and $66,529 in matching funds to the $1,899,000 guaranteed loan. These guaranteed loans will stabilize ASC's long-term financing and provide new facilities to attract and retain members, thus providing members and area residents continued access to a high-quality outdoor sporting facility.
ILLINOIS	BECKMAN FARMS, INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/24/19	0	15,106	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Beckman Farms Inc. is a swine and grain farmer in Dieterich, Ill. This project is anticipated to realize more than $8,300 per year in savings, and will replace 141,588 kilowatt hours (58%) per year, which is enough energy to power 13 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ILLINOIS	BED AND BISCUIT 2, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/23/19	0	34,114	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Bed and Biscuit 2, LLC is a dog grooming facility located in Kingston, Ill. Project funds will be used for the purchase and installation of a 40kW solar array to help power the business. This project will realize more than $4,500 per year in savings, and will replace 58,044 kilowatt hours per year, which is enough energy to power 5 homes.
ILLINOIS	BEISIEGEL, DONALD	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/17/19	0	10,500	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Donald Beisiegel is a grain farmer located in Freeburg, Ill. Project funds will be used for the purchase and installation of a 13kW and 17kW solar array to help power his farm. This project will realize more than $5,000 per year in savings, and will replace 40,987 kilowatt hours per year, which is enough energy to power 3 homes.
ILLINOIS	BENING, DAVID J.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	16,250	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. David Bening is a grain farmer located in Okawville, Ill. Project funds will be used for the purchase and installation of a 39kW solar array to help power his farm. This project will realize more than $4,500 per year in savings, and will replace 40,054 kilowatt hours per year, which is enough energy to power 3 homes.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
ILLINOIS	BESSERMAN BOWLING DYNAMIX, INC.	BI	GUARANTEED B&I 3% FEE LOAN	11/29/18	142,905	0	0	This Rural Development guaranteed investment will assist a small, family-owned bowling alley with debt restructuring to allow them to remain solvent. Their current SBA 7A loan had a variable interest rate of Prime + 2.75% with monthly rate adjustments, which gives them a current effective interest rate of 8.0% (which will increase if Prime increases again). The owners will be borrowing against their personal residence in order to inject some funds into the business to assist with the payoff of their current term debt. The proposed B&I loan will refinance the remaining SBA loan balance over 20 years with a fixed interest rate of 5.45% on the guaranteed portion ($114,325) and a variable rate of Prime + 0.50% on the unguaranteed portion ($28,581). The restructuring of this debt is anticipated to reduce the business's payment requirements by $7,932 per year, which represents an approximate 40% payment reduction vs. their current payment requirements. Harold and Tressa Besserman purchased this dormant bowling alley in March of 2017, undertook substantial renovations with their own cash, and opened to the public on 4/24/17. Their facility provides this small community and other surrounding small communities with a fun, leisure activity in an area that is lacking in other entertainment options. They provide their customers with regular bowling and dart leagues, open bowling, a bar with a limited food menu, and facility rental options for birthday parties, events, or fundraisers. This debt restructuring will help to retain the 3 full-time equivalent jobs of the 2 owners (full-time employees) and their 2 daughters (part-time employees).
ILLINOIS	BOSS CARPET ONE, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/16/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Boss Carpet One LLC is a flooring contractor located in Dixon and Freeport, Ill. Project funds will be used for the purchase and installation of a 30kW and 36kW solar array to help power the stores. This project will realize more than $10,000 per year in savings, and will replace 84,288 kilowatt hours per year, which is enough energy to power 7 homes.
ILLINOIS	BREIBY, MICHAEL	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	28,140	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Michael Breiby is a grain and swine farmer located in Aledo, Ill. Project funds will be used for the purchase and installation of two 33kW and one 27kW solar arrays to help power his operation. This project will realize more than $11,700 per year in savings, and will replace 132,154 kilowatt hours per year, which is enough energy to power 12 homes.
ILLINOIS	BUSH, VINCENT (BILL)	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/27/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Vincent Bush is a farmer located in Morrison, Ill. Project funds will be used for the purchase and installation of a 25kW & 36kW solar array to help power the farm. This project will realize more than $7,100 per year in savings, and will replace 71,387 kilowatt hours per year, which is enough energy to power 6 homes.
ILLINOIS	CARBONDALE, CITY OF	RBOG	RBCS DEVELOPMENT GRANT	06/27/19	0	30,500	0	This Rural Development investment will be used to assist the city of Carbondale, Ill. with determining the feasibility of a coworking space in the downtown business district. A Rural Business Development Grant of $30,500 has been awarded to the city, along with matching contributions of $30,500 from the applicant and local economic development organizations. Carbondale is in an Opportunity Zone and a High Poverty Target area and has experienced a negative impact in the local economy stemming from the dropping enrollment of Southern Illinois University, which is located in the city of Carbondale. If deemed feasible, this coworking space would operate as a business support and technology center, supporting existing small businesses and prospective entrepreneurs.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
ILLINOIS	CARROLLTON, CITY OF	RBOG	RBCS DEVELOPMENT GRANT	06/27/19	0	30,500	0	This Rural Development investment will be used to assist the city of Carrollton, Ill. to prepare an opportunity analysis and downtown vision plan for the streets surrounding its town square. A Rural Business Development Grant of $30,500 has been awarded to the city, along with matching funds in the amount of $31,000 from the applicant to engage with consultants to prepare the plan. Carrollton, like many rural communities, has been affected by business and population outmigration and the resulting economic impacts of these trends. The goal of this project will be to help plan the next steps, potential funding mechanisms and specific strategies for the downtown revitalization.
ILLINOIS	COLES-MOULTRIE ELECTRIC COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	06/13/19	0	0	2,000,000	This Rural Development investment will be used to provide loans to rural utilities program eligible borrowers to provide economic development. This project will be for the construction of a Hilton Garden Inn and Conference Center through loan funds provided by the Coles-Moultrie Electric Cooperative. The project will be a full-service, 102 room hotel with a 10,000 square foot conference center located in Mattoon, Ill. The hotel will be located near Eastern Illinois University, Lakeland College, Sara Bush Lincoln Health System, and many businesses.. The project will help create 66 full-time jobs.
ILLINOIS	DAVID MARTI TRUCKING INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	7,058	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. David Marti Trucking Inc. is a freight trucking company located in Forrest, Ill. Project funds will be used for the purchase and installation of a 20kW solar array to help power the business. This project will realize more than $1,800 per year in savings, and will replace 19,559 kilowatt hours per year, which is enough energy to power 2 homes. The business will also be selling 688 kilowatt hours back to the electric grid.
ILLINOIS	DIEDRICH, DAVID	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	19,621	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. David Diedrich is a farmer located in Scales Mound, Ill. Project funds will be used for the purchase and installation of a 42kW solar array to help power his farm. This project will realize more than $5,300 per year in savings, and will replace 47,503 kilowatt hours per year, which is enough energy to power 4 homes.
ILLINOIS	DIETERICH, VILL OF	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	54,182	0	This Rural Development investment will be used to assist the village of Dieterich, Ill. to expand their current industrial park. The project will consist of 2 phases, including the construction of an access street and storm sewer system in Phase I. Rural Business Development Grant funds of $54,182 have been awarded to the city to assist with completing Phase II of the project which will extend water and sanitary sewer services to the park. Four local businesses have already committed to relocating or building new facilities within the industrial park, creating 20 new jobs. This project is part of the villages proactive vision for economic development. Dieterich believes that new residents and small businesses are the lifeblood their growing community. Their willingness to invest in this industrial park is further evidence of their overall economic development plan.
ILLINOIS	EGYPTIAN ELECTRIC COOPERATIVE ASSN.	REDLG	PP-REDL-ELECTRIC REDL - FINANCING (ELECTRIC) - LOAN	09/10/19	0	0	1,000,000	This Rural Development investment will be used to provide loans to rural utilities program eligible borrowers to provide economic development. This project will be for the renovation of the middle school in Murphysboro, Ill., with loan funds provided by the Egyptian Electric Cooperative Association. The project will consist of classroom and electrical upgrades and installation of new heating, ventilation and air conditioning systems. The middle school has 56 employees and this project will help retain all full-time employees.
ILLINOIS	ELM FARMS GRAIN LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/24/19	0	16,128	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Elm Farms Grain LLC is a farmer in Okawville, Ill. This project is anticipated to realize more than $8,600 per year in savings, and will replace 256,389 kilowatt hours (47%) per year, which is enough energy to power 23 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
ILLINOIS	ELMORE, THOMAS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/23/19	0	5,778	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Thomas Elmore is a grain farmer located in Girard, Ill. Project funds will be used for the purchase and installation of a 10kW solar array to help power his farm. This project will realize more than $1,300 per year in savings, and will generate 14,356 kilowatt hours per year, which is enough energy to power 1 home.
ILLINOIS	FEUTZ CONTRACTORS, INC.	BI	GUARANTEED B&I 3% FEE LOAN	03/27/19	3,000,000	0	0	This Rural Development investment will provide debt restructuring assistance to Feutz Contractors Inc., a heavy construction contractor based in Paris, Ill. specializing in earthwork, utility installation, streets, and concrete work. They serve the public and private sector in east-central Illinois and west-central Indiana and have been in business since 1925. They employ primarily union workers at an average rate of $31.00 per hour. This project will retain 69 jobs for this small, high-povery community, and it will ensure Feutz s ability to continue providing their construction services to the region. 2018 was a tough year for Feutz due to reduced public works activity, which caused increased market competition. As such, Feutz is in need of debt restructuring to ease cash flow requirements. Developments in Indiana and Illinois state governments point to an increase in public works projects for 2019 and beyond, and Feutz has been pursuing more private development work as a means of diversifying revenue sources. This project will reduce Feutz's debt service requirements by more than $2.3 million, thus providing "room to breathe" while business picks back up for them. Feutz Contractors will contribute $536,500 towards this debt restructuring project, and Peoples Bank & Trust will be contributing $188,355.
ILLINOIS	FRANKLIN, COUNTY OF	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	99,999	0	This Rural Development investment will be used to assist Franklin County, Ill. to purchase and demolish an existing building in Benton, Ill and construct a new parking lot that will serve the downtown area. A Rural Business Development Grant of $99,999 has been awarded, along with a contribution from the county of $34,764 in order to complete the project. Parking in Bentoîs downtown square are is inadequate to serve the many private businesses and facilities located there. The location of the project is an ideal place to construct a parking lot and the building being demolished currently sits vacant and is in a state of disrepair. The project will help to adequately serve the customers of the local businesses in the downtown area. This type of economic development is vitally important to Benton, which is in a High Poverty and an Opportunity Zone.
ILLINOIS	GENSLER, MELISSA A	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/24/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Melissa Gensler is a grain farmer located in Rochelle, Ill. Project funds will be used for the purchase and installation of a 57kW solar array to help power her farm. This project will realize more than $9,400 per year in savings, and will replace 79,905 kilowatt hours per year, which is enough energy to power 7 homes.
ILLINOIS	GENSLER, RICHARD	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	6,817	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Richard Gensler is farmer located in Rochelle, Ill. Project funds will be used for the purchase and installation of a 18kW solar array to help power his farm. This project will realize more than $1,800 per year in savings, and will replace 17,880 kilowatt hours per year, which is enough energy to power 1 home.
ILLINOIS	GITTLESON, MICHAEL	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/24/19	0	14,647	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Michael Gittleson is a grain farmer in Ashton, Ill. This project is anticipated to realize more than $7,800 per year in savings, and will replace 114,983 kilowatt hours (49%) per year, which is enough energy to power 10 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
ILLINOIS	GND HOLDINGS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	19,421	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. GND Holdings LLC is an agriculture producer located in Metamora, Ill. Project funds will be used for the purchase and installation of a 44kW solar array to help power the horse barn. This project will realize more than $5,300 per year in savings, and will replace 57,832 kilowatt hours per year, which is enough energy to power 6 homes. They will also be selling 4,816 kilowatt hours back to the electric grid.
ILLINOIS	H.M. AUTOMOTIVE, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/24/19	0	19,956	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. HM Automotive Inc. is an automotive dealership located in Centralia, Ill. Project funds will be used for the purchase and installation of a 102kW solar array to help power the business. This project will realize more than $12,000 per year in savings, and will replace 150,725 kilowatt hours per year, which is enough energy to power 14 homes.
ILLINOIS	HAMERLINCK, NEIL A	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	11,900	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Neil Hamerlinck is a grain farmer and also owns a storage facility, both located in Orion, Ill. Project funds will be used for the purchase and installation of a 19kW and 9kW solar array to help power the farm and business. This project will realize more than $5,500 per year in savings, and will replace 26,262 kilowatt hours per year, which is enough energy to power 2 homes. The systems will also be generating another 12,211 kilowatt hours that will be sold back to the grid. That is enough energy to power another additional home.
ILLINOIS	HAYENGA, CAROL L	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	6,822	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Carol Hayenga is a grain farmer located in Kings, Ill. Project funds will be used for the purchase and installation of a 16kW solar array to help power the farm. This project will realize more than $1,800 per year in savings, and will replace 19,769 kilowatt hours per year, which is enough energy to power 2 homes.
ILLINOIS	HILL VIEW FARMS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/23/19	0	7,456	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Hill View Farms Inc. is a grain farm located in Mt. Carmel, Ill. Project funds will be used for the purchase and installation of a 14kW solar array to help power their farming operation. This project will realize more than $1,500 per year in savings, and will replace 12,187 kilowatt hours per year, which is enough energy to power 1 home.
ILLINOIS	HUELSING, SCOTT H	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/24/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Scott Huelsing is a grain farmer in Effingham, Ill. This project is anticipated to realize more than $10,800 per year in savings, and will replace 209,200 kilowatt hours (45%) per year, which is enough energy to power 19 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ILLINOIS	HUNT FARMS PARTNERSHIP	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	21,014	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Hunt Farms Partnership is a farming operation located in Mazon, Ill. Project funds will be used for the purchase and installation of a 75kW solar array to help power the operation. This project will realize more than $10,400 per year in savings, and will replace 104,367 kilowatt hours per year, which is enough energy to power 9 homes.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
ILLINOIS	INNESS FARM R&R	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	50,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Inness Farms R&R is a grain farm located in Galesburg, Ill. Project funds will be used for the purchase and installation of an 138kW and 35kW solar array to help power the farming operation. This project will realize more than $24,559 per year in savings, and will replace 224,334 kilowatt hours per year and generate another 17,248 kilowatt hours, which is enough energy to power 22 homes.
ILLINOIS	JDS AUTO BODY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	14,843	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. JDS Auto Body is an automotive body, paint, and interior repair and maintenance business located in Trenton, Ill. Project funds will be used for the purchase and installation of a 34kW solar array to help power the business. This project will realize more than $4,000 per year in savings, and will replace 41,829 kilowatt hours per year, which is enough energy to power 4 homes.
ILLINOIS	JOHNSON, LARRY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/17/19	0	5,698	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Larry Johnson is a leases real estate and is located in Altona, Ill. Project funds will be used for the purchase and installation of a 17kW solar array to help power the farm he leases out. This project will realize more than $1,500 per year in savings, and will replace 14,299 kilowatt hours per year, which is enough energy to power 1 home.
ILLINOIS	KATHY'S KITCHEN LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	8,254	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Kathy's Kitchen LLC is a fruit and vegetable canning business located in Virginia, Ill. Project funds will be used for the purchase and installation of a 30kW solar array to help power the business. This project will realize more than $2,600 per year in savings, and will replace 25,315 kilowatt hours per year, which is enough energy to power 2 homes. They will also be selling an additional 7,491 kilowatt hours back to the electric grid.
ILLINOIS	KELLER, STEVEN	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/17/19	0	16,842	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Steven Keller is a grain farmer in Newton, Ill. This project is anticipated to realize more than $8,400 per year in savings, and will replace 193,854 kilowatt hours (69%) per year, which is enough energy to power 17 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ILLINOIS	KELLER, VICTORIA	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	13,851	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Victoria Keller is a grain and swine farmer located in Newton, Ill. Project funds will be used for the purchase and installation of a 24kW solar array to help power her hog confinement facility. This project will realize more than $4,000 per year in savings, and will replace 33,833 kilowatt hours per year, which is enough energy to power 3 homes.
ILLINOIS	KELLY, CLARK BOYD	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	6,511	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Clark Kelly is a farmer located in Biggsville, Ill. Project funds will be used for the purchase and installation of an 8kW and 13kW solar array to help power the farm. This project will realize more than $3,600 per year in savings, and will replace 29,560 kilowatt hours per year, which is enough energy to power 2 homes.
ILLINOIS	KOELLER, KENNETH G	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	2,637	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Kenneth Koeller is a lessor of real estate and is located in Marissa, Ill. Project funds will be used for the purchase and installation of a 14kW solar array to help power his operation. This project will realize more than $1,200 per year in savings, and will replace 10,923 kilowatt hours per year, which is enough energy to power 1 home.

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ILLINOIS	KORTE, KEITH	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	6,187	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Keith Korte is a grain farmer located in Albers, Ill. Project funds will be used for the purchase and installation of a 12kW solar array to help power the farm. This project will realize more than $2,000 per year in savings, and will replace 16,671 kilowatt hours per year, which is enough energy to power 1 home.
ILLINOIS	LARSON FARMS PARTNERSHIP	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	80,460	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Larson Farms Partnership is a cattle and grain farmer located in Maple Park, Ill. Project funds will be used for the purchase and installation of an 199kW solar array to help power the farming operation. This project will realize more than $22,000 per year in savings, and will replace 240,960 kilowatt hours per year and generate another 36,210 to sell back to the electric grid. This is enough energy to power 25 homes.
ILLINOIS	LINK, JEFFREY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	11,500	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Jeffrey Link is an agricultural producer located in Abingdon, Ill. Project funds will be used for the purchase and installation of a 19kW solar array to help power his farm. This project will realize more than $3,600 per year in savings, and will replace 25,632 kilowatt hours per year, which is enough energy to power 2 homes.
ILLINOIS	LYONS, THOMAS P	BI	GUARANTEED B&I 3% FEE LOAN	03/28/19	649,079	0	0	This Rural Development Business & Industry Loan Guarantee will be used to purchase a commercial building in Robinson, Ill. The $1,267,423.00 purchase consists of a $618,344.00 contribution from the borrowers, Thomas and Faith Lyons, and a $649,079.00 Business & Industry Guaranteed Loan made by Bank of Springfield. The current tenant of the building is a KFC Restaurant franchise. The city of Robinson, Ill. will benefit from the retention of a popular local dining establishment and roughly 25 jobs will be retained in the community as a result of the project.
ILLINOIS	M.J.M. ELECTRIC COOPERATIVE, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/24/19	0	19,933	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. M.J.M Electric Cooperative is an electric distribution cooperative located in Jerseyville, Ill. Project funds will be used for the purchase and installation of a new geothermal system at their facility to offset previous energy usage. This project will realize more than $8,900 per year in savings, and will replace 212,818 kilowatt hours per year, which is enough energy to power 20 homes.
ILLINOIS	MAIN HITCH FARM INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	19,880	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Main Hitch Farms is a swine farmer located in Altona, Ill. Project funds will be used for the purchase and installation of a 69kW solar array to help power the hog confinement facilities. This project will realize more than $6,900 per year in savings, and will replace 83,378 kilowatt hours per year, which is enough energy to power 7 homes.
ILLINOIS	MARSHALL AREA CHAMBER OF COMMERCE	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	24,000	0	This Rural Development investment will be used to provide $24,000 in grant funds to the Marshall Area Chamber of Commerce to renovate space within their facility that is used as a business incubator. The incubator currently houses four small businesses. The proposed improvements include HVAC upgrades and the complete re-wiring of the lower level of the building. These improvements are necessary to remove safety hazards as well as provide consistent temperatures to the tenant spaces. Without these improvements, the businesses may be forced to vacate the incubator or may lose clients due to the subpar facility conditions. The grantee will contribute $5,000 of their own funds to complete this project.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
ILLINOIS	MARTIN, ALAN L	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Alan Martin is a farmer located in Alexis, Ill. Project funds will be used for the purchase and installation of a 52kW solar array to help power the farm. This project will realize more than $7,000 per year in savings, and will replace 71,312 kilowatt hours per year, which is enough energy to power 7 homes.
ILLINOIS	MAY, IRA	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	12,877	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Ira May dba May West Pork is a swine farmer located in Newton, Ill. Project funds will be used for the purchase and installation of a 17kW solar array to help power the swine operation. This project will realize more than $2,700 per year in savings, and will replace 24,683 kilowatt hours per year, which is enough energy to power 2 homes.
ILLINOIS	MEIER, CHARLES E.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/17/19	0	12,791	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Charles Meier is a cattle farmer located in Okawville, Ill. Project funds will be used for the purchase and installation of a 46kW solar array to help power his farm. This project will realize more than $5,000 per year in savings, and will replace 54,252 kilowatt hours per year, which is enough energy to power 5 homes.
ILLINOIS	MEISTER, JOANNA	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/17/19	0	5,125	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Joanna Meister owns salon and day spa located in Fairbury, Ill. Project funds will be used for the purchase and installation of a 8kW solar array to help power her business. This project will realize more than $1,300 per year in savings, and will replace 10,661 kilowatt hours per year, which is enough energy to power 1 home.
ILLINOIS	MILBY, SANDRA C	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	6,348	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Sandra Milby is a farmer located in Laura, Ill. Project funds will be used for the purchase and installation of an 11kW solar array to help power the farm. This project will realize more than $1,800 per year in savings, and will replace 15,160 kilowatt hours per year, which is enough energy to power 1 home.
ILLINOIS	MOFFITT, JUSTIN	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	14,433	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Justin Moffitt is a farmer located in Gilson, Ill. Project funds will be used for the purchase and installation of a 50kW solar array to help power his farm. This project will realize more than $3,800 per year in savings, and will replace 38,211 kilowatt hours per year, which is enough energy to power 3 homes. The system will also produce another 27,783 kwh that will be sold back to the electric grid.
ILLINOIS	MOLLN, MELISSA DAWN	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	16,949	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Melissa Molln is a farmer located in Toulon, Ill. Project funds will be used for the purchase and installation of a 13kW and 22kW solar array to help power the farm. This project will realize more than $4,900 per year in savings, and will replace 41,318 kilowatt hours per year, which is enough energy to power 3 homes.
ILLINOIS	MOORE, STEVE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	3,493	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Steven Moore is a grain farmer located in Rock Falls, Ill. Project funds will be used for the purchase and installation of a 7kW solar array to help power his farm. This project will realize more than $1,700 per year in savings, and will generate 8,343 kilowatt hours per year, which is enough energy to power 1 home.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
ILLINOIS	MORRISON, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	99,000	0	This Rural Development investment will be used to upgrade the street lights in Morrison's downtown business district. The existing street lights in the business district consist of several different fixture styles that are all old, inefficient, and do not provide ample lighting for the streets and sidewalks. Morrison will install approximately 56 new, high-efficiency LED street lights that provide better illumination for both cars and pedestrians. Improved lighting will increase both the attractiveness and safety of the business district, thus ideally increasing traffic of potential customers to the local businesses. Morrison will contribute $401,000 in matching funds to this lighting project. It should be noted that Morrison is completing this lighting project as part of a larger Main Street Redevelopment Project that will consist of the replacement of sidewalks, curbs and gutters, roadways, and water mains. These improvements are being funded separately from the lighting project.
ILLINOIS	MURPHYSBORO, CITY	RBEG	PERSISTENT POVERTY RBCS BUSINESS ENTERPRISE GRANT	05/30/19	0	60,000	0	This Rural Development investment will be used to purchase period specific awnings available for lease by downtown businesses in the city of Murphysboro, Ill. The downtown façade of Murphysboro is in definite need of an aesthetic upgrade. There are 28 small business in the downtown area that will have the opportunity to lease the awnings. The project will promote the retention of the existing businesses in the downtown district and overall reinvestment in the community. Supporting business and employment growth and retention is vital in persistent poverty area such as Murphysboro.
ILLINOIS	NELSON FAMILY FARMS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	28,475	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Nelson Family Farms is a swine farmer located in Lynn Center, Ill. Project funds will be used for the purchase and installation of a 62kW and 44kW solar array to help power the swine operation. This project will realize more than $12,100 per year in savings, and will replace 135,571 kilowatt hours per year and generate another 8,682 kilowatt hours, which is enough energy to power 8 homes.
ILLINOIS	NIGHTINGALE, STEVEN RICHARD	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/24/19	0	4,790	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Steve Nightingale is a grain farmer located in Osco, Ill. Project funds will be used for the purchase and installation of a 13kW solar array to help power his farm. This project will realize more than $1,300 per year in savings, and will replace 19,401 kilowatt hours per year, which is enough energy to power 2 homes.
ILLINOIS	OBERG, BENJAMIN C	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	4,816	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Ben Oberg is a farmer located in Villa Grove, Ill. Project funds will be used for the purchase and installation of a 9.75kW solar array to help power farm. This project will realize more than $1,000 per year in savings, and will replace 8,270 kilowatt hours per year, which is enough energy to power 1 home.
ILLINOIS	OBERMEIER TRUCK SERVICE, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	17,896	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Obermeier Truck Service LLC is a freight trucking company located in Okawville, Ill. Project funds will be used for the purchase and installation of a 40kW solar array to help power the business. This project will realize more than $4,400 per year in savings, and will replace 40,073 kilowatt hours per year, which is enough energy to power 5 homes. The business will also be selling 12,104 kilowatt hours back to the electric grid.
ILLINOIS	OLSEN, JEFFREY D	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/24/19	0	6,969	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Jeffrey Olsen is a grain farmer located in Prophetstown, Ill. Project funds will be used for the purchase and installation of a 18kW solar array to help power his farm. This project will realize more than $1,800 per year in savings, and will replace 16,206 kilowatt hours per year, which is enough energy to power 1 home. He will also be selling 758 kilowatt hours back to the electric grid.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
ILLINOIS	OLSON, DERIC D	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/24/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Deric Olson is a grain farmer in Prophetstown, Ill. This project is anticipated to realize more than $14,600 per year in savings, and will replace 289,872 kilowatt hours (42%) per year, which is enough energy to power 26 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
ILLINOIS	ORTHOTECH SPORTS MEDICAL EQUIPMENT, INC.	BI	GUARANTEED B&I 3% FEE LOAN	03/21/19	4,282,366	0	0	This Rural Development Business & Industry Loan Guarantee will help to restructure debt, purchase equipment and provide working capital for an exercise equipment manufacturer & distributor in Herrin, Illinois. The restructure of debt totaling 3.6 million dollars will be used to open up roughly $14,000 in cash flow per month. A new spindle lathe will be purchased for $285,000.00 and the remainder of the 4.2 million dollar project will be used for working capital. The borrower anticipates hiring 4 to 6 employees paying an average of $23 per hour as a result of the project. With the added jobs, the facility will provide a total of 21-23 good paying jobs for the community.
ILLINOIS	POPPY, KEITH	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/24/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Keith Poppy is a swine farmer located in Lynn Center, Ill. Project funds will be used for the purchase and installation of a 72kW solar array to help power his swine operation. This project will realize more than $8,300 per year in savings, and will replace 96,037 kilowatt hours per year, which is enough energy to power 8 homes.
ILLINOIS	PULASKI, COUNTY OF	RBEG	PERSISTENT POVERTY RBCS BUSINESS ENTERPRISE GRANT	05/30/19	0	60,000	0	This Rural Development investment will be used to replace the roof on the Pulaski County business incubator building located in Mounds, Ill. The roof of this facility has been leaking for quite some time, and multiple repair attempts have failed to stop the leaks. This incubator houses six small businesses that employ a total of 22 area residents. Leaking water has damaged inventory of the tenant business and created unsafe and unprofessional conditions courtesy of the buckets placed throughout the building to catch the drips. Replacing this roof will allow these businesses and their employees to remain in the incubator space, which provides them a business-friendly environment in which to continue their growth and development. Supporting business and employment growth and retention is vital in depressed communities such as Mounds, where the median household income is well below the poverty line. Mounds also falls within an Opportunity Zone area, and Pulaski County is a designated persistent poverty county. Pulaski County previously received a Rural Business Enterprise Grant of $101,115 in 2004 to aid in the construction of this facility.
ILLINOIS	REBBE, GREG	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	5,707	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Greg Rebbe is farm seed salesman located in Petersburg, Ill. Project funds will be used for the purchase and installation of a 9kW solar array to help power his business. This project will realize more than $1,500 per year in savings, and will replace 13,640 kilowatt hours per year, which is enough energy to power 1 home.
ILLINOIS	REND LAKE DENTAL LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/17/19	0	16,061	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Rend Lake Dental LLC is a dentist office located in Benton, Ill. Project funds will be used for the purchase and installation of a 36kW solar array to help power the business. This project will realize more than $4,600 per year in savings, and will replace 48,356 kilowatt hours per year, which is enough energy to power 4 homes.
ILLINOIS	ROBERT, DALE	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/23/19	0	10,343	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Dale Robert owns a power machine shop in Coulterville, Ill. Project funds will be used for the purchase and installation of a 13kW solar array to help power his business and farm. This project will realize more than $2,000 per year in savings, and will replace 18,748 kilowatt hours per year, which is enough energy to power 1 home.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
ILLINOIS	ROSENGREN FARMS, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/24/19	0	15,087	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Rosengren Farms Inc. is a real estate leasing company located in Rock Falls, Ill. Project funds will be used for the purchase and installation of a 41kW solar array to help power his swine operation. This project will realize more than $6,000 per year in savings, and will replace 57,585 kilowatt hours per year, which is enough energy to power 5 homes.
ILLINOIS	ROSS INTERIORS INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	22,700	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Ross Interiors, Inc. is a furniture store located in Lena, Ill. Project funds will be used for the purchase and installation of an 196kW solar array to help power the store. This project will realize more than $13,700 per year in savings, and will replace 130,679 kilowatt hours per year, which is enough energy to power 12 homes.
ILLINOIS	RUNYON, BLAKE S	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	10,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Blake Runyon is a farmer and also owns an oil tool service company located in Olney, Ill. Project funds will be used for the purchase and installation of a 30kW solar array to help power his farm. This project will realize more than $3,100 per year in savings, and will replace 25,762 kilowatt hours per year, which is enough energy to power 2 homes. He will also be selling 3,300 kilowatt hours back to the electric grid.
ILLINOIS	SCHORFHEIDE, GREG	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	17,498	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Greg Schorfheide is a grain farmer located in Tamaroa, Ill. Project funds will be used for the purchase and installation of a 41kW solar array to help power his farm. This project will realize more than $6,300 per year in savings, and will replace 58,105 kilowatt hours per year, which is enough energy to power 5 homes.
ILLINOIS	SHAW, WILLARD	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/24/19	0	11,291	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Willard Shaw is a farmer located in Oneida, Ill. Project funds will be used for the purchase and installation of a 48kW solar array to help power the store. This project will realize more than $14,600 per year in savings, and will replace 57,053 kilowatt hours per year, which is enough energy to power 5 homes.
ILLINOIS	SMITH, CARL P	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	5,172	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Carl Smith is a grain farmer located in Allerton, Ill. Project funds will be used for the purchase and installation of a 9kW solar array to help power his farm. This project will realize more than $1,400 per year in savings, and will replace 14,046 kilowatt hours per year, which is enough energy to power 1 home.
ILLINOIS	SMITH, VICTOR R	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	4,068	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Victor Smith is a grain farmer located in Sidell, Ill. Project funds will be used for the purchase and installation of a 12kW solar array to help power his farm. This project will realize more than $1,100 per year in savings, and will replace 11,292 kilowatt hours per year, which is enough energy to power 1 home.
ILLINOIS	SOUTHEASTERN ILLINOIS COMM.FOUNDATION	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	98,391	0	This Rural Development investment will be used to assist the Southeastern Illinois Community Foundation with the purchase of furnishings and audiovisual equipment for the Cross County Innovation Center business incubator project in Mattoon, Ill. The project is being funded by a combination of the $98,391 Rural Business Development Grant, a $325.000 Google grant and $73,155 in services provided by local partners. The business incubator space will provide economic and education opportunities for entrepreneurs in Coles county, Ill. Members will receive training, mentoring and coaching regarding how to start, grow and maintain businesses.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
ILLINOIS	SOUTHERN FIVE DEVELOPMENT CORPORATION	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	44,428	0	This Rural Development investment will fund the purchase of a Bobcat Skid Steer and a 16 ft. dump trailer for Southern Five Development Corporation, who will then lease it to Marshall Tree Service. Marshall Tree Service offers tree removal, tree clipping, brush clipping, stump grinding and clearing right-of-way in southern IL. They employ 3 people currently and will be able to add 1 employee as a result of this project. They are unable to obtain financing for this piece of equipment, which will add a great deal of efficiency to the business.
ILLINOIS	SOUTHERN FIVE DEVELOPMENT CORPORATION	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	15,276	0	Rural Development Loan funds will be used to capitalize a Rural Microloan Revolving Fund to make microloans to rural microentrepreneurs and microenterprises. Rural Development grant funds will be used to provide technical assistance and training to rural microentrepreneurs and microenterprises. The Corporation s rural market includes 5 counties designated as Delta Regional Authority communities which are characterized by high unemployment rates and high poverty.
ILLINOIS	SOUTHERN IL COAL BELT CHAMPION	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	70,990	0	Rural Development grant funds will be used to provide technical assistance and training to rural microentrepreneurs and microenterprises. The Corporation s service area includes 11 counties designated as Delta Regional Authority communities which are characterized by high unemployment rates and high poverty
ILLINOIS	STARWALT, BARB	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	9,022	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Barb Starwalt is a grain farmer located in Jewett, Ill. Project funds will be used for the purchase and installation of a 13kW and 7kW solar array to help power her family farm. This project will realize more than $1,700 per year in savings, and will replace 19,704 kilowatt hours per year, which is enough energy to power 1 home.
ILLINOIS	THE RAFTERS RESTAURANT LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	40,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. The Rafters Restaurant, LLC is a restaurant located in Lena, Ill. Project funds will be used for the purchase and installation of an 196kW solar array to help power their business. This project will realize more than $27,000 per year in savings, and will replace 269,611 kilowatt hours per year, which is enough energy to power 24 homes.
ILLINOIS	THOLE, DANIEL G	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	8,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Daniel Thole is a cattle farmer located in Aviston, Ill. Project funds will be used for the purchase and installation of a 20kW solar array to help power his farm. This project will realize more than $2,000 per year in savings, and will replace 25,645 kilowatt hours per year, which is enough energy to power 2 homes.
ILLINOIS	TROST PLASTICS INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	20,662	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Trost Plastics is a plastic fencing manufacturing company located in Columbia, Ill. Project funds will be used for the purchase and installation of a 79kW solar array to help power the business. This project will realize more than $8,700 per year in savings, and will replace 104,193 kilowatt hours per year, which is enough energy to power 9 homes.
ILLINOIS	TRU BILT FARM AND COMMERCIAL BUILDING CO	BI	GUARANTEED B&I 3% FEE LOAN	05/30/19	1,517,581	0	0	This Rural Development investment will be used to restructure debt and cover fees. Tru Bilt Farm and Commercial Company Inc is a post-frame metal building construction company that operates in Marion, Ill. The company has been a staple of the community since 1990 and provides its services to all of southern Ill, parts of northern Kentucky and the St. Louis metropolitan area. The debt restructuring will save approximately $126,000 in annual payments, reducing their current payments by nearly half. This guaranteed loan will increase Tru Bilts cash flow long-term and allow them to focus on expansion and providing their services for decades to come.

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ILLINOIS	TWOMEY COMPANY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	3,885	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Twomey Company is a grain farming operation located in Roseville, Ill. Project funds will be used for the purchase and installation of a 8kW solar array to help power his farm. This project will realize more than $1,500 per year in savings, and will replace 12,414 kilowatt hours per year, which is enough energy to power 1 home.
ILLINOIS	VAREL, GREGORY A	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	7,625	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Gregory Varel is a farmer located in Bartelso, Ill. Project funds will be used for the purchase and installation of an 11kW solar array to help power his farm. This project will realize more than $2,100 per year in savings, and will replace 16,653 kilowatt hours per year, which is enough energy to 1 power home.
ILLINOIS	W.M. AUTOMOTIVE, INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	19,875	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. WM Automotive Inc. is an automotive dealership located in Centralia, Ill. Project funds will be used for the purchase and installation of a 90kW solar array to help power the business. This project will realize more than $12,000 per year in savings, and will replace 132,640 kilowatt hours per year, which is enough energy to power 12 homes.
ILLINOIS	WANDS, GUY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/17/19	0	6,160	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Guys Auto Repair is an auto repair shop located in Mason City, Ill. Project funds will be used for the purchase and installation of a 10kW solar array to help power the business. This project will realize more than $1,700 per year in savings, and will replace 13,569 kilowatt hours per year, which is enough energy to power 1 home. The business will also be selling 1,116 kilowatt hours back to the electric grid.
ILLINOIS	WAYNE-WHITE COUNTIES ELECTRIC COOP, INC.	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	09/10/19	0	0	280,000	This Rural Development investment will be used to provide a loan to Wayne-White Electric Cooperative who will relend the funds to the Fairfield Rural Fire Protection District. Funds will be relent to the Fire Protection District at 0% to purchase a new pump truck. This vehicle and it's equipment is vital to the rural residents that live in the 300 square mile coverage area of the District. This project will also help save 1 job.
ILLINOIS	WENSTROM, PHILLIP	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	18,178	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Phillip Wenstrom is a lessor of real estate located in Oneida, Ill. Project funds will be used for the purchase and installation of a 37kW solar array to help power the farm he leases out. This project will realize more than $5,000 per year in savings, and will replace 52,031 kilowatt hours per year, which is enough energy to power 4 homes.
ILLINOIS	WERNSING, LARRY D	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Larry Wernsing is a swine farmed located in Raymond, Ill. Project funds will be used for the purchase and installation of a 46kW solar array to help power his hog facility. This project will realize more than $6,900 per year in savings, and will replace 65,937 kilowatt hours per year, which is enough energy to power 6 homes.
ILLINOIS	WESSELS, LINDEN J	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	17,500	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Lindell Wessels is a grain farmer located in Crescent City, Ill. Project funds will be used for the purchase and installation of a 13kW and 18kW solar array to help power the farm. This project will realize more than $5,500 per year in savings, and will replace 45,279 kilowatt hours per year, which is enough energy to power 4 homes.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
ILLINOIS	WESTERN ILLINOIS UNIV. FOUNDATION	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	50,000	0	This Rural Development investment will be used to assist Western Illinois University Foundation to provide technical assistance to at least 35 small and emerging rural businesses and entrepreneurs in Moultrie and Pike counties. The foundation has been awarded $50,000 in grant funds to provide the coordination of business retention and expansion projects, assistance with marketing and social media, assistance with the development of community websites that promote local businesses, coordination of trainings for local businesses and entrepreneurs on topics such as: business planning, customer relations, e-commerce, transition planning and other pertinent topics. The grantee will contribute $67,491 of their own funds to complete this project.
ILLINOIS	WESTERN ILLINOIS UNIV. BOARD OF TRUSTEES	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/04/19	0	200,000	0	This Rural Development investment will be used to help fund the operations of the Illinois Cooperative Development Center, which is housed within the Illinois Institute for Rural Affairs at Western Illinois University. While the ICDG will provide an array of technical assistance to rural cooperatives across IL (and possibly into other Midwestern states), their focus in this grant will be to 1) help develop cooperatively-owned grocery stores in small, rural communities that have to travel long distances for fresh, healthy food products due to the loss of their local grocery store, 2) help develop cooperatively-owned community solar projects in rural communities to allow rural residents to participate in clean energy projects that can lower their utility costs, and 3) help explore the possibility of developing cooperative housing projects to allow aging residents to stay within their community rather than move away to a larger community that offers elderly/assisted/supported housing options.
ILLINOIS	WILD ROSE FARM INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Wild Rose Farms is a grain farmer located in Gilson, Ill. Project funds will be used for the purchase and installation of a 36kW and 59kW solar array to help power the farm. This project will realize more than $9,800 per year in savings, and will replace 131,082 kilowatt hours per year, which is enough energy to power 12 homes.
ILLINOIS	WINDSOR CAR WASH, LLC	BI	GUARANTEED B&I 3% FEE LOAN	01/28/19	231,633	0	0	This Rural Development loan guarantee investment will be used to assist a small, family-owned car wash business in Shelby county, Illinois to allow them to restructure debt and make property improvements. The proposed improvements to the car wash and debt restructure will help to retain the business in the rural town of Windsor, Illinois. The nearest carwash to the town is over 11 miles away. The project will create 1 job, assist 1 small business and provide services to the town of 1,187 residents and the surrounding area. The owner purchased the closed business in May of 2018 and the use of the B&I loan guarantee will allow them to reopen it with much improved facilities.
INDIANA	ADAMS SWINE FARMS, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/14/19	0	15,318	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Adams Swine Farms, LLC, is a family owned farming corporation that raises swine at its facility in Berne, IN. This project will realize $5,132 per year in savings, and will replace 26,515 KWH (58%) per year, which is enough energy to power 2 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	AWS PROPERTIES, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/17/19	0	19,918	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. AWS Properties, LLC is a family owned rural small business specializing in commercial real estate in rural Bartholomew County. Project funds will be used for the purchase and installation of a 31.74 kW roof mounted solar array. This project will realize $4,566 per year in savings, and will replace 42,674 kWh (22.99%) per year.
INDIANA	BEER, DAN	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	43,350	0	This Rural Development investment will be used for the purchase and installation of a 90 kW solar array. Dan and Deb Beer have a family farm, the will realize $13,640 per year in savings, and will replace 111,950 kWh (100%) per year. This project will save enough electricity to power 25 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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INDIANA	BOWMAN & BOWMAN FARMS INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/12/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 37 kW solar array. Bowman & Bowman Farms, will realize $8,4735 per year in savings, and will replace 50,264 kWh (82%) per year. This project will save enough electricity to power 4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	C BAR C EXPO CENTER LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/24/19	0	100,000	0	This Rural Development investment will be for the purchase and installation of a 330kw solar array. C Bar C Expo Center in a small business located in Putnam County, IN, will realize $49,833 per year in savings, will replace 479,197 kwh (50.44%) per year. This project will save enough electricity to power 45 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	CHALFANT FARMS INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	10,500	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Chalfant Farms Inc. is a family owned farm located in rural Randolph County. Project funds will be used for the purchase and installation of a 18kW solar array. This project will realize $2,867 per year in savings, and will replace 25,688 kWh (98.95%) per year.
INDIANA	COVINGTON BOX & PACKAGING INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	230,970	0	This Rural Development investment will be used for the purchase and installation of a 405 kW solar array. Covington Box & Packaging is a Rural Small Business that will realize $81,863 per year in savings, and will replace 540,333 kWh (104%) per year. This project will save enough electricity to power 100 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	D&D MAINTENANCE DBA D&D ELECTRIC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/15/19	0	14,750	0	This Rural Development investment will be used for the purchase and installation of a 28 kW solar array. D&D Electric, a family owned business and will realize $4,282 per year in savings, and will replace 38,307 kWh (60%) per year. This project will save enough electricity to power 3 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	DOERNER, STEVEN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/14/19	0	8,082	0	This Rural Development investment will be used for the purchase and installation of a 18.2 Kwh solar array. Steve Doerner is a family owned farm, will realize $3,483 per year in savings, and will replace 25,243 Kwh (101%)per year. This project will save enough electricity to power over two homes per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	DUNLAP, GARY	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/31/19	0	49,950	0	This Rural Development funds investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Gary Dunlap owns a family grain farming operation in Valparaiso, IN. This project will realize $5,502 per year in savings, and will replace 203,233 kWh (52%) per year, which is enough electricity to power more than 18 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	DURKES, DALE ALLON	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/30/19	0	19,814	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Dale Allon Durkes is an Ag Producer. This project will realize $6,980 per year in savings, and will replace 89,358 kWh (56%) per year, which is enough energy to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
INDIANA	EAST-TERRA HARDWARE SUPPLY, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/26/19	0	13,429	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Established in 2016, East-Terra Hardware Supply LLC (dba East-Terra Plastics) recycles post-consumer and post-industrial plastics at their facility located in rural Fayette County, Indiana. Project funds will be used to replace mercury vapor lighting with high efficiency LEDs. This project will realize $10,832 per year in savings, and will save 109,411 kWh of electricity per year (76.61%) which enough electricity to power 10 homes.
INDIANA	ERB, DARREL G	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/01/19	0	12,441	0	This Rural Development loan guarantee investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Darrell Erb owns and operates a family farm that raises oilseed and grain in Francisville, Indiana. This project will realize $6,840 per year in savings, and will replace 142,159 kWh (54%) per year, which is enough energy to power 13 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	F & K CONSTRUCTION	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. F & K Construction is a rural small business in Flora, IN. Project funds will be used to purchase and install a 56 KW Solar Array. This project will realize $8,169 per year in energy savings, and will replace 77,893 kWh (43.58%) per year, generating enough electricity to power over 7 homes.
INDIANA	FORM-IT CORP.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/17/19	0	5,625	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase of a 9 kW solar array. Form-It Corp, a rural small business, will realize $1,902 per year in savings and will replace 13,002 kwh (97.74%) per year.
INDIANA	FURRER CROP FARMS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 37 kW solar array. Furrer Crop Farms, a family owned farm, will realize $7,611 per year in savings, and will replace 51,918 kWh(100%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	GREENCASTLE PUTNAM COUNTY DEV CENTER INC	RBEG	RBCS ENTERPRISE GRANTS	06/21/19	0	44,400	0	This Rural Development investment will be used a Revolving Loan Fund to assist small and emerging businesses in the town of Greencastle and Putnam County, IN.
INDIANA	HANCOCK RURAL TELEPHONE CORP	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (TELEPHONE)	05/24/19	0	300,000	0	This Rural Development investment will be used to provide access to capital to purchase equipment for a new rural urgent care and diagnostic center in partnership with the local regional hospital. Hancock Rural Telephone Corp (d/b/a NineStar Connect) is a cooperative utility providing both electric and telecommunications services to over 14,000 commercial and residential customer/members throughout Hancock County. Established in 1951, Hancock Regional Hospital (d/b/a Hancock Health) has grown into a full-service healthcare network of more than 20 facilities serving Hancock County and the surrounding areas. Project funds will be used to provide the hospital capital to purchase office and medical equipment for a newly constructed facility offering ambulatory, urgent care, and medical imaging services to rural patients. Agency investment will be leveraged with over $800,000 of funds contributed by Hancock Rural Telephone and Hancock Regional Hospital. Project is estimated to result in the creation of 27 new jobs with an average wage of more than $28 per hour.

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INDIANA	HANCOCK RURAL TELEPHONE CORP	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (TELEPHONE)	05/23/19	0	0	2,000,000	This Rural Development investment will be used to provide access to capital to purchase equipment for a new rural urgent care and diagnostic center in partnership with the local regional hospital. Hancock Rural Telephone Corp (d/b/a NineStar Connect) is a cooperative utility providing both electric and telecommunications services to over 14,000 commercial and residential customer/members throughout Hancock County. Established in 1951, Hancock Regional Hospital (d/b/a Hancock Health) has grown into a full-service healthcare network of more than 20 facilities serving Hancock County and the surrounding areas. Project funds will be used to provide the hospital capital to purchase office and medical equipment for a newly constructed facility offering ambulatory, urgent care, and medical imaging services to rural patients. Agency investment will be leveraged with over $800,000 of funds contributed by Hancock Rural Telephone and Hancock Regional Hospital. Project is estimated to result in the creation of 27 new jobs with an average wage of more than $28 per hour.
INDIANA	HIATT M & B FARMS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	10,481	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Hiatt M & B Farms LLC is a family owned farm located in rural Randolph County. Project funds will be used for the purchase and installation of a 33kWsolar array. This project will realize $3,773 per year in savings, and will replace 32,027 kWh (100%) per year.
INDIANA	HOME SWEET HOME PROPERTIES LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/01/19	0	14,109	0	This Rural Development investment will be used for the purchase and installation of a 22.44 kwh solar array. Home Sweet Home Properties, which is a small business, leases commercial buildings with leased office space to tenants for commercial uses, will realize $4,128 per year in savings, and will replace 34,400 kwh (80.36%) per year. This project will save enough electricity to power 3 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	HOME SWEET HOME PROPERTIES LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/01/19	0	1,669	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the building. Home Sweet Home Properties lease commercial buildings with leased office space to tenants for commercial uses. This project will realize $2,406 per year in savings, and will replace 18,508 kwh (16.53%) per year, which is enough electricity to power 2 homes per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	HOOSIER ENERGY RURAL ELECTRIC COOP.	REAR	REAP ENERGY AUDIT RECIPIENT	03/25/19	0	25,000	0	This Rural Development investment will be used throughout central and southern Indiana to conduct approximately 10 energy audits for rural small businesses and agricultural producers. These audits will provide analysis to make energy-efficiency improvements to these operations. Hoosier Energy Rural Electric Cooperative, Inc. is a generation and transmission cooperative serving 18 member electric cooperatives in central and southern Indiana and southeastern Illinois. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	HOWARD SWINE FARMS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/25/19	0	31,897	0	This Rural Development funds investment will be used for the purchase and installation of a 94 kW solar array. Howard Swine Farms LLC is a family owned farming operation in Cass County, Ind. This project will realize $14,112 per year in savings, and will replace 131,821 kWh (100%) per year, which is enough electricity to power over 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	HUNLEY FARMS, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/09/19	0	46,359	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Hunley Farms, LLC is a family owned farm located in rural Scott County. Project funds will be used for the purchase and installation of a high efficiency grain dryer. This project will realize $4,554 per year in savings, and will replace 64,790 kWh (59.09%) per year which is enough electricity to power 6 homes.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
INDIANA	HUNTINGTON PROPERTIES, LLC	BI	GUARANTEED B&I 3% FEE LOAN	06/18/19	560,000	0	0	The funds will be used for the acquisition of the strip mall property located at 1245 South Jefferson Street Huntington, Indiana.
INDIANA	ICDC INC.	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/30/19	0	200,000	0	Rural Development funds will be used to provide technical assistance and education to assist indiduals and entities in the startup, expansion, or operational improvement of rural businesses, especially cooperative or mutually owned businesses.
INDIANA	JOSH FIECHTER FARMS, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/30/19	0	40,911	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Josh Fiechter Farms, Inc., is a family owned farming corporation in Bluffton, IN. This project will realize $15,316 per year in savings, and will replace 1,070,009,496 BTU(52%) per year, which is enough energy to power 13 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	JS FARMS, INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/20/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. JS Farms is a family owned grain farming corporation in Delphi, Indiana, will use project funds to make energy efficiency improvements with the purchase and installation of a grain dryer. This project will realize $4,992.12 per year in savings, and will replace 221,009 kWh (33%) per year, which is enough energy to power 20 homes.
INDIANA	KOSCIUSKO DEVELOPMENT INC	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	20,000	0	This Rural Development investment will be used to create a Technical Assistance fund to assist small and emerging businesses, within Kosciusko County, that employ 50 or fewer employees and have less than $1million in projected gross revenues.
INDIANA	KOSCIUSKO DEVELOPMENT INC	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	40,000	0	This Rural Development investment will be used to create a RLF to assist small and emerging businesses, within Kosciusko County, that employ 50 or fewer employees and have less than $1million in projected gross revenues.
INDIANA	LAKELAND ANIMAL CLINIC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/17/19	0	24,864	0	This Rural Development investment will be used for the purchase and installation of a 33.6 kW solar array. Lakeland Animal Clinic, a rural small business, that will realize $3,608 per year in savings, and will replace 44,359 kWh (159%) per year. This project will save enough electricity to power 10 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	LAMEY, DANIEL K	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	3,024	0	This Rural Development investment will be used for the purchase and installation of an 8k solar array. Daniel K. Lamey is an agricultural producer in Gibson County, IN, will realize $1,315 per year in savings, and will generate 11,492 kwh (175%) per year. This project will save enough electricity to power one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	LITTLE CLAY HILL FARMS, INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	46,219	0	This Rural Development investment will be used for the purchase and installation of a 71.4 kwh solar array. Little Clay Hill Farms, Inc., a family owned farm, will realize $11,456 per year in savings, and will replace 104,244 kwh (94.37%) per year. This project will save enough electricity to power 10 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	MAPLE FARMS GP	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/25/19	0	55,000	0	This Rural Development investment will be used for the purchase and installation of three solar arrays, one 56kW, one 42kW and one 23kW. Maple Farms GP, an Ag Producer, will realize $16,055 per year in savings, and will replace 168,469 kWh (108%) per year. This project will save enough electricity to power 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
INDIANA	MARSHALL COUNTY EDC	RBEG	RBCS ENTERPRISE GRANTS	07/09/19	0	90,000	0	This Rural Development investment will be used to assist small and emerging businesses. This project will assist in establishing a Revolving Loan Fund in Marshall County, Indiana, which will provide access to capital that will facilitate growth and stability for small rural businesses. This project is expected to create or save up to 23 jobs in and around the service area.
INDIANA	MCGILL, DOUGLAS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/31/19	0	19,805	0	This Rural Development investment will be used for the purchase and installation of a 35 kW solar array on the family farm of Doulas and Felicelia McGill. This project will save 50,731 kwh (58%) per year and realize $4,035.64 per year in savings. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	MIDWEST POULTRY SERVICES, LP	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	155,304	0	This Rural Development investment will be used for the purchase and installation of a 1.11 MW solar array. Midwest Poultry Services, LP, is an Ag Producer who's primary function is egg laying. They will realize $127,093 per year in savings, and will replace 1,460,843 kWh (17%) per year. This project will save enough electricity to power 100 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	MILHOLLIN, PAMELA	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	7,306	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Pamela Milhollin is an agricultural producer who operates a family owned farm located in rural Randolph County. Project funds will be used for the purchase and installation of a 18 kW solar array. This project will realize $2,054 per year in savings, and will replace 24,389 kWh (100%) per year.
INDIANA	N & L PORK, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/04/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 111 kW solar array. N & L Pork, a woman owned business, will realize $15,017 per year in savings, and will replace 154,565 kWh (61%) per year. This project will save enough electricity to power over 14 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	PAHS ROAD VENTURE, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/26/19	0	97,500	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Pahs Road Ventures, LLC is a newly created entity for the purposes of generating electricity. The funds will be used for the purchase and installation of a 226.8 kW solar system to be located in Michigan City, IN. The system is estimated to produce 296,881 kWh per year, which is enough electricity to power 27 homes.
INDIANA	PETERS FARMS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	49,730	0	This Rural Development investment will be used for the purchase and installation of a 76.5 kilowatts solar array. Peters Farm, LLC, a family owned farm, will realize $11,311 per year in savings, and will replace 111,690 kwh (108.61%) per year. This project will save enough electricity to power 10 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	PREMIER ROOFING & CONSTRUCTION, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/03/19	0	14,476	0	This Rural Development investment will be used for the purchase and installation of a 12.6 kW solar array. Premier Roofing and Construction, will realize $8,175 per year in savings, and will replace 18,245 kWh (92%) per year. This project will save enough electricity to power 2 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	PURDUE UNIVERSITY	RBOG	RBCS DEVELOPMENT GRANT	07/17/19	0	69,000	0	This Rural Development investment will be used to spur development of small and emerging businesses in rural Indiana. This project will assist and educate leaders of rural Indiana communities about the key elements of the Opportunity Zone legislation so that they may attract private, public, and philanthropic sector resources to further economic development and revitalization in the distressed Opportunity Zone sites around the state.

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INDIANA	RUSH COUNTY ECDC	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	75,000	0	This Rural Development investment will be used to provide access to capital to small and emerging businesses in rural Rush County, Indiana. Loans will be made available through an established revolving loan fund. Rush County Economic and Community Development Corporation has partnered with the Agency since 2001. Project will create or support five jobs.
INDIANA	SHREYAN HOTELS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/19/19	3,500,000	0	0	This Rural Development loan guarantee investment will be used to refinance an existing loan for a Fairfield Inn hotel located in Princeton, IN. The refinance request is in the amount of $3.5 million consisting of debt refinance ($3.18 M), working capital ($210K), USDA Guarantee fee ($84K), and closing cost ($26K). Benefits to the borrower are reduced monthly payment and access to working capital. Benefits to the community are retention of the local business and maintaining 22 local jobs, which is a huge economic impact for this rural community.
INDIANA	SICKAFOOSE, CORY E.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	34,000	0	This Rural Development investment will be used for the purchase and installation of a 56 kW solar array on the family farm of Cory Sickafoose. This project will replace 76,352 kWh (95%) per year and realize $9,133 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	SOUTHEASTERN INDIANA RPC	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	180,700	0	This Rural Development investment will be used to extend high-speed fiber optic infrastructure to small, emerging and underserved businesses along a three-mile commercial corridor in Madison, Indiana. Madison is a small rural city with a population of 11,967 located in Jefferson County Indiana. Project will increase e-Connectivity to 7 small and emerging businesses and support over 60 jobs.
INDIANA	STAUNTON SOLAR LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/01/18	3,900,000	0	0	This Rural Development loan guarantee investment will be used to provide permanent long-term financing for a new 6.12MW(dc) 55-acre utility-scale solar farm located in Posey Township, Clay County, Indiana. The project will sell clean renewable energy to the electric grid through a Power Purchase Agreement (PPA) with Duke Energy Indiana, LLC. Year-1 solar electric energy production is forecasted to be 9,482,119 kwh which is enough energy to power 874 homes. The purpose of this funding program is to bolster the availability of private credit and provide financial backing for rural businesses by guaranteeing loans for rural businesses.
INDIANA	STEINER, ALEXANDER L	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	19,978	0	This Rural Development investment will be used for the purchase and installation of a 23.1 kW solar system. Alexander Steiner is a RSB that has a calf feeding operation. The system is estimated to produce 32,328 kWh per year, which is enough electricity to power 3 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	STEPHAN, CHRIS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	14,368	0	This Rural Development investment will be used for the purchase and installation of a 25 kW solar array on the family farm of Chris Stephan. This project will replace 34,919 kWh (67%) per year and realize $3,941 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	TOTAL SEED PRODUCTION INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/25/19	0	83,332	0	This Rural Development investment will be used for the purchase and installation of a 239 kW, 1,112 kW and 208 kW solar arrays. Total Seed Production, an Ag Producer, will realize $260,503 per year in savings, and will replace 2,143,343 kWh (87%) per year. This project will save enough electricity to power 680 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	TOWN OF FILLMORE	RBEG	RBCS ENTERPRISE GRANTS	06/21/19	0	92,360	0	This Rural Development, Rural Business Development Grant (RBDG) investment will be used to up-grade the downtown area of The Town of Fillmore, IN, a small rural community with improvements to the sidewalks, lighting, striping of crosswalks and parking to assist in developing the business section of town.

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INDIANA	TREAT'S SQUIRE SHOP	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/01/19	0	1,500	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the buildings. Treat's Squire Shop is an existing business that sells men's clothing as well as bridal attire to the local area. This project will realize $4,081 per year in savings, and will replace 54,911kWh (76%) per year, which is enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
INDIANA	VERMILLION COUNTY EDC.	RBEG	RBCS ENTERPRISE GRANTS	06/21/19	0	99,000	0	This Rural Development investment will be used to assist small and emerging businesses with a revolving loan fund to serve the Town of Clinton and Vermillion County, IN.
INDIANA	WEHMEIER FARMS, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/09/19	0	24,842	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Wehmeier Farms Inc is a family owned farm located in rural Bartholomew County. Project funds will be used for the purchase and installation of a high efficiency grain dryer. This project will realize $5,432 per year in savings, and will replace 74,573 kWh (39.38%) per year which is enough electricity to power 7 homes.
INDIANA	WHITLEY COUNTY ECONOMIC DEVELOPMENT CORP	RBEG	RBCS ENTERPRISE GRANTS	06/07/19	0	18,540	0	This Rural Development investment will be used to expand and continue technical assistance programs to small and emerging businesses in Whitley County through the Small Business Entrepreneurship Initiative.
INDIANA	ZILIAK ENTERPRISES	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/12/19	0	32,692	0	This Rural Development investment will be used for the purchase and installation of a 58.93 kW solar array. Ziliak Enterprises is an agricultural producer in Gibson County, IN, will realize $9,033 per year in savings, and will replace 90,339 kWh (110%)per year. This project will save enough electricity to power 8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	ACCESS ENERGY COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	12/20/18	0	300,000	0	This Rural Development investment will be used to replenish an existing revolving loan fund that is administered by Access Energy Cooperative in Mt. Pleasant, IA. The initial loan will assist the Henry County Health Center purchase new equipment, ambulance, and make technology upgrades, creating 2 jobs. Repayment of this loan will be used for future business and community development loans.
IOWA	ADAMS COUNTY, IOWA	RBEG	RBCS ENTERPRISE GRANTS	07/11/19	0	84,000	0	This Rural Development investment will be used to assist in hard surfacing a road to a hotel locating in Adams County, Iowa. Adams County. Adams County is providing in the road to bring a small business and 6 jobs to the rural community. This purpose of this project is to assist in developing small and emerging businesses increasing sustainability, income and creating jobs.
IOWA	ALGONA MARINE & SPORT INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/24/19	0	8,605	0	This Rural Development investment will be used for the purchase and installation of a 15 kW Solar array. Algona Marine & Sport Inc., a commercial business that sells boats, will realize $3,516 per year in savings, and will replace 20,898 kWh (72.75%) per year. This project will save enough electricity to power 2 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and making energy-efficiency improvements to their operations.
IOWA	ALLAMAKEE-CLAYTON ELECTRIC COOPERATIVE	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/19/19	0	19,978	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting on Allamakee-Clayton Electric Cooperative service lines. Allamakee Clayton Electric Cooperative is an existing rural electric cooperative that distributes electric power to its coop members in Northeast Iowa. This project will realize $5,593 per year in savings and will reduce electricity consumption by 142,824 kWh (66%) per year, which is enough electricity to power 13 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	ANGSTROM PRECISION MOLDING, L.L.C.	BI	GUARANTEED B&I 3% FEE LOAN	08/28/19	264,300	0	0	This rural development guaranteed loan investment will be used to purchase machinery and equipment for Angstrom Precision Molding, L.L.C. in Ottumwa, Iowa. Angstrom is a rural manufacturing company that makes urethane molded parts for the healthcare industry. The Business and Industry Guaranteed Loan Program bolsters the availability of private credit by guaranteeing loans for rural businesses.

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IOWA	BADER, LEE	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	19,769	0	This Rural Development investment will be used for the purchase and installation of a 95.2 kW solar array. Lee Bader is a family farm operation that will realize $8,734 per year in savings and will replace 118,477 kWh (100%)per year. The project will save enough electricity to power 10 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	BENSON, MICHAEL E	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	6,815	0	This Rural Development investment will be used for the purchase and installation of a 17.8 kW solar array on the family farm of Michael Benson. This project will replace 22,873 kWh (100%) per year and realize $3,325 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	BENTON GRAIN COMPANY LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/24/19	0	19,671	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Benton County Grain LLC runs a grain elevator in Van Horne, IA. This Project will realize $21546 per year in savings, and will replace 770,842 kWh (51.23%) per year, which is enough energy to power 71 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and, and in making energy-efficiency improvements to their operations.
IOWA	BIG OX ENERGY-RICEVILLE, LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/30/18	4,018,000	0	0	This rural development guaranteed loan investment will be used to refinance existing debt, construct a new scale house, improve the existing storage lagoon and pay loan fees associated with this request located near Riceville, Iowa. The borrower, Big Ox Energy-Riceville LLC is an existing business established in February 2015 for the purpose of serving the growing demand for organic waste recycling and renewable energy development. Funds will be leveraged with an additional $30,000 from borrower contribution.
IOWA	BOOTHEEL PORK, LLC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/25/19	0	11,250	0	This Rural Development investment will be used for the purchase and installation of a 30.66 kW solar system. Bootheel Pork, LLC is family farm operation near Nichols, IA. The system is estimated to produce 42,180 kWh per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and making energy-efficiency improvements to their operations.
IOWA	BORMANN, WILLIAM N	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	15,250	0	This Rural Development investment will be used for the purchase and installation of a 43.2 kW Solar array. William Bormann who has produced feed for over 11,000 head of hogs annually, will realize $6,157 per year in savings, and will replace 63,148 kWh (110%) per year. This project will save enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and making energy-efficiency improvements to their operations.
IOWA	BOULDERS INN MANCHESTER, LLC	BI	GUARANTEED B&I 3% FEE LOAN	12/03/18	2,044,373	0	0	This guaranteed loan investment will be used to provide long-term financing for construction of a 32-room hotel in Manchester, Iowa. The hotel will operate under the Boulder's name and is expected to create 9 jobs in the rural community. Supplemental funds for the project are coming from Borrower Contributions($400,000) and the City of Manchester ($150,000).
IOWA	BROAD STREET DIESEL & PERFORMANCE, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	12,000	0	This Rural Development investment will be used for the purchase and installation of a 23.4 kW solar array by Broad Street Diesel and Performance. This project will replace 32,629 kWh (100%) per year and realize $5,282 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	BUTLER COUNTY RURAL	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	06/06/19	0	258,333	0	This Rural Development investment will be used by Butler County REC to provide a pass-through loan to assist in the acquisition of an existing dental clinic in Charles City, Iowa, as well as the purchase of technology and working capital. This project includes expanding the existing office capacity, incorporating new technology and connectivity, creating new jobs, and increasing access to dental healthcare for rural residents in the region.

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IOWA	BUTLER COUNTY RURAL	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	05/23/19	0	0	2,000,000	This Rural Development loan investment will be a $2,000,000 pass-through loan from Butler County Rural Electric Cooperative to Iowa Northern Railway Company. Iowa Northern Railway Company is a short-line railroad providing common carrier freight rail transportation services to Northeast Iowa. This loan will assist with the expansion of a rail yard by adding two additional rail spurs totaling approximately 7,800 feet of track in the Butler Logistics Park located near Shell Rock, Butler County, Iowa. This expansion of its current Butler Yard (a rail yard) capacity in Butler County to allow for increased car classification, staging of unit trains, customer storage, and customer support functions. Additional funding of $548,756 to complete the project will come from Iowa Northern Rail Company. The purpose of this funding program is to provide loans to rural utilities program borrowers to promote economic development.
IOWA	BUTLER COUNTY RURAL	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/12/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 222 kW solar array. Butler County Rural Electric Cooperative, will realize $30,620 per year in savings, and will replace 299,158 kWh per year. This project will save enough electricity to power 27 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	CAH LIVESTOCK LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/27/19	0	11,685	0	This Rural Development investment will be used for the purchase and installation of a 33 kW solar array. CAH Livestock LLC, owner of a swine finishing site, will realize $5,059.01 per year in savings, and will replace 47,342 kWh (107%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	CENTRAL IOWA POWER COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	05/22/19	0	0	1,452,000	This Rural Development loan investment will be used to provide economic development. Central Iowa Power Cooperative will provide a pass-through loan to J.J. Nichting Company, Inc. in Sigourney, Iowa. This investment will enable the business expansion of the local farm implement dealership and create 12 jobs and retain 14 jobs.
IOWA	CITY OF ORANGE CITY	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	06/04/19	0	236,103	0	This Rural Development investment will be used to replenish an existing revolving loan fund that is administered by the City of Orange City. The initial loan will assist Orange City Development Corporation construct a 25,000 sq. ft. spec building in Orange City. Through the Rural Economic Development Loan and Grant (REDLG) program, funds are used to provide loans and grants to promote economic development.
IOWA	CML TELEPHONE COOPERATIVE ASSOCIATION	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (TELEPHONE)	05/30/19	0	300,000	0	This Rural Development investment will be used to replenish an existing revolving loan fund that is administered by CML Telephone Cooperative Association in Meredin, IA. The initial loan will assist Cherokee Regional Medical Center in purchasing new equipment. Through the Rural Economic Development Loan and Grant (REDLG) program, funds are used to provide loans and grants to promote economic development.
IOWA	CORN BELT POWER COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	05/01/19	0	300,000	0	This Rural Development investment will used to increase an existing revolving loan fund that is administered by Corn Belt Power Cooperative in Humboldt, IA. The initial loan will assist with an expansion and renovation of the existing educational facility. To complete the project, grant funds will be matched with an additional $60,000 from Corn Belt Power Cooperative, a $1,000,000 loan from Midland Power Cooperative, $2,445,000 from Capital Campaign donations, $243,000 from the Diocese of Sioux City and $812,000 from Saint Mary's equity fund. Through the Rural Economic Development Loan and Grant (REDLG) program, funds are used to provide grants to rural utilities program borrowers to create revolving loan funds that promote economic development.
IOWA	CORN BELT POWER COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	09/13/19	0	0	640,000	This Rural Development investment will be a $640,000 pass-through loan to Corn Belt Power Cooperative who will relent the dollars to Hancock County Health System, a county owned critical access hospital in Britt, Iowa. Loan funds will be used to assist with renovations to modernist the hospital. Additonal funding of $7.0 million to complete the project will come from hospital equity, other Rural Electric Cooperative funding and USDA-Rural Development Community Facilities Program loan funding. The purpose of this funding program is to provide loans to rural utilities program borrowers to promote economic development.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
IOWA	COX-SMITH FUNERAL AND CREMATION SERVICE	BI	GUARANTEED B&I 3% FEE LOAN	07/18/19	413,000	0	0	This rural development guaranteed loan investment will allow a new funeral home to be established in Grinnell, Iowa creating 2 full time jobs. The borrower, Cox-Smith Funeral and Cremation Service, Inc., is a female-owned business established in 2018. Funds will be leveraged with an additional $103,346 borrower equity into the project. This program bolsters the availability of private credit by guaranteeing loans for rural businesses.
IOWA	COX-SMITH FUNERAL AND CREMATION SERVICE	BI	GUARANTEED B&I 3% FEE LOAN	07/18/19	36,200	0	0	This rural development guaranteed loan investment will allow a new funeral home to be established in Grinnell, Iowa creating 2 full time jobs. The borrower, Cox-Smith Funeral and Cremation Service, Inc., is a female-owned business established in 2018. Funds will be leveraged with an additional $103,346 borrower equity into the project. This program bolsters the availability of private credit by guaranteeing loans for rural businesses.
IOWA	DIMMITT, WENDELL R.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/12/19	0	3,000	0	This Rural Development investment will be used for the purchase and installation of 5 kW solar array on the family farm of Wendell Dimmitt. This project will replace 7,628 kWh (92.27%) per year and realize $1,261 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	EAST-CENTRAL IOWA RURAL ELECTRIC COOP	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	07/11/19	0	0	480,000	This Rural Development investment will be used by East-Central Iowa Rural Electric Cooperative to provide a pass-through loan to assist Pipho & Gingrich Family Dentistry with the construction of a new dental clinic and purchase of equipment in Dysart, Iowa. The project will create 4 new jobs.
IOWA	F & B COMMUNICATIONS INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	19,937	0	This Rural Development investment will be used for the purchase and installation of a 55 kW solar array. F & B Communications, Inc., an internet and telephone provider, will realize $9,742 per year in savings, and will replace 69,162 kWh (55%) per year. This project will save enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	FAMILY TRADITIONS MEAT COMPANY	BI	GUARANTEED B&I 3% FEE LOAN	11/13/18	1,146,880	0	0	This guaranteed loan investment will be used to transfer ownership of an existing meat processing facility in Ackley, Iowa. Loan funds will be used to acquire all business assets allowing the facility to remain operational and retain 12 employees under the Family Traditions Meat Company operation. In addition to the 12 employees saved, the proposed project will create 3 jobs in the rural community.
IOWA	FAWCETT FARMS INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	13,520	0	This Rural Development investment will be used for the purchase and installation of a 29 kW Solar array. Fawcett Farms, Inc., will realize $5,557.55 per year in savings, and will replace 40,767 kWh (87%) per year. This project will save enough electricity to power 3 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and making energy-efficiency improvements to their operations.
IOWA	FIZZIX, L.L.C.	BI	GUARANTEED B&I 3% FEE LOAN	08/28/19	637,850	0	0	This rural development guaranteed loan investment will be used to purchase machinery and Fizzix, L.L.C. in Ottumwa, Iowa. Fizzix is a rural manufacturing company that makes metallic parts for the healthcare industry. The Business and Industry Guaranteed Loan Program bolsters the availability of private credit by guaranteeing loans for rural businesses.
IOWA	FOLKMANN FARMS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	17,339	0	This Rural Development investment will be used for the purchase and installation of a 35 kW solar array. Folkmann Farms LLC, a family owned farm, will realize $8,490 per year in savings, and will replace 71,642 kWh (100%) per year. This project will save enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	FOSS FARM CORPORATION	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/04/19	0	11,000	0	This Rural Development investment will be used for the purchase and installation of a 38.76 kW solar array. Foss Farm Corporation is a family farm operation that will realize $4,049 per year in savings and will replace 53,945kWh's (98%) per year. The project will save enough electricity to power 4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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IOWA	FRANKLIN RURAL ELECTRIC COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	05/23/19	0	0	2,000,000	This Rural Development loan investment will be used to assist Global Fabrication Inc. to purchase and make improvements to a 30,000 square foot building for business expansion. Global Fabrication is a full-service fabrication shop in Hampton, IA which specializes in commercial agricultural products. The project will result in the creation of 16 new jobs. Through the Rural Economic Development Loan and Grant (REDLG) program, funds are used to provide loans to rural utilities program borrowers to promote economic development.
IOWA	FROG LEGS, INC.	BI	GUARANTEED B&I 3% FEE LOAN	08/28/19	462,211	0	0	This rural development guaranteed loan investment will be used to purchase machinery and equipment for Frog Leg's Inc. in Ottumwa, Iowa. Frog Legs is a rural manufacturing company that makes wheelchair components for the healthcare industry. The Business and Industry Guaranteed Loan Program bolsters the availability of private credit by guaranteeing loans for rural businesses.
IOWA	GENERAL SWINE PROPERTIES, L.L.C.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/22/19	0	47,000	0	This Rural Development investment will be used for the purchase and installation of 13 solar arrays totaling a 493 kW. General Swine Properties, L.L.C., a family-owned hog finishing operation, will realize $68,185 per year in savings, and will generate 689,920 kWh per year. This project will save enough electricity to power 63 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	GRAENING-KNIGHT II, LLC	BI	GUARANTEED B&I 3% FEE LOAN	06/29/19	1,700,000	0	0	This rural development guaranteed loan investment will assist with the refinancing of debt for Graening-Knight II, LLC of Waverly, Iowa. The borrower, Graening-Knight, LLC, was established in 2011 and with this proposed loan, 245 jobs will be saved.
IOWA	GRAETTINGER MUNICIPAL LIGHT PLANT	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	05/30/19	0	300,000	0	This Rural Development investment will be used to establish a revolving loan fund administered by Graettinger Municipal Utilities in Graettinger, IA. The initial loan will assist Graettinger - Terrill Community School District remodel and equip the existing middle and high school buildings. Repayment of this loan will be used for future business and community development loans. Through the Rural Economic Development Loan and Grant (REDLG) program, funds are used to provide loans and grants to promote economic development.
IOWA	GREEN BRANCH FARMS, LTD	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/15/19	0	42,067	0	This Rural Development investment will be used for the purchase and installation of a 95.2 kW solar array. Green Branch Farms Ltd, a family-owned corporation, will realize $17,036 per year in savings, and will replace 128,509 kWh (100%) per year. This project will save enough electricity for 11 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	GREINER, TERRY	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/18/19	0	12,764	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Terry Greiner is sole proprietor of a grain and livestock farm near Keota, IA. This project will realize $6,509.05 per year in savings, and will save 138,213 kWh (68%) per year, which is enough energy to power 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	HEMESATH FARMS INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/20/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Hemesath Farms Inc. is a family owned farming corporation that raises corn and soybeans near Decorah, IA. This project will realize $22,100 per year in saving and will reduce energy consumption by 487,170 kWh per year, which is enough energy to power 45 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy efficiency improvements to their operations.
IOWA	HOUSER, HUBERT	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/24/19	0	17,000	0	This Rural Development investment will be used for the purchase and installation of a 60kW solar system. Hubert Houser, owner of a local chicken operation, will be generating electricity in rural Carson, IA. The system is estimated to produce 88,227 kWh per year, which is enough electricity to power 8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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IOWA	HUNSTAD, GIL	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/17/19	0	50,000	0	This Rural Development investment will be used for the purchase and installation of a 204kW solar array. Gil Hunstad, dba G&S Machine will realize $30,865 per year in savings and will replace 232,158 kWh (77%) per year. This project will save enough electricity to power 21 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficient improvements to their operations.
IOWA	HUXLEY COMMUNICATIONS COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (TELEPHONE)	06/03/19	0	236,102	0	This Rural Development investment will used to establish a revolving loan fund that is administered by Huxley Communications Cooperative in Huxley, IA. The initial loan will assist with the rehabilitation of the Opera House building. To complete the project, grant funds will be matched with an additional $60,000 from Huxley Communications Cooperative, $195,000 from The City of Cambridge, $160,000 from The State of Iowa, $10,000 from Story County and $25,000 from Story County Community Foundation. Through the Rural Economic Development Loan and Grant (REDLG) program, funds are used to provide grants to rural utilities program borrowers to create revolving loan funds that promote economic development.
IOWA	INDEPENDENCE TELECOMMUNICATIONS UTILITY	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (TELEPHONE)	05/21/19	0	0	2,000,000	This Rural Development loan investment will be a $2,000,000 pass-through loan from Independence Telecommunications Utility to assist Wapsie Valley Creamery, Inc. purchase and install a new cheese packaging line at its processing facility located in Independence, Buchanan County, Iowa. Wapsie Valley Creamery, Inc. produces eight different cheeses with milk purchased from approximately 225 dairy producers in NE Iowa, SE Minnesota, SW Wisconsin and NW Illinois. This project will allow Wapsie Valley Creamery, Inc. to increase its packaging capacity and improve the quality of its product. This project, and the efficiencies it provides, will help retain the company's 84 employees. Additional funding of $4,500,000 to complete the project will come from Wapsie Valley Creamery, Inc. The purpose of this funding program is to provide loans to rural utilities program borrowers to promote economic development.
IOWA	IOWA LAKES ELECTRIC COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	05/30/19	0	0	2,000,000	This Rural Development loan investment will be used to provide a pass-through loan to Iowa Lakes Electric Cooperative. Iowa Lakes Electric Cooperative will make a pass-through loan to assist Land Mark Products purchase equipment to expand their business. The Rural Economic Development Loan and Grant Program provides loans and grants to rural utilities for economic development.
IOWA	J & T LOGISTICS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/22/19	0	30,015	0	This Rural Development investment will be used for the purchase and installation of a 78.54 kW Solar array. J & T Logistics, Inc., a professional brokerage company specializing in temperature-controlled freight, will realize $14,243 per year in savings, and will replace 100,404 kWh (78%) per year. This project will save enough electricity to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and making energy-efficiency improvements to their operations.
IOWA	JDV, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	15,149	0	This Rural Development investment will be used for the purchase and installation of 44 kW solar array. JDV, Inc. is a family farm operation. This project will replace 54,919 kWh (100%) per year and realize $7,503 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	JJ CATERING, L.L.C.	BI	GUARANTEED B&I 3% FEE LOAN	12/11/18	425,000	0	0	This guaranteed loan investment will be used to purchase real estate and make building improvements for an existing catering business in Carroll, Iowa. JJ Catering has been in business since 2014 specializing in event center rentals and catering in the rural area. Guaranteed loan funds will reduce the borrower's annual debt service and save 2 full-time positions.
IOWA	KINTZLE, JAMES	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/15/19	0	40,000	0	This Rural Development investment will be used for the purchase and installation of a 102kW solar array. James Kintzle, in his dairy operation, will realize $19,900 per year in savings, and will replace 140,654 kWh (88%) per year. This project will save enough electricity to power 13 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficient improvements to their operations.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
IOWA	KIRKPATRICK, ERIC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/18/19	0	5,934	0	This Rural Development investment will be used for the purchase and installation of a 14.96kW solar array. Eric Kirkpatrick, a family hog confinement business, which will realize $2,501 per year in savings, and will replace 21,486 kWh (61%) per year. This project will save enough electricity to power 2 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	KLINGER CATTLE LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/19/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 49 kW solar array. Klinger Cattle LLC, a family owned cattle feedlot farming operation, will realize $9,522 per year in savings, and will replace 75,293 kWh (85%) per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	LAUTERBACH BUICK-GMC INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	32,997	0	This Rural Development investment will be used for the purchase and installation of a 77 kW solar array. Lauterbach Buick-GMC Inc. a family owned car dealership will realize $13,937 per year in savings, and will replace 98080 kWh (66.7 %) per year. This project will save enough electricity to power 9.1 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	LIMESTONE BLUFFS RC&D AREA, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/15/19	0	33,000	0	This Rural Development investment will be used to provide Technical Assistance for the sustainable development of new and existing rural businesses in eastern Iowa. Limestone Bluffs Resource Conservation and Development assists in developing, organizing, and cooperative marketing of resources in the region. This project goal is to develop and market rural businesses in the five-county area while creating jobs. The purpose of this funding program is to provide grants to promote economic development of rural areas.
IOWA	LINCOLNWAY ENERGY LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/16/19	0	250,000	0	This Rural Development investment will be used for the purchase and installation of a Regenerative Thermal Oxidizer. Lincolnway Energy LLC, specializing in ethanol production, will gain the ability to increase production by 500,000 gallons per year with this renewable energy system. This project will save enough electricity to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and making energy-efficiency improvements to their operations.
IOWA	LIZARD CREEK RANCH LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/15/19	0	31,801	0	This Rural Development investment will be used for the purchase and installation of a combined 171 kW solar system. Lizard Creek Ranch, LLC will be generating electricity in rural Fort Dodge, IA. The system is estimated to produce 244,349 kWh per year, which is enough electricity to power 22 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	MASON, CATHLEEN M	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/21/19	0	5,984	0	This Rural Development investment will be used for the purchase and installation of a 19kW solar array on the family farm of Cathleen Manson. this project will preplace 17,526 kWh (100%) of farm use electricity per year and realize $3,373 of saving per year. The purpose of this funding program is to assist farmer, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficient improvements to their operations.
IOWA	MCCLELLAN LEGACY FARMS, L.L.C.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/27/19	0	16,574	0	This Rural Development investment will be used for the purchase and installation of a 49 kW solar array. McClellan Legacy Farms, L.L.C., a family owned farming operation, will realize $7,774 per year in savings, and will replace 57,384 kWh (100% ag usage) per year. This project will save enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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IOWA	MCCOY HARDWARE INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/27/19	0	5,332	0	This Rural Development investment will be used for the purchase and installation of LED Lighting. McCoy Hardware Incorporated, owner of a True Value Hardware Store in Indianola, Iowa will realize $5,059.01 per year in savings, and will replace 48,871 kWh (107%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy- efficiency improvements to their operations.
IOWA	MEYER, JAMES	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	8,625	0	This Rural Development investment will be used for the purchase and installation of a 19 kW solar system. James Meyer, a local farm operator, will realize $3,707 per year in savings, and will replace 28,347 kWh (50%) per year. This project will save enough electricity to power 2 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	MEYER, JENNIFER	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	10,000	0	This Rural Development investment will be used for the purchase and installation of a 49kW solar system. Jennifer Meyer, a local farm operator, will be generating electricity in rural Glidden, IA. The system is estimated to produce 69,993 kWh per year, which is enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	MIDLAND POWER COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	12/21/18	0	0	1,000,000	This Rural Development loan investment will be a pass through loan from Midland Power Cooperative to Saint Marĺs Catholic Parish and School in Humboldt, IA. The loan will assist with an expansion and renovation of their existing facility. The project entails an expansion will be for a 9,160 sq. ft Parish Center, 2,146 sq ft. school expansion for a STEM lab, library and resource lab along with renovations in the existing school. The $1,000,000 loan from Midland Power Cooperative will be combined with a $360,000 loan from Corn Belt Power Cooperatives Revolving Loan Fund, $2,445,000 from Capital Campaign donations, $243,000 from the Diocese of Sioux City and $812,000 from Saint Marĺs Equity fund. Through the Rural Economic Development Loan and Grant (REDLG) program, funds are used to provide loans to rural utilities program borrowers to promote economic development.
IOWA	NEUBAUER, SCOTT MICHAEL	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/22/19	0	14,106	0	This Rural Development investment will be used for the purchase and installation of 24.48 ground mounted solar array. Scott Neubauer is the owner/sole proprietor of the 180 acre land he farms. He also assists with the family farm and raises 2400 hogs. The estimated production as calculated is 34,070 kWh's of electricity per year, or enough electricity to power 3 homes. This will replace 69.2% of the current usage. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	NORTH WEST REC	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	06/03/19	0	300,000	0	This Rural Development investment will be used to replenish an existing revolving loan fund that is administered by North West REC in Orange City, IA. The initial loan will assist the Sioux County Conservation Foundation in constructing a 12,000 sq. ft. Nature Center in Sioux County. Repayment of this loan will be used for future business and community development loans. The Rural Economic Development Loan and Grant Program provides loans and grants to rural utilities for economic development.
IOWA	NORTHERN IOWA DIE CASTING, INC.	BI	GUARANTEED B&I 3% FEE LOAN	12/19/18	2,450,000	0	0	This rural development guaranteed loan investment will assist with refinancing existing real estate debt for a manufacturing facility in Lake Park, Iowa. The borrower, Northern Iowa Die Casting, Inc., was established in 1938 and will be able to retain approximately 90 employees as a result of this project.
IOWA	NOTRE DAME NIKE POWER, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/18/19	0	22,325	0	This Rural Development investment will be used for the purchase and installation of 276kW solar array. Notre Dame Nike Power, LLC is a newly created entity for the purpose of generating electricity in Burlington, Iowa. The system is estimated to produce 362,499 kWh per year, which is enough electricity to power 33 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
IOWA	O'TOOLE, MICHAEL J	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/08/19	0	7,854	0	This Rural Development investment will be used for the purchase and installation of a 44 kW solar array on the family farm of Michael O'Toole. This project will replace 46,279 kWh (100%) per year and realize $5,310 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations.
IOWA	OELWEIN CITY OF	IRP	INTERMEDIARY RELENDING PROGRAM	09/06/19	0	0	500,000	This Rural Development investment will be used to supplement the City of Oelwein's existing revolving loan fund. The City of Oelwein will also contribute $125,000 matching funds increasing the revolving loan fund by a total of $625,000. The City of Oelwein will re-loan these funds to for-profit and non-profit businesses located in Oelwein to promote business start-up or expansion and economic development. The purpose of this funding program is to improve economic conditions and provide jobs in rural communities. The initial loans from this project are anticipated to create 5 jobs.
IOWA	OTIS FINISHER FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/25/19	0	11,950	0	This Rural Development investment will be used for the purchase and installation of a 29kW ground mounted solar array. James Otis and Joseph Thilges both have 50% ownership of Otis Finisher Farm, LLC. The estimated production as calculated is 41,422kwh's of electricity per year, or enough electricity to power 3 homes. This will replace 52.01% of the current usage. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	OTTUMWA AREA ECONOMIC DEVELOPMENT CORP.	RBEG	RBCS ENTERPRISE GRANTS	08/01/19	0	69,400	0	This Rural Development investment will be used by the Ottumwa Area Economic Development Corporation to attract workforce and new businesses to Ottumwa and surrounding 9-county area.
IOWA	PALO ALTO CO. ECONOMIC DEVELOPMENT CORP.	RBEG	RBCS ENTERPRISE GRANTS	06/13/19	0	30,100	0	This Rural Development investment will be used to provide technical assistance and educational opportunities for small businesses in Palo Alto County, Iowa. Palo Alto County Economic Development Corporation anticipates assisting 25-30 businesses with this project. They have been providing assistance to businesses for over 20 years.
IOWA	PAUSTIAN ENTERPRISES LTD.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/24/19	0	35,619	0	This Rural Development investment will be used for the purchase and installation of a 373 kW solar array. Paustian Enterprises will realize $67,236 per year in savings and will replace 521,980 kWh (89%) per year. This project will save enough electricity to power 48 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations.
IOWA	PRACTICAL FARMERS OF IOWA	RBEG	RBCS ENTERPRISE GRANTS	06/25/19	0	72,435	0	This Rural Development investment will be used to provide technical assistance to small and emerging businesses in rural areas through training and business planning. Practical Farmers of Iowa has over 30 years experience in research, networking, and providing training to small businesses.
IOWA	PRAIRIE ENERGY COOP	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	09/13/19	0	300,000	0	This Rural Development investment of $300,000 will be used to supplement a revolving loan fund along with $60,000 of Prairie Energy Cooperative matching funds. Prairie Energy Cooperative will loan these funds to Hancock County health System, a county owned critical access hospital in Britt, Iowa to assist with renovations to modernize the hospital. Additional funding of $7.38 million to complete the project will come from hospital equity, other Rural Electric Cooperative funding and USDA - Rural Development Community Facilities Program loan funding. The purpose of this funding program is to provide loans to rural utilities program borrowers to promote economic development.
IOWA	PRAIRIE PORK, INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/17/19	0	50,000	0	This Rural Development investment will be used for the purchase and installation of 130 and 146 kW solar arrays. Prairie Pork, Inc. a family farm operation, will realize $54,859 per year in savings, and will replace 393,214 kWh (80.19%) per year. This project will save enough electricity to power 36 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and making energy-efficiency improvements to their operations.
IOWA	RC&D FOR NE IA INC	RBOG	RBCS DEVELOPMENT GRANT	06/10/19	0	15,000	0	This Rural Development investment will be used to provide economic development and small business attraction in Fayette County. Northeast Iowa RC&D will expand regional economic development by implementing and expanding on business focused initiatives within 12 rural communities.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
IOWA	RED LION SIGOURNEY SCHOOLS SOLAR LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/25/19	0	21,455	0	This Rural Development investment will be used for the purchase and installation of a combined 231 KW solar system in three locations. Red Lion Sigourney Solar, LLC is a newly created entity for the purposes of generating electricity in Sigourney, IA. The system is estimated to produce 337,486 kWh per year, which is enough electricity to power 31 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	REILING, HOLLY	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/26/19	0	12,500	0	This Rural Development investment will be used to purchase and install a new energy efficient Sukup grain dryer. Holly Reiling is a sole proprietor of a grain and livestock farm near Winthrop, IA. This project will realize $7,471 per year in savings, and will save 185,477 kWh(48%) per year, which is enough energy to power 17 homes. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operation.
IOWA	REIS, KAY N.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/24/19	0	17,500	0	This Rural Development investment will be used for the purchase and installation of a 39.4 kW solar array. Kay Reis will realize $7,742 per year in savings and will replace 54,743 kWh (55%) per year. This project will save enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy efficiency improvements to their operations.
IOWA	RIVER VALLEY TELEPHONE COOP	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (TELEPHONE)	05/30/19	0	0	875,000	This Rural Development loan investment will be used to assist with the complete renovation and replacement of 1300 feet of Robins Street in Graettinger, Iowa, a street through the city's primary business and employment center. The proposed project will replace the entire street bed, all major underground utilities in the project area, sidewalks, lighting and install other streetscape improvements. The $875,000 loan from River Valley Telecommunications Cooperative will be combined with a $800,000 of funds from the City of Graettinger and the Graettinger Municipal Utilities. Through the Rural Economic Development Loan and Grant (REDLG) program, funds are used to provide loans to rural utilities program borrowers to promote economic development.
IOWA	ROYER, DANIEL	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/24/19	0	10,000	0	This Rural Development investment will be used for the purchase and installation of a 42kW solar system. Daniel Royer, a local farm operator, will be generating electricity in rural Coon Rapids, IA. The system is estimated to produce 60,669 kWh per year, which is enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	SANDBERG, MARK L	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/21/19	0	17,281	0	This Rural Development investment will be used to make energy-efficiency improvements with the purchase and installation of a new Sukup grain dryer. Mark Sandberg is a sole proprietor of a grain farm near Rowley, IA. This project will realize $9,486 per year in savings, and will save 253,239 kWh (35%) per year, which is enough energy to power 23 homes. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operation.
IOWA	SCHLEISMAN, MELISSA	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/31/19	0	15,296	0	This Rural Development investment will be used for the purchase and installation of a combined 142 kW solar system in three locations. Melissa Schleisman, a local farm operator, will realize $18,739.69 per year in savings, and will replace 203,213 kWh (89%) per year. This project will save enough electricity to power 18 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	SHERRILL MOUNT HOUSE, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/16/19	0	10,678	0	This Rural Development investment will be used for the purchase and installation of a 13.7 kW Solar array. Sherrill Mount House, LLC., a restaurant in Sherrill Iowa, will realize $4,693 per year in savings, and will replace 14,686 kWh (67%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and making energy-efficiency improvements to their operations.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
IOWA	SOIL BUILDER, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/16/19	0	22,500	0	This Rural Development investment will be used for the purchase and installations of a 45.99kW solar system. Soil Builder, LLC is a lessor of non-residential real-estate in Stanwood, IA. The system is estimated to produce 63,571 kWh per year, which is enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and making energy-efficiency improvements to their operations.
IOWA	SPERFSLAGE, ANITA	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/20/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Anita Sperfslage raises corn and soybeans near Coggon, Iowa. This project will realize $11,400 per year in savings and will replace 241,525 kWh (44%) per year, which is enough energy to power 22 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	STENSLAND CREAMERY, INC	VAPG	VALUE-ADDED PRODUCER DVLP GRANTS-DISCR	02/13/19	0	250,000	0	Rural Development funds will be used to expand retail sales of cheese, ice cream and pasteurized bottled milk. Working capital funds will be used to expand the marketing and sales of cheese, ice cream and pasteurized bottled milk. Rural Development funds will be matched with $250,000 from the grantee.
IOWA	STENSLAND, LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	09/26/19	2,000,000	0	0	This Rural Development guaranteed loan investment will assist Stensland, LLC in restructuring debt and increasing working capital. Stensland, LLC is a small family-owned dairy operation in Larchwood Iowa that produces milk, cheese curds, cheese, and other dairy products. The guaranteed loan will allow Stensland to retain 25 employees and create 3 new job opportunities. The purpose of this funding program is to bolster the availability of private credit by guaranteeing loans for rural businesses.
IOWA	STREETER, MICHAEL D.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/16/19	0	14,265	0	This Rural Development investment will be used for the purchase and installation of a 26.95 kW Solar array. Michael Streeter, owner and operator of a leasing company, will realize $4,132 per year in savings, and will generate 36,824 kWh (98%) per year. This project will save enough electricity to power 3 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and making energy-efficiency improvements to their operations.
IOWA	TAKES DAIRY L.C.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/26/19	0	21,375	0	This Rural Development investment will be used for the purchase and installation of a 73 kW Solar array. Takes Dairy L.C., a producer of Dairy Cattle and Milk, will realize $8,237 per year in savings, and will replace 100,281 kWh (136%) per year. This project will save enough electricity to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and making energy-efficiency improvements to their operations.
IOWA	TURNIS FARMS COMPANY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	13,270	0	This Rural Development investment will be used for the purchase and installation of a 41 kW solar array on the farm of Turnis Farms Company. This project will replace 44,618 kWh (100%) per year and realize $5,900 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	UNI SWINE LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of 4 solar arrays totaling 178 kW. UNI Swine LLC, will realize $27,373 per year in savings, and will generate 248,849 kWh per year. This project will generate enough electricity to power 20 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and making energy-efficiency improvements to their operations.
IOWA	WATSON AUTO PARTS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/02/19	400,000	0	0	This guaranteed loan investment will be used to transfer ownership of an existing auto parts store in Leon, Iowa. Loan funds will be used to acquire all business assets allowing the facility to remain operational and retain 3 employees under the current operation. Guaranteed loan funds will be matched with a $25,000 operating line of credit from the lender.
IOWA	WATSON AUTO PARTS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/02/19	125,000	0	0	This guaranteed loan investment will be used to transfer ownership of an existing auto parts store in Leon, Iowa. Loan funds will be used to acquire all business assets allowing the facility to remain operational and retain 3 employees under the current operation. Guaranteed loan funds will be matched with a $25,000 operating line of credit from the lender.

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IOWA	WEILAND FARMS	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/20/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a new MC grain dryer. Weiland Farms is a family owned farming partnership that raises corn and soybeans at its facility near Garner, Iowa. This project will realize $64,990 per year in savings and will reduce energy consumption by 1,056,908 kWh's (45%) per year, which is enough energy to power 97 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
IOWA	WOODBURY COUNTY RURAL ELECTRIC COOP	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	05/30/19	0	300,000	0	This Rural Development investment will be used to replenish an existing revolving loan fund that is administered by Woodbury County Rural Electric Cooperative in Moville, Iowa. The initial loan will assist the city of Lawton's proposed project of constructing a new city hall with community room and maintenance facility.
KANSAS	ABILENE MACHINE LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/23/19	0	19,500	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Abilene Machine, Inc is a manufacturer in Solomon, Kansas. Project funds will be used for the purchase and installation of LED Lighting and insulation. The project is estimated to save 54,559 kWh per year. Enough energy to power 5 homes. The energy saving is estimated to be 40.30% less energy than has been historically used. Abilene Machine, Inc. currently employees 141 individuals.
KANSAS	AVIATION CONSULTING & ENG SOLUTIONS INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	20,000	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Aviation Consulting & Engineering Solutions, Inc. is an existing business that provide clients with FAA certification and engineering solutions. Project funds will be used for the purchase and installation of a Geothermal HVAC system. The project is estimated to generate 34,130 kWh per year. Enough energy to power 3 homes. Aviation Consulting & Engineering Solutions, Inc. currently employees 15 individuals.
KANSAS	BLUESTEM ELECTRIC COOPERATIVE INC	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	12/18/18	0	0	1,000,000	This project will provide loan funds for the Gray Family Dental in Marysville, KS to construct and equip a new dental facility. The project will result in the creation of 5 additional jobs.
KANSAS	BLUESTEM ELECTRIC COOPERATIVE INC	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	05/16/19	0	0	1,550,000	Rural Development funds will be used to provide loans to rural utilities program borrowers to provide economic development. Custom Wood Products, is focused on the design, manufacturing and delivery of custom cabinetry to homeowners. This project will provide loan funds for the purchase of additional building space in Maple Hill, Kansas, as well as equipment. The project will result in the creation of 26 additional jobs.
KANSAS	CUDNEY, MONTY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/11/19	0	42,500	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Monty Cudney runs an existing turkey farm. Project funds will be used for the purchase and installation of a 100.01 kW solar array. The project is estimated to generate 148,846 kWh per year. Enough energy to power 14 homes. This system is estimated to generate 81% of the energy needed to power the business. Monty Cudney currently employees 9 individuals.
KANSAS	DISCS UNLIMITED INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/15/19	0	5,762	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will replace 100% of the energy used by a sporting goods store in Heringotn, KS by installing 8kW, roof mount solar panels. Project funds will be used for the purchase and installation of an 8 kW solar array which will save $1711 and replace 13,164 kWh (100%) per year, enough electricity to power 1 home.
KANSAS	DKM LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/11/19	0	20,000	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. DKM, LLC. is an existing business that owns, raises and sells livestock. Project funds will be used for the purchase and installation of a 25.3 kW Solar Array. The project is estimated to generate 40,030 kWh per year. Enough energy to power 3 homes. Aviation Consulting & Engineering Solutions, Inc. currently employees 15 individuals.

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KANSAS	DODGE CITY CITY OF	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	130,574	0	This Rural Development investment will be used too bring a 4 year college degree program to Southwest Kansas through a partnership with KS Board of Regents, Fort Hays State University, Kansas University, KU Med, Newman University and Witchita State University. A feasibility study was conducted with FY 2017 RBDG allocation to determin the success of such a program. After feasibility success the project will be implemented in Hennessey Hall that sits on ghe grounds of the former St. Mary's of the Plains College, now owned by Dodge City. Focus of the project is to be able to fill positions currently available in the medical profession. 5 of the 28 counties have areas designated as opportunity zones, Stafford, Lane, Greely, Ford and Finney. Project will create 40 jobs.
KANSAS	FORT SCOTT HOSPITALITY CO	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/15/19	0	7,429	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will replace inefficient lighting and signage in a hotel in Fort Scott, KS. The project proposes to improve efficiency by 54%. Project funds will be used for the purchase and installation of LED lighting and signage which will save $3,068 and save 25,159 kWh (54%) per year, enough electricity to power 2 homes.
KANSAS	GLAVAN AUTO GROUP LLC	BI	GUARANTEED B&I 3% FEE LOAN	06/26/19	2,100,000	0	0	B&I loan is to be made to Glavan Auto Group for financing the construction of a new Ford Auto Dealership facility in Clay Center, KS. Three jobs will be created and 20 jobs will be saved.
KANSAS	HISTORIC BRECKENRIDGE LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/15/19	10,000,000	0	0	Funds will be used to rehab a historic structure into an 87 room hotel and convention center in Emporia, KS. This project will create 50 jobs.
KANSAS	HORTON MEAT PROCESSING LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/09/19	375,000	0	0	Horton Meat Processing, LLC will be the operating entity of the new meat processing facility in Horton. It is the 2nd meat processing facility owned and operated by Josh Haverkamp and Brent Shaffer. This project is expected to create 6 jobs in the Horton community.
KANSAS	HUTCHINSON COMMUNITY COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	99,500	0	Funds will be used by Hutchinson Community College to purchase a robotic welder for Brooks Trade Center, which is their Newton branch. Additional funding is requested to provide instructor training. The robotic welder and training will support a newly established welding curriculum. Recipient is partnering with Newton Unified School District 373 (USD 373.) The project is anticipated to create 7 jobs.
KANSAS	JOHN L & PEGGY A CARR LIVING TRUST	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/22/19	0	7,267	0	This Rural Development investment will be used to make energy efficiency improvements by converting an irrigation well from a propane engine to an electric submersible pump with a variable frequency drive. The John L. & Peggy A. Carr Living Trust owns the real estate located in Pawnee County, KS. This project will realize $7,629 per year in savings, and will replace 149,351 kWh (93.85%) per year which is enough to power 13 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
KANSAS	MANZER FAMILY MEDICINE LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/11/19	0	8,965	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will replace inefficient HVAC in 3 separate buildings housing doctor clinics in both Galena and Columbus, KS. The project proposes to improve efficiency by 74%
KANSAS	OSAWATOMIE AGENCY INC, THE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/15/19	0	17,625	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will replace 42% of the energy used by a rural bank by installing 30kW, roof mount solar panels. Project funds will be used for the purchase and installation of a 30 kW solar array which will save $5,476 and replace 42,125 kWh (42%) per year, enough electricity to power 3 homes.
KANSAS	PACIFIC INVESTMENT INC	BI	GUARANTEED B&I 3% FEE LOAN	04/18/19	3,636,000	0	0	B&I loan is to be made to Pacific Investment, Inc. for financing the purchase of an existing 72 room Country Inn and Suites Hotel in Salina, KS. 12 jobs will be saved.
KANSAS	PALMER LOCKHART HOLDING INC	BI	GUARANTEED B&I 3% FEE LOAN	06/13/19	10,000,000	0	0	Palmer Manufacturing & Tank manufacturers steel & fiberglass tanks for the oil & gas industry as well as the agriculture industry. Palmer Manufacturing purchased the assets of two existing facilities in Garden City, KS and Dickinson, ND from Worthington Industries. The project provided Palmer the opportunity to repurchase the business that they operated in Garden City for nearly 50 years as well as bring the Dickinson facility into their business. The B&I loan will be used to purchase real estate and machinery & equipment. The project will save 123 jobs.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
KANSAS	PEABODY GROCERY INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/15/19	0	17,007	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. The Peabody Market is a grocery store in Peabody, Kansas. Project funds will be used to replace outdated freezers. The project is estimated to save 75,355 kWh per year. Enough energy to power 7 homes. The energy saving is estimated to be 55.48% less energy than has been historically used. The Peabody Market currently employees 14 individuals.
KANSAS	PFAFF SIGNS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	6,937	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Pfaff Signs LLC is an existing business that creates signs and banners. Project funds will be used for the purchase and installation of a 7 kW solar array. The project is estimated to generate 13,769 kWh per year. Enough energy to power 1 home. This system is estimated to generate 100% of the energy needed to power the business. Pfaff Signs, LLC. currently employees 4 individuals
KANSAS	PLASTICS EXTRUSION MACHINERY LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/18/19	0	15,291	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Plastics Extrusion Machinery, LLC. is a manufacturer in McPherson, Kansas. Project funds will be used for the purchase and installation of LED Lighting, as well as Welder, Heater and Exhaust upgrades. The project is estimated to save 66,251 kWh per year. Enough energy to power 6 homes. The energy saving is estimated to be 22.46% less energy than has been historically used. Abilene Machine, Inc. currently employees 32 individuals.
KANSAS	PROTECTION COMMUNITY VENTURE INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/18/19	0	12,681	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Protection Community Venture, Inc is a grocery store in Protection, Kansas. Project funds will be used to replace outdated refrigeration as well upgrade the store with LED lighting. The project is estimated to save 39,907 kWh per year. Enough energy to power 4 homes. The energy saving is estimated to be 50.25% less energy than has been historically used. Protection Community Venture, Inc. currently employees 14 individuals.
KANSAS	RIVERSCREEN INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/11/19	0	48,535	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Riverscreen, Inc. is an existing business that create systems that prevent the clogging of sprinkler nozzles. Project funds will be used for the purchase and installation of a 65 kW solar array. The project is estimated to generate 101,449 kWh per year. Enough energy to power 9 homes. This system is estimated to generate 100% of the energy needed to power the business. Riverscreen, Inc. currently employees 9 individuals.
KANSAS	ROLLING HILLS ELECTRIC COOP INC	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	12/18/18	0	0	640,000	This project will provide loan funds to Osborne School #392. to replace outdated plumbing infrastructure throughout the school and renovate four restrooms in the school's west wing. The project will save 86 jobs at the school.
KANSAS	SLACK, MICHAEL	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	11,193	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Michael Slack runs an existing agricultural operation specializing in oilseed and grain combination farming. Project funds will be used for the purchase and installation of a 18 kW solar array. The project is estimated to generate 28,189 kWh per year. Enough energy to power 2 homes. This system is estimated to generate 91.2% of the energy needed to power the business. Michael Slack currently has 1 employees.
KANSAS	SPUR RIDGE VET HOSPITAL PA	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	8,613	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Michael Slack runs an existing agricultural operation specializing in oilseed and grain combination farming. Project funds will be used for the purchase and installation of a 18 kW solar array. The project is estimated to generate 28,189 kWh per year. Enough energy to power 2 homes. This system is estimated to generate 91.2% of the energy needed to power the business. Michael Slack currently has 1 employees.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
KANSAS	STAFFORD COUNTY ECONOMIC DEVELOPMENT	RBEG	RBCS ENTERPRISE GRANTS	06/19/19	0	89,926	0	Funds will be used to renovate building Stafford County Economic Development (SCED) owns to create a business incubator. Additional funding is requested to provide techical assistance services, and purchase of computers, internet and other essential technology. Project will create 18 jobs.
KANSAS	SUMNER COMMUNITY HOSPITAL LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/07/18	2,220,000	0	0	USDA Rural Development funds will be used to provide a guaranteed loan to Sumner Community Hospital, LLC for the purpose of acquiring the existing hospital in Wellington, Kansas. This acquisition will allow the local hospital to remain open, thus ensuring access to emergency and acute care for the residents of Wellington and the surrounding residents of Sumner County, Kansas. The project will also allow for the retention of 109 full time jobs.
KANSAS	TOLL, J DOUGLAS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/15/19	0	9,913	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. J. Douglas Toll is an agricultural producer who produces corn in Clifton, Kansas. Project funds will be used for the purchase and installation of a 13.92 kW solar array. The project is estimated to generate 21,448 kWh per year. Enough energy to power 1 home. This system is estimated to use 49.11% less energy than has been historically used. J. Douglas Toll currently employees 2 individuals.
KANSAS	UNRUH, DUANE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/15/19	0	3,583	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Duane Unruh produces eggs in Peabody, Kansas. Project funds will be used for the purchase and installation of an 8 kW solar array. The project is estimated to generate 11,482 kWh per year. Enough energy to power 1 home. This system is estimated to use 31.58% less energy than has been historically used. Duane Unruh currently employees 1 individual.
KENTUCKY	7405 ASHLAND, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/26/19	5,000,000	0	0	
KENTUCKY	ANNIE'S FRUGAL FINERY, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Annils Frugal Finery, LLC is a clothing consignment store located in Whitesburg KY. Project funds will be used for the purchase and installation of a 30.72 kW Photovoltaic Array system. This project will realize $5,186.72 per year in energy generation and will replace 37,048 kWh which is enough electricity to power 3.4 homes.
KENTUCKY	BALLARD COUNTY FISCAL COURT	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	99,900	0	This Rural Development investment will enable the Fiscal Court to purchase equipment which processes fish, fish entrails and fish offal into organic fertilizer. Currently, the company is paying to haul the offal to Missouri for disposal. In addition, this project will create a local source of organic fertilizers for local farmers or homeowners. Due to the county's loss of two (2) major employers, the additional jobs created by this project is greatly needed. Overall this project will assist in curtailing the exploding population of Asian Carp in Kentucky waters. This invasive fish are reproducing at alarming rates and threatening Kentucky's aquatic ecology. Ballard county contains census tracts designated as Opportunity Zone.
KENTUCKY	CADRES, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/28/19	0	19,222	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Cadres, Inc. is a for-profit off market retail business located in Henry County. The business employs five full-time employees. Project funds will be used for the purchase and installation of a 33.0 kW Photovoltaic Array system. This project will realize $6,052.14 per year in energy generation and will replace 44,501 kWh which is enough electricity to power 13.0 homes.
KENTUCKY	COMMUNITY VENTURESC	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/27/19	0	55,029	0	This Annual Rural Development investment opportunity will enable the Grantee to provide education, guidance or instruction to one or more rural microentrepreneurs to prepare them for self-employment; to improve the state of their existing rural microenterprise; to increase their capacity in specific technical aspect of the subject business; and, to assist the rural microentrepreneurs in achieving a degree of business preparedness and/or functioning that will allow them to obtain, or have the ability to obtain, one or more business loans of $50,000 or less.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
KENTUCKY	COMMUNITY VENTURESC	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	33,088	0	The Rural Development Investment will enable the Applicant to provide in-depth training, guidance and entrepreneurial education to existing and new small and emerging businesses located in a seven (7)-county service area. In addition, the entrepreneurs will have access to an "Entrepreneurship Center" that provides low-cost office space, shared receptionist services, meeting and conference rooms, etc. The proposed service area includes counties which have been designated as a Shaping our Appalachian Region (SOAR); Appalachian Regional Commission (ARC); includes census tracts designated as Opportunity Zones and the project will be located in a Distressed Community.
KENTUCKY	CRITTENDEN COMMUNITY HOSPITAL, LLC	BI	GUARANTEED B&I 3% FEE LOAN	12/19/18	4,439,600	0	0	This Rural Development loan guarantee will be used to purchase the property and operating assets of the 48-bed Crittenden County Hospital located in Marion, KY. This purchase will enable the community to keep the hospital, which provides acute care and general health services to persons residing within Crittenden County. The hospital provides emergency care, surgery and a full range of diagnostic and outpatient services including radiology services, laboratory, pharmacy and physical therapy. This hospital is located in StikeForce and Delta Regional Authority (DRA) counties.
KENTUCKY	CUMBERLAND MACHINERY MOVERS & INDUSTRIAL	BI	GUARANTEED B&I 3% FEE LOAN	05/17/19	1,500,000	0	0	
KENTUCKY	CUNDIFF FARMS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/05/19	0	49,999	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Cundiff Farms is a grain farm in Trigg County. Project funds will be used for the purchase and installation of a 150.0 kW Photovoltaic Array system at 855 Wallonia Rd, Princeton KY. This project will realize $30,713.06 per year in savings, and will replace 219,379 kWh which is enough electricity to power 20.2 homes.
KENTUCKY	DENALI STUD, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	7,224	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Denali Stud, Inc. is a thoroughbred horse operation located in Bourbon County KY. Funds will be used for the purchase and installation of a 5.0 kW Photovoltaic Array system with battery storage. This project will realize $342.05 per year in energy generation income and will replace 6,841 kWh which is enough electricity to power 0.6 homes.
KENTUCKY	DENALI STUD, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/13/19	0	4,950	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This energy efficiency improvement project will install LED lighting that is estimated to reduce energy usage by 74.53%. The proposed system is projecting to save enough energy to equate to the amount of electricity it takes to power 5.2 homes.
KENTUCKY	DENTON, DARREL LYNN	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/19/19	0	45,875	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Darrel Lynn Denton is a grain farmer in Ballard County. Project funds will be used for the purchase and installation of a 59.16 kW Photovoltaic Array system at 2855 Lap Rollings RD, Barlow KY. This project will realize $7,357.33 per year in savings, and will replace 83,606 kWh which is enough electricity to power 7.7 homes.
KENTUCKY	EDDYVILLE RIVERPORT&INDUSTRIAL DEV. AUTH	RBOG	RBCS DEVELOPMENT GRANT	07/24/19	0	50,000	0	The Rural Development funds will be used to procure and employ a qualified consultant to develop the master planning document for the Riverport. The Riverport is 225 acres of which only 25 acres is presently developed and in use. The port provides distribution of commodities to regional and national markets. The masterplan will guide the Riverport in making decisions that will lead to the creation of new business and industrial opportunities for the port.
KENTUCKY	FARMERS RURAL ELECTRIC COOPERATIVE CORP.	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	06/11/19	0	0	2,000,000	This Rural Development investment will be used to build an eight-bed hospice care facility on a one-acre tract near the existing hospital. T. J. Samson Community Hospital provides medical care to Barren County and the surrounding areas. The proposed project will create 7 new jobs over a two-year period. Project funding will include a $2,000,000 10-year loan from Farmels Rural Electric Cooperative Corporation revolving loan fund and a $1,000,000 cash contribution from T. J. Samson Community Hospital.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
KENTUCKY	GOOSE CREEK CANDLES, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/17/19	0	49,895	0	This Rural Development investment will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Goose Creek Candles, LLC is a candle manufacture in Casey County. Project funds will be used to replace an inefficient HVAC system and to add insulation to the commercial property located at 1498 S. Wallace Wilkinson Blvd, Liberty KY. This project will realize $3,863.30 per year in savings, and will save 77,744 kWh (10.86%) per year, which is enough electricity to power 7.1 homes.
KENTUCKY	GROSS FARMS INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/30/19	0	6,470	0	This Rural Development investment will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Gross Farms Inc. owns and operates four Brooder Egg Production houses located at 8450 KY Hwy 1046, Calhoun KY. Project funds will be used to replace high pressure sodium lighting with 11.5 Watt LED lighting. This project will realize $5,297.04 per year in savings, and will replace 44,142 kWh (63.1%) per year, which is enough electricity to power 4.07 homes.
KENTUCKY	GROSS FARMS INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/05/19	0	43,643	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Gross Farms Inc. is poultry farm in McLean County. Project funds will be used for the purchase and installation of a 59.84 kW Photovoltaic Array system at 8450 Hwy 1046, Calhoun KY. This project will realize $10,044.48 per year in savings, and will replace 83,704 kWh which is enough electricity to power 7.7 homes.
KENTUCKY	GROSS, BRYANT	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/30/19	0	3,235	0	This Rural Development investment will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Bryant Gross is the owner-operator of two (2) brooder production barns located at 250 Forrest King RD, Livermore KY. Project funds will be used to replace high pressure sodium lighting with 11.5 Watt LED lighting. This project will realize $3,411.00 per year in savings, and will replace 28,425 kWh (25.351%) per year, which is enough electricity to power 2.6 homes.
KENTUCKY	GROSS, BRYANT	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/05/19	0	44,296	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Bryant Gross owns a poultry farm in McLean County. Project funds will be used for the purchase and installation of a 59.84 kW Photovoltaic Array system at 250 Forrest King Rd, Livermore KY. This project will realize $9,852.69 per year in savings, and will replace 84,211 kWh which is enough electricity to power 7.7 homes.
KENTUCKY	HAMILTON GRAIN FARMS, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/05/19	0	29,985	0	This Rural Development investment will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Hamilton Grain Farms, LLC is a grain farm located in rural Daviess County. Project funds will be used to replace an inefficient grain dryer with a SuKup T205 Grain Drying System located at 7844 Hwy 431, Utica KY. This project will realize $10,547.51 per year in savings, and will save 209,520 kWh (37.94%) per year, which is enough electricity to power 19.3 homes.
KENTUCKY	HAZARD, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	100,000	0	The Rural Development investment will enable to applicant to support small and emerging farmers, food producers and artisans located within the Perry County area. This proposal is part of the City's overall process of developing the downtown area of Hazard. The County has been designated as a Shaping our Appalachian Region (SOAR); Appalachian Regional Commission (ARC); Substance-Use Disorder (Opioid); Persistent Poverty; Promise Zone; a Distressed Community; and contains census tracts designated as Opportunity Zones.
KENTUCKY	HOWELL, KEITH	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/23/19	0	12,272	0	This Rural Development investment will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Keith Howell is the owner-operator of four (4) broiler production houses located at 273 Humphreys RD, Wingo KY. Project funds will be used to install insulated doors and radian tube heaters in each barn. This project will realize $2,568.04 per year in savings, and will replace 66,869 kWh (22.09%) per year, which is enough electricity to power 6.2 homes.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
KENTUCKY	HUNT FARMS	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/04/19	0	94,123	0	This Rural Development investment will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Hunt Farms is a grain farm located in rural Warren County. Project funds will be used to replace an inefficient grain dryer with a tower drying system from GSI, model 3531T, located at 1268 Richpond RD, Bowling Green KY. This project will realize $18,259.00 per year in savings, and will save 378,715 kWh (22.25%) per year, which is enough electricity to power 34.9 homes.
KENTUCKY	IGNACIO HOLDINGS, LLC ET AL	BI	GUARANTEED B&I 3% FEE LOAN	06/28/19	2,050,000	0	0	This Rural Development investment will be used to refinance existing debt which will save 30 jobs with an average wage above 138% of the Federal Minimum Wage.
KENTUCKY	JAMES TRANSPORTATION, LLC	BI	GUARANTEED B&I 3% FEE LOAN	06/19/19	10,000,000	0	0	
KENTUCKY	JASON RALPH FARMS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/05/19	0	36,770	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Jason Ralph Farms LLC is a poultry farm located in Graves County. Project funds will be used for the purchase and installation of a 49.64 kW Photovoltaic Array system at 2952 State Route 1124, Mayfield KY. This project will realize $5,482.28 per year in savings, and will replace 73,097 kWh which is enough electricity to power 6.7 homes.
KENTUCKY	JRL UNDERGROUND, INC.	BI	GUARANTEED B&I 3% FEE LOAN	02/20/19	10,000,000	0	0	Rural Development loan funds will be used for debt refinance and loan closing costs. JRL Underground, Inc. was formed in August 2018 as a underground coal mining company. Currently they are mining an existing underground mine located in Putney, Harlan County, Kentucky. The company will provide 26 high paying jobs (4.4x above Federal Minimum Wage) to a region that has experienced dramatic unemployment rates, long term population decline and persistent poverty.
KENTUCKY	JW'S PIZZA, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	19,905	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. JW s Pizza, LLC is a privately owned Dominos franchise restaurant located in Clark County. Project funds will be used for the purchase and installation of a 38 kW Photovoltaic Array system. This project will realize $4,941.00 per year in savings, and will generate 47,505 kWh which is enough electricity to power 4.4 homes.
KENTUCKY	KENTUCKY CENTER FOR AG & RURAL DVLPMT	RCDG	PERSISTENT POVERTY RCDG - RURAL COOPERATIVE DEVELOPMENT GRANTS	09/16/19	0	200,000	0	This Rural Development investment will be used to improve economic conditions of rural areas through cooperative development as its primary objective and support the development of a strong rural workforce. Kentucky Center of Agriculture and Rural Development (KCARD) will provide hands-on technical assistance, relevant educational opportunities addressing cooperative challenges, develop collaborative support networks among providers to new and existing agricultural and rural businesses. KCARD serves all rural areas across Kentucky.
KENTUCKY	KENTUCKY HIGHLANDS INVESTMENT CORP	IRP	INTERMEDIARY RELENDING PROGRAM	02/25/19	0	0	1,000,000	This Rural Development investment will be used to promote economic development through investment in viable businesses located in or which will locate in southeastern Kentucky. The counties within the 14-county service area have been designated by the Appalachian Regional Commission economically distresstd for FY 2018 which indicates over a 3-year average, the counties rank among the worst 10% of US counties in average unemployment, per capita market income and poverty rates. A major contributor to this economic distress is the decline of coal mining direct and indirect employment and an associated increase in substance abuse among the population. It is anticipated the funding will save/create at least 50-60 jobs.
KENTUCKY	KENTUCKY HIGHLANDS INVESTMENT CORP	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG LOANS	05/30/19	0	0	500,000	Rural Development investment will be used to re-capitalize a Rural Microloan Revolving Fund to make microloans to rural microentrepreneurs and microenterprises. The Applicant's service areas encapsulate 22 counties which have been designated as Persistent Poverty, Appalachian Regional Commission, Strike Force, Shaping our Appalachian Region (SOAR) and Opioid Crisis. The applicant will inject an additional $125,000 into the project to meet the financing and technical needs of micro-enterprises throughout the area.

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KENTUCKY	KENTUCKY HIGHLANDS INVESTMENT CORP	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	100,000	0	The Rural Development Investment will be used to recapitalize a $100,000 revolving loan fund to assist businesses located in a 14-county service area. This proposal will enable the applicant to increase access to capital for businesses located in an economically distresed area where the availability of affordable credit to small, startup businesses is limited. This area is part of serveral national and regional designations: Shaping Our Appalachian Region (SOAR), persistent poverty, Appalachian Regional Commission, and each county contains census tracts which have been designated as Opportunity Zones.
KENTUCKY	KENTUCKY HIGHLANDS INVESTMENT CORP	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	43,073	0	This Annual Rural Development investment opportunity will enable the Grantee to provide education, guidance or instruction to one or more rural microentrepreneurs to prepare them for self-employment; to improve the state of their existing rural microenterprise; to increase their capacity in specific technical aspect of the subject business; and, to assist the rural microentrepreneurs in achieving a degree of business preparedness and/or functioning that will allow them to obtain, or have the ability to obtain, one or more business loans of $50,000 or less.
KENTUCKY	KY COMMUNITY & TECHNICAL COLLEGE SYSTEM	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	99,945	0	The Rural Development investment will enable the College to implement an Additive Manufacturing (AM) project within their 5-county service area. This new and growing technology will enable small and emerging businesses owners and inventors the opportunity to experience what AM (3D) can do for their businesses. The technology enables design complexities that engineers and designers have never had the option to apply previously. AM can produce complex shapes and designs, both internally and externally, that conventional manufacturing cannot. For example, AM can produce moving parts within moving parts with no assembly required. This aspect can enable businesses to produce products which are better, stronger and ones which were previously impossible to produce. The project is located within a Distressed Community.
KENTUCKY	KY COMMUNITY & TECHNICAL COLLEGE SYSTEM	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	99,988	0	The Rural Development investment will enable the College to expand their Additive Manufacturing knowledge and success toward the Appalachian Region. (AMAKE - Additive Manufacturing: Appalachian Kentucky Expansion). This project will bring the same methodology and AM integration result from the Somerset region to Ashland's FIVCO area. The College will provide technical assistance through training, assistance and support of the Ashland Community College, as well as collaborating partners, in the selection of equipment, reaching and influeing the regional small and emerging businesses, providing AM integration models, and the overall expansion of AM technology within the Appalachian region. The college will also utilize its existing and new equipment to establish a cloud production network with ACTC so that AM production does not to be limited to one location. This project will also result in new employment opportunities in existing businesses and new startup business opportunities. Overall this expansion work in AM across the state of Kentucky will bring the benefits of this technology to more and more businesses, ideally leading to the advancement of the state's manufacturing profile and future investments from the aerospace and automotive industries.
KENTUCKY	KY COMMUNITY & TECHNICAL COLLEGE SYSTEM	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	99,750	0	The Rural Development Investment will be used to create a simulated clinic/lab to support a curriculum and hands-on-training for the Medical Assisting Program. Clinics in the region have expressed "overwhelming interest and demand" for Certified Medical Assistants. As healthcare costs increase, medical facilities are under pressure to manage costs and maximize the use of resources including personnel. Medical Assistants can perform both administrative and clinical tasks (from filing claims to assisting the physician with minor surgeries). This program will also address the area's high Opioid Substance Use Disorder. The simulate clinic/lab will provide an additive benefit to traditional instruction, enhance performance and possibly reduce errors; thereby, allowing students with a unique opportunity to put skills into practice before entering the work force. It has been projected that this project will provide 119 new medical assistance over a five-year period.
KENTUCKY	KY COMMUNITY & TECHNICAL COLLEGE SYSTEM	DLHT	DELTA HEALTH CARE SERVICES GRANT	05/02/19	0	314,646	0	This Rural Development investment will be used to expand the respiratory therapy degree program at Madisonville Community College. The College has formed a consortium to train and meet an identified need for respiratory therapists in Kentucky's Jackson Purchase region, comprised of ten counties. Additional funding includes a $58,488.00 consortium contribution.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
KENTUCKY	L & T POULTRY, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/28/19	0	17,999	0	Rural Development Funds will be used to assist farmers, ranchers, and small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. L&T Poultry, LLC is a poultry farm consisting of eight broiler houses located in Barren County. The Grant funds will be used to make energy efficiency upgrades to the production houses. Improvements include installing insulated ventilation inlet doors, adding insulation to the ceiling, and installing LED lighting. The energy efficient improvements will save approximately 487,268 kW annually, which is enough electricity to power 44.9 homes.
KENTUCKY	LAKE CUMBERLAND DISTRICT HEALTH DEPT	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	28,900	0	This Rural Development Investment will enable the applicant to support efforts to increase the productivity of small and emerging farmers located within Green and Taylor Counties. This project increases economic and health opportunities for the communities through the process of providing local foods. This project will include two (2) Distressed Communities; Opportunity Zone Census tracts; and designated Substance-Use Disorder areas.
KENTUCKY	LITWILLER, LAVERN K	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/28/19	0	8,987	0	Rural Development Funds will be used to assist farmers, ranchers, and small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. LaVern Litwiller is the owner/operator of a poultry farm consisting of two broiler breeder production barns in Calloway County. The Grant funds will be used to make energy efficiency upgrades to the production barns. Improvements include replacing plastic curtain sidewalls with double wall, translucent, polycarbonate panels, installing insulated ventilation inlet doors, and installing LED lighting. The energy efficient improvements will save approximately 62,021 kW annually, which is enough electricity to power 5.7 homes.
KENTUCKY	MCCREARY CO FISCAL COURT	RBOG	RBCS DEVELOPMENT GRANT	07/23/19	0	25,000	0	The Rural Development investment will be used to procure a web and marketing developer to design a website and brochure for the Industrial Development Authority . The brochure will showcase the countîs speculative building and property. The economic development efforts will provide county-wide benefit as new industry locates to the county.
KENTUCKY	MELVIN AND MARY BOWLES, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	15,868	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Melvin and Mary Bowles own a cattle farm in Butler County. Project funds will be used for the purchase and installation of a 19 kW Photovoltaic Array system. This project will realize $2,409.39 per year in income, and will produce 26,771 kWh which is enough electricity to power 2.4 homes.
KENTUCKY	MINORITY ECONOMIC DEVELOPMENT INITIATI	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	532	0	This Annual Rural Development investment opportunity will enable the Grantee to provide education, guidance or instruction to one or more rural microentrepreneurs to prepare them for self-employment; to improve the state of their existing rural microenterprise; to increase their capacity in specific technical aspect of the subject business; and, to assist the rural microentrepreneurs in achieving a degree of business preparedness and/or functioning that will allow them to obtain, or have the ability to obtain, one or more business loans of $50,000 or less.
KENTUCKY	OUTDOOR VENTURE CORPORATION	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	06/19/19	4,800,000	0	0	This Rural Development investment will be used to refinance debt originally used for the refurbish and construction of a manufacturing facility located in McCreary Co, KY. The borrower will lease this facility and equipment to Fibrotex USA Inc. Fibrotex USA Inc was awarded a military contract to produce a camouflage systems fabric and will manufacture this fabric in the new facility. This project supports a rural workforce partnering with Pine Knot Job Corps Center and Somerset Community College in the training of qualified individuals to meet their need for future employees.
KENTUCKY	PENDLETON COUNTY EXTENSION DISTRICT FDN.	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	80,000	0	Rural development funds will be used to construct a permanent Farmers Market Pavilion in Pendleton County, KY. This project will lead to the development or expansion of small and emerging private businesses. The Pavilion will serve an eight county area in Northern Kentucky including Pendleton, Boone, Bracken, Campbell, Harrison, Grant, Kenton and Robertson Counties. Pendleton County is considered a food desert by USDA standards and this will give direct access to locally grown, fresh food to the area.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
KENTUCKY	PLEASANT VIEW GREENHOUSES, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/28/19	0	20,000	0	Rural Development Funds will be used to assist farmers, ranchers, and small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Pleasant View Greenhouses Inc. is a flower, nursery stock and florists wholesaler located in Hopkins County KY. REAP grant Funds will be used for the purchase and insulation of a 29.92 kW Photovoltaic Array System at 418 Princeton RD, Madisonville KY. The array system will generate approximately 42,012 kWh annually, which is enough electricity to power 3.8 homes.
KENTUCKY	PRINT MY THREADS, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/28/19	0	19,446	0	This Rural Development investment will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Print My Threads, LLC is a cloth printing shop located in Flatwoods KY. Project funds will be used to install energy efficient air compressors and to insulate the roof of the building. This project will realize $2,104.20 per year in savings and will save 21,173 kWh (21.74%) per year, which is enough electricity to power 1.9 homes.
KENTUCKY	PRINT MY THREADS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/20/19	0	19,946	0	Rural Development Funds will be used to assist farmers, ranchers, and small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Print My Threads, LLC is a commercial screen printing business located in Flatwoods KY. REAP grant Funds will be used for the purchase and insulation of a 39.9 kW Photovoltaic Array System at 2200 Argillite RD, Flatwoods KY. The array system will generate approximately 48,489 kWh annually, which is enough electricity to power 4.4 homes.
KENTUCKY	ROCKCASTLE COUNTY INDUSTRIAL DEV AUTH	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	100,000	0	This Rural Development investment will enable the Industrial Authority to construct a permanent structure for their Farmers' Market. Small and emerging farmers can sell their products which provides revenue in a county still struggling due to loss of tobacco. Since the rates of obesity, early death, and other health issues are higher than the state averages, residents will have a source of health and fresh local food. Rockcastle County is located within the Appalachian Regional Commission (ARC), Shaping our Appalachian Region (SOAR); Persistent Poverty; and has been designated as a distressed Community.
KENTUCKY	THE KENTUCKY HORTICULTURE COUNCIL, INC	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	97,881	0	This Rural Development investment will provide technical assistance, education and training opportunity to small fruit growers in rural areas of Kentucky. The project goal is to increase production, improve competitiveness, create jobs and increase the farm revenue. The highly distressed regions of Kentucky will receive priority for the assistance which includes 93 counties.
KENTUCKY	TOM & TONY FOLZ FARMS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/19/19	0	49,975	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Tom & Tony Folz Farms is a grain farm located in Christian County. Project funds will be used for the purchase and installation of a 95 kW Photovoltaic Array system at 970 Boddie RD, Herndon KY. This project will realize $18,456.00 per year in savings, and will replace 131,829 kWh which is enough electricity to power 12.1 homes.
KENTUCKY	TOM FOLZ FARMS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/19/19	0	25,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Tom Folz Farms is a grain farm located in Christian County. Project funds will be used for the purchase and installation of a 50 kW Photovoltaic Array system at 1000 Boddie RD, Herndon KY. This project will realize $8,930.76 per year in savings, and will replace 74,423 kWh which is enough electricity to power 6.8 homes.
KENTUCKY	TRILLIUM VENTURES	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/20/19	0	17,955	0	Rural Development Funds will be used to assist farmers, ranchers, and small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Trillium Ventures is a commercial real estate holding company. In Whitley County KY. REAP grant Funds will be used for the purchase and insulation of a 29.9 kW Photovoltaic Array System at 115 South Main ST, Corbin KY. The array system will generate approximately 35,182 kWh annually, which is enough electricity to power 3.2 homes.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
KENTUCKY	UNIVERSITY OF KENTUCKY RESEARCH FOUND	REAR	REAP ENERGY AUDIT RECIPIENT	03/27/19	0	99,976	0	Rural development funds will be used to assist farmers, ranchers, and rural small businesses in making energy efficiency improvements to their operations. The University will conduct at least 31 on-farm energy audits for Kentucky farm and rural small business owners across the state during a 12-month period. UK Research Foundation anticipates working with 25 small energy efficiency projects (<$80,000 total project costs or TPC), 5 medium sized projects ($80,000 to $200,000 TPC) and 1 large project (>$200,000 TPC). Viable projects will have the option to be submitted to the Governor's Office of Agricultural Policy (GOAP) and USDA-RD REAP program for funding consideration. Total project cost is $105,476.00.
KENTUCKY	WARREN, JOHN	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/30/19	0	11,710	0	This Rural Development investment will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. John Warren is the owner-operator of four (4) broiler pullet production houses located at 11690 Utopia RD, Owensboro KY. Project funds will be used to install closed-cell spray foam insulation to the side walls and add insulation to the ceiling for each barn. This project will realize $5,926.00 per year in savings, and will replace 152,163 kWh (38.31%) per year, which is enough electricity to power 14 homes.
KENTUCKY	WAYNE COUNTY FISCAL COURT	RBOG	RBCS DEVELOPMENT GRANT	07/23/19	0	24,000	0	This Rural Development investment will be used to conduct a natural gas feasibility study. The study will allow the borrower to make informed decisions regarding the most technically feasible and cost effective route to obtain natural gas service to the county. The availability of natural gas is an important factor in attracting new industry.
KENTUCKY	WESTERN KENTUCKY UNIVERSITY	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	46,548	0	The Rural Development Investment will be used by the University to support their Small Business Development Center which provides training and technical assistance to small and emerging businesses. This proposal will enable the Center to expand by setting up a remote office which will provide services to their underserved counties of Allen, Barren and Hart. This office will implement workshops and training programs to improve the overall knowledge and understanding of existing businesses owners as they survive and grow; as well as encourage and train new entrepreneurs to successfully start and operate a business. The proposal projects to create or save 10 jobs for the areas.
LOUISIANA	2301 N. MACARTHUR LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/01/18	3,300,000	0	0	0
LOUISIANA	5678 FARMS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	08/01/19	0	43,785	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of roof. This project will realize $11,189 per year in savings, and will save 124,169 kWh of electricity per year (%) which is enough electricity to power 11 homes.
LOUISIANA	ACADIANA PLANNING COMMISSION, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	175,000	0	Funds will be used to provide technical assistance for community planning and capacity building within the rural areas of Acadiana to determine existing services areas and the need for broadband expansion based on the type and speed of service.
LOUISIANA	AVIATION EXTERIOR LOUISIANA INC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/22/19	0	123,750	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $134,923 per year in savings, and will save 438,511kWh of electricity per year (18%) which is enough electricity to power 40 homes.
LOUISIANA	B & D MATERIALS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/19/19	4,300,000	0	0	0
LOUISIANA	BASILE CARE CENTER, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/15/19	0	6,220	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $11,389.68 per year in savings, and will save 113,897 kWh of electricity per year (81%) which is enough electricity to power 11 homes.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
LOUISIANA	BAYOU CHATEAU NURSING CENTER, INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/30/19	0	10,687	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED Lighting. This project will realize $11,533 per year in savings, and will save 115,339 kWh of electricity per year (72%) which is enough electricity to power 11 home.
LOUISIANA	BAYOU SHRIMP PROCESSORS, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/15/19	0	14,319	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of roof. This project will realize $3,174 per year in savings, and will save 42,316 kWh of electricity per year (72%) which is enough electricity to power 4 homes.
LOUISIANA	BME PROPERTIES, LLC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/30/19	0	2,266	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $5,921 per year in savings, and will save 51,045 kWh of electricity per year (62%) which is enough electricity to power 5 homes.
LOUISIANA	BODEMULLER THE PRINTER, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/15/19	0	2,563	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of roof. This project will realize $4,623 per year in savings, and will save 40,615 kWh of electricity per year (18%) which is enough electricity to power 4 homes.
LOUISIANA	BROWNSTONE SAND & GRAVEL INC	BI	GUARANTEED B&I 3% FEE LOAN	11/01/18	2,879,000	0	0	
LOUISIANA	CHANEY LUMBER & SUPPLY, INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/15/19	0	3,734	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $5,338 per year in savings, and will save 41,084 kWh of electricity per year (81%) which is enough electricity to power 4 homes.
LOUISIANA	CITY OF WEST MONROE	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	99,000	0	The benefit of the proposed project is that it will deliver a place-based economic development plan based on the City of West Monroe's need and capacity to implement and sustain population and economic growth. This plan will use the redevelopment of blighted building st ot develo and implement small businesses, housing, cultural amenity, and streetscaping plans. These new anemnities would contribute to the waterfront district revitalization, thereby acting as a catalyst for business expansion, entrepreneurial development and support, small business development, and new business incentivization.
LOUISIANA	CLHG-ACADIAN LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/03/19	10,000,000	0	0	The purpose of the loan is to provide loan-term financing for a commercial property located at Eunice, LA to be used as a hospital facility. Funds will be used for working capital ($2,463,070), the refinance of debt owed to LifePoint Health and First Guaranty Bank ($6,986,930), and fees & cost associated with this loan (550,000).
LOUISIANA	CLHG-VILLE PLATTE, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/03/19	10,000,000	0	0	The purpose of the loan is to provide loan-term financing for a commercial property located in Ville Platte, LA to be used as a hospital facility. Funds will be used for working capital ($94,869), the refinance of debt owed to LifePoint Health and First Guaranty Bank ($9,355,131), and fees & cost associated with this loan (550,000).
LOUISIANA	CORNERSTONE FABRICATORS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	04/17/19	2,900,000	0	0	
LOUISIANA	DESOTO RETIREMENT & REHAB CENTER LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/15/19	0	5,521	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED Lights. This project will realize $9,355 per year in savings, and will save 93,558 kWh of electricity per year (77%) which is enough electricity to power 09 homes.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
LOUISIANA	ELMER CANDY CORPORATION	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/22/19	0	48,537	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lights. This project will realize $69,852 per year in savings, and will save 873,156kWh of electricity per year (57%) which is enough electricity to power 81 homes.
LOUISIANA	FREMIN FURNITURE INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/15/19	0	4,529	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $5,921 per year in savings, and will save 51,045 kWh of electricity per year (62%) which is enough electricity to power 5 homes
LOUISIANA	GAME EQUIPMENT, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/30/19	0	12,935	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $23,815 per year in savings, and will save 263,500 kWh of electricity per year (48%) which is enough electricity to power 24 homes.
LOUISIANA	GRKC FARMS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	08/01/19	0	63,540	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of roof. This project will realize $16,070 per year in savings, and will save 178,558 kWh of electricity per year (%) which is enough electricity to power 16 homes.
KENTUCKY	JAMES ELMWOOD REPAIR & MAINTENANCE, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/11/19	10,000,000	0	0	This Rural Development investment will be used to refinance existing for better terms and cash flow to save 39 jobs at a $26.20 per hour average wage and will deliver vessel repair and maintenance in an area hit with FEMA 4428 DR (flooding).
LOUISIANA	KAYSER REAL ESTATE DEVELOPMENT, LP	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/20/19	0	7,304	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $5,913.48 per year in savings, and will save 59,135 kWh of electricity per year (72%) which is enough electricity to power 5 homes.
LOUISIANA	KINDER RETIREMENT & REHAB CENTER, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/15/19	0	12,533	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of roof. This project will realize $11,754 per year in savings, and will save 131,213 kWh of electricity per year (73%) which is enough electricity to power 12 homes.
LOUISIANA	LEESVILLE REAL ESTATE HOLDING, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/03/19	9,500,000	0	0	The purpose of the loan is to provide loan-term financing for a commercial property located in Leesville, LA to be used as a hospital facility. Funds will be used for real estate improvements ($1,500,000), working capital ($4,248,857), the refinance of debt owed to Freedom Bank and National Healthcare of Leesville, Inc. ($3,356,643), and fees & cost associated with this loan (394,500).
LOUISIANA	LEMOYEN MILL & TIMBER, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	08/01/19	0	92,479	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of roof. This project will realize $82,837 per year in savings, and will save 753,070 kWh of electricity per year (%) which is enough electricity to power 69 homes.
LOUISIANA	MABILE'S TRUCKING, INC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	08/01/19	0	19,949	0	0
LOUISIANA	MADCON CORPORATION	BI	GUARANTEED B&I 3% FEE LOAN	11/01/18	4,860,000	0	0	0
LOUISIANA	MANSFIELD NURSING CENTER, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/15/19	0	10,117	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lightings. This project will realize $13,017 per year in savings, and will save 118,340 kWh of electricity per year (75%) which is enough electricity to power 11 homes.

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LOUISIANA	MCDANIEL FOOD MANAGEMENT, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/20/19	0	14,700	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $19,379 per year in savings, and will save 193,789kWh of electricity per year (52%) which is enough electricity to power 18 homes.
LOUISIANA	MCDANIEL FOOD OF ALEXANDRIA, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/15/19	0	10,085	0	Rural Development funds will be used to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $17,503 per year in savings, and will save 175,033 kWh of electricity per year (56%)which in enough electricity to power 16 homes.
LOUISIANA	MCLAWRENCE FOODS, LLC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/20/19	0	4,892	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED Lighting. This project will realize $10,418 per year in savings, and will save 82,934 kWh of electricity per year (47%) which is enough electricity to power 8 homes.
LOUISIANA	NOVA WORKFORCE INSTITUTE OF NE LA, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	82,369	0	Funds will be used to continue provide technical assistance to develop 10 small and emerging businesses in five Northeast Louisiana rural parishes (counties) by continuing and deepening a rural learning program that provided eductional instruction and job training instruction related to potential employment or job advancements for adult students as described in 7 CFR Parts 4280.417 (a)(2)(vi). The project will assist small and emerging businesses within the rural parishes of East Carroll, Madison, Morehouse, Richland and West Carroll. These include the towns of Lake Providence, Tallulah, Bastrop, Oak Grove and Rayville/Delhi, respectively where services will be provided for those parishes.
DISTRICT OF	REG GEISMAR, LLC	BIOR	GUAR BIOREFINERY ASST PROGRAM - FIXED RATE	09/30/19	75,000,000	0	0	
DISTRICT OF	REG GEISMAR, LLC	BIOR	GUAR BIOREFINERY ASST PROGRAM - FIXED RATE	09/30/19	50,000,000	0	0	
DISTRICT OF	REG GEISMAR, LLC	BIOR	GUAR BIOREFINERY ASST PROGRAM - FIXED RATE	09/30/19	50,000,000	0	0	
DISTRICT OF	REG GEISMAR, LLC	BIOR	GUAR BIOREFINERY ASST PROGRAM - FIXED RATE	09/30/19	75,000,000	0	0	
LOUISIANA	RFI, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/01/18	4,438,000	0	0	
LOUISIANA	ROSEPINE RETIREMENT & REHAB CENTER LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/21/19	0	12,859	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of roof. This project will realize $13,382 per year in savings, and will save 131,213 kWh of electricity per year (77%) which is enough electricity to power 12 homes.
LOUISIANA	S & W WHOLESALE FOODS LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/20/19	0	34,020	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $34,249 per year in savings, and will save 342,491 kWh of electricity per year (36%) which is enough electricity to power 32 homes.
LOUISIANA	SABINE RETIRENMENT & REHAB CENTER LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/21/19	0	18,974	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $14,717 per year in savings, and will save 147,179 kWh of electricity per year (65%) which is enough electricity to power 14 homes.
LOUISIANA	SOUTHERN HOME FURNISHING, INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/20/19	0	21,105	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to purchase a 46 kW Solar System and install on roof. This project will realize $7,513per year in savings, and will replace 68,307 kWh of electricity per year which is enough electricity to power 6 homes.

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LOUISIANA	SOUTHERN TANK TESTERS, INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/15/19	0	2,342	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $2,180 per year in savings, and will save 15,576 kWh of electricity per year (97%) which is enough electricity to power 1 home.
LOUISIANA	SOUTHLAND DODGE CHRYSLER JEEP LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/20/19	0	10,837	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $20,624 per year in savings, and will save 187,497 kWh of electricity per year (83%) which is enough electricity to power 17 homes.
LOUISIANA	ST. MICHAEL PFU, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/21/19	0	6,041	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $5,158 per year in savings, and will save 51,586 kWh of electricity per year (70%) which is enough electricity to power 5 homes.
LOUISIANA	SUPERIOR SHIPYARD & FABRICATION, INC.	BI	GUARANTEED B&I 3% FEE LOAN	06/18/19	7,150,000	0	0	0
LOUISIANA	TALLULAH CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	100,000	0	Funds will be used to facilitate the completion for a national distribution center, a commercial park, retail, industrial development and an intermodal tranfer/transportation center, which will assist small and emerging businesses within the defined geographical area Target Area comprised of Est Carroll, Madison and Tensas Parish, Louisiana. The City of Tallulah is in the planning phase of developing 250 acreas of land, it presently owns, to provide infrastructure for the development.
LOUISIANA	THOMA-SEA MARINE CONSTRUCTORS, LLC.	BI	GUARANTEED B&I 3% FEE LOAN	05/09/19	25,000,000	0	0	0
LOUISIANA	UNIVERSITY OF LOUISIANA AT LAFAYETTE	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	260,631	0	Funds will be used to conduct feasibility study on the seafood industry, develop business/community economic development plants, and engage stakeholders (economic developers, elected officials, entrepreneurs, business owners, etc.) within the RSL region that includes St. Bernard, Plaquemines, and rural Jefferson Parishes
LOUISIANA	UNIVERSITY OF LOUISIANA AT MONROE	DLHT	DELTA HEALTH CARE SERVICES GRANT	05/02/19	0	597,274	0	The objective of this project is to establish a telemedicine pediatric hypertension service based on collaborative drug therapy management (CDTM) between a pharmacist provider and pediatric cardiologist physicians. Patients with pediatric hypertension who are referred to the existing cardiology service will be seen by a cardiologist and nephrologist for diagnosis and a determination of the course of therapy. The therapy will then be managed by a pharmacist, who will have the ability under the CDTM protocol to order laboratory tests, adjust medications and doses, and provide education to patients and families. This project with service the Parishes of Union, Morehouse, West Carroll, East Carroll, Lincoln, Ouachita, Richland, Madison, Jackson, Caldwell, Franklin, and Tensas.
LOUISIANA	VILLE PLATTE IRON WORKS, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/15/19	0	9,448	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lights to a commercial facility that is approximately 23,361 square feet. All fluorescent and incandescent lights will be retro fitted or replaced using energy efficient LED lighting. This project will realize $17,994.00 per year in savings, and will save 179948 kWh of electricity per year (50%) which is enough electricity to power 17 homes.
LOUISIANA	WESTPORT, L.L.C.	BI	GUARANTEED B&I 3% FEE LOAN	07/30/19	25,000,000	0	0	0
LOUISIANA	WESTWOOD MANOR NURSING HOME, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/21/19	0	11,648	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $13,121 per year in savings, and will save 131,213 kWh of electricity per year (77%) which is enough electricity to power 12 homes.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
LOUISIANA	WETLAND EQUIPMENT COMPANY INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/20/19	0	8,750	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $11,112 per year in savings, and will save 79,373 kWh of electricity per year (76%) which is enough electricity to power 7 homes.
MAINE	32 LOVERS LANE LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/12/19	0	20,000	0	This Rural Development investment will be used to purchase and install a 67.62 kW Solar PV ground-mounted system. Annual energy production is projected at 90,223 kWh replacing over 99% of electrical demands for this rural small business.
MAINE	487 DEVELOPMENT CORPORATION LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/18/19	0	13,738	0	This Rural Development investment will be used to purchase and install a 34.2 kW solar PV system. Annual energy production is projected at 33,908 kWh saving over 47% of electrical demands for this rural small business.
MAINE	650 CAPE ROAD HOLDINGS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	11,371	0	This Rural Development investment will be used to purchase and install a 20.16 kW solar PV array to benefit this small business. 650 Cape Road Holdings, LLC is a real estate holding company owning and leasing property. Tower Publishing, a leading independent publisher of legal and business books in the New England area, will benefit from this solar installation. This project will replace 16,353 kWh (77%) and realize $2,584 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MAINE	A.V. COLE, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	14,215	0	This Rural Development investment will be used to purchase and install a 24.96 kW solar PV array to benefit this family owned business. Andy's Agway supplies the local area with livestock feed, hay, animal bedding and pet food and supplies along with farm equipment, gardening tools and vegetable and flower seedlings. This project will realize $2,700 in savings per year and generate 28,861 kWh annually, replacing all of the business energy needs. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MAINE	ANDROSCOGGIN VALLEY CNCL/GOVTS	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	20,840	0	establish a RLF & provide technical assistance. Will assist 3 small businesses.
MAINE	ANDROSCOGGIN VALLEY CNCL/GOVTS	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	77,811	0	Funds to be used to capitalize a rural microloan revolving fund and provide technical assistance to rural microentrepreneurs and microenterprises.
MAINE	AVENA BOTANICALS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	14,385	0	This Rural Development investment will be used to purchase and install a 15.36 kW solar PV array to benefit this small business. Avena Botanicals is an herbal apothecary that grows and produces botanical products along with providing training in traditional herbal medicine. This project will realize $3,256 in savings per year and generate 20,932 kWh annually, replacing all of the business energy needs. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MAINE	BALFOUR FARM, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/27/19	0	11,362	0	This Rural Development investment will be used to purchase and install a 9.6 kW solar PV array. Balfour Farm, LLC is a small certified organic dairy and farmstead creamery. They produce organic yogurts and cheese, pastured pork and beef and farm fresh eggs. This project will replace 7,538 kWh (4.93%) and realize $10,347 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MAINE	BROOKS INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	50,000	0	Project funds will be used to purchase and install a 115.9 kW Solar Electric roof-mounted system. This project will replace 123,877 kWh (86%) and realize $16,104 in savings per year.
MAINE	BROWN ENTERPRISES, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	27,500	0	Project funds will be used to purchase and install a 56.88 kW Solar Electric roof-mounted system. This project will realize $8,706 in savings per year and generate 66,968 kWh annually, replacing all the business energy needs.
MAINE	CHISHOLM SKI CLUB ASSOCIATION, INC.	RBEG	RBCS ENTERPRISE GRANTS	06/03/19	0	14,914	0	This Rural Development investment will be used by Chisolm Ski Club to purchase Nordic trail grooming equipment. This equipment will replace the current undersized equipment that often overheats and creates a dangerous work environment. Having the correct equipment will help Chisolm Ski Club maintain their worldwide reputation for excellence and drive growth in the Town of Rumford. Chisolm Ski Club will assist 3 area businesses. Total project cost is $14,914.

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MAINE	CHLOE ALLEGRA HOLDINGS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/12/19	0	5,568	0	This Rural Development investment will be used to purchase and install a 41.6 kW Solar PV roof-mounted system on a new building. Annual energy production is projected at 46,526 kWh replacing of 95% of electrical demands for this rural small business.
MAINE	COASTAL ENTERPRISES, INC.	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	17,724	0	revolving loan fund & technical assistance grants
MAINE	COMMUNITY CONCEPTS FINANCE CORPORATION	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	56,861	0	Funds will be used to capitalize a rural microloan revolving fund to make microloans & technical assistance to rural microentrepreneurs and microenterprises.
MAINE	COUNTY OF AROOSTOOK	RBEG	RBCS ENTERPRISE GRANTS	06/03/19	0	92,686	0	This Rural Development investment will be used by County of Aroostook to purchase snowmobile trail grooming equipment and lease to Walker Siding Snowmobile Club. This equipment will replace an aging and damaged trail groomer and will allow continued access to area businesses along ITS Trails 81, 75, and 105 during the winter months. County of Aroostook will assist 6 area businesses. Total project cost is $236,543.
MAINE	CRANBERRY ISLES FISHERMAN'S CO-OP	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/11/19	0	31,047	0	This Rural Development investment will be used for the purchase and installation of a 45.36 kW Solar Electric roof-mounted system. Cranberry Isle Lobster harvests and ships everywhere from restaurants to seafood distributors to the family dinner table. This project will realize $8,020 in savings per year and generate 51,088 kWh annually, replacing all the business energy needs. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MAINE	EASTERN ME DEV CORP	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	82,768	0	Fufnds to be used to capitalize a Rural Microloan Revolving Fund to make microloans and provide technical assistance to rural microentrepreneurs and microenterprises.
MAINE	EDWIN PELLETIER AND SONS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	37,710	0	Project funds will be used to purchase and install a 61.6 kW Solar PV ground-mounted system. This project will replace 74,237 kWh (95%) and realize $10,393 in savings per year.
MAINE	FOGTOWN BREWING COMPANY, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	9,750	0	This Rural Development investment will be used to purchase and install a 17.4 kW solar PV array to benefit this small business. Since 2017, Fogtown Brewing Company, LLC has been crafting their own variety of beers using Maine-grown berries, hops and oats and hosting community friendly entertainment. This project will replace 20,768 kWh (76%) and realize $3,634 in savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MAINE	FOREIGN AUTOWORKS, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	15,761	0	This Rural Development investment will be used to purchase and install a 24.09 kW solar PV array to benefit this small business. Foreign Autoworks, Inc has been providing automobile and light truck repairs services for over 43 years in Southern Maine. This project will realize $3,924 in savings per year and generate 27,149 kWh annually, replacing all of the business energy needs. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MAINE	GATEWAY SNOWMOBILE CLUB, INC.	RBEG	RBCS ENTERPRISE GRANTS	06/03/19	0	99,900	0	This Rural Development investment will be used by Gateway Snowmobile Club, Inc to purchase snowmobile trail grooming equipment. This equipment will replace an aging and malfunctioning trail groomer. The upgrade will help the club remain the economic backbone of the community as it will allow continued access to area businesses during the winter months. Gateway Snowmobile Club, Inc will assist 5 area businesses and save a total of 3 area jobs. Total project cost is $254,081.
MAINE	JR FABRICATION	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/12/19	0	20,000	0	This Rural Development investment will be used to purchase and install a 42.24kW Solar PV system on a new building.
MAINE	LEAVITT FARMS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	89,615	0	Project funds will be used to purchase and install a 153 kW Solar pv ground-mounted system. This project will realize $35,900 in savings per year and generate 274,963 kWh annually, replacing all of the business energy needs.
MAINE	LEE S WILBUR & CO	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/12/19	0	13,475	0	Project funds will be used to purchase and install a 21.56 kW Solar PV roof-mounted system. Annual energy production is projected at 26,429 kWh replacing over 54% of electrical demands for this rural small business.

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MAINE	LUBEC BREWING COMPANY LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/20/19	0	34,456	0	Project funds will be used to install a 42 kW solar PV ground-mounted system. This project will realize $5,485in savings per year and generate 50,220 kWh annually, replacing all of the business energy needs.
MAINE	MAINE BEER COMPANY LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/20/19	0	90,878	0	Project funds will be used to purchase and install a 193.71 kW Solar Electric roof-mounted system. This project will replace 223,762 kWh (51%) and realize $33,027 in savings per year.
MAINE	MAINE POTATO GROWERS INC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	03/28/19	89,500	0	0	Maine Potato Grower's is a diversified farmer's supply and marketing cooperative located in Presque Isle, ME. MPG has provided vital products and services to their customers since 1932. Through recent business restructuring, they have streamlined their products and services to truck and tractor, lubricants, grain and a small potato sales division. Project funds will be used to refinance an existing line of credit and improve cash flow using affordable amortization terms with a new lender, saving this business from forced liquidation and saving 23 well-paying rural jobs.
MAINE	MAINE POTATO GROWERS INC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	03/28/19	1,156,000	0	0	Maine Potato Grower's is a diversified farmer's supply and marketing cooperative located in Presque Isle, ME. MPG has provided vital products and services to their customers since 1932. Through recent business restructuring, they have streamlined their products and services to truck and tractor, lubricants, grain and a small potato sales division. Project funds will be used to refinance an existing line of credit and improve cash flow using affordable amortization terms with a new lender, saving this business from forced liquidation and saving 23 well-paying rural jobs.
MAINE	MAINE POTATO GROWERS INC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	03/28/19	250,000	0	0	Maine Potato Grower's is a diversified farmer's supply and marketing cooperative located in Presque Isle, ME. MPG has provided vital products and services to their customers since 1932. Through recent business restructuring, they have streamlined their products and services to truck and tractor, lubricants, grain and a small potato sales division. Project funds will be used to refinance an existing line of credit and improve cash flow using affordable amortization terms with a new lender, saving this business from forced liquidation and saving 23 well-paying rural jobs.
MAINE	MORNINGSTAR MARBLE AND GRANITE INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	60,000	0	Project funds will be used to purchase and install a 161.28 kW Solar PV roof-mounted system. This project will replace 171,112 kWh (92%) and realize $22,245 in savings per year.
MAINE	NORTHERN MAINE DEV	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	85,024	0	Funds are for a revolving loan fund, technical assistance grant.
MAINE	POC LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	92,839	0	Project funds will be used to purchase and install a 171 kW Solar PV ground-mounted system. This project will realize $18,515 in savings per year and generate 205,420 kWh annually, replacing all of the business energy needs.
MAINE	SEBASTICOOK VALLEY SNOWMOBILE CLUB	RBEG	RBCS ENTERPRISE GRANTS	06/03/19	0	97,500	0	This Rural Development investment will be used by Sebasticook Valley Snowmobile Club to purchase snowmobile trail grooming equipment. This equipment will replace an old and maintenance heavy trail groomer. This equipment will allow continued access to area businesses during the winter months. Sebasticook Valley Snowmobile Club will assist 7 area businesses and save a total of 11 area jobs. Total project cost is $204,072.
MAINE	SHAWNEE PEAK HOLDINGS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	12,991	0	This Rural Development investment will be used for the purchase and installation of a 20.48 kW roof-mounted solar array. Shawnee Peak Holdings, LLC owns and operates a Shawnee Peak, a ski recreational facility in operation for over 80 years. This project will realize $3,675 in savings per year and generate 22,971 kWh annually, replacing all the business energy needs. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MAINE	SHEEPSCOT GENERAL LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	26,750	0	Project funds will be used to purchase and install a 54.6 kW Solar PV roof-mounted system. This project will replace 70,856 kWh (74%) and realize $9,636 in savings per year.

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MAINE	SONGBIRD FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	4,746	0	This Rural Development investment will be used to purchase and install a 13.44 kW solar PV array to benefit this small business. Songbird Farm, LLC is a small certified organic mixed vegetable and grain farm. Their products are sold primarily to wholesale markets, local natural food stores and coops and a regional distributor. This project will realize $1,534 in savings per year and generate 15,845 kWh annually, replacing all of the business energy needs. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MAINE	SOUTHERN AROOSTOOK DEVELOPMENT CORP	RBEG	RBCS ENTERPRISE GRANTS	06/03/19	0	50,000	0	This Rural Development investment will be used by Southern Aroostook Development Corporation to purchase a Shrink Wrapping System and lease it to Laboratory Feeds of Maine. This equipment is vital to providing the better than food-grade specialized feed required by laboratory mice. Southern Aroostook Development Corporation will assist 5 area businesses and help create a total of 10 area jobs. Total project cost is $50,000.
MAINE	SOUTHERN AROOSTOOK DEVELOPMENT CORP	RBOG	RBCS DEVELOPMENT GRANT	06/03/19	0	30,000	0	This Rural Development investment will be used to conduct a laboratory animal feed analysis and market assessment. This comprehensive study will include an environmental scan, crop assessment, value-chain analysis, industry trend analysis, global market analysis, and a competitive analysis. This study will provide the foundation for the economic potential and growth of animal feed production in Southern Aroostook County. This project will assist at least 5 area businesses. Total project cost is $42,408.
MAINE	THE BAKER COMPANY INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/11/19	0	18,146	0	Project funds will be used to purchase and install a 219.52 kW Solar PV roof-mounted system. This project will replace 241,958 kWh (15%) and realize $31,455 in savings per year.
MAINE	THE MILKHOUSE, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	36,393	0	Project funds will be used to purchase and install a 72 kW Solar PV roof-mounted system. This project will realize $10,249 in savings per year and generate 71,410 kWh annually, replacing all of the business energy needs.
MARYLAND	ALLEGANY COLLEGE OF MARYLAND	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	61,775	0	This Rural Development investment will be used to fund the expansion of rural learning programs that provide educational instruction and job training related to potential employment or job advancements for adult students. Allegany College is upgrading the technology in three classrooms at the Center for Continuing Education. The classrooms are used for small business development and training. The investment will benefit the students and businesses who utilize the Center for recruitment and job training. The purpose of this funding program is to support targeted technical assistance, training, and other activities leading to the development or expansion of small and emerging private businesses in rural areas.
MARYLAND	ALLEGANY COUNTY, CNTY COMMISSIONERS	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	44,000	0	This Rural Development investment will be used to provide equipment and furnishings for the Western Maryland Works - Makerspace in LaVale, MD. Allegany County will use the grant funds to outfit four incubator sites for startup businesses. The investment will benefit business owners by giving them access to tools needed to develop innovative products. The space will include machinery and tools for fabrication, as well as shared business services. Additional funding for this project includes $520,000 from Allegany County, $360,000 from the State of Maryland, and $175,000 from the Rural Maryland Council. The purpose of this funding program is to support targeted technical assistance, training, and other activities leading to the development or expansion of small and emerging private businesses in rural areas.
KENTUCKY	APPALACHIAN REGIONAL COMMISSION	RBOG	APPROPRIATED APPALACHIAN REGIONAL COMMISSION GRANTS - RBP	07/11/19	0	1,521,027	0	Rural Development (the Agency) through the Rural Community Advancement Program (RCAP) and earmarked for use by Appalachian Regional Commission (ARC) to provide assistance to businesses and residents located in the designated counties in thirteen states (Alabama, Georgia, Kentucky, Maryland, Mississippi, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia and West Virginia). The proposed project is for comprehensive regional economic development planning in rural areas, leadership planning and to fund projects eligible under the Rural Business Development Grant (RBDG) and Community Facility Grant programs. The grant will be administered by the USDA-Rural Development office which oversees the programs of the Rural BusinesCooperative Service (RBS).

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
KENTUCKY	APPALACHIAN REGIONAL COMMISSION	ARC	PERSISTENT POVERTY RBCS RCAP GRANTS TO APPALACHIAN REGIONAL COMMISSION - BUSINESS & INDUSTRY	07/11/19	0	1,478,972	0	Rural Development (the Agency) through the Rural Community Advancement Program (RCAP) and earmarked for use by Appalachian Regional Commission (ARC) to provide assistance to businesses and residents located in the designated counties in thirteen states (Alabama, Georgia, Kentucky, Maryland, Mississippi, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia and West Virginia). The proposed project is for comprehensive regional economic development planning in rural areas, leadership planning and to fund projects eligible under the Rural Business Development Grant (RBDG) and Community Facility Grant programs. The grant will be administered by the USDA-Rural Development office which oversees the programs of the Rural Busines/Cooperative Service (RBS).
MARYLAND	CAMP WAREDACA, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	8,617	0	This Rural Development investment will be used for the purchase and installation of a 10.4 kW solar arrays at Camp Waredaca. The camp is a full service horse boarding and training facility. This project will replace 13,908 kWh (100%) per year and realize $1,886.83 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to this operations.
MARYLAND	CARROLL COMMUNITY COLLEGE FOUNDATION	RBEG	RBCS ENTERPRISE GRANTS	07/22/19	0	45,275	0	This Rural Development investment will be used to fund the expansion of rural learning programs that provide educational instruction and job training related to potential employment or job advancements for adult students. Carroll Community College is expanding their existing Commercial Unmanned Aerial Systems (UAS) Pilot Workforce Training Certificate, which provides students with the opportunity to train for a career as a small UAS pilot. With this grant funding they will purchase two drones that will be used with the job training. The purpose of this funding program is to support targeted technical assistance, training, and other activities leading to the development or expansion of small and emerging private businesses in rural areas. Carroll Community College Foundation received a $32,000 RBDG Grant in 2017 to purchase educational equipment for their Emergency Medical Services program.
MARYLAND	CHESAPEAKE BAY DAIRY, LLC.	VAPG	VALUE-ADDED PRODUCER DVLP GRANTS-DISCR	01/31/19	0	250,000	0	This Rural Development investment will be used to help agricultural producer to process and market the value-added products. This project will help produce and market value-added sour cream and regular and Greek style yogurt at a dairy plantation farm located in Worcester County, MD. Chesapeake Bay Dairy has been a family-owned farm for over 70 years and has continued traditions for four generations. The dairy farm needs funds to help expand its market of locally-produced products and maximize economic return by effectively utilizing all components of the milk processing. Three jobs are job expected to be created and one job saved. Additional funding includes $292,271 in applicant contribution. The total project cost is $542,271.
MARYLAND	CHOPTANK CORNER, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/20/19	0	4,083	0	This Rural Development investment will be used for the purchase and installation of a 10.24 kW roof mount solar array. Choptank Corner, LLC is a small business that operates a laundromat in Cambrdige, Maryland. This project will realize $1,383 per year in savings and will replace 11,533 kWh of electricity per year (100%), which is enough electricity to power 1 home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Additional funding sources include the Maryland Energy Administration Commercial Clean Energy Grant for $614 and an Applicant Contribution of $17,761 for a total project cost of $24,500.
MARYLAND	COMMUNITY DEVLP TRANS LENDING SERVICE	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/26/19	0	47,400	0	Rural Development funds will be used to capitalize a microloan revolving loan fund to make microloans to rural microentrepreneurs and microenterprises. This particular project is targeted to serve specifically identified underserved rural counties in Alabama (18 counties), Louisiana (16 counties), Mississippi (19 counties), and New Mexico (6 counties).

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MARYLAND	COMMUNITY TRANS-PORTATION ASSN.	RBOG	RBCS TRANSPORTATION - NATIVE AMERICAN GRANT	06/21/19	0	250,000	0	Rural Business Development Grant Funds will be used in Penobscot, ME to develop a tribal transit program. The transit program will create a new tribal business enterprise, which will create jobs. The new travel system will facilitate travel on the reservation and connect with the Bangor Community Connector. The connection will provide further access to extended destinations, which will allow for travel outside the reservation for job opportunities. In Seneca Nation, NY the funds will be used to expand the existing transit system to improve access to businesses. In Hopi Tribe, AZ the funds will be used to assist the existing struggling transit system by accessing needs and developing an improvement plan. This is a 100% Grant awarded from Rural Development in the amount of $250,000. No additional funding noted in file.
MARYLAND	CRISFIELD, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/22/19	0	50,000	0	This Rural Development investment will be used to obtain consultant assistance with marketing small businesses in the Arts & Entertainment District within the City of Crisfield. There are 155 commercial and/or office space businesses within City limits and this grant funding will be used to develop a marketing and implementation plan for those storefront businesses to attract visitors and drive tourism dollars directly to Crisfield businesses. The purpose of this funding program is to support targeted technical assistance, training, and other activities leading to the development or expansion of small and emerging private businesses in rural areas.
MARYLAND	EASTERN SHORE ENTREPRENEURSHP CTR	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/26/19	0	40,530	0	0
MARYLAND	FLINTROCK CORPORATION	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/29/19	0	61,250	0	This Rural Development investment will be used for the purchase and installation of a 143.22 kW roof mounted solar array. Flintrock Farms, LLC is a poultry farm in Queen Anne's County Maryland, will realize $24,681 per year in savings and will replace 178,853 kWh of electricity per year (71%). Flintrock Farms, LLC a company owned by Daniel Heller located in Pennsylvania. All proceeds of the farm income is filed under Flintrock Corporation which is located in Maryland. This project will give enough electricity to power 16 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements.
MARYLAND	FLORENCE GERMAIN	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/18/19	0	29,568	0	This Rural Development Investment will be used for the purchase and installation of a 72.45 kW solar array on the farm of AOPF Stables LLC. This project will replace 55,401 kWh (116%) and realize $6,970 of saving per year. This purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MARYLAND	GOTHAM GREENS BALTIMORE, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/27/19	9,000,000	0	0	This Rural Development loan guarantee investment will be used to provide permanent, long-term equipment financing and working capital to a newly established urban business specializing in processing, distributing and marketing locally produced agricultural food products. This project is an expansion of Gotham Greens' existing business model to the Baltimore area and is being funded under the Local and Regional Food System Initiative. Funds will be used for debt refinance, working capital, and associated loan costs and fees. This debt refinance is expected to improve cash flow and support the creation of 60 jobs by 2021. Additional funding for this project includes a borrower contribution of approximately $2,300,000.
MARYLAND	KENT, COUNTY COMMISSIONERS OF	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	30,000	0	This Rural Development investment will be used to support a Rural Technical Capacity Training (RTCT) Program to foster economic development in the region b partnering with a software distributor to access tools in cyber security.
MARYLAND	LATINO ECONOMIC DEV	IRP	INTERMEDIARY RELENDING PROGRAM	09/24/19	0	0	240,000	This Rural Development investment will be used to replenish revolving loan funds used by businesses in rural communities. Latino Economic Development Corporation will capitalize an existing revolving loan fund that serves rural Maryland (Calvert, Charles, Frederick, Harford, Montgomery, Prince Georges, St. Mary s, Talbot and Washington counties) and anticipates deploying loan funds to 12 ultimate recipients with an average loan size of $20,000. The business owners will be able to use the funds for working capital and/or to expand their business.

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MARYLAND	M.S. JOHNSTON CO., INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/20/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 50.22 kW roof mount solar array. M.S. Johnston Company, a small business that specializes in commercial sales and repairs of numerous mechanical and registration equipment, will realize $12,928 per year in savings, and will replace 60,665 kWh (100%) per year. This project will save enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MARYLAND	MAIN STREET HISTORIC CHESTERTOWN	RBOG	RBCS DEVELOPMENT GRANT	07/25/19	0	35,000	0	This Rural Development investment will be used to implement a Business Intervention, Retention, and Expansion Program in downtown Chestertown to help revitalize and transform the area into a destination for residents and tourists. Funds will be used to provide direct technical assistance to local restauranteurs and retailers in an effort to retain/revitalize existing operations, create jobs, and attract new businesses downtown. The additional funding is from the applicant, Main Street Historic Chestertown. The purpose of this funding program is to fund business opportunity and enterprise projects that serve rural areas.
MARYLAND	MARYLAND CAPITAL ENTERPRISES, INC.	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/27/19	0	96,039	0	Rural Development Loan funds will be used to capitalize a Rural Microloan Revolving Fund to make microloans to rural microentrepreneurs and microenterprises. This projects targeted areas include the rural counties of Caroline, Dorchester, Kent, Somerset, Queen Anne, Talbot, Wicomico and Worcester counties as well as the rural areas of Anne Arundel and Baltimore counties.
MARYLAND	MARYLAND, STATE OF	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	36,000	0	This Rural Development investment will be used to provide assistance and training to pre-identified licensed stable owners, located in rural areas of five Maryland counties including Carroll, Charles, Frederick, Harford and Queen Anne's Counties. Stable owners will learn how to market and expand their business. Successful marketing and expansion will result in supporting and creating new jobs. The purpose of this funding program is to fund various business opportunity and enterprise projects that serve rural areas.
MARYLAND	MOON GROUP, INC.	BI	GUARANTEED B&I 3% FEE LOAN	03/29/19	10,000,000	0	0	This Rural Development loan guarantee investment will be used to provide long-term real estate and capital equipment financing to a rural wholesale nursery business specializing in landscaping and site management services. The rural small business has been in existence for over 16 years and has subsidiaries with more than 40 years of operational history. Funds will be used for debt refinance, working capital, and associated loan costs and fees. This debt refinance is expected to improve cash flow and retain 266 jobs in Chesapeake City, Maryland. This rural community has a population of 451 and a median household income of $55,500. Additional funding for this project includes a $5,000,000 loan from the U.S. Small Business Administration. The rural small business has been in existence for over 16 years, and has affiliates with more than 40 years of operational history. Additional funding includes a $5,000,000 SBA Loan.
MARYLAND	NADO RESEACH FOUNDATION	RBEG	RBCS RBEG TRANSPORTATION - REGULAR GRANT	07/10/19	0	456,032	0	This Rural Development grant investment will be used to provide technical assistance and training to rural communities to improve passenger transportation services or facilities. Funds will be focused on projects in Arkansas (Counties of Crawford, Franklin, Logan, Polk, Scott, and Sebastian), the Ark-Tex Region (Counties of Bowie, Cass, Delta, Franklin, Hopkins, Lamar, Morris, Red River, and Titus), Georgia (Counties of Burke, Glascock, Hancock, Jefferson, Lincoln, McDuffie, Screven, Taliaferro, Warren, Washington, and Wilkes), Maine (Aroostook County), Oklahoma (Counties of Leflore and Sequoyah), and Washington (Yakima County).
MARYLAND	NADO RESEACH FOUNDATION	RBEG	RBCS RBEG TRANSPORTATION - REGULAR GRANT	09/24/19	0	500,000	0	This Rural Development grant investment will be used to provide technical assistance and training to rural areas to improve passenger transportation services or facilities. Funds will be focused on projects in Kentucky Counties of Clay, Floyd, Jackson, Johnson, Laurel, Magofinn, Martin and Rockcastle and New Mexico counties of Colfax, Mora, Rio Arriba and Taos.
MARYLAND	NADO RESEACH FOUNDATION	RBOG	RBCS TRANSPORTATION - NATIVE AMERICAN GRANT	09/24/19	0	250,260	0	This Rural Development grant investment will be used to provide technical assistance and training to federally recognized native American tribes to improve passenger transportation services or facilities. Funds will be focused on projects in Hopi Reservation, AZ (Counties of Coconino and Navajo), and Fort Belknap, MT (Blaine, County).

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MARYLAND	POCOMOKE CITY	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	12,950	0	This Rural Development investment will be used to hire a consultant who will develop a marketing campaign to promote downtown Pocomoke City businesses. Funds will be used to develop the campaign design and outline, to design and create rack cards, a website, a social media presence, online and print advertising, and for radio promotions. The purpose of this funding program is to fund various business opportunity and enterprise projects that serve rural areas.
MARYLAND	QUINN, JAMES B	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/28/19	0	12,704	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. James B. Quinn is an independent agriculture producer. This project will realize $5,258.84 per year in savings, and will replace 25,673 kWh (67%) per year, which is enough energy to power 3 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small business in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MARYLAND	R & R AQUAFARMS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/04/19	0	46,225	0	This Rural Development investment will be used for the purchase and installation of a 89.1 kW roof mount solar array. R&R Aquafarms, a small rural business that operates a turtle farm, will realize $12,521 per year in savings and will replace 114,525 kWh (100%) per year. This project will save enough electricity to power 10 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MARYLAND	RICE'S INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/20/19	0	7,805	0	This Rural Development investment will be used for the purchase and installation of a 10.725 kW roof mount solar array. Rice's Inc. is a small business that specializes in pest control in Salisbury, Maryland. This project will realize $1,344 per year in savings and will replace 11,296 kWh of electricity per year (100%), which is enough electricity to power 1 home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MARYLAND	SAMUEL T. PARKER	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/14/19	0	118,000	0	This Rural Development investment will be used for the purchase and installation of a 333.27 kW solar array. Samuel T. Parker a family owned farm for grains and poultry houses and will realize $53,778.76 per year in savings, will replace 401,334 kWh (101%) per year. This project will save enough electricity to power 36 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy system, and in making energy-efficiency improvements to their operations.
MARYLAND	SMARTECH ELECTRICAL, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	11,250	0	This Rural Development investment will be used for the purchase and installation of a 12.753 kW roof mounted solar array. Smartech Electrical, Inc. is a main office and warehouse for day to day operations for Smartech Electrical. This project will realize $2,189.43 per year in savings, and will replace 16,218 kWh of electricity per year (127%), which is enough electricity to power 3 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MARYLAND	TEDDY BEAR FRESH PRODUCE LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/11/19	0	44,541	0	This Rural Development investment will be use to make energy efficiency improvements with-the purchase and installation of a new refrigeration unit and LED lighting throughout the store. Teddy Bear Fresh Produce, LLC, is a produce store providing produce/fruit/dairy aggregation for wholesale distribution to regional institutional and retail customers. This project will realize $28,696 per year in savings, and will replace 246,625 kWh (100%) per year, which is enough electricity to power 22 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvement to their operations.
MARYLAND	WILLIAMSON FARMS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/21/19	0	13,260	0	This Rural Development investment will be used for the purchase and installation of a 19.44 kW ground solar array. Williamson Farms, a family-owned chicken farm will generate 28,091 kWh of electricity per year (100%). This project will save enough electricity to power 3 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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MARYLAND	WILSON FARM	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/18/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 58.29 kW ground solar array. Wilson Farm, a family-owned and operated grain farm, will realize $10,089 per year in savings, and will replace 81,300 kWh of electricity per year (100%), which is enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MARYLAND	WOODVALE PARTNERS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/14/19	0	27,336	0	This Rural Development investment will be used for the purchase and installation of a 87.75kW solar array on the farm of Woodvale Partners, LLC. This project will replace 56,311 kWh (107%) per year and realize $6,425.50 of savings per year. The purpose of this funding program is to assist farmers, ranchers and rural small business in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MASSACHUS	ANTANAVICA SOLAR, LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/12/19	1,100,000	0	0	This Rural Development loan guarantee investment will be used to provide permanent, long term financing for the purchase & installation of a 1.3 MW ground-mounted solar electric generating facility. The system will produce 1,770 mwh of energy annually.
MASSACHUS	BARTHOLOMEW FAMILY BOGS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	18,985	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 25.2 kW solar array. This project will realize $2,729 per year in revenue, and will generate 30,000 kWh which is enough electricity to power 2.77 homes.
MASSACHUS	BAYSIDE AGRICULTURAL, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	43,500	0	This Rural Development investment will be used for the purchase and installation of a 73.7 kW solar array. Bayside Agricultural, a local cranberry bog, will realize $14,502 per year in savings, and will replace 85,292 kWh (133 %) per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MASSACHUS	C. N. SMITH FARM INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	16,008	0	This Rural Development investment will be used for the purchase and installation of a 15.84 kW roof mounted solar array. SN Smith Farm will realize $4,198 per year in savings, and will replace 22,450kWh per year. This project will save enough electricity to power 2.07 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MASSACHUS	CAPE & ISLANDS COMM	IRP	INTERMEDIARY RELENDING PROGRAM	06/25/19	0	0	1,000,000	This Rural Development investment will be used to provide low-interest loans to Cape Cod small businesses for the specific purposes of creating and retaining jobs throughout the entire Barnstable county with emphasis on low-to-moderate income and underrepresented group borrowers to promote economic development and the growth of the small business community.
MASSACHUS	CAPE & ISLANDS COMM	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/26/19	0	72,487	0	Grant funds will be used to provide technical assistance along with the revolving loan funds for rural micro loans.
MASSACHUS	CENTER FOR ECOTECHNOLOGY, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	35,000	0	This Rural Development investment will be used to support renewable energy and energy efficient technical assistance through individualized consulting with farms and small businesses. This may include REAP application assistance.
MASSACHUS	CODMAN COMMUNITY FARMS, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	20,000	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 45 kW solar array. This project will realize $8,135 per year in savings, and will replace 51,539 kWh (122 %) per year, which is enough electricity to power 4.76 homes.
MASSACHUS	COMMERCIAL KITCHEN COOP OF CAPE COD, INC	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	20,000	0	This Rural Development Investment will be used to develop a workforce and create employment opportunities for 60 the restaurants and food related businesses by finding and training semi-skilled workers and assisting the culinary entrepreneur with getting their ventures off the ground and to the next level. Jobs created/saved: 20
MASSACHUS	COMMUNITY INVOLVED IN SUSTAINING AGRICU	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	28,000	0	This Rural Development Investment will be used to provide technical assistance in the form of planning, assessment and marketing to a group of farmers through a marketing cooperative.

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MASSACHUS	COONAMESSETT FARM INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	7,304	0	This Rural Development investment will be used for the purchase and installation of a 8.85kW roof-mounted solar array. Coonamesset Farm Inc will realize $1,911 per year in savings, and will replace 10,059kWh per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MASSACHUS	COOPERATIVE DVLPMNT INSTITUTE, INC.	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/25/19	0	174,912	0	This Rural Development Investment will be used to support the implementation and evaluation of cooperative development training and technical assistance for socially-disadvantaged New American, Native American and People of Color groups who are working to develop vegetable, livestock, prepared foods, a food truck and composting businesses in the Northeast. Funds will be used to assist approximately 187 businesses consisting of 170 individuals, 12 groups and 5 cooperatives.
MASSACHUS	COOPERATIVE DVLPMNT INSTITUTE, INC.	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/25/19	0	200,000	0	This Rural Development Investment will be used to improve the economic conditions of rural areas through cooperative development, i.e. create new co-ops and mutually-owned businesses, expand and/or strengthen financing, markets, infrastructure, operations, governance and business fundamentals of existing ones and build networks and resources to support cooperatively structured businesses, in doing so, create 10 and save 50 jobs.
MASSACHUS	DOUBLE EDGE THEATRE PRODUCTIONS, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	16,000	0	This Rural Development Investment will be used to secure planning and installation costs for the new equipment in the kitchen that will serve as a collective creative and cultural output center supporting artists, local organizations and civic groups.
MASSACHUS	FARMER DAVES LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	17,288	0	This Rural Development investment will be used for the purchase and installation of a 31.85kW roof mounted solar array. Farmer Daves will realize $7,316 per year in savings, and will replace 31,810kWh per year. This project will save enough electricity to power 2.94 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MASSACHUS	FIVEFORK FARMS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	19,912	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 24.9 kW solar array. This project will realize $67,939 per year in savings, and will replace 31,226 kWh (132 %) per year, which is enough electricity to power 2.88 homes.
MASSACHUS	FRANKLIN COUNTY CDC	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	18,000	0	This Rural Development Investment will be used to provide technical assistance to entrepreneurs and rural small businesses located throughout the economically disadvantaged communities in the form of training classes, workshops, one-to-one business counseling.
MASSACHUS	FRANKLIN COUNTY CDC	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/26/19	0	73,091	0	the grants funds will be used to provide business-based technical assistance and training to eligible rural micro entrepreneurs in accordance with the original loan approved by USDA Rural Development.
MASSACHUS	LOWER CAPE COD COMMUNITY DEV CORP	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	45,000	0	This Rural Development Investment will be used to continue to provide support to small businesses on the lower Cape Cod to include providing training, technical assistance and other business assistance and guidance regarding business development, business growth and access to capital sources. The Lower Cape Cod suffers from high unemployment, low income, and general economic instability during the off season so this program helps support year round businesses on the Cape. Jobs created: 16 Jobs saved:36
MASSACHUS	MA MUSEUM OF CONTEMPORARY ART FOUNDATION	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	12,000	0	This Rural Development investment will be used to support small and emerging artists and their business, who live in eligible rural areas of Rhode Island, through training and technical assistance related to the stabilization and growth of those businesses. This technical assistance and training is offered through the Assets for Artists program which is delivered at the North Adam campus of MA Museum of Contemporary Art and includes one on one business consulting and classroom education and training in all areas of business development. This program is also supported by the RI State Council of the Arts.

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MASSACHUS	MA MUSEUM OF CONTEMPORARY ART FOUNDATION	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	36,000	0	This Rural Development investment will be used to serve artists in rural communities throughout Connecticut, using the established Assets for Artists toolkit to empower creative entrepreneurs in achieving higher levels of business success. This process includes business development provided through one on one consulting as well as classroom training delivered at the North Adams, MA campus of MA Museum of Contemporary Art. This technical assistance is provided to help these small businesses grow and thrive. This project is also supported by the CT Office of the Arts.
MASSACHUS	MA MUSEUM OF CONTEMPORARY ART FOUNDATION	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	30,000	0	This Rural Development investment will be used to serve artist entrepreneurs who live in rural communities throughout Massachusetts, using the established Assets for Artists toolkit to empower them to achieve higher levels of business success. The Assets for Artists program provides in depth, one on one business consulting and classroom education with regard with establishing, maintaining and growing their art based businesses and helps them navigate the unique issues and problems associated with this field.
MASSACHUS	MOON IN THE POND FARM, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	10,603	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 12.2 kW solar array. This project will realize $2,140 per year in savings, and will replace 16,342 kWh (83%) per year, which is enough electricity to power 1.51 homes
MASSACHUS	NEW ENGLAND BEEKEEPING SUPPLIES, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 40.32 kW roof mounted solar array. New England Beekeeping will realize $9,629 per year in savings, and will replace 47,670kWh per year. This project will save enough electricity to power 4.4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MASSACHUS	NEWVUE COMMUNITIES, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	15,000	0	This Rural Development Investment will be used to support economic development efforts with a focus on farms and the food-based industry through individual technical assistance to develop business plans, marketing plans and financial projections. Businesses assisted 7, jobs saved 7
MASSACHUS	PARROTT, JONATHAN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	19,455	0	This Rural Development investment will be used for the purchase and installation of a 40kW wood chip biomass boiler to replace their non-compliant cord wood boiler. Flat Rock Farm will realize $1,885 per year in savings, and will replace 204,000,000 btu's per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MASSACHUS	QUABOAG VALLEY BUSINESS ASSISTANCE	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/26/19	0	25,454	0	These grant funds will be used to provide technical assistance and training to eligible rural micro entrepreneurs in accordance with the original loan application.
MASSACHUS	SCHRADER, ROBERT W	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	10,134	0	This Rural Development investment will be used for the purchase and installation of a 8.1 kW solar array. Robert Schrader, a sole proprietor Tree Farm, will realize $311 per year in savings, and will replace 1,485 kWh (100%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MASSACHUS	THIRD SECTOR NEW ENGLAND, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	30,000	0	This Rural Development Investment will be used to develop a Feasibility Study on connecting Rhode Island fishermen and seafood processors with local and regional markets which will benefit the economic foundation of the fishing industry.
MASSACHUS	THIRD SECTOR NEW ENGLAND, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	25,000	0	This Rural Development Investment will provide rural small farming businesses assistance with feasibility studies, enterprise planning, loan packaging and connections to other funding sources need to grow their business. jobs created 2, jobs saved 19

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MASSACHUS	TTC ENERGY, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	250,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. TTC Energy LLC is a newly formed company that will manufacture wood chips for sale. Project funds will be used for the purchase and installation of 2 adavanced combustion biomass boiler systems. The boilers will convert low-value green wood into a uniform, energy dense form of wood chip fuel through a drying process. Once fully up & running, this project will generate 11,608,000,000 btu's of energy annual, enough to power 300+ housholds per year.
MASSACHUS	WE GROW MICROGREENS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	6,733	0	This Rural Development investment will be used for the purchase and installation of a 7kW soliculture-paneled array mounted to the glass greenhouse. We Grow Microgreens LLC will realize $1,638 per year in savings, and will replace 8,189 kWh per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	ALMONT, VILLAGE OF	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	56,520	0	
MICHIGAN	ALPINE HOSPITALITY GROUP, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/27/19	2,621,000	0	0	This Rural Development investment will be used to fund the purchase of a Comfort Suites Hotel in Benton Harbor, MI. Because of this transfer of ownership, 22 jobs will be saved in the Benton Harbor community. In addition to the funding provided by the USDA Guarantee, the borrower will be investing over $1,000,000 in funds to ensure the success of this business.
MICHIGAN	AVENUE A PROPERTIES, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 42.84 KW solar PV system to help a rural small business. The real estate holding company is powering their commercial office building with the solar array. This project will realize $9,166 per year in savings, and will replace 54,460 kWH (100%) per year which is enough energy to power 5 homes. Project payback is 9 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	BAYWATCH RESORT LLC	BI	GUARANTEED B&I 3% FEE LOAN	06/17/19	3,470,000	0	0	Expansion of Baywatch Resort. 8 new positions.
MICHIGAN	BEAVERTON CITY OF	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	100,000	0	This Rural Development investment will be used to assist with developing & expanding the City's Industrial Park.
MICHIGAN	BEAVERTON CITY OF	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	100,000	0	This Rural Development investment will be used to assist with the construction of a Farmers Market Pavilion in the Rural City of Beaverton, Michigan.
MICHIGAN	BLISS GARDENS INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	5,819	0	This Rural Development investment will be used for the purchase and installation of a 10 KW roof mounted solar PV system to help an Agricultural Producer. The solar production system will offset electricity usage at the farming site for the small vegetable farm. This project will realize $1,593 per year in savings and will replace 9,243 kWH (100%) per year to become self sufficient. Project payback is 15 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	BLOEMENBERG GROWERS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/16/19	0	35,062	0	This Rural Development investment will be used for the purchase and installation of a 85 KW solar PV system to help an Agricultural Producer. The applicant is a family owned nursery and greenhouse operation that has been in business over 20 years. This project will realize $17,339 per year in savings, and will replace 112,374 kWH (87%) per year which is enough energy to power 10 homes. Project payback is 9 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	BOSCH'S COUNTRY VIEW NURSERY, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	25,935	0	This Rural Development investment will be used for the purchase and installation of a 70 KW roof mounted solar PV system to help an Agricultural Producer. The applicant is a family owned and operated nursery founded in 1979. The main focus of the business is growing quality seedlings and transplants. This project will realize $13,077 per year in savings, and will replace 87,801 kWH (100%) per year which is enough energy to power 8 homes. Project payback is 8 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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MICHIGAN	BRINK TERMINAL SERVICES, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/24/19	0	50,000	0	This Rural Development investment will be used for the purchase and installation of a 149.60 KW solar PV system to help a rural small business. The applicant is a commercial liquid storage terminal operation that has been in business over 22 years. This project will realize $ 31,011 per year in savings, and will replace 220,408 kWH (50%) per year which is enough energy to power 20 homes. Project payback is 9 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	CHARLTON HESTON ACADEMY	BI	GUARANTEED B&I 3% FEE LOAN	06/21/19	5,342,000	0	0	
MICHIGAN	CHART HOUSE ENERGY INVESTMENT FUND, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	14,603	0	This Rural Development investment will be used for the purchase and installation of a 27 KW solar PV system to help a rural small business. The applicant is a small solar electric power generation business that is generating electricity to be sold and provided for a rural municipality building. This project will realize income of $5,831 per year and will generate 33,701 kWH per year. Project payback is 11 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	CHIKAMING TOWNSHIP	RBEG	RBCS ENTERPRISE GRANTS	07/15/19	0	70,000	0	This Rural Development investment will be used to fund the design and engineering for infrastructure and streetscape improvements to Union Pier's business corridor. The project is a partnership between Chikaming Township, New Buffalo Township and Berrien County for improvement to Red Arrow Highway through Union Pier. The plans being funded with this grant will be used towards the final reconstruction of Red Arrow Highway and are anticipated to create a year-round destination for small businesses in the area creating 20 new jobs.
MICHIGAN	CHRISTOFF COMMERCIAL PROPERTIES, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	16,853	0	This Rural Development investment will be used for the purchase and installation of a 20.40 kW solar PV system to generate energy for a rural small business. The applicant is a real estate development company that recently purchased and is improving a commercial warehouse building in an economically depressed area. This project will realize $3,795 per year in savings and will generate 26,878 kWH per year. Project payback is 18 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	COLLIA PROPERTIES, LLC	BI	GUARANTEED B&I 3% FEE LOAN	05/07/19	650,000	0	0	
MICHIGAN	COLON, VILLAGE OF	RBEG	RBCS ENTERPRISE GRANTS	06/18/19	0	15,000	0	Project funds to be used to purchase sheds to be rented to 4 businesses for pop-up stores in the Village of Colon. Also funds for electric installation and inspections and insurance.
MICHIGAN	COPPER CORPORATION	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/24/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 95 KW Solar PV System to help a rural small business. The privately owned business is a hotel run under the brand flag of Holiday Inn Express. This project will realize $16,476 per year in savings and will replace 120,355 kWH (17%) per year, which is enough energy to power 11 homes. Project payback is 9 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	COUNTRY MILL FARMS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/27/19	0	18,750	0	This Rural Development investment will be used for the purchase and installation of a 42.16 KW solar PV system to help a Veteran owned rural small business. The fruit and vegetable farm/market has been in business for over 15 years. This project will realize $12,771 per year in savings, and will replace 50,321 kWH (64%) per year. Project payback is 10 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	ELLSWORTH, VILLAGE OF	RBEG	RBCS ENTERPRISE GRANTS	07/08/19	0	7,000	0	
MICHIGAN	FROST LEGACY FARMS, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/29/19	0	49,665	0	This Rural Development investment will be used for the purchase and installation of a grain dryer replacement of an existing 23 year old dryer for the 1,400 acre cash grain family owned operation. This project will realize $9,497 per year in savings and will save 170,009 kWH (54%) per year, which is enough energy to power 15 homes. Project payback is 21 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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MICHIGAN	FRUIT RIDGE APPLE CO LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/27/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 149.60 KW solar PV system to help an Agricultural Producer. The farming operation is an apple orchard and processing company in Southwest Michigan. This project will realize $24,965 per year in savings, and will replace 195,341 kWH (32%) per year, which is enough energy to power 18 homes. Project payback is 9 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	GEISLER ENTERPRISES, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/31/19	0	67,439	0	This Rural Development investment will be used for the purchase and installation of multiple energy efficiency improvements for a commercial industrial building to help a rural small business. The improvements include: replacing interior & exterior lighting to LEDs, replacing windows, manual doors, and overhead doors, adding insulation to ceiling and wall areas, and replacing unit heaters. This project will realize $13,124 per year in savings, and will save 210,805 kWH (25%) per year which is enough energy to power 19 homes. Project payback is 35 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	GLADIATOR INVESTMENT GROUP LLC	BI	GUARANTEED B&I 3% FEE LOAN	04/08/19	4,960,000	0	0	This Rural Development investment will be used to provide a guaranteed loan to purchase a leased commercial building in Gaylord, Michigan. The facility houses 3 large businesses which employ over 100 people. The business owner will benefit via the loan guarantee with a reasonable interest rate and longer term on their loan.
MICHIGAN	GOLDEN LIMOUSINE INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/03/19	0	15,971	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting for interior and exterior lighting for the minority owned rural small business. Golden Limousine has been in the passenger transportation services in Michigan for over 25 years. This project will realize $7,412 per year in savings, and will replace 56,758 kWH (69%) per year, which is enough electricity to power 5 homes. Project payback is 9 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	GREAT LAKES ENERGY COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	02/11/19	0	0	1,200,000	Funds are being used for a Rural Economic Development Loan to Great Lakes Energy Cooperative, who will in turn loan the funds to Mantehi, Inc. Manthei will use these funds to purchase and install equipment that will ensure their competitive nature within their market.
MICHIGAN	GREEN WAGON FARM LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	13,760	0	This Rural Development investment will be used for the purchase and installation of a 20 KW solar PV system is to help a small vegetable growing farming. This project will realize $3,885 per year in savings, and will replace 25,444 kWH (63%) per year. Project payback is 15 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	H&O INDUSTRIAL PROPERTIES, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/30/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting for interior and exterior lighting for the rural small business located in an economically distressed area of Michigan. The real estate holding company has multiple tenants in their huge industrial building. This project will realize $36,609 per year in savings and will replace 282,286 kWH (70%) per year, which is enough energy to power 26 homes. Project payback is 4 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	HAWKFOSSIL LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	6,456	0	This Rural Development investment will be used for the purchase and installation of a 5.76 KW solar PV system to help an Agricultural Producer. The family owned farming operation is a 24 acre vegetable farm and market. this project will realize $1,507 per year in savings and will replace 9,379 kWH (70%) per year. Project payback is 18 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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MICHIGAN	HAYNES FARMS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/29/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 59.84 KW solar PV system to help an Agricultural Producer. The farming operation is a hog contract feeding operation. This project will realize $11,993 per year in savings, and will replace 78,796 kWH (84%) per year, which is enough energy to power 7 homes. Project payback is 9 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	HAYNES, TODD	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/29/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 59.84 KW solar PV system to help an Agricultural Producer. The farming operation is a swine finishing operation in the Central Michigan Area. This project will realize $12,771 per year in savings, and will replace 80,070 kWH (95%) per year, which is enough energy to power 7 homes. Project payback is 10 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	HECHT, DARWIN S	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/25/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a grain dryer replacement of the existing 25 year old dryer for an Agricultural Producer. This project will realize $10,410 per year in savings and will save 286,336 kWH (20%) per year, which is enough energy to power 26 homes. Project payback is 8 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	HEIDT, MARK DONALD	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	12,100	0	This Rural Development investment will be used for the purchase and installation of a 50 KW roof mounted solar PV system to help an Agricultural Producer. The 135 acre grain farmer is installing the system as a generation project in that all the energy generated will be sold to his local utility. This project will realize $4,902 per year in income and will generate 70,038 kWH per year, which is enough energy to power 6 homes. Project payback is 10 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	HERSHBERGER, KEVIN	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/21/19	0	14,448	0	This Rural Development investment will be used for the purchase and installation of a grain dryer replacement for an Agricultural Producer. The sole proprietor farms 767 acres in an economically distressed area in Southwestern Michigan. This project will realize $2,683 per year in savings and will save 40,326 kWH (50%) per year. Project payback is 22 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	HOLLY PLAZA PARTNERS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/14/19	5,000,000	0	0	Agency funds used to acquire existing strip-mall in Holly, MI. New owner plans to fill vacancies, update exterior appearance, and complete deferred maintenance. Holly Plaza is the centerpiece of Holly and will continue to thrive as a result of this project.
MICHIGAN	I-69 REGIONAL DEVELOPMENT CORPORATION	RBEG	RBCS ENTERPRISE GRANTS	07/02/19	0	20,000	0	This project is a revolving loan fund to assist Region 6 small businesses.
MICHIGAN	JAGERWERKS ENGINEERING, LLC	BI	GUARANTEED B&I 3% FEE LOAN	05/17/19	1,304,000	0	0	B&I guarantee loan funds will be used to purchase a 300 acre parcel and construct a 8,000 sq ft building for JagerWerks to transition their business into. The company has outgrown the space they currently rent and need additional room due to increased demand for their product.
MICHIGAN	KEEN WEH LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	9,763	0	This Rural Development investment will be used for the purchase and installation of a 16.8 KW solar PV system for a start up rural small business. The new solar electric power generation business is planning to generate energy that will be sold to a local church. The project will realize $2,922 per year in income and will generate 21,301 kWH per year. Project payback is 14 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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MICHIGAN	KORSONS TREE FARMS, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	7,469	0	This Rural Development investment will be used for the purchase and installation of a 17 KW roof mounted solar PV system to help an Agricultural Producer. The family owned farming operation is an evergreen tree farm that has been in business over 45 years. This project will realize $3,649 per year in savings, and will replace 21,576 kWH (98%)per year. Project payback is 9 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	LEITZ FARMS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	46,800	0	This Rural Development investment will be used for the purchase and installation of a 180 KW roof mounted solar PV system to help an Agricultural Producer. The applicant is a 4th generation fruit and vegetable farm that has been in operation since 1903. This project will realize $26,326 per year in savings, and will replace 217,394 kWH (91%) per year which is enough energy to power 20 homes. Project payback is 8 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	LENAWEE CHAMBER FOUNDATION	RBEG	RBCS ENTERPRISE GRANTS	07/15/19	0	45,000	0	
MICHIGAN	LONE MAPLE DEVELOPMENT, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/17/19	0	32,000	0	This Rural Development investment will be used for the purchase and installation of a 73.44 KW solar PV system to help a rural small business. The real estate holding company is powering their commercial office building with the solar array. This project will realize $14,273 per year in savings, and will replace 97,211 kWH (100%) per year which is enough energy to power 8 homes. Project payback is 9 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	LYNDEN SPORTS CENTER LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	19,850	0	This Rural Development investment will be used for the purchase and installation of a 20 KW solar PV system to help a rural small business. The project is a solar generation project providing electricity for a new storage building for a retail boat dealer. This project will realize $4,335 per year in savings and will generate 26,039 kWH per year. Project payback is 19 years. The purpose of this funding program is to assist framers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	MACKINAC BLUFFS MAPLE FARMS, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/24/19	0	19,615	0	This Rural Development investment will be used for the purchase and installation of multiple energy efficiency improvements to help a rural small business. The energy efficiency improvements include a reverse osmosis filter, VFD pump, and LED lighting upgrades for a maple syrup production facility in the Upper Peninsula of Michigan. This project will realize $5,769 per year in savings and will save 80,879 kWH (38%) per year, which is enough energy to power 7 homes. Project payback is 14 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	MGH FAMILY HEALTH CENTER	BI	GUARANTEED B&I 3% FEE LOAN	04/09/19	1,688,250	0	0	B&I Guarantee Loan to be used to construct 8,000 sq ft facility to house behavioral health/substance abuse care, focus on opioid abuse as well as optometry services.
MICHIGAN	MI FARM COOPERATIVE	RBEG	RBCS ENTERPRISE GRANTS	07/10/19	0	55,800	0	
MICHIGAN	MICHIGAN APPLE PACKERS COOP	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/24/19	0	66,890	0	This Rural Development investment will be used for the purchase and installation of a 450 KW solar PV system to help power a packing shed for a rural small business. The applicant is the Michigan Apple Packers Cooperative, Inc. that has 19 member/growers, established in November 1997. This project will realize $84,840 per year in savings, and will replace 564,473 kWH (98%) per year which is enough energy to power 52 homes. Project payback is 4 years. The purpose of this funding program is to assist framers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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MICHIGAN	MICHIGAN STATE UNIVERSITY	REAR	REAP ENERGY AUDIT RECIPIENT	03/27/19	0	100,000	0	This Rural Development investment will be used by Michigan State University's Farm Energy Audit Program to conduct a minimum of 44 energy audits for rural small businesses and agricultural producers throughout the State of Michigan. These audits will provide analysis to make energy and cost saving improvements to their operations. The overall purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	MOTZ VIEW FARMS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/27/19	0	12,359	0	This Rural Development investment will be used for the purchase and installation of a 37.05 KW solar PV system to help an Agricultural Producer. The farming operation is a diversified cash crop farming operation in Central Michigan. This project will realize $5,325 per year in savings, and will replace 45,499 kWH (134%) per year, with the excess energy being sold to the local utility. Project payback is 10 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	MOTZ, JERRY ALLAN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	5,530	0	This Rural Development investment will be used for the purchase and installation of a 19.72 KW solar PV system to help an Agricultural Producer. The project will realize $1,513 per year in savings and will replace 10,202 kWH (100%) per year for the farming operation. Project payback is 15 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	NAM HOSPITALITY, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/27/19	4,960,400	0	0	
MICHIGAN	NEW BUFFALO TOWNSHIP	RBEG	RBCS ENTERPRISE GRANTS	07/15/19	0	35,430	0	This Rural Development investment will be used to fund New Buffalo Township's Gateway Improvement Plan. The plan will establish clear uses and improvements to the primary entry point into the township. When completed the township will have a landscape design concept, transportation improvement plan and land use plan for entry into the township's commercial district. The township will be able to use the plan for future funding of physical improvements into the township creating additional traffic and customers for its small businesses and driving economic advancement.
MICHIGAN	NEW BUFFALO, CITY OF	RBOG	RBCS DEVELOPMENT GRANT	07/29/19	0	51,000	0	This Rural Development Investment will be used to develop a master plan for the redevelopment of the City of New Buffalo's waterfront area. The end result will be a conceptual waterfront plan that will maximize visitors to the community in order to support small businesses. Once the master plan is complete the project will then create preliminary engineering plans and cost estimating for implementation of the plan in the future.
MICHIGAN	NORTHERN ECONOMIC INITIATIVES CORP.	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	70,773	0	
MICHIGAN	ONAWAY, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/05/19	0	54,000	0	
MICHIGAN	PAD LOCK, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	35,976	0	This Rural Development investment will be used for the purchase and installation of a 74 KW roof mounted solar PV system to help a rural small business. The applicant is a real estate holding company that owns a large industrial commercial building that is leasing space to multiple businesses. This project will realize $14,625 per year in savings, and will replace 92,619 kWH (100%) per year which is enough energy to power 8 homes. Project payback is 10 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	PERSELLS, TERRY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	3,934	0	This Rural Development investment will be used for the purchase and installation of an 8.26 KW solar PV system to help a USDA certified organic dairy farm. This project will realize $1,439 per year in savings, and will replace 20,885 kWH (51%) per year. Project payback is 13 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	PIGEON RIVER PROPERTIES, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/22/19	2,600,000	0	0	This Rural Development investment will be used to construct a truck wash facility, refinance borrower's existing debt and provide working capital. The project will create 15 new jobs with an average wage of $12.60/hour. The construction of the truck wash facility will serve the local community as the nearest current location is more than 25 miles away.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MICHIGAN	PROVIDENCE FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	18,375	0	This Rural Development investment will be used for the purchase and installation of a 29.40 KW roof mounted solar PV system for an Agricultural Producer. The applicant is a Community Supported Agriculture (CSA) Farm that provides certified organic vegetables in Northern Michigan. This project will realize $4,860 per year in savings and replace 33,704 kWH (93%) per year. Project payback is 16 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	QUINCY, VILLAGE OF	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	37,500	0	Funds to be used to purchase retail market buildings and construct two larger commercial buildings. Located in Village of Quincy. Also provide training to small businesses and marketing and promotion of market.
MICHIGAN	RAINA PROPERTIES INC.	BI	GUARANTEED B&I 3% FEE LOAN	02/06/19	3,385,000	0	0	
MICHIGAN	READING CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/19/19	0	47,500	0	Funds will be used to renovate and retrofit an existing, abandoned building into a farmers market, community gathering space, and green-space.
MICHIGAN	RITA'S HOSPITALITY INC	BI	GUARANTEED B&I 3% FEE LOAN	01/28/19	3,700,000	0	0	Borrower is requesting $3,700,000 B&I Guaranteed loan to finance the purchase of an existing Best Western Hotel in Coldwater, MI. The Guarantee will allow the Lender to be able to provide a 30 year term to the borrower facilitating in better Debt Service Coverage. Project will save 21 jobs.
MICHIGAN	SAGINAW CHIPPEWA INDIAN TRIBE	RBOG	RBCS DEVELOPMENT GRANT	07/30/19	0	51,000	0	
MICHIGAN	SCHNEIDER, GENE	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/23/19	0	19,377	0	This Rural Development investment will be used for the purchase and installation of a replacement grain dryer for an Agricultural Producer. The sole proprietor has been farming for over 40 years and currently consists of 350 acres. This project will realize $1,401 per year in savings and will save 36,152 kWH (61%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	SLEEPING BEAR APIARIES LTD	VAPG	VALUE-ADDED PRODUCER DVLP GRANTS-DISCR	02/14/19	0	250,000	0	Working capital funds for their honey mead to expand their market into Florida.
MICHIGAN	SOUTH HAVEN, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/01/19	0	100,000	0	This Rural Development investment will be used to fund engineering costs associated with the Center Street reconstruction project in South Haven, MI. The entire project is a $4MM investment by the City to upgrade water and sewer lines as well as complete a streetscape project supporting 5 small businesses. USDA funds will pay for a portion of the engineering costs associated with the project.
MICHIGAN	ST LOUIS CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/11/19	0	35,000	0	
MICHIGAN	STANDISH, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	40,000	0	
MICHIGAN	STAR HOSPITALITY, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/24/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 94.70 KW roof mounted solar PV system to help a rural small business. The privately owned business is a hotel run under the brand flag of Comfort Inn. This project will realize $15,927 per year in savings and will replace 119,843 kWH (19%) per year, which is enough energy to power 11 homes. Project payback is 10 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	STATE LINE FARMS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	100,000	0	This Rural development investment will be used for the purchase and installation of a 1.22 MW solar generation project. The Agricultural Producer has a 20 year purchase power agreement in which all the generated energy will be going to the local utility. The project will realize $162,504 per year in net income and will generate 1,625,042 kWH of electricity per year, which is enough energy to power 149 homes. Project payback is 8 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	STERMER, JONATHAN L.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/24/19	0	15,250	0	This Rural Development investment will be used for the purchase and installation of a grain dryer replacement for an Agricultural Producer. The sole proprietor operation has been farming 550 acres for 28 years. This project will realize $4,158 per year in savings and will save 165,857 kWH (54%) per year, which is enough electricity to power 15 homes. Project payback is 15 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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MICHIGAN	THE FALLS AT BARBER CREEK LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	16,425	0	This Rural Development investment will be used for the purchase and installation of a 25.50 KW solar PV system to help a rural small business. The applicant is a golf course that will be installing the solar panels on the roof of the club house and the cart barn. This project will realize $5,319 per year in savings and will replace 33,370 kWH (70%) per year. Project payback is 13 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	THREE OAKS, VILLAGE OF	RBEG	RBCS ENTERPRISE GRANTS	07/15/19	0	79,000	0	this Rural Development investment will be used to create an 8" wide concrete ADA Connecting walkway from Elm St to Generations Dr. in Three Oaks, MI. At completion the two separate business districts will be connected and accessible to all. The project create or save 53 jobs in the downtown due to easier access to the small businesses for patrons.
MICHIGAN	TRAVERSE CITY DDA	RBEG	RBCS ENTERPRISE GRANTS	07/08/19	0	71,250	0	0
MICHIGAN	TUSCOLA COUNTY ECONOMIC DEVELOPMENT CORP	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	50,000	0	This project is a revolving loan fund to assist Tuscola County.
MICHIGAN	TWO TRACKS ACRES, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	7,849	0	This Rural Development investment will be used for the purchase and installation of a 18.48 KW solar PV system to help an Agricultural Producer involved in livestock and vegetable production. This project will realize $2,272 per year in savings and will replace 13,793 kWH (100%) per year for the farming operation. Project payback is 15 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	US 131 MOTORSPORTS PARK INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/18/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of LED lighting upgrades to help a rural small business. The applicant is a world class drag racing facility in Martin, Michigan that has been in operation over 55 years. This project will realize $33,244 per year in savings and will replace 300,300 kWH (26%) per year, which is enough energy to power 27 homes. Project payback is 3 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	WAX REAL ESTATE HOLDINGS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/15/19	2,836,000	0	0	Funds will be used to construct a new mixed-used building in Linden, MI. The building will be approximately 12,000 sq. ft., with about 25% being occupied by Dr. Wax's Orthodontics practice. The remaining 3 vacancies will be filled with community businesses. Funds will also be used to refinance a small portion of existing equipment debt.
MICHIGAN	WEST COAST MANAGEMENT, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/24/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 92 KW roof mounted solar PV system to help a rural small business. The privately owned business is a hotel run under the Best Western flag. This project will realize $13,352 per year in savings, and will replace 101,617 kWH (26%) per year, which is enough energy to power 9 homes. Project payback is 12 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	WHITE BIRCH LODGE, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	11,825	0	This Rural Development investment will be used for the purchase and installation of a 19.95 KW roof mounted solar PV system to help a rural small business. White Birch Lodge is an all-inclusive resort that has been family owned and operated since 1958. This project will realize $3,776 per year in savings, and will replace 32,864 kWH (73%) per year. Project payback is 13 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	WILDTYPE DESIGN NATIVE PLANTS & SEED LTD	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	18,296	0	This Rural Development investment will be used for the purchase and installation of a 35.52 KW roof mounted solar PV system to help an Agricultural Producer. The applicant is a greenhouse and nursery that specializes in growing species native to Michigan. This project will realize $6,526 per year in savings and will replace 39,292 kWH (100%) per year in becoming self-sufficient. Project payback is 12 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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MICHIGAN	WILLIAMSTON INNOVATION, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/08/19	0	5,390	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of lighting upgrades to LED lighting, plus installing an Infra-Red heating system at the rural small business. Williamston Innovation, LLC houses an engineering firm and a computer hardware manufacturer. This project will realize $5,877 per year in savings, and will replace 39,572 kWH (56%) per year. Project payback is 4 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MICHIGAN	ZUURKOOL, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/17/19	0	42,416	0	This Rural Development investment will be used for the purchase and installation of a direct use geothermal heating & cooling system with a 19.17 KW solar PV system for a new farm building. The rural small business will realize $5,000 per year in savings, and will generate 86,895 kWH per year for the new building, which is enough energy to power 8 homes. Project payback is 43 years. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	4-DIRECTIONS DEVELOPMENT INC	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	06/13/19	0	191,519	0	Rural Development Grant funds will give technical assistance for building private business ownership on the Red Lake Reservation.
MINNESOTA	ABARIS EC, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	19,741	0	This Rural Development investment will be used for the purchase and installation of a 55.02kW Ground Solar array. Abaris EC, LLC is an electrical contractor in rural Barnesville Minnesota, will realize $8,656 per year in savings, and will replace 74,238Wh (345%) per year. This project will save enough electricity to power 6.8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	ACTION FABRICATING, INC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/03/19	0	17,180	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of Energy Optimization Lighting System. Action Fabricating, Inc is a small business in Detroit Lakes Minnesota. This project will realize $13,181 per year in savings, and will replace 148,595kWh (87%) per year, which is enough energy to power 13 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	AGRICULTURAL UTILIZRESEARCH	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/13/19	0	200,000	0	Rural Development grant funds will be used to provide technical assistance to startup and existing cooperatives and rural businesses to identify new uses for Minnesota and regionally grown raw materials in Minnesota.
MINNESOTA	AITKIN COUNTY GROWTH, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/11/19	0	90,000	0	Rural Development grant funds will be used to finance and/or develop small and emerging private business enterprises in rural Aitkin county in Minnesota.
MINNESOTA	ALBERS, BRUCE	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/17/19	0	8,000	0	This Rural Development investment will be used for the purchase and installation of a 39kW Solar array. Bruce Albers is a family owned farmer outside Goodhue Minnesota, will realize $6,744 per year in savings, and will replace 72,645Wh (14%) per year. This project will save enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	ARABLE BROTHERS COMPANY LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/16/19	0	7,500	0	This Rural Development investment will be used for the purchase and installation of a 18kW ground solar system. Arable Brothers Company is a family owned farm in rural Plainview Minnesota. This project will replace 25,980kWh (137%) per year and realize $3,099 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	ARNDORFER, PATRICK	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/26/19	0	18,515	0	This Rural Development investment will be used for the purchase and installation of a 38kW Ground Solar array. Patrick Arndorfer is a family farmer in rural LeRoy Minnesota, will realize $7,832 per year in savings, and will replace 65,818kWh (367%) per year. This project will save enough electricity to power 6.5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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MINNESOTA	BAKKE, JASON WADE	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/24/19	0	16,372	0	This Rural Development investment will be used for the purchase and installation of a 20.15kW roof solar system. Jason Wade Bakke is a family owned farmer in rural Pierz Minnesota. This project will replace 29,186kWh (103%) per year and realize $3,266 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	BAST FARMS, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/14/19	0	8,200	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Bast Farms LLC is a family farm in rural Springfield Minnesota. This project will realize $4,169 per year in savings, and will replace 80,791kWh (50.76%) per year, which is enough energy to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	BATTLE LAKE CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	99,000	0	Rural Development's investment will be used to replace public infrastructure to assist in a redevelopment project. It is anticipated that several business will benefit as a result of the project.
MINNESOTA	BAUERLY, ALLEN J	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/21/19	0	19,999	0	This Rural Development investment will be used for the purchase and installation of a 42kW ground Solar. Allen J. Bauerly is a small family farmer by Sauk Rapids Minnesota, will realize $9,565 per year in savings, and will replace 80,257Wh (79%) per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	BENESCH, TIMOTHY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/26/19	0	5,832	0	This Rural Development investment will be used for the purchase and installation of a 14kW roof mounted solar system. Timothy Benesch operates a mental health consulting business in North Mankato, Minnesota. This project will replace 19,985kWh (%) per year and realize $2,519 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	BISSEN, KIM	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	19,024	0	This Rural Development investment will be used for the purchase and installation of a 40kW Ground Solar array. Kim Bissen is a rural small hog and crop family farm in rural Adams Minnesota, will realize $8,737 per year in savings, and will replace 69,901kWh (100%) per year. This project will save enough electricity to power 6.4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	BRATON, JEFFREY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	27,460	0	This Rural Development investment will be used for the purchase and installation of a 55.02kW ground solar array. Jeff Braton is a family owned farm in rural Barnesville Minnesota, will realize $8,040 per year in savings, and will replace 73,254Wh (%) per year. This project will save enough electricity to power 6.7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	BROSIG, JOSEPH	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/17/19	0	10,000	0	This Rural Development investment will be used for the purchase and installation of a 21kW roof solar system. Joseph Brosig is a family owned farmer in rural Winona Minnesota. This project will replace 33,552kWh (376%) per year and realize $4,026 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	CANOSIA GROVE, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/19/19	0	9,562	0	This Rural Development investment will be used for the purchase and installation of a 14.64 kW solar PV array solar system. Canosia Grove, LLC is a family owned winery, cidery and event center for weddings and social gatherings in rural Duluth Minnesota. This project will replace 20,105kWh (120%) per year and realize $2,223 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	CASS COUNTY EDC	RBEG	RBCS ENTERPRISE GRANTS	07/11/19	0	60,000	0	Rural Development grant funds will be used to obtain technical assistance for Cass County EDC. They will provide succession planning technical assistance to private businesses in rural Todd and Cass counties in northern Minnesota.

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MINNESOTA	CENTRAL APPLICATORS INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	16,437	0	This Rural Development investment will be used for the purchase and installation of a 28kW ground mounted solar system to offset current usage at their commercial location. Central Applicators Inc is a small business in Foley Minnesota. This project will replace 52,574kWh (95%) per year and realize $6,583 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	COLLEGE CITY BEVERAGE INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/06/19	0	100,000	0	This Rural Development investment will be used for the purchase and installation of a rooftop Solar array. College City Beverage is a small business in rural Dundas Minnesota, will realize $58,656 per year in savings, and will replace 986,664kWh (53.87%) per year. This project will save enough electricity to power 91 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	COLOR-WARE, INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 38.6kW roof mounted solar system. Color-Ware Inc is a small business in Winona Minnesota. This project will replace 46,434kWh (26%) per year and realize $1,773 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	CROW WING RECYCLING, INC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/09/19	0	160,651	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of Energy Optimization Lighting System. Crow Wing Recycling, Inc is a small business in Brainerd Minnesota. This project will realize $94,113 per year in savings, and will replace 553,610 (%) per year, which is enough energy to power 51 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	EAST CENTRAL ENERGY	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	05/20/19	0	210,000	0	This Rural Development investment will be used to purchase a new fire truck for the City of Rush City. The new fire truck will provide dependability for the crew and residents who rely on the department for fire protection services and will ensure for the safety of volunteer fire fighters. The new truck will serve a population of 3,132 people and provide Mutual Aid for six nearby communities. The grant funds will provide a revolving loan fund for East Central Energy to help finance the new tanker pumper fire truck for Rush City. East Central Energy is located in Isanti County, Minnesota.
MINNESOTA	ENDURANCE FARMS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	19,999	0	This Rural Development investment will be used for the purchase and installation of a 42kW ground Solar. Endurance Farms is a partnership farm in Green Isles Minnesota, will realize $9,775 per year in savings, and will replace 79,356Wh (103%) per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	EVERSMAN, DEBRA	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	17,499	0	This Rural Development investment will be used for the purchase and installation of a 42kW ground Solar. Debra Eversman is a farmer in Fairmont Minnesota, will realize $7,893 per year in savings, and will replace 80,891Wh (54.89%) per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	EVERSMAN, JON	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/08/19	0	17,499	0	This Rural Development investment will be used for the purchase and installation of a 42kW ground Solar. Jon Eversman is a farmer in Fairmont Minnesota, will realize $8040 per year in savings, and will replace 80,891Wh (83%) per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	FARMERS CO-OPERTIVE OF HANSKA	BI	GUARANTEED B&I 3% FEE LOAN	08/16/19	7,500,000	0	0	The proposed B & I loan will restructure debt to reduce interest expense and match long-term financing. Farmer's Co-op of Hanska is a producer owned cooperative engaged in grain handling, marketing, storage, feed manufacturing, refined fuels and propane sales.

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MINNESOTA	FELTON, DOUGLAS A	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	10,500	0	This Rural Development investment will be used for the purchase and installation of a 42kW Ground Solar array. Douglas A. Felton has a custom owned farm operation outside Northfield Minnesota, will realize $8,420 per year in savings, and will replace 78,022kWh (539%) per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	FIRST DISTRICT ASSOCIATION (THE)	VAPG	VALUE-ADDED PRODUCER DVLP GRANTS-DISCR	02/06/19	0	250,000	0	This Rural Development investment will be used for working capital for The First District Association. The First District Association is a cooperative with approximately 859 members. The project will build the sales of "Bag in a Bag WPC (whey protein concentrate)". The grant are estimated to create 7 jobs and increase customer base by 15. The company is located in Meeker County Minnesota.
MINNESOTA	FOOD CO-OP INITIATIVE	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/04/19	0	200,000	0	Rural Development grant funds will be used to support a Cooperative Development Center in Savage Minnesota. The Center provides technical assistance to rural food cooperatives in rural Minnesota.
MINNESOTA	FRABONI'S WHOLESALE DISTRIBUTORS, INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/14/19	0	17,186	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of Energy Optimization Lighting System. Fraboni s Wholesale Distributors, Inc is a small business in Hibbing Minnesota. This project will realize $29,040 per year in savings, and will replace 238,620 (%) per year, which is enough energy to power 22 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	GERNES, CLETUS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	18,444	0	This Rural Development investment will be used for the purchase and installation of a 37.5kW roof solar system. Cletus Gernes is a family owned farmer in rural Lewiston Minnesota. This project will replace 66,664kWh (193%) per year and realize $7,999 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	GLACIAL RIDGE HOSPITALITY LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/20/19	5,450,601	0	0	This B & I loan will provided construction for a new 51 room GrandStay Hotel in New London MN. Ten jobs will be created as a result of the project. Glacial Ridge is a new business in New London MN.
MINNESOTA	GLENDE, BENJAMIN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/19/19	0	14,500	0	This Rural Development investment will be used for the purchase and installation of a 40kW ground solar system. Benjamin Glende is a family owned farmer in rural Lewiston Minnesota. This project will replace 56,418kWh (26%) per year and realize $5,980 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	GREEN, GREGORY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/19/19	0	4,400	0	This Rural Development investment will be used for the purchase and installation of a 16kW ground solar system. Gregory Green is a family owned farmer in rural Redwood Minnesota. This project will replace 22,426kWh (141%) per year and realize $1,970 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	GUNDERSON, CHRIS L	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	17,500	0	This Rural Development investment will be used for the purchase and installation of a 42.3kW ground solar system. Chris L Gunderson is a family owned farmer in rural Spring Valley Minnesota. This project will replace 59,172kWh (121%) per year and realize $7,099 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	HALSTAD TELEPHONE COMPANY	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (TELEPHONE)	03/07/19	0	0	300,000	This Rural Development investment will be used for construction of a new combination hardware store/grocery store in Halstad Minnesota. The new store will serve a population of 6,852 plus nearby communities. The pass-through loan will provide construction financing. This funding will create additional, 1 full time and 3 part-time jobs. Halstad Telephone company is located in Norman County, Minnesota.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MINNESOTA	HANSEN, TYLER J	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/27/19	0	10,000	0	This Rural Development investment will be used for the purchase and installation of a 42kW ground Solar system. Tyler Hansen is a family owned farmer with swine finishing barns Minnesota, will realize $10,420 per year in savings, and will replace 78,658kWh (52%) per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	HANSEN, WENDI	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/19/19	0	10,000	0	This Rural Development investment will be used for the purchase and installation of a 42kW Solar array. Wendi Hansen is installing solar array to sell generated power to Tyler Hansen for his swine finishing barn. Wendi Hansen is a family owned farmer in New Richland Minnesota, will realize $9,438 per year in savings, and will replace 78,658kWh (70%) per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	HEARTLAND CORN PRODUCTS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/19/19	0	250,000	0	This Rural Development investment will be used for the purchase and installation of distillation and dehydration equipment at Heartland Corn Products plant. Heartland Corn Products is a farm owned, cooperatively operated business in rural Winthrop Minnesota. This project will replace 39,kWh (%) per year and realize $4,8 of saving per year. This project will save enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	HEIM, LOUIS A	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/21/19	0	18,750	0	This Rural Development investment will be used for the purchase and installation of a 40kW Solar array. Louis Heim is a small family farmer near St. Charles, Minnesota, will realize $8,175 per year in savings, and will replace 68,126Wh (224%) per year. This project will save enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	HGM ORGANICS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/19/19	0	18,000	0	This Rural Development investment will be used for the purchase and installation of a 52.56kW Ground Solar system. HGM Organics is a startup business in rural Wykoff Minnesota, will realize $8,891 per year in savings, and will replace 74,093kWh (%) per year. This project will save enough electricity to power 6.8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	HIGH POWER FARMS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/06/19	0	10,000	0	This Rural Development investment will be used for the purchase and installation of a 15kW ground solar system. High Power Farms LLC is a family owned farm in rural Cannon Falls Minnesota. This project will replace 28,458kWh (79%) per year and realize $4,069 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	HOUDEK, WAYNE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	18,716	0	This Rural Development investment will be used for the purchase and installation of a 37.5kW Solar array. Wayne Houdek is a family farmer in rural Caledonia Minnesota, will realize $8,709 per year in savings, and will replace 68,042kWh (100%) per year. This project will save enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	HUISMAN, JAMES W	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	18,750	0	This Rural Development investment will be used for the purchase and installation of a 46kW Ground Solar array. James Huisman is a family farm in rural Litchfield Minnesota, will realize $8,203 per year in savings, and will replace 89,340kWh (164%) per year. This project will save enough electricity to power 8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MINNESOTA	HUISMAN, TIMOTHY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 46kW ground Solar. Timothy Huisman is a family owned farmer in Atwater Minnesota, will realize $9,574 per year in savings, and will replace 88,740Wh (77%) per year. This project will save enough electricity to power 8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	JAC FARM COMPANY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	4,000	0	This Rural Development investment will be used for the purchase and installation of a 7kW solar array on the family farm of John Carlson/JAC Farm Company. This project will replace 13,189kWh (149%) per year and realize $1,636 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	JENSEN, GLEN H	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	10,000	0	This Rural Development investment will be used for the purchase and installation of a 46.62kW roof solar system. Glen Jensen is a family owned farmer in rural Clarks Grove Minnesota. This project will replace 58,940kWh (280%) per year and realize $6,070 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	JEWISON, TED	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	16,090	0	This Rural Development investment will be used for the purchase and installation of a 39kW ground solar system. Ted Jewison is a family owned farmer with hog finishing barns. This project will replace 55,086kWh (100%) per year and realize $7,063 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	JONS SALES AND SERVICE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 38kW Ground Solar array. Jons Sales and Service is a small business in rural Barnesville Minnesota, will realize $8,267 per year in savings, and will replace 75,446kWh (100%) per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	JT LEASING INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/18/19	0	12,625	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of Energy Efficient Lighting System. JT Leasing, Inc is a small business in Brownsdale Minnesota. This project will realize $9,693 per year in savings, and will replace 87,208kWh (%) per year, which is enough energy to power 8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	JT LEASING INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	19,500	0	This Rural Development investment will be used for the purchase and installation of a 49kW roof Solar array. JT Leasing Inc is a rural small business specializing in warehouse and equipment leasing, will realize $7,895 per year in savings, and will replace 64,240kWh (22.29%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	KIMMES, DUANE	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/18/19	0	9,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Duane Kimmes is a small family farm in rural Hastings Minnesota. This project will realize $4,668 per year in savings, and will replace 92,804kWh (59%) per year, which is enough energy to power 8.5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	KRAMER, ROBERT	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/23/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Robert Kramer is a small family farm in rural Herman Minnesota. This project will realize $15,464 per year in savings, and will replace 295,024kWh (50%) per year, which is enough energy to power 27 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MINNESOTA	LAKE OF THE WOODS EDA	RBEG	RBCS ENTERPRISE GRANTS	07/22/19	0	25,000	0	Rural Development grant funds will be used to obtain technical assistance for Lake of the Woods EDA. They will provide succession planning technical assistance to private businesses in rural Lake of the Woods county in Northern Minnesota.
MINNESOTA	LATINO ECONOMIC DEVELOPMENT CENTER	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/25/19	0	200,000	0	Rural Development grant funds will provide technical assistance for rural cooperatives of Latino immigrant farmers in rural Minnesota.
MINNESOTA	LEECH LAKE FINANCIAL SERVICES	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	06/18/19	0	136,571	0	Grant funds will be used to stabilize and grow existing businesses located on or near the Leech Lake Reservation near Cass Lake, Minnesota.
MINNESOTA	LESUN LLC	BI	GUARANTEED B&I 3% FEE LOAN	12/12/18	8,750,000	0	0	This Rural Development loan will be used to refinance a bridge loan to construct a 7.1 MWdc utility grade PV solar array in Waterville, Minnesota. LeSun, LLC is a subsidiary of Cypress Creek Power II, LLC.
MINNESOTA	LETTUCE ABOUND, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/23/19	0	49,371	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of Insulation and Lighting System. Lettuce Abound, LLC is a small aeroponic organic facility to grow, harvest and process lettuce in rural New London Minnesota. This project will realize $59,432 per year in savings, and will replace 760,080kWh (84%) per year, which is enough energy to power 70 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	LHM GREEN, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/19/19	0	18,000	0	This Rural Development investment will be used for the purchase and installation of a 52.56kW Ground Solar system. LHM Green is a startup business in rural Wykoff Minnesota, will realize $8,891 per year in savings, and will replace 74,093kWh (%) per year. This project will save enough electricity to power 6.8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	LINDQUIST, DALE	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/16/19	0	7,875	0	This Rural Development investment will be used for the purchase and installation of a kW roof solar system. Dale Lindquist is a family owned farmer and raises cattle. This project will replace 12,613kWh (20%) per year and realize $3,502 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	LITTFIN DESIGN INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/17/19	0	6,998	0	This Rural Development investment will be used for the purchase and installation of a 14.4kW roof solar system. Littfin Design Inc is a locally owned small business in rural Winsted Minnesota. This project will replace 19,194kWh (%) per year and realize $2,826 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	LOHMANN, KARRI	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/17/19	0	17,785	0	This Rural Development investment will be used for the purchase and installation of a 37.5kW solar array system. Karri Lohmann is a family owned farmer in rural Spring Valley Minnesota. This project will replace 59,879kWh (289%) per year and realize $7,185 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	LUND, DARIN	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/09/19	0	45,133	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of grain dryer. Darin Lund is a small grain farmer in rural Dawson Minnesota. This project will realize $9,927 per year in savings, and will replace 162,267kWh (%) per year, which is enough energy to power 15 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	MATZKE, CHARLES J	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/19/19	0	19,750	0	This Rural Development investment will be used for the purchase and installation of a 37.5kW Solar array. Charles J Matzke is a family farmer in rural Lewiston Minnesota, will realize $8,436 per year in savings, and will replace 70,302kWh (3,053%) per year. This project will save enough electricity to power 6.4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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MINNESOTA	MAURER, RICHARD	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/26/19	0	12,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Richard Maurer is a small family farm in rural Morgan Minnesota. This project will realize $7,888 per year in savings, and will replace 182,239kWh (51%) per year, which is enough energy to power 16.8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	MC CUE, THOMAS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/25/19	0	10,000	0	This Rural Development investment will be used for the purchase and installation of a 42kW ground mounted solar system. Tom Mc Cue operates a grain farming operation. This project will replace 60,178kWh (100%) per year and realize $6,569 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	MCNAMARA FARMS INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/19/19	0	16,500	0	This Rural Development investment will be used for the purchase and installation of a 39kW Ground Solar array. McNamara Farms Inc is a farm outside Bird Island Minnesota, will realize $7,310 per year in savings, and will replace 73,9112kWh (121%) per year. This project will save enough electricity to power 6.8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	MEYER, KERMIT	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/21/19	0	12,500	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Kermit Meyer is a small family farm in rural Caledonia Minnesota. This project will realize $6,533 per year in savings, and will replace 112,493kWh (%) per year, which is enough energy to power 10 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	MIDWEST PATTERN, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/19/19	0	15,000	0	This Rural Development investment will be used for the purchase and installation of a 32kW roof mounted solar system. Midwest Pattern is a small family owned and operated business that makes patterns and molds for castings near Minnesota City, Minnesota. This project will replace 44,960kWh (125%) per year and realize $6,130 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	MILLS MANOR	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/06/19	0	56,700	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED Lighting and boilers. Mills Manor, Inc is a nursing home in New York Mills Minnesota. This project will realize $13,181 per year in savings, and will replace 148,595kWh (87%) per year, which is enough energy to power 13 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	MINNESOTA COLD STORAGE LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	19,909	0	This Rural Development investment will be used for the purchase and installation of a 48.6kW ground solar system. Minnesota Cold Storage LLC is a small business in rural Rochester Minnesota. This project will replace 59,500kWh (22%) per year and realize $6,699 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	MINNESOTA SOYBEAN GROWERS ASSOCIATION	RBEG	RBCS ENTERPRISE GRANTS	07/22/19	0	123,000	0	Rural Development grant funds will be used to obtain technical assistance for MN Soybean Growers Association. They will provide technical assistance to a private business in rural Blue Earth County in Minnesota.
MINNESOTA	MUELLER, LOWELL	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/20/19	0	18,491	0	This Rural Development investment will be used for the purchase and installation of a 38kW Solar array. Lowell Mueller is a family farm in rural Lewiston Minnesota, will realize $7,998 per year in savings, and will replace 66,781kWh (130%) per year. This project will save enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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MINNESOTA	MULLENBACH, HARVEY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/19/19	0	18,968	0	This Rural Development investment will be used for the purchase and installation of a 38kW ground Solar array. Harvey Mullenbach is a family farmer in rural Adams Minnesota, will realize $8,802 per year in savings, and will replace 76,542kWh (1,696%) per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	MULLINS, VIRGINIA	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/17/19	0	12,179	0	This Rural Development investment will be used for the purchase and installation of a 25.2kW roof solar system. Virginia Mullins is a family owned beef farmer in rural Shafer Minnesota. This project will replace 30,003kWh (146%) per year and realize $3,880 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	NELSON, BRADLEY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/17/19	0	12,796	0	This Rural Development investment will be used for the purchase and installation of a 39kW ground solar system. Bradley D Nelson is a family owned farmer in rural Albert Lea Minnesota. This project will replace 54,668kWh (128%) per year and realize $5,375 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	NELSON, JOHN D	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/20/19	0	10,000	0	This Rural Development investment will be used for the purchase and installation of a 21kW ground solar system. John Nelson is a family owned farmer. This project will replace 37,109kWh (136%) per year and realize $6,720 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	NEW YORK MILLS, CITY	RBEG	RBCS ENTERPRISE GRANTS	07/17/19	0	99,000	0	Rural Development investment will be used to establish a revolving loan fund. Funds will be used to finance and/or develop small and emerging private business enterprises in city of New York Mills Minnesota. It is anticipated that 8 jobs will be created and 3 jobs will be saved as a result of the project.
MINNESOTA	NORMAN COUNTY	RBEG	RBCS ENTERPRISE GRANTS	07/19/19	0	50,000	0	Rural Development grant funds will be used to finance and/or develop small and emerging business enterprises in rural Norman county in Minnesota.
MINNESOTA	NORTH CENTRAL ECON DEV ASSOC INC	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	34,427	0	0
MINNESOTA	NORTHCOUNTRY COOP FOUNDATION	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/06/19	0	200,000	0	Grant funds will be used for technical assistance to support development of resident-owned home communities in rural Minnesota and throughout the Midwest.
MINNESOTA	NOVEL SOLAR FIVE, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	07/02/19	2,202,018	0	0	This Rural Development REAP loan guarantee will be used for the purchase and installation for a 1.5 MW Solar PV Array, located in St. Cloud Minnesota. Novel Solar Five, LLC is a Special Purpose Entity and subsidiary of Novel Energy Solutions that was established as a holding company for solar projects throughout Minnesota. The system is estimated to produce 1,900,500 kWh per year, which is enough electricity to power 175 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	NOVEL SOLAR ONE, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	07/02/19	6,664,845	0	0	This Rural Development REAP loan guarantee will be used for the purchase and installation for a 4.4 MW Solar PV Array, located in St. Cloud Minnesota. Novel Solar One, LLC is a Special Purpose Entity and subsidiary of Novel Energy Solutions that was established as a holding company for solar projects throughout Minnesota. The system is estimated to produce 5,513,200 kWh per year, which is enough electricity to power 508 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	NOVEL SOLAR THREE, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	07/02/19	6,900,000	0	0	This Rural Development REAP loan guarantee will be used for the purchase and installation for a 4.6 MW Solar PV Array, located in Gibbon Minnesota. Novel Solar Three, LLC is a Special Purpose Entity and subsidiary of Novel Energy Solutions that was established as a holding company for solar projects throughout Minnesota. The system is estimated to produce 5,906,400 kWh per year, which is enough electricity to power 545 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	NOVEL SOLAR TWO, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/27/19	5,000,000	0	0	0

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MINNESOTA	NOVEL SOLAR TWO, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/27/19	5,263,755	0	0	
MINNESOTA	OLSON, DANIEL	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	18,511	0	This Rural Development investment will be used for the purchase and installation of a 37.5kW Solar array. Daniel Olson is a family farm in rural Lewiston Minnesota, will realize $7,926 per year in savings, and will replace 66,781kWh (142%) per year. This project will save enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	PEOPLE'S ENERGY COOPERATIVE	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/19/19	0	15,449	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED Outdoor Lighting System throughout six counties in southeast Minnesota. People s Energy Cooperative is an electric company in Oronoco Minnesota. This project will realize $14,308 per year in savings, and will replace 185,080kWh (80%) per year, which is enough energy to power 17 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	PETERSON, JULIE K	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	11,800	0	This Rural Development investment will be used for the purchase and installation of a 28kW ground solar system. Julie Peterson is a family owned farmer near New Richland Minnesota. This project will replace 52,054kWh (124%) per year and realize $5,013 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	ROBERTS, THOMAS W	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	8,150	0	This Rural Development investment will be used for the purchase and installation of a 21kW ground solar system. Thomas W Roberts is a family owned farmer in rural New Ulm Minnesota. This project will replace 27,600kWh (142%) per year and realize $2,219 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	RURAL STORAGE SOLUTIONS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/19/19	0	19,500	0	This Rural Development investment will be used for the purchase and installation of a 55.02kW Ground Solar array. Rural Storage Solutions LLC is a new business in rural Barnesville Minnesota, will realize $7,869 per year in savings, and will replace 74,238Wh (100%) per year. This project will save enough electricity to power 6.8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	SCHAEFER FARMS INC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/17/19	0	100,442	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Schaefer Farms is a small family farm in rural Hancock Minnesota. This project will realize 558,967 per year in savings, and will replace 1,593,874kWh (%) per year, which is enough energy to power 147 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	SCHWARZ, GREGORY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	15,000	0	This Rural Development investment will be used for the purchase and installation of a 42kW Ground Solar array. Gregory Schwarz is a family farm in rural Le Sueur Minnesota, will realize $9,471 per year in savings, and will replace 71,366kWh (100%) per year. This project will save enough electricity to power 6.5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	SOUTHWEST INIT FOUN	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/26/19	0	36,238	0	
MINNESOTA	SPINLER, BRAD	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/20/19	0	10,944	0	This Rural Development investment will be used for the purchase and installation of a 21kW ground solar system. Brad Spinler is a family owned farmer in rural Morristown Minnesota. This project will replace 39,768kWh (97%) per year and realize $4,814 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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MINNESOTA	SPONBERG, DAVID	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	10,000	0	This Rural Development investment will be used for the purchase and installation of a 56kW Solar array. David Sponberg is a family owned farmer in New Richland Minnesota, will realize $8,762 per year in savings, and will replace 101,495kWh (119%) per year. This project will save enough electricity to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	STARK WINES, LLC DBA NORTH FOLK WINERY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/13/19	0	15,500	0	This Rural Development investment will be used for the purchase and installation of a 24kW ground solar system. Stark Wines, LLC dba North Folk Winery is a small winery in rural Harris Minnesota. This project will replace 32,500kWh (%) per year and realize $ of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	THE KERKHOVEN BANNER	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/24/19	0	15,330	0	This Rural Development investment will be used for the purchase and installation of a 20.44kW roof solar system. The Kerkhoven Banner is a locally owned small newspaper business in rural Kerkhoven Minnesota. This project will replace 24,714kWh (302%) per year and realize $2,842 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	THOMAS, CHRISTOPHER WAYNE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/25/19	0	15,947	0	This Rural Development investment will be used for the purchase and installation of a 120kW Wind Turbine. Christopher Wayne Thomas, a small rural business, will realize $9,234 per year in savings, and will replace 367,920kWh (98 %) per year. This project will save enough electricity to power 34 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	TONY'S MARKET INC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/05/19	0	6,358	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of Energy Optimization System. Tony s Market, Inc is a small business in Karlstad Minnesota. This project will realize $26,807 per year in savings, and will replace 64,759 (16%) per year, which is enough energy to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	TRAYNOR FARMS LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/17/19	0	26,250	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Traynor Farms LLC is a small family farm in rural Janesville Minnesota. This project will realize $14,705 per year in savings, and will replace 644,328kWh (41%) per year, which is enough energy to power 59 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	TRIPLE C FEEDERS LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/05/19	0	12,500	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Triple C Feeders is an Ag Producer farm that also raises cattle in rural Balaton Minnesota. This project will realize $7,744 per year in savings, and will replace 180,925kWh (50%) per year, which is enough energy to power 16 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	TURNER, BRUCE A	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/08/19	0	6,800	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Bruce A. Turner is a small family farm in rural Stewartville Minnesota. This project will realize $5,641 per year in savings, and will replace 99,699kWh (44%) per year, which is enough energy to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	UNIVERSITY OF MN	REAR	RENEWABLE ENERGY DEVLP ASSISTANCE GRANTS	03/20/19	0	100,000	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to develop renewable energy opportunities.

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MINNESOTA	VANDENDRIESSCHE BROS, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/19/19	0	17,500	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Vandendriessche Bros LLC is a family farm in rural Marshall Minnesota. This project will realize $9,036 per year in savings, and will replace 155,134kWh (71%) per year, which is enough energy to power 14 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	WALKES, ROGER H	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/22/19	0	12,029	0	This Rural Development investment will be used for the purchase and installation of a 33.66kW ground solar system. Roger H. Walkes is a family owned farmer in rural Plainview Minnesota. This project will replace 44,213kWh (132%) per year and realize $5,908 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	WALSH, BARRY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/10/19	0	15,000	0	This Rural Development investment will be used for the purchase and installation of a 46kW roof mounted solar system. Barry Walsh is a family owned farmer. This project will replace 60,369Wh (88%) per year and realize $6,358 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	WIEBKE FUR CO. INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/19/19	0	18,750	0	This Rural Development investment will be used for the purchase and installation of a 40kW Solar array. Wiebke Fur Co is a rural, family owned and operated fur trading and hunter goods store near Spring Grove Minnesota, will realize $8,451 per year in savings, and will replace 70,433Wh (100%) per year. This project will save enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	WILSON & WILSON FAMILY FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 50kW roof solar array. Wilson and Wilson Family Farm LLC is a family farm in rural Preston Minnesota, will realize $10,403 per year in savings, and will replace 80,233kWh (70%) per year. This project will save enough electricity to power 7.4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	WILSON, EVAN	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/10/19	0	11,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Evan Wilson is a small family farm in rural Willmar Minnesota. This project will realize $6,214 per year in savings, and will replace 163,366kWh (51%) per year, which is enough energy to power 15 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	WOESTENHOFF, KRISTA	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/21/19	0	14,000	0	This Rural Development investment will be used for the purchase and installation of a 21kW ground solar system. Krista Woestehoff is a family owned farmer in rural Belle Plaine Minnesota. This project will replace 53,007kWh (124%) per year and realize $6,903 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MINNESOTA	WRIGHTSUN LLC	BI	GUARANTEED B&I 3% FEE LOAN	12/12/18	8,200,000	0	0	This Rural Development loan will be used to refinance a bridge loan to construct a 6.5 MWdc utility grade PV solar array in St. Michael, Minnesota. WrightSun is a subsidiary of Cypress Creek Power II, LLC.
MINNESOTA	ZANTO, KEITH	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/20/19	0	18,750	0	This Rural Development investment will be used for the purchase and installation of a 37.5kW Solar array. Keith Zanto is a family farm in rural St Charles Minnesota, will realize $8,733 per year in savings, and will replace 72,779kWh (440%) per year. This project will save enough electricity to power 6.7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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MINNESOTA	ZWEBER FARMS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/11/19	0	16,250	0	This Rural Development investment will be used for the purchase and installation of a 27.3kW roof solar system. Zweber Farms, LLC is a family owned dairy farm in rural Elko New Market Minnesota. This project will replace 31,985kWh (%) per year and realize $4,358 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MISSISSIPPI	BIG H DIRECTIONAL DRILLING COMPANY, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	6,733	0	This Rural Development investment will be used for the purchase and installation of a small solar pv system. Big H Directional Drilling, Inc. is a small oil field and management consulting business located at 2580 Hwy 84 West in Brookhaven, MS. Project funds will be used to install a renewable energy system by installing a small solar pv that will be mounted to the roof of the office's facility. This project will replace $951 of energy a year. Additionally, this project will potentially produce 10,400kwh of energy annually, replacing 51.4% of the typical recent 12 month energy consumption, which is enough electricity to power .96 homes.
MISSISSIPPI	BMW FARMS INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/11/19	0	20,000	0	This rural Development investment will be used to install brooders, baffels, fans & etc to the poultry farmer BMW Farms, Inc (female owned); 238 County Road 273; Bay Springs, MS Jasper County; Congressional District 3 Harper. Project is for EE improvements to poultry broiler grower houses resulting in net annual energy savings. The projected annual energy savings is 26,965 kwh. This project is located in a persistant poverty area. There will be no jobs saved or created. Estimated payback period is 15 years.
MISSISSIPPI	BRANCH POULTRY FARM, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/17/19	0	67,215	0	This Rural Development investment will be used for the purchase and installation of energy efficiency improvements to 8 poultry houses. Branch Poultry is located at 69 Branch Rd in Foxworth, MS. Project funds will be used to make energy efficiency improvement with the purchase and installation of fans, foam board and walls, and replacing brooders on the poultry houses.
MISSISSIPPI	CHROMCRAFT REVINGTON DOUGLAS IND. LTD.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/17/19	0	92,812	0	This Rural Development investment will be used for the purchase and installation of LED lighting upgrades. The Chromcraft Revington Douglas location in Sardis is where the manufacturing, warehouse and distribution operations take place. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting upgrades. This project will realize $91,843 per year in savings. Additionally, this project will save 1,248,328 kwh of electricity per year (82%) which is enough electricity to power 115 homes.
MISSISSIPPI	CITY OF SARDIS	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	164,202	0	Congressman Bennie Thompson Senator Roger Wicker Senator Cindy Hyde-Smith
MISSISSIPPI	CLARKSDALE, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	53,798	0	Representative Bennie Thompson Senator Roger Wicker Senator Cindy Hyde-Smith
MISSISSIPPI	COMMUNITIES UNLIMITED,INC	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	75,000	0	This Rural Development investment will be used to provide customized technical assistance and training that leads to the startup and growth of rural businesses in 52 Mississippi counties, 44 of which are Persistent Poverty.
MISSISSIPPI	DELTA HEALTH ALLIANCE, INC.	DLHT	PERSISTENT POVERTY DELTA HEALTH CARE GRANT	05/24/19	0	861,997	0	This Rural Development investment will be to assist the Delta Opioid Taskforce (DOT) Initiative's purpose to increase access and outcomes relating to treatment and counseling services for opioid abuse in eight rural counties of the Mississippi Delta (Bolivar, Coahoma, Humphreys, Issaquena, Sharkey, sunflower, Warren and Washington).
MISSISSIPPI	DELTA HEALTH ALLIANCE, INC.	DLHT	DELTA HEALTH CARE SERVICES GRANT	05/24/19	0	137,336	0	This Rural Development investment will be to assist the Delta Opioid Taskforce (DOT) Initiative's purpose to increase access and outcomes relating to treatment and counseling services for opioid abuse in eight rural counties of the Mississippi Delta (Bolivar, Coahoma, Humphreys, Issaquena, Sharkey, sunflower, Warren and Washington).
MISSISSIPPI	DELTA REGIONAL AUTH	RBOG	DELTA REGIONAL AUTHORITY GRANTS - RCAP	02/11/19	0	1,521,242	0	This Rural Development investment will be used for technical assistance to 252 Counties/Parishes in 8 Regions. This project is for non-persistent property. Kelly District 1; Thompson District 2; Harper District District 3 and Palazzo District 4. Delta Regional Authority (DRA) will bring rural community advancement programs to non persistent property. DRA, 236 Sharkey Street, Suite 400, Clarksdale, MS 38614, County Coahoma. 662-483-8212 and email address shoskins@dra.com

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MISSISSIPPI	DELTA REGIONAL AUTH	RBOG	PERSISTENT POVERTY RBCS DELTA REGIONAL AUTHORITY GRANTS RCAP	08/08/19	0	1,500,000	0	This Rural Development investment will be used for technical assistance to 252 Counties/Parishes in 8 Regions. This project is for persistent property. Kelly District 1; Thompson District 2; Harper District 3 and Palazzo District 4. Delta Regional Authority (DRA) will bring rural community advancement programs to persistent property. DRA 236 Sharkey Street, Suite 400, Clarksdale, MS 38614, County Coahoma 662-483-8212 and email address shoskins@dra.com.
MISSISSIPPI	DELTA REGIONAL AUTH	RBOG	PERSISTENT POVERTY RBCS DELTA REGIONAL AUTHORITY GRANTS RCAP	02/13/19	0	1,500,000	0	This Rural Development investment will be used for technical assistance to 252 Counties/Parishes in 8 Regions. This project is for persistent property. Kelly District 1; Thompson District 2; Harper District 3 and Palazzo District 4. Delta Regional Authority (DRA) will bring rural community advancement programs to persistent property. DRA 236 Sharkey Street, Suite 400, Clarksdale, MS 38614, County Coahoma 662-483-8212 and email addres shoskins@dra.com
MISSISSIPPI	DELTA REGIONAL AUTH	RBOG	DELTA REGIONAL AUTHORITY GRANTS - RCAP	08/08/19	0	1,166,667	0	This Rural Development investment will be used to provide technical assistance for business and economic development planning. The service area is the eight-state Delta Regional Authority (DRA) Lower Mississippi Delta designation. The DRA region has been documented by numerous studies and agencies as one of the poorest regions in the U.S. These funds will provide a means for continuing and accelerating a process of rural and community development, and it will concentrate much of its efforts in the rural areas of the Delta region.
MISSISSIPPI	DIGITAL MEDIA LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/13/18	2,000,000	0	0	This Rural Development loan guarantee investent will be used for the purchase and construction of two billboards in Rankin County along with expansion. The Borrower is a large billboard owner and seller of advertising. The business aquisition will prevent the loss of employment. There wil be one job create two jobs saved. The owner is Leonard Busby, business is located at 1746 Wansley Road, Laural, MS 39440 Congressional district 04 Palazzo. This business has been in business since 1994.
MISSISSIPPI	DREAM ACRES LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/09/19	0	55,517	0	This Rural Development investment will be used to install lamps, dimmers and surge protectors for energy efficiency to eight poultry grower house. Dream Acres, LLC is a poultry farm located at 60 J W Magee Rd. in Tylertown, MS. Project funds will be used to make energy efficiency improvements with the purchase and installation of energy efficiency improvements to 8 poultry broiler grower houses resulting in significant annual energy savings. This project will realize $31,941 per year in savings. Additionally, this project will save 74,482 kwh of electricity which is enough electricity to power 6 homes and 22,348 gallons of propane per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MISSISSIPPI	EASTERN FISHING & RENTAL TOOL CO. INC.	BI	GUARANTEED B&I 3% FEE LOAN	04/23/19	10,000,000	0	0	Rural Business Guaranteed Loan program will assist Eastern Fishing & Rental Tool Company with a refinance in Laurel, MS, Jones County.
MISSISSIPPI	HARDIN TRUCKING COMPANY INC	BI	GUARANTEED B&I 3% FEE LOAN	10/30/18	4,147,000	0	0	0
MISSISSIPPI	HERNANDO, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	99,000	0	Representative -- Trent Kelly Senator -- Roger Wicker & Cindy Hyde-Smith
MISSISSIPPI	J & J BAGGING, LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/29/19	3,296,000	0	0	Loan funds will be used to refinance existing equipment and real estate debt, and payoff capital leases 61 days or older.
MISSISSIPPI	JOST, KENDALL L	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/09/19	0	14,915	0	This Rural Development investment will be used for the purchase and installation of oxygen monitoring systems with computer controllers for pond aeration systems. Kendall Jost is the owner/operator of Kendall Fish Farm located at 580 N. County Line Rd. in Brooksville, MS. This Project funds will be used to make energy efficiency improvements with the purchase and installation of oxygen monitoring systems with computer controllers for pond aeration systems to 7 catfish production ponds resulting in significant annual energy savings. This project will realize $9,098. This project will save 11,000 kwh of electricity and 667 gallons of diesel (36.8%) which is enough electricity to power 1 home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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MISSISSIPPI	KASED BROS. HALLAL MEAT, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/17/19	0	25,321	0	This Rural Development investment will be used for the purchase and installation of a renewable energy system. Kased Brothers is a rural small meat processing business. Project funds will be used for the purchase and installation of a Large PV solar system. This project will realize $6,828 per year in savings. Additionally, this project will replace 56,907 kwh of energy per year (54.5%) which is enough energy to power 5,25 homes. The purpose of this funding is to assist farmer, ranchers, and rural small business in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MISSISSIPPI	MAGNOLIA METAL AND PLASTIC PRODUCTS INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/04/19	0	6,181	0	This Rural Development investment will be used to install LED lighting upgrade for the production areas, storage areas, and offices of the plant. The LED fixtures will be replacing old, inefficient metal halide and fluorescent lighting at Magnolia Metal and Plastic Products, Inc., 101 County Lane, Vicksburg, MS 39180 Warren County Congressional District 02 Thompson. Annual amount of energy to be saved is 138,492 kwh, payback period 2 years.
MISSISSIPPI	MCCLENDON, TRINA B	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/26/19	0	20,000	0	Rural development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operatins. This project will assist in installing broiler lamps to eight chicken broiler houses at Mr. Dennis E. McClendon 1094 Trinity Farm Lane, Magnolia, MS 39652-3800 601-551-0005 3n1farms@wildblue.net. Congressional District 03 Harper
MISSISSIPPI	MS ASSOC OF COOPERATIVES	SSDPG	PERSISTENT POVERTY GRANTS TO ASSIST MINORITY PRODUCERS	09/25/19	0	175,000	0	This Rural Development investment will be used to assist with technical assistance to educate cooperative and to improve networking opportunities and product marketing. This grant will provide technical assistance to a total of 12 different cooperatives/groups. The grant period January 1, 2020 to December 30, 2020.
MISSISSIPPI	MS ASSOC OF COOPERATIVES	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/25/19	0	81,708	0	This Rural Development grant will be used with technical assistance to provide education through workshops/presentations, establish and/or strengthen new cooperative businesses and help establish links with national and regional development partners to advance use of the cooperative business model. The grant will provide technical assistance to two new groups and at least 4 cooperative/mutually owned businesses.
MISSISSIPPI	NATCHEZ, INC	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	60,000	0	
MISSISSIPPI	NORTH CENTRAL PLANNING & DEVELOPMENT D	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	240,000	0	The proposed projects will be located in the Mississippi 2nd Congressional district.
MISSISSIPPI	PHILLIPS, PERRY WAYNE	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/24/19	0	6,675	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operation. Perry Wayne Phillips d/b/a PWP Farms, LLC, an agricultural producer (poultry grower) has been in business since 05/15/1996. Project funds will be used to make energy efficiency improvements with the purchase and installation of end door abd ceiling insulation. This project will realize $3,355 per year in savings and will save 13,739 kWh of electricity per year (13.4%) which is enough electricity to power 13 homes.
MISSISSIPPI	REX LUMBER - BROOKHAVEN, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/09/19	0	68,012	0	This Rural Development investment will be used for the purchase and installation of LED lighting upgrades. Rex Lumber - Brookhaven, LLC is a lumber mill located at 810 W.L. Behan Rd. in Brookhaven, MS. Rex Lumber has been owned by the McRae family since 1926. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting upgrades. This project will realize $76,165 per year in savings. Additionally, this project will save 1,102,012 kwh of energy per year which is 72%, which is enough energy to power 101.69 homes.
MISSISSIPPI	SCENIC RIVERS DEVELOPMENT ALLIANCE	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	99,800	0	
MISSISSIPPI	SINGING RIVER EPA	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	02/05/19	0	0	2,000,000	This Rural Development Investment will be used for equipment purchase. George Regional Health System, 859 Winter Street, Lucedale, MS 39452. 601-947-3161. Congressional District 04, Palazzo.
MISSISSIPPI	SN PROPERTIES FUNDING VI GREENVILLE LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/10/19	4,575,000	0	0	
MISSISSIPPI	SULLIVAN REALTY LLC	BI	GUARANTEED B&I 3% FEE LOAN	05/28/19	3,261,137	0	0	PROJECT LOAN FUNDS WILL BE USED TO PURCHASE REAL ESTATE PROPERTY FOR A GROCERY STORE, EQUIPMENT, AND RENOVATIONS.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSISSIPPI	TOLBERT, CASEY D	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/17/19	0	49,893	0	This Rural Development investment will be used for the purchase and installation of energy efficient improvements to 5 poultry broiler grower houses. The applicant, Casey D. Tolbert, owns and operates a family-owned, poultry broiler farm that will benefit from the proposed project. This project will save 74,771 kwh of electricity and 8,661 gallons of propane valued at $16,784, which is enough energy to power 6.89 homes.
MISSISSIPPI	TOWN OF TCHULA	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	159,200	0	0
MISSISSIPPI	VICKSBURG FOREST PRODUCTS LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/09/19	0	250,000	0	This Rural Development investment will be used to make improvements to Vicksburg Forest Products, LLC, a Southern Yellow Pine lumber manufacturing saw mill located at 1725 North Washington Street, Vicksburg, MS 39183. There will be two energy efficiency measures included in this project: upgrading to LED lighting and making improvements to the compressed air system. The LED lighting upgrade is for the majority of the site. The compressed air improvements will calibrate the system to be more efficient and automate the compressors to more than accurately control their usage and flow. This project will realize $374,032 per year in savings. The estimated electrical savings is 5,013,836 kwh/year (63%), which is enough energy to power 462 homes. The purpose of this funding is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MISSISSIPPI	WALTER PILLOW AND SONS PLANTING COOMPANY	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/07/19	0	20,000	0	This Rural Development investment will be used to make energy efficient improvements to its grain drying and storage facilities. The applicant, Walter Pillow & Sons Planting Company, owns and operates a 6500 acre- cotton, corn, and soybean family farm in Leflore County, Mississippi. This project will realize $3,929 per year in savings, and will replace 22,064 kWh per year, which is enough energy to power 2.03 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy -efficiency improvements to their operations.
MISSOURI	A & A HOSPITALITY LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 99 kW solar array. A & A Hospitality, LLC operates Angel Inn in Branson, Mo. They will replace 120,731 kWh (30%) per year. This project will save enough electricity to power 11 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations. Total project costs $180,000; applicant contribution $160,000. Special Initiative: Opportunity Zone, Underrepresented Groups
MISSOURI	A.S., INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	10,500	0	This Rural Development investment will be used for the purchase and installation of a 19.71 kW solar array system for this agriculture bin sales/construction business in Macon, Mo. This project will realize $3,410 per year in savings, and will replace 27,333 kWh (100%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $42,000; $31,500 borrower contribution. Special Initiatives- Veteran, Outmigration
MISSOURI	AFS JEFFERSON CITY, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 149.9 kW solar array on this lessor of self-storage units business in Jefferson City, Mo. This project will realize $19,786 per year in savings, and will replace 190,701 kWh (64%) per year which is enough electricity to power 17 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $344,770; $324,770 borrower contribution. Special Initiatives- Opportunity Zone
MISSOURI	ANGLIN ENGINEERING COMPANY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	10,000	0	This Rural Development investment will be used for the purchase and installation of a 31 kW solar array system for this woodworking/cabinet business in St. Clair, Mo. This project will realize $4,203 per year in savings, and will replace 38,420 kWh (79%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $46,879; $36,879 borrower contribution.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	AVA CITIZEN'S ACTION LEAGUE	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	5,500	0	This Rural Development investment will be used to assist the Ava Citizen's Action League to purchase a bucket truck. This will assist the local area businesses in updating their store front appearances at a very minimal cost to the business owner. This will be helpful to all local business owners in this designated Strike Force County.
MISSOURI	B-BUILT MFG. LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/16/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 79.2 kW solar array for this agriculture machinery manufacturing business in Jefferson City, Mo. This project will realize $10,751 per year in savings, and will replace 98,635 kWh (98%) per year which is enough electricity to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $142,884; $122,884 borrower contribution.
MISSOURI	BARNABAS ASSISTED LIVING OF MISSOURI LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/25/19	1,707,000	0	0	This Rural Development loan guarantee investment will be used to assist in debt refinancing for an existing licensed assisted living facility. The refinancing/debt restructure will free up cash flow which will allow the business to expand their employment opportunities. Also, the business is planning on expanding the assisted living facility to increase the number of beds in the facility. The business has been in operation since June 2013. This will create 3 new jobs and save 11 jobs for the business, which is located in a designated Strike Force County.
MISSOURI	BARRY ELECTRIC COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	05/13/19	0	0	250,000	This Rural Development loan investment will be used to make building improvements to WinTech's current vacant building. The improvements will assist WinTech in expanding their company. This project will save 20 jobs and create 30 new jobs. WinTech's building is located in Cassville, MO; Barry County which is a strike force county. Total project cost of $650,000 includes: Rural Development's Rural Economic Development loan $250,000 and applicant contribution $400,000. 10 years at .25%
MISSOURI	BD BRANSON VICTORIAN LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/05/19	0	40,500	0	This Rural Development investment will be used for the purchase and installation of an 85.14 kW solar array. Located in Branson, Mo., BD Branson Victorian LLC provides hotel accommodations to the local Branson, Mo. and lake area tourist market. This project will realize $16,601 in savings annually, replacing 114,489 kWh (62%) of electricity per year, which is enough electricity to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total eligible project cost $162,000; $121,500 borrower contribution. Special Initiatives- Opportunity Zone
MISSOURI	BEAN OF MOBERLY, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	4,125	0	This Rural Development investment will be used for the purchase and installation of a 7.2 kW solar array system for this restaurant/coffee shop in Moberly, Mo. This project will realize $1,117 per year in savings, and will replace 10,542 kWh (54%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $16,500; $12,375 borrower contribution. Special Initiatives-Opportunity Zone
MISSOURI	BEARD, MARK	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	14,466	0	This Rural Development investment will be used for the purchase and installation of a 27.06 kW solar array. Mr. Mark Beard has owned Beardies Collision, an auto body repair shop, since 2013 and is located in Lockwood, Mo. This project will realize $3,742 in savings annually, replacing 30,179 kWh (100%) of electricity per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total eligible project cost $57,865; $43,399 borrower contribution. Special Initiatives - Strike Force Area, Rural Poverty Target Strategy, Medically Underserved Area, Outmigration

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	BENWARE TRACTOR & AUTOMOTIVE, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/02/18	1,080,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of a tractor and auto supply business located in the Urich, MO community of 505 residents. This business has been in this community for 39 years. This business has a loyal customer base in Henry and surrounding counties. Total cost for the project is $1,376,420 with business acquisition being $1,350,000, guarantee fee of $25,920, and other fees of $500. USDA Rural Development guaranteed loan is $1,080,000O, applicant contribution of $161,420, and seller financing of $135,000 (0% for 7 years). The project will save 5 jobs in this rural community. Lender is Bank of Springfield out of Illinois.
MISSOURI	BERRY BROTHERS FARM	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/02/19	0	26,963	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of electric motors which will be converted from diesel irrigation and grain drying/handling motors. Berry Brothers Farm is a family owned farming corporation that raises 3,300 acres of rice and soybeans at its facility in Neelyville, Mo. This project will realize $62,636 per year in savings, and will replace 1,234,204 kWh per year, which is enough energy to power 113 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost- $107,885; borrower contribution- 80,922. Special Initiatives- Strike Force Area, Rural Poverty Target Strategy and Qualified Opportunity Zone.
MISSOURI	BOHON FARMS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/05/19	0	43,312	0	This Rural Development investment will be used for the purchase and installation of an 82.5 kW solar array. Bohon Farms, LLC, a family run poultry farm in rural Windsor, Mo, will replace 122,677 kWh (67.5%) per year. This project will save enough electricity to power 11 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project costs $173,250; borrower contribution $129,938.
MISSOURI	BOHR FARMS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/02/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 44.85 kW solar array for this beginning farmer (swine production) in Martinsburg, Mo. This project will realize $7,115 per year in savings, and will replace 67,275 kWh (59%) per year which is enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $83,690; $63,690 borrower contribution. Special Initiatives- Underrepresented Groups (Beginning Farmer)
MISSOURI	BOONDOCKS BBQ, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/09/19	135,000	0	0	This Rural Development loan guarantee investment will be used to assist the borrower with a business acquisition of an existing restaurant located in the central Missouri community of Fayette. This business will provide meals and entertainment to residents in the area. This project will save 4 full-time jobs.
MISSOURI	BRAKE AUTO & TIRE BOY'S, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	14,687	0	This Rural Development investment will be used to purchase a 50 kW solar array. Brake Auto & Tire Boy's, LLC is a family owned business that has been providing auto repair services in Branson, Mo since 2007. They will realize $8,719 in savings annually and will replace 59,680 kWh (103%) which is enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Total project costs $117,500; borrower contribution $102,813. Special Initiatives- Opportunity Zone
MISSOURI	BRANSONBNB, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/24/19	0	4,831	0	This Rural Development investment will be used for the purchase and installation of a 20.46 kW solar array. Located in Reeds Spring, Mo., BransonBNB, LLC provides bed and breakfast accommodations to the local Branson, Mo. and lake area tourist market. This project will realize $2,936 in savings annually, replacing 28,106 kWh (51%) of electricity per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Special Initiatives- Rural Poverty Target Strategy, Opportunity Zone

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	BROWN, DAVID	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/25/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 57.72 kW solar array for this swine production business in Newtown, Mo. This project will realize $7,039 per year in savings, and will replace 81,550 kWh (78%) per year which is enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $101,010; $81,010 borrower contribution. Special initiatives - Rural Poverty Target Strategy, Opportunity Zone, Medically Underserved Area, Outmigration
MISSOURI	BRUNSCHER, WILLIAM	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/17/19	0	7,552	0	This Rural Development investment will be used for the purchase and installation of a 11 kW solar array on the family farm of William Brunscher in Bogard, Mo. This project will realize $2,800 per year in savings, and will replace 16,506 kWh (99%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $30,210; $22,658 borrower contribution. Special initiatives - Outmigration, Veteran
MISSOURI	BRUTON AND CO., LLC	BI	GUARANTEED B&I 3% FEE LOAN	06/28/19	2,240,000	0	0	This Rural Development loan guarantee investment will be utilized to assist an existing business to restructure their existing debt for more favorable rates and terms, along with completing real estate improvements. This will create 0 new jobs and save 20 jobs in Jasper County, MO.
MISSOURI	CALTON CREEK PROPERTIES, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/04/19	0	40,500	0	This Rural Development investment will be used for the purchase and installation of an 85.76 kW Solar Array. Calton Creek Properties, LLC is the real estate holding company for Edgewood Creamery, LLC which produces and sells artisanal cheeses and bottled milk in rural Purdy, Mo. Their products are also distributed throughout Southwest Missouri, Northwest Arkansas and Northeastern Oklahoma. This project will generate 127,047 kWh per year. This is enough electricity to power 11 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Total project cost $162,000, applicant contribution $121,500. Special Initiatives- Strike Force Area, Medically Underserved Area, Opportunity Zone
MISSOURI	CAMERON, MILES	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/02/19	0	7,481	0	This Rural Development investment will be used for the purchase and installation of a 26.64 kW solar array for this agriculture producer in Luray, Mo. This project will realize $1,475 per year in savings, and will replace 18,095 kWh (66%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $42,757; $35,276 borrower contribution. Special initiatives - Outmigration
MISSOURI	CAMP MI CASA ON THE ROUTE RV PARK, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/02/19	0	64,902	0	This Rural Development investment will be used for the purchase and installation of and 153.3 kW solar array. Camp Mi Casa on the Route RV Park, LLC, is a family owned and operated RV park catering to travelers along Historic Route 66 in rural Carthage, Mo. This project will save $29,075 and replace 226,621 kWh (89%) per year. This is enough electricity to power 20 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Total project cost $260,610; applicant contribution $195,708. Special Initiative: Strike Force Area, Opportunity Zone
MISSOURI	CENTRAL STATES SOLAR, L.L.C.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 54 kW solar array. Central States Solar, L.L.C., managed by Nathan Dirnberger, is a electric generation company that will supply solar power to 3 poultry barns at its facility in Benton, Mo. This project will realize $8,411 per year in savings, and will generate 82,300 kWh per year, which is enough energy to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $80,000; $60,000 borrower contribution. Special initiatives - Strike Force Area, Outmigration, Medically Underserved Area, Opportunity Zone

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	CHAMPION PRECAST, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/06/19	0	20,010	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the manufacturing facility in Troy, Mo. Champion Precast is an existing business that manufactures precast concrete products to the local area. This project will realize $11,159 per year in savings, and will replace 111,704 kWh (65%) per year, which is enough electricity to power 10 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost- $97,950; borrower contribution- 77,940.
MISSOURI	CHAMPION PRECAST, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/02/19	0	50,000	0	This Rural Development investment will be used for the purchase and installation of 3 separate solar array systems (23 kW, 35 kW, 150 kW) for this precast concrete manufacturing business in Troy, Mo. This project will realize $24,832 per year in savings, and will replace 256,661 kWh (70%) per year which is enough electricity to power 23 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $331,626; $281,626 borrower contribution.
MISSOURI	CHAPMAN, STEPHEN M	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 35.97 kW solar array. Stephen M. Chapman, owner of Chapman Logging and Sawmill located in rural Newton County, Missouri has been in business for 19 years. This solar array will replace 51,508 kWh (97%) per year, saving $6,335. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Total project cost $89,925; applicant contribution $69,925. Special Initiatives- Medically Underserved Area, Strike Force Area, Opportunity Zone
MISSOURI	CITIZENS ELECTRIC CORPORATION	REDLG	PP-REDL-ELECTRIC REDL - FINANCING (ELECTRIC) - LOAN	09/03/19	0	0	2,000,000	This Rural Development grant investment will be used to expand and renovate Buchheit, Inc.'s three business locations; Biehle, Dudley, and Morehouse, MO. The funds will allow the company to install a new automated seed cleaning and bagging line and improve grain handling equipment in and around production facilities. The additional capacity will allow Buchheit to expand a market that has been growing for the company over the past five years. This company has been serving the agricultural community since 1934. They are a provider of seed, feed, fertilizer, and general farm merchandise in the community surround Biehle, MO.
MISSOURI	CITY OF BERTRAND	RBEG	PERSISTENT POVERTY RBCS BUSINESS ENTERPRISE GRANT	06/06/19	0	14,500	0	This Rural Development grant investment will be used to purchase concrete, pavilion materials and a sign which will all be used as a Farmers Market. The city of Bertrand is a small community that has a very large and diverse farming community surrounding it on all side. They are in hopes the pavilions will be utilized as a farmers market, so farmers can use it as another avenue to market their goods and reach the local community at the same time. The location will be at the city park located edge of the town area near to the cross road of Highway 62 and Route B which has interstate access. It is in a very visible area and is on the main road way. This project will create new growth by helping bring more people into the city on market days and that those customers will visit more than one vender due to them all beign in one location at one time.
MISSOURI	CITY OF SCOTT CITY	RBEG	RBCS ENTERPRISE GRANTS	09/09/19	0	17,355	0	This Rural Development grant investment will be used to build two multipurpose pavilions on city property. Each pavilion will be 12 feet in width, 50 feet in length, and 8-9 feet high from base to ceiling. This project will centralize Scott City's gathering area, which is the focal point for many activities, including weekly farmer's markets and other community events. The pavilions will provide shelter against rain and the sun and provide a clean, organized environment for local farmers and other individuals with smaller gardens to sell vegetables, fruits and other consumables.
MISSOURI	CJ PORK, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/24/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 62.16 kW solar array for this swine production business in Princeton, Mo. This project will realize $9,085 per year in savings, and will replace 89,252 kWh (75%) per year which is enough electricity to power 8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $106,915; $86,915 borrower contribution. Special initiatives - Medically Underserved Area

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	CLEAVER DERMATOLOGY, P.C.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/06/19	0	35,000	0	This Rural Development investment will be used for the purchase and installation of an 73.8 kW solar array. Headquartered in Kirksville, Mo., Cleaver Dermatology, P.C. has provided dermatologic care to northern Missouri and Southern Iowa since 1986. This project will realize $11,316 in savings annually, replacing 102,891 kWh (70%) of electricity per year, which is enough electricity to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total eligible project cost $140,000; $105,000 borrower contribution. Special Initiatives- Rural Poverty Target Strategy, Opportunity Zone
MISSOURI	COMMUNITY COLLEGE DIST. OF CENTRAL SW MO	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	73,500	0	This Rural Development grant investment will be used to expand the Agriculture Program Equipment Expansion at the Richwood Valley Campus which serves the Christian Count service area. The Agriculture Program expansion will provide state of the art training equipment for approximately 145 students annually.
MISSOURI	COMMUNITY FOUNDATION OF NW MISSOURI, INC	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	32,000	0	This Rural Business Development investment will be used to offer business opportunities throughout the four-county pilot region: Gentry, Harrison, Linn, and Nodaway Counties. Specifically, to train, teach, and begin design of a knowledge center and date platform. The Rural Business Development Grant will allow the organization to bring several private data sets and expertise on how to find information that supports economic development and growth. Total project cost of $80,150 includes applicant contribution of $40,880 and Rural Business Development Grant of $39,270.
MISSOURI	COMMUNITY FOUNDATION OF NW MISSOURI, INC	IRP	INTERMEDIARY RELENDING PROGRAM	09/04/19	0	0	1,000,000	Rural Development funds will be used by the Community Foundation of Northwest Missouri to create a revolving loan fund which will provide financing for small businesses in 17 counties in Northwest Missouri. The projects assisted with the loan fund are expected to result in the creation of 20 jobs and save/retain an additional 30 jobs. Total project costs- $1,250,000; borrower contribution- $250,000. Special initiatives- Rural Poverty Target Strategy, Outmigration, Medically Underserved Area
MISSOURI	COMPUTECH MANUFACTURING COMPANY, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/16/19	0	13,357	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the facility. Computech Manufacturing Company is an existing business that provides experience-based engineering, fabrication and installation services to the local area. This project will realize $27,869 per year in savings, and will replace 306,249 kWh (56%) per year, which is enough electricity to power 28 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project costs - $53,428; borrower contribution - $40,071. Special Initiatives- Medically Underserved Area
MISSOURI	COOLEY FARMS OF WINDSOR, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/02/19	0	49,973	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of new LED lighting, insulation, tunnel fans, insulated curtains, and an automated controller in 12 poultry houses. Cooley Farms of Windsor, LLC, owned by David E. Cooley, is a family farm that is a chicken breeder/layer operation in Windsor, Mo. The energy efficiency improvements will realize $25,259 per year in savings and will save over 278,263 kWh (43%) in energy annually, which is enough energy to power 23 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $199,892; $149,919 borrower contribution. Special Initiatives - Strike Force Area, Opportunity Zone
MISSOURI	DAKE & DAKE, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	8,312	0	This Rural Development investment will be used for the purchase and installation of a 21.45 kW solar array. Dake & Dake, LLC, a locally owned family operated law firm in Sedalia, Mo., will replace 31,630 kWh (100%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project costs $33,248; applicant contribution $24,936. Special initiatives: Rural Poverty Targeting Strategy

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MISSOURI	DANIEL HOG FARM LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/16/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 52 kW solar array for this agriculture producer (swine production) in Leonard, Mo. This project will realize $8,095 per year in savings, and will replace 75,400 kWh (64%) per year which is enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $85,385; $65,385 borrower contribution. Special initiatives - Medically Underserved Area, Outmigration
MISSOURI	DELISLE FUNERAL HOME, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	18,750	0	This Rural Development investment will be used for the purchase and installation of a 50 kW solar array for this funeral home business in Portageville, Mo. This project will realize $8,693 per year in savings, and will replace 71,311 kWh (100%) per year which is enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $75,000; $56,250 borrower contribution. Special initiatives - Persistent Poverty County, Opportunity Zone, Rural Poverty Target Strategy, Strike Force Area, Medically Underserved Area, Outmigration
MISSOURI	DELONG'S, INCORPORATED	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/17/19	0	45,204	0	This Rural Development investment will be used to purchase a 99.99 kW solar array. DeLong's Incorporated has been producing architectural and structural metal products in the central missouri area since 1948. They will realize $8,701 savings annually and will replace 135,955 kWh (42%) which is enough electricity to power 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total eligible project costs $180,819; borrower contribution $135,615.
MISSOURI	DEVAULT VETERINARY SERVICES, L.L.C.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/16/19	0	1,542	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout this animal hospital in Mexico, MO. This project will realize $2,108 per year in savings, and will replace 21,917 kWh (75%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost- $6,168; borrower contribution- $4,626. Special Initiatives- Outmigration
MISSOURI	DEVAULT VETERINARY SERVICES, L.L.C.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	19,938	0	This Rural Development investment will be used for the purchase and installation of a 25.08 kW solar array for this veterinary service business in Mexico, Mo. This project will realize $3,627 per year in savings, and will replace 30,518 kWh (57%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $79,754; $59,816 borrower contribution. Special initiatives - Opportunity Zone, Outmigration
MISSOURI	DICKEL FARMS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/17/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 45.5 kW solar array on the recipient's swine confinement facility in Green Castle, Mo. This project will realize $5,894 per year in savings, and will replace 68,250 kWh (70%) per year, which is enough energy to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $83,690; $63,690 borrower contribution. Special Initiatives- Rural Poverty Target Strategy, Opportunity Zone, Medically Underserved Area, Outmigration
MISSOURI	DICKHAUS, MARK L	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 80 kW solar array system for this commercial warehouse facility in St. Clair, Mo. This project will realize $11,087 per year in savings, and will replace 104,529 kWh (90%) per year which is enough electricity to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $118,956; $98,956 borrower contribution.

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MISSOURI	DJ'S TALK TIME LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/06/19	0	20,000	0	This Rural Development investment will be used to purchase a 22.94 kW and a 20.45 kW Solar Array. DJ's Talk Time LLC operates Gator Graphics, a sign business in Warrensburg, Mo. They will realize $5,966 in savings annually and will replace 58,487 kWh (82%). The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficience inprovements to their operations. Total eligible project costs $87,000; applicant contribution $67,000. Special Initiative: Rural Poverty Targeting Strategy, Opportunity Zone
MISSOURI	EAST CENTRAL MACHINE & TOOL COMPANY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 92 kW solar array. East Central Machine & Tool Company, a veteran owned commercial and industrial equipment supplier in St. Clair, Mo, will realize $12,651 per year in savings, and will replace 108,193 kWh (40%) per year. This project will save enough electricity to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Special initiatives- Veteran
MISSOURI	EAST PRAIRIE R-2 SCHOOL DISTRICT	RBEG	PERSISTENT POVERTY RBCS BUSINESS ENTERPRISE GRANT	06/05/19	0	69,371	0	This Rural Development grant investment will be used to expand the East Prairie R-2 School's agriculture department in East Prairie, MO; Mississippi county. The project will include material to purchase an enclosed building (60 feet wide by 80 feet long) and sidewalks leading to the greenhouse. This will allow the entire agricultural education department to operate out of one facility with two instructors. The expansion will give students the opportunity to learn welding, agriculture mechanics, and agriculture animal science and aquaculture, which will give them the skills to better prepare students for occupations in the East Prairie, MO community.
MISSOURI	ELLDEV LC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	57,500	0	This Rural Development investment will be used for the purchase and installation of a 99kW solar array. EllDev LC, a real estate development company, will replace 139,262 kWh (71%) per year for Sacred Heart School in Sedalia, Mo. This project will save enough electricity to power 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $230,000; borrower contribution $172,500. Special initiatives: Rural Poverty Target Strategy
MISSOURI	FANIGANS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	6,398	0	This Rural Development investment will be used for the purchase and installation of a 10.89 kW solar array for this beauty salon business in Waynesville, Mo. This project will realize $8,693 per year in savings, and will replace 1,728 kWh (76%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $25,592; $19,194 borrower contribution. Special initiatives - Opportunity Zone, Medically Underserved Area
MISSOURI	FULLER, JARDIN BLAKE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/16/19	0	18,849	0	This Rural Development investment will be used for the purchase and installation of a 42.9 kW solar array for this agriculture producer (row crop) in Memphis, Mo. This project will realize $8,435 per year in savings, and will replace 60,872 kWh (100%) per year which is enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $79,705; $60,856 borrower contribution. Special initiatives - Rural Poverty Target Strategy, Medically Underserved Area, Outmigration
MISSOURI	GARRY POE HOG FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	14,562	0	This Rural Development investment will be used for the purchase and installation of a 31.2 kW solar array for this agriculture producer (swine production) in Downing, Mo. This project will realize $4,212 per year in savings, and will replace 46,800 kWh (99%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $58,250; $43,688 borrower contribution. Special initiatives - Rural Poverty Target Strategy, Medically Underserved Area, Outmigration

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	GOODEN, DARRELL	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 48.75 kW solar array on the recipient's swine confinement facility in Lancaster, Mo. This project will realize $10,287 per year in savings, and will replace 68,250 kWh (73%) per year, which is enough energy to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $87,287; $67,287 borrower contribution. Special Initiatives- Medically Underserved Area, Outmigration
MISSOURI	GRAND RIVER WELDING INSTITUTE, LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/19/19	128,000	0	0	This Rural Development loan guarantee investment will be used to assist the borrower with real estate improvements (concrete parking lot)at the welding institute in the north central Missouri community of Brookfield. This welding school provides specialized schooling and hands-on education for welding stainless steel, carbon pipe, and food grade projects. This project will save 5 full-time jobs.
MISSOURI	GRANT OLSON DDS PC, ET AL	BI	GUARANTEED B&I 3% FEE LOAN	05/02/19	10,000,000	0	0	This Rural Development investment will be used for the refinance of an interim loan to purchase the land and construction of a new dental facility in Ozark, MO with 10 newly equipped pods for dental and orthodontic procedures. The borrower will continue operating an existing practice in Springfield, Mo, purchased in 2013. The project will create 10 jobs and save 30 jobs in Greene County, Mo.
MISSOURI	GRASSLAND BEEF, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/17/19	0	103,806	0	This Rural Development investment will be used for the purchase and installation of a 201.6 kW solar array for this cold storage business in Canton, Mo. This project will realize $15,936 per year in savings, and will replace 288,233 kWh (18%) per year which is enough electricity to power 26 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $415,225; $311,419 borrower contribution. Special initiatives - Outmigration
MISSOURI	HAUE VALLEY LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 30.9 kW solar array for this wedding venue business in Pacific, Mo. This project will realize $4,261 per year in savings, and will replace 40,833 kWh (73%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $98,280; $78,280 borrower contribution.
MISSOURI	HD GRAPHICS & APPAREL, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/18/19	218,000	0	0	This Rural Development loan guarantee investment will be used to purchase the Dawg House, a screen-printing business located in Odessa, Mo. Purchase price is $260,000, guarantee fees and costs are $10,000. Applicant's equity injection is $52,000. The project will create 2 and save 1 job in rural Lafayette County. Lender is Central Bank of Warrensburg.
MISSOURI	HEARTLAND PORT AUTHORITY OF CENTRAL MO	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	120,000	0	This Rural Development grant investment will be used to implement a north and south port on either side of the Missouri River at Jefferson City, MO; as well as, repairing roads and bridges leading to the ports. The south port is within the city limits of Jefferson City, Cole county. The north port is within a rural area of Callaway county. These ports will be connect to other inland waterways, including Ohio and Mississippi rivers. Those connections provide maritime access to the world. The roadways leading to the two ports will be repaired to decrease damage to the vehicles coming to and from the ports.
MISSOURI	HEARTLAND SOLAR SYSTEMS, L.L.C.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/08/19	0	49,999	0	This Rural Development investment will be used for the purchase and installation of a 137 kW solar array for this poultry broiler production business in Benton, Mo. This project will realize $21,292 per year in savings, and will replace 206,116 kWh (95%) per year which is enough electricity to power 19 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $199,999; $150,000 borrower contribution. Special initiatives - Strike Force Area, Opportunity Zone, Outmigration
MISSOURI	HENSON TRASH SERVICE INC	BI	GUARANTEED B&I 3% FEE LOAN	04/30/19	900,000	0	0	This Rural Development loan guarantee investment will be used to assist an existing business, Henson Trash Service Inc with an expansion. The existing business is located in Wayne County, MO, a Persistent Poverty county and designated Strike Force County. This business expansion will create 2 New Jobs and Save 1 Job for this geographic area.

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MISSOURI	HUGHES SCREEN & ALUMINUM, LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/08/19	667,914	0	0	This Rural Development loan guarantee investment will be used to purchase and remodel a building, purchase equipment, and restructure existing debt to allow for growth. The business specializes in aluminum handrails for multi-family housing and retirement centers. The project will create 5 jobs and save 23 jobs in rural Morgan County, MO. Lender is Central Bank of Lake of the Ozarks. Special Initiatives: Strike Force
MISSOURI	INVISIBLE FENCE OF SPRINGFIELD MISSOURI,	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/06/19	0	15,288	0	This Rural Development investment will be used for the purchase and installation of a 29.12 kW solar array. Invisible Fence of Springfield Missouri, LLC sells and installs electronic pet containment fencing. This project will generate 43,776 kWh per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Total project cost $61,152; applicant contribution $45,864. Special Initiatives-Medically Underserved Area, Outmigration
MISSOURI	JOHN F. MEYER, INC. (DBA RITE-WAY TRUCK)	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/17/19	0	9,415	0	This Rural Development investment will be used for the purchase and installation of a 11.34 kW solar array for this truck broker business in Jefferson City, MO. This project will realize $1,259 per year in savings, and will replace 13,792 kWh (51%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $37,660; $28,245 borrower contribution. Special Initiatives-Opportunity Zone
MISSOURI	JOSHUA & LAURA SMITH PROPERTIES LLC	BI	GUARANTEED B&I 3% FEE LOAN	06/18/19	102,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of commercial real estate property located in Ashland, MO a community of 3,707 residents. This project is the acquisition of an existing child daycare business. Total cost for the project is $354,000 for the purchase of commercial real estate property for $272,000, equipment purchases of $68,000, and assist with $14,000 in closing fees. USDA Rural Development guaranteed loan is $320,000, applicant contribution of $34,000. The project will save 12 jobs and create 4 jobs in this rural community. Lender is The Bank of Missouri.
MISSOURI	K&W CRIST LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/05/18	98,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of a hardware supply business located in the Paris, MO community of 1,202 residents. This business has been in this community for many years. This business has a loyal customer base in Monroe and surrounding counties as they provide a diversified array of home, construction, and farm supplies. Total cost for the project is $269,000 with business acquisition being $259,000, guarantee fee of $5,040, and other fees of $4,960. USDA Rural Development guaranteed loan is $210,000 and the applicant contribution of $59,000. The project will save 4 jobs in this rural community. Lender is Alliant Bank.
MISSOURI	K&W CRIST LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/05/18	112,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of a hardware supply business located in the Paris, MO community of 1,202 residents. This business has been in this community for many years. This business has a loyal customer base in Monroe and surrounding counties as they provide a diversified array of home, construction, and farm supplies. Total cost for the project is $269,000 with business acquisition being $259,000, guarantee fee of $5,040, and other fees of $4,960. USDA Rural Development guaranteed loan is $210,000 and the applicant contribution of $59,000. The project will save 4 jobs in this rural community. Lender is Alliant Bank.
MISSOURI	KINGDOM PROJECTS, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	78,000	0	This Rural Development grant investment will be used to purchase laundry service equipment for Kingdom Project's, Inc. sheltered workshop. The service will benefit the workshop by preserving and adding jobs, training opportunities, and income. The commercial laundry service will relieve the chronic hardship in finding dependable and long-term service and delivery in the community for hotels, catering services, county jail, YMCA, and beauty shops. Kingdom Projects, Inc. has a waiting list of applicants for the workshop, the new service will create 15 new jobs and assist 2 businesses in the first few months. They hope to grow the businesses assisted over the next 18 months, as well as, add equipment within the next 3 years to keep up with demand. Total project cost of $253,000 includes: $98,000 Rural Business Development Grant; $4,000 applicant contribution; $1,000 Carl Debrodie Foundation; $50,000 Green Foundation; and $100,000 Callaway County Special Services.

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MISSOURI	KNIPMEYER FARMS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	9,592	0	This Rural Development investment will be used for the purchase and installation of a 15.84 kW solar array for this agriculture production (diversified crops and cattle) business in Sweet Springs, Mo. This project will realize $2,165 per year in savings, and will replace 18,349 kWh (80%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $39,576; $29,984 borrower contribution. Special initiatives - Opportunity Zone, Outmigration
MISSOURI	L & K, L.L.C., ET AL	BI	GUARANTEED B&I 3% FEE LOAN	08/19/19	1,300,000	0	0	This Rural Development loan guarantee investment will be used to acquire all the assets of a veterinarian clinic known as Ozark Veterinarian Clinic. The borrower is in Ozark, Mo. and performs both large and small animal services to the local area. Total cost for the project is $1,384.1M, $1,340.9M to purchase the practice and all business assets. The guarantee fee and closing costs are $43.2M. The seller is carrying back a loan for $84.1M. The project will save 30 jobs in Christian County, MO. Lender is Central Bank of the Ozarks.
MISSOURI	LANCASTER, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	68,000	0	This Rural Development grant investment will be used to install a sewer in Lancaster's industrial park and connect it to the existing system. The project gives the company, Hart Systems Advanced Machining & Automation Inc. room for expansion. This company will increase tax revenue, jobs, and traffic through Schuyler county. Total project cost of $68,550 includes: $550 applicant contribution and $68,000 Rural Business Development grant.
MISSOURI	LEE, MARK	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	19,000	0	This Rural Development investment will be used for the purchase and installation of a 39.9 kW solar array. Mark Lee, a beginning farmer, purchased a turkey production facility near Miller, Mo in June of 2018. This project will realize $7,260 in savings annually, replacing 58,533 kWh of electricity per year, which is enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total eligible project cost $76,000; $57,000 borrower contribution. Special Initiatives - Underrepresented Groups, Strike Force Area, Medically Underserved Area
MISSOURI	LEWIS ELECTRIC MOTOR, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/17/19	0	14,809	0	This Rural Development investment will be used for the purchase and installation of a 16.2 kW solar array on this automotive repair business in Eureka, MO. This project will realize $2,312 per year in savings, and will replace 20,489 kWh (100%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $59,238; $44,429 borrower contribution. Special Initiatives-Opportunity Zone
MISSOURI	LONE TREE FARMS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	49,725	0	This Rural Development investment will be used for the purchase and installation of a 128.8 kW Solar Array. Lone Tree Farms, Inc has been in business since 1977 and currently produces swine in rural Cass County, Missouri. This project will replace 192,944 kWh (34%) per year. This is enough electricity to power 17 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Total project cost $199,900; applicant contribution $149,925
MISSOURI	M & L VENTURES INC.	BI	GUARANTEED B&I 3% FEE LOAN	10/30/18	347,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of a RV Park with 45 sites and a general store near Table Rock Lake and Silver Dollar City. The Branson area is a popular tourist destination, not only locally, but draws tourist regionally and nationally. Small family style resorts and RV Parks are located throughout the Branson and Table Rock Lake area and the clientele tend to be very loyal. Total cost for the project is $462.1M, purchase price $441.5M, guaranty fee $8.3M, and WIC of $12.3M. USDA RD Gty loan $347M and Owner Contribution of $115.1M. The project will create 1 job and save 2 jobs in rural Stone County, MO. Lender is Table Rock Community Bank.
MISSOURI	MCKINLEY, SHERRY	BI	GUARANTEED B&I 3% FEE LOAN	03/05/19	80,000	0	0	This Rural Development loan guarantee investment will be used to assist an existing local business with a restructure of debt that will provide more favorable interest rate and loan term. This restructure of debt will assist the business (McKinley Auto Body) in creating 1 job and saving 3 jobs in a persistent poverty county and designated strike force county.

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MISSOURI	MCVICKER, RICKY LYNN	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/17/19	0	10,590	0	This Rural Development investment will be used for the purchase and installation of a 38.48 kW solar array for this agriculture producer (swine production) in Bevier, Mo. This project will realize $4,478 per year in savings, and will replace 41,667 kWh (49%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $65,887; $55,297 borrower contribution. Special initiatives - Outmigration
MISSOURI	MENEFEE, MALISHA R	BI	GUARANTEED B&I 3% FEE LOAN	04/17/19	155,000	0	0	This Rural Development loan guarantee investment will be used to assist local business to restructure existing debt for more favorable interest rate and term and expand the business operation. This project will save 2 jobs and create 2 jobs for Wright County, MO; which is a Persistent Poverty County and Designated Strike Force County
MISSOURI	MEXICO PLASTIC COMPANY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 150 kW solar array system for this plastic product manufacturing business in Moberly, Mo. This project will realize $13,460 per year in savings, and will replace 193,921 kWh (2%) per year which is enough electricity to power 17 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $239,978; $219,978 borrower contribution. Special Initiatives- Opportunity Zone, Outmigration
MISSOURI	MID-SOUTH STEEL PRODUCTS, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 65 kW solar array on this petroleum storage tank and equipment manufacturing business in Cape Girardeau, Mo. This project will realize $9,590 per year in savings, and will replace 90,289 kWh (90%) per year which is enough electricity to power 8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $139,750; $119,750 borrower contribution. Special initiatives - Strike Force Area, Rural Poverty Target Strategy, Medically Underserved Area, Opportunity Zone
MISSOURI	MILLER, KEITH	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/04/19	0	2,811	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the facility in Savannah, MO. Keith Miller (dba NW Insurance Agency) is an existing business that provides a variety of insurance services to the local area. This project will realize $1,347 per year in savings, and will replace 7,484 kWh (46%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost- $11,247; borrower contribution- 8,436.
MISSOURI	MILLER, S. DUDLEY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/05/19	0	25,000	0	This Rural Development investment will be used for the purchase and installation of a 100 kW solar array for this general warehouse and storage business in Mexico, Mo. This project will realize $13,044 per year in savings, and will replace 132,252 kWh (50%) per year which is enough electricity to power 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $169,897; $144,897 borrower contribution. Special initiatives - Opportunity Zone, Outmigration
MISSOURI	MISSOURI DEPARTMENT OF AGRICULTURE	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	91,000	0	This Rural Development grant investment will be used to fund phase one of the development of a web portal and application called AgStop. The project will assist farmers, ranchers and agribusinesses interact with Missouri Department of Agriculture through a web base. The purpose is to assist people in knowing every form needed to do business with the department. It will also save customer time by auto-populating the applicants information and allow them to submit regulatory forms, marketing expansion proposals, and funding request at the same time.
MISSOURI	MISSOURI FORGE, INC.	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	11/06/18	4,500,000	0	0	This Rural Development loan guarantee investment will be used to assist an existing business with a restructure of debt. Business has been in operation since 1979 and this will provide financial assistance to attain a more favorable interest rate and loan term to assist with cash-flow. This will create 0 jobs and save 95 jobs in a Persistent Poverty and Designated Strike Force County (Ripley County, MO). Ripley County experienced severe and devastating flooding in June 2017 as well.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	MISSOURI NORTHERN PECAN GROWERS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	35,000	0	This Rural Development investment will be used for the purchase and installation of a 99.99 kW solar array. Located in Nevada, Mo, Missouri Northern Pecan Growers, LLC, processes and distributes American Native wild, organic pecans. This project will realize $14,285 in savings annually, replacing 127,488 kWh (67%) of electricity per year, which is enough electricity to power 11 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total eligible project cost $140,000; $105,000 borrower contribution. Special Initiatives - Strike Force Area.
MISSOURI	MISSOURI SOYBEAN MERCHANDISING COUNCIL	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	100,000	0	This Rural Development grant investment will be used to purchase audio visual equipment in two conference rooms and the education center within the Center for Soybean Innovation, totaling more than 14,350 square feet of connected space. Dedicated office spaces for business incubation and workforce development will also be connected, providing opportunities for networking and growth of other entities within the center. This will give the Center for Soybean Innovation the opportunity to host agricultural, youth and community groups, and to share research results, trainings, workshops and other education programming with current agricultural business owners, as well as, aspiring entrepreneurs through the network across Missouri's rural communities. Total project cost of $229,019 including: $200,000 USDA Rural Business Development Grant and $29,019 applicant contribution.
MISSOURI	MISSOURI STATE HIGHWAY PATROL	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	150,000	0	This Rural Development grant investment will be used to assist the Missouri State Highway Patrol purchase seven Tru Narcs, training equipment and supplies. Tru Narc is a handheld Raman Spectrometer narcotic analyzer. The device can scan drugs directly through most any visible container and identifies the drug present; identifying over 500 suspected controlled substances. This will help save agencies time and money, and increasing officer safety. Total project cost of $272,422.90 includes applicant contribution of $77,256 and Rural Business Development grant of $195,166.90.
MISSOURI	MISSOURI WESTERN STATE UNIVERSITY	RBOG	RBCS DEVELOPMENT GRANT	07/30/19	0	82,000	0	This Rural Business Development investment will be used to ensure Missouri Western State University is able to provide a Mobile Job Center to a four-county region: Andrew, Buchanan, DeKalb, and Clinton counties. The funds will allow Missouri Western State University to provide job search services to both adults and students. Testing services, job training partnerships with local businesses, and general skills training opportunities will all be offered throughout this four-county region. Partner agencies such as Community Action Partnership and Veterans Job Center will have the opportunity to utilize the Mobile Job Center services to greatly improve the prospects of individuals in rural communities seeking employment and improve their overall employability. Missouri Western State University Mobile Job Center will further emphasize one of the University s missions of educating students and adults to enter the workforce. Transportation barriers are major obstacles for rural communities, through the development of this Mobile Job Center, Missouri Western State University and their partners hope to bridge this gap. Total project cost of $174,524 includes: applicant contribution of $75,000 and, and Rural Business Development Grant of $99,524.
MISSOURI	MISTY VALLEY FARMS INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/19/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 84.36 kW solar array. Misty Valley Farms Inc, managed by Rick McVicker, is a swine production business in Bevier, Mo. This project will realize $12,026 per year in savings, and will replace 121,729 kWh (68%) per year which is enough electricity to power 11 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $141,636; $121,636 borrower contribution. Special initiatives - Outmigration

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	MOHAWK ELECTRIC, LLC; HAWK'S LEASING LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/19/19	680,000	0	0	This Rural Development loan guarantee investment will be used to purchase land and building and make improvements to the building. The borrower is an electric utility contractor based in Neosho, Mo. and performs infrastucture repairs through out Missouri and other states as needed for storm damage. Total cost for the project is $753M, $365M to purchase the land and building and $366.7M for improvements to the building. The guarantee fee and closing costs are $21.3M. The business is contributing $73M. The project will create 30 jobs and save 30 jobs in Newton County, MO, a Strike Force county. Lender is First Community Bank.
MISSOURI	MORGAN, MICHAEL & SAMANTHA	BI	GUARANTEED B&I 3% FEE LOAN	11/06/18	214,000	0	0	This Rural Development loan guarantee investment will be used to assist the expansion of an existing business into a new market. This will create 4 jobs and save 0 jobs for Lawrence County, a Designated Strike Force County.
MISSOURI	MULFORD, ARCHIE	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/04/19	0	8,250	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of 54 new DSI brooders in poultry houses. Mulford Farms, Inc., owned by Archie and Vicki Mulford, is a family farm that raises broiler chickens in Aurora, Mo. The new radiant heaters will realize $4,914 per year in savings and will save over 97,616 kWh (28%) in energy annually, which is enough energy to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $33,000; $24,750 borrower contribution. Special Initiatives - Strike Force Area, Medically Underserved Area
MISSOURI	NATIVE SIGNS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/12/19	0	20,000	0	This Rural Development investment will be used to purchase a 61.32 kW solar array. Native Signs, LLC has been producing signs in Branson, Mo. since 2010. They will realize $8,409 savings annually and will replace 81,637 kWh (78%). The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total eligible project costs $134,904; borrower contribution $114,904. Special Initiatives- Opportunity Zone
MISSOURI	NETWORK SALES, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/05/19	0	25,000	0	This Rural Development investment will be used for the purchase and installation of a 42 kW & 67 kW solar array systems for this motor vehicle supply wholesaler business in St. Clair, Mo. This project will realize $14,515 per year in savings, and will replace 138,411 kWh (91%) per year which is enough electricity to power 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $162,156; $137,156 borrower contribution.
MISSOURI	NEW MADRID CO. R-1 SCHOOL DISTRICT	RBEG	PERSISTENT POVERTY RBCS BUSINESS ENTERPRISE GRANT	06/05/19	0	69,466	0	This Rural Development grant investment will be used to assist in opening a new electrician program at New Madrid High school by purchasing up-to-date equipment in welding and graphic arts. By providing up-to-date equipment, this allows New Madrid students to be trained on industry standard equipment, making them a more marketable commodity. This will also assist students in increasing placement by 5-10% in a career related field or enrollment in postsecondary education. Along with the project will be a career fair, so students can see the career opportunities within the area and the skills or education needed to obtain those positions.
MISSOURI	NORTHEAST MISSOURI ELECTRIC POWER COOPER	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	12/19/18	0	300,000	0	This Rural Development grant investment will be used to make improvements to the Henry County Health Center, located in Mount Pleasant, Iowa; Henry County. The improvements are to purchase a new ambulance and x-ray equipment, update the electronic medical record system and install a virtual desktop system for 100 workstations on the computer network. These improvements are vital to maintain the patient base in the hospital's service area and correspond with Federal mandates. This will support the retention of 245 jobs and creation of 2 new jobs. Total project cost of $1,126,259 includes: Rural Development's Rural Economic Development grant to Northeast Missouri Electric Power Cooperative $300,000, Applicant Contribution $60,000, borrower contribution $406,259, Iowa Rural Development Rural Economic Development grant to Access Energy Cooperative $300,000 and Access Energy Cooperative contribution $60,000.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	OBERHOLTZER, EARL NOLT	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 76.96 kW solar array for this agricultural producer (swine) in Wyaconda, Mo. This project will realize $9,577 per year in savings, and will replace 75,957 kWh (88%) per year which is enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $134,680; $114,680 borrower contribution. Special initiatives - Rural Poverty Target Strategy, Medically Underserved Area, Outmigration
MISSOURI	OSCO LEASING 1, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/06/18	1,740,000	0	0	This Rural Development loan guarantee investment will be used to assist with the expansion of an existing car wash operation into a new geographical market. Borrower has DOD contracts and is installing new car wash facilities on military installations/bases per their contracts. This will create 3 new jobs for the Fort Leavenworth, KS area.
MISSOURI	OSCO LEASING 2, LLC	BI	GUARANTEED B&I 3% FEE LOAN	06/28/19	2,054,250	0	0	This Rural Development loan guarantee investment will assist an existing operation to expand and build a new facility. Borrower has an AAFES contract to build a new car wash facility on the Beale Air Force Base, Marysville, CA. This will create 3 new jobs and save 0 jobs for this area.
MISSOURI	OSCO LEASING 2, LLC	BI	GUARANTEED B&I 3% FEE LOAN	06/28/19	1,748,000	0	0	This Rural Development loan guarantee investment will be used to assist this existing business with a business expansion to a new site location at the Minot Air Force Base, Minot, ND. This will create 3 new jobs and save 0 jobs for the area.
MISSOURI	OVERSCHMIDT, WILLIAM	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/17/19	0	11,577	0	This Rural Development investment will be used for the purchase and installation of a 9.9 kW solar array on the family farm of William Overschmidt in Union, MO. This project will realize $850 per year in savings, and will replace 10,558 kWh (29%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $46,311; $34,734 borrower contribution. Special initiatives- Medically Underserved Area
MISSOURI	PARKSIDE MANOR LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/21/19	195,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of commercial real estate property located in Bowling Green, MO a community of 5,334 residents. This project is the acquisition of a former nursing home that will be retrofitted to provide assisted living facility accommodations and services. Total cost for the project is $265,175 for the purchase of commercial real estate property for $195,000, equipment purchases of $57,350, working capital of $7,650 and assist with $5,175 in closing fees. USDA Rural Development guaranteed loan is $195,000, applicant contribution of $5,175, and lender financing of $65,000. The project will create 20 jobs in this rural community. Lender is HNB National Bank.
MISSOURI	PCH HEALTHCARE LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/26/19	4,712,000	0	0	This Rural Development loan guarantee investment will be used to assist and existing assisted living facility with a debt restructure/refinance for three facilities. This refinance will assist the business operation to obtain a more favorable interest rate and loan term, which will the operation to apply these savings towards the working capital needs of the business operation. The assisted living facilities are located in Fulton, California, and Holts Summit, MO, all of which are rural areas. This will allow the operation to add 2 new jobs and save 33 jobs for these rural areas in Callaway and Moniteau Counties in Missouri.
MISSOURI	PERFORMANCE ENGINEERING AND MANUFACTURIN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 50 kW solar array. Performance Engineering and Manufacturing, L.L.C., a veteran owned automobile parts manufacturer in St. Clair, Mo, will realize $6,213 per year in savings, and will replace 59,490 kWh (62%) per year. This project will save enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Special initiatives- Veteran
MISSOURI	PRAMUKH HOSPITALITY, L.L.C.	BI	GUARANTEED B&I 3% FEE LOAN	06/28/19	1,740,000	0	0	This Rural Development loan guarantee investment will be used to purchase the 73 room Whispering Hills Inn located on a 2.06-acre lot in Branson, Mo. Purchase price is $2.275 million, guarantee fees and costs are $53,005, and $30,000 for working capital. Applicant's equity injection is $518,005. The project will create one job and save eight jobs in rural Taney County, Mo. Lender is Guaranty Bank.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	PROCK OPERATIONS, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/04/19	0	62,663	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of closed cell foam insulation, infrared tube heaters and LED lighting throughout the manufacturing facility in Cuba, Mo. Prock Operations (dba For Your Convenience) is an existing business that manufactures a wide variety of fixture products to the local area. This project will realize $52,861 per year in savings, and will replace 1,017,100 kWh (52%) per year, which is enough electricity to power 93 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost- $250,665; borrower contribution- 188,002. Special Initiatives- Strike Force Area
MISSOURI	QMI LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/09/19	380,000	0	0	This Rural Development loan guarantee investment will be used to assist the borrower with a business acquisition of an existing pharmacy located in the north central Missouri community of Milan. This pharmacy provides prescription and over the counter medicines to the residents within a 30 mile radius. This project will save 4 full-time and 1 part-time job.
MISSOURI	R. WEIDENAAR LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/17/19	0	4,342	0	This Rural Development investment will be used for the purchase and installation of a 7.8 kW solar array system for this advertising agency business (Notionfront) in Moberly, Mo. This project will realize $1,197 per year in savings, and will replace 10,048 kWh (100%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $17,370; $13,028 borrower contribution. Special Initiatives- Rural Poverty Target Strategy, Opportunity Zone
MISSOURI	REGION WELDING OF MISSOURI, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/17/19	0	14,625	0	This Rural Development investment will be used for the purchase and installation of a 25 kW solar array system for this metal manufacturing business in Union, MO. This project will realize $3,578 per year in savings, and will replace 33,516 kWh (37%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $58,500; $43,875 borrower contribution.
MISSOURI	REIBOLDT FARMS CORPORATION	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	18,889	0	This Rural Development investment will be used to purchase 17.82 and 21.45 kW solar arrays. Reiboldt Farms Corporation is a 4th generation family farm currently raising cattle and crops in Neosho, Mo. They will realize $5,254 savings annually and will generate 61,391 kWh (100%) per year which is enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, andin making energy-efficiency improvements to their opertions. Total eligible project costs $75,557; borrower contribution $56,668. Special Initiatives- Veteran, Strike Force Area, Opportunity Zone, Medically Underserved Area
MISSOURI	RISCO R-II SCHOOL DISTRICT	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	40,000	0	This Rural Development grant investment will be used to purchase and install an air conditioning system into the Risco School's gymnasium. The Risco school is the heart of their community and holds many school functions. This grant will allow the school to expand several of their career development programs, as well as, work with area businesses to meet the needs of the students and community members. Currently, the school district does not have a facility large enough to hold the type of events that they would like, except the gymnasium, which tends to bee too hot for for young children and the elderly. The grant will enable Risco school to host events for their students, as well as, community members of New Madrid county. They are in hope that the career related events will increase and support individuals from the school and surrounding areas find employment over the next 3 years.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	RIVER VALLEY AG EXCHANGE, LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/06/19	615,000	0	0	This Rural Development loan guarantee investment will be used for debt restructuring and refinancing, purchase of equipment, real estate improvements, and closing fees on a business located in the Marshall, MO a community of 13,065 residents. This business, River Valley Ag Exchange, LLC, has recently formed. This business is a full service organic and non-GMO grain elevator and farm supply business. This business recently purchase the old MFA elevator in Marshall. Total cost for the project is $850,582 with debt restructuring being $225,000, debt refinancing of $90,000, equipment purchase of $165,000, real estate improvements for $120,000 and assist with $15,000 in closing fees. USDA Rural Development guaranteed loan is $615,000, applicant contribution of $35,582, and lender financing of $200,000 to assist with operating needs. The project will create 3 jobs in this rural community. Lender is Exchange Bank of Missouri.
MISSOURI	ROARK, JULIA LYNN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/16/19	0	8,000	0	This Rural Development investment will be used for the purchase and installation of a 17.82kW solar array. Mrs. Julia Lynn Roark and her husband operate a family cattle and row crop operation near Lamar, Mo. This project will realize $2,514 in savings annually, replacing 26,217 kWh (100%)of electricity per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total eligible project cost $32,000; $24,000 borrower contribution. Special Initiatives - Strike Force Area, Outmigration
MISSOURI	ROUTE CC, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/17/19	0	8,505	0	This Rural Development investment will be used for the purchase and installation of a 9.72 kW solar array for this leasing company business in Jefferson City, MO. This project will realize $581 per year in savings, and will replace 11,513 kWh (45%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $34,020; $25,515 borrower contribution. Special Initiatives- Opportunity Zone
MISSOURI	RUETHER, MARK	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/19/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 78 kW solar array for this swine production facility in Middletown, MO. The system is estimated to produce 108,986 kWh per year which is enough electricity to power 10 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $145,665; $125,665 borrower contribution. Special Initiatives- Opportunity Zone
MISSOURI	SAVAM, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/29/19	473,000	0	0	This Rural Development loan guarantee investment will be used to purchase the 28 room Nevada Inn located in Nevada, Mo. Purchase price is $575,000, guarantee fees and costs are $18,000. Applicant s equity injection is $145,000. The project will save 1 job in rural Vernon County. Lender is OakStar Bank. Special initiatives: Strike Force Area, Rural Poverty Target Strategy
MISSOURI	SCRUGGS-GUHLEMAN LUMBER COMPANY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/04/19	0	48,262	0	This Rural Development investment will be used for the purchase and installation of a 99 kW solar array. Located in Jefferson City, Mo., Scruggs-Guhleman Lumber Company has provided lumber products and services to mid-Missouri since 1919. This project will realize $13,680 in savings annually, replacing 130,293 kWh (71%) of electricity per year, which is enough electricity to power 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total eligible project cost $193,050; $144,788 borrower contribution. Special Initiatives- Rural Poverty Target Strategy, Opportunity Zone
MISSOURI	SHIV SAI HOSPITALITY LLC	BI	GUARANTEED B&I 3% FEE LOAN	06/04/19	730,000	0	0	This Rural Development loan guarantee investment will be used to purchase the 53 room Green Gables Inn located in Branson, Mo. Purchase price is $950,000, guarantee fees and costs are $20,000.00. Applicant s equity injection is $215,000. Seller will carry $50,000. The project will create 2 and save 6 jobs in rural Taney County. Lender is Branson Bank.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	SHOW ME MINI-STORAGE, L.L.C.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	3,143	0	This Rural Development Investment will be used for the purchase and installation of a 14.350 kW Solar Array. Show Me Mini Storage, LLC is a self-storage leasing facility in the rural community of Bolivar, Mo. This project will realize $2,535 per year in savings and will save 19,501 kW of electricity per year (96%). The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total eligible project cost $12,575; $9,432 borrower contribution. Special Initiatives - Strike Force Area, Rural Poverty Target Strategy, Opportunity Zone
MISSOURI	SOLAR SYSTEMS OF SEMO, L.L.C.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/18/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 54 kW solar array. Solar Systems of SEMO, L.L.C., managed by Keith Dirnberger, is a electric generation company that provides solar power to 4 poultry barns at its facility in Benton, Mo. This project will realize $8,261 per year in savings, and will generate 82,280 kWh per year, which is enough energy to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $80,000; $60,000 borrower contribution. Special initiatives - Strike Force Area, Outmigration, Medically Underserved Area, Opportunity Zone
MISSOURI	SOUTHEAST MISSOURI REGIONAL PLANNING	REAR	REAP ENERGY AUDIT RECIPIENT	03/22/19	0	42,011	0	This Rural Development investment will be used throughout 7 counties in the state of Missouri to conduct approximately 48 energy audits or solar renewable energy site assessments for rural small businesses and agricultural producers. These audits and site assessments will provide analysis to make energy-efficiency improvements to these operations and/or install renewable energy systems. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MISSOURI	SPICER BUILDERS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/04/19	0	42,500	0	This Rural Development investment will be used for the purchase and installation of a 99.63 kW solar array systems for this restaurant business (Don's Family Style Buffet) in Huntsville, Mo. This project will realize $14,650 per year in savings, and will replace 138,542 kWh (78%) per year which is enough electricity to power 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $170,000; $127,500 borrower contribution. Special Initiatives- Opportunity Zone
MISSOURI	STEWART & STEWART	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/14/19	0	19,900	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Stewart & Stewart is a farming partnership that raises field crops in Bloomfield, Mo. This project will realize $11,603 per year in savings, and will replace 216,749 kWh (41%) per year, which is enough energy to power 20 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost - $79,600, recipient contribution - $59,700. Special Initiatives - Rural Poverty Target Strategy, Strike Force Area, Medically Underserved Area
MISSOURI	STURGEON MEAT MARKET LLC	BI	GUARANTEED B&I 3% FEE LOAN	04/12/19	85,000	0	0	This Rural Development loan guarantee investment will be used for the construction of real estate property located in Sturgeon, MO a community of 872 residents. Funds will also be used to assist with equipment purchases and working capital. Total cost for the project is $121,725 with construction costs being $70,000, land investment of $11,252, equipment purchases of $29,933, working capital of $8,000 and closing fees of $2,540. USDA Rural Development guaranteed loan is $85,000 and applicant contribution of $36,725. The project will create 3 jobs in this rural community. Lender is Central Bank of Boone County.
MISSOURI	SUGAR CREEK ENTERPRISE LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	11,534	0	This Rural Development investment will be used for the purchase and installation of a 13.6 kW solar array for this automotive repair business in Moberly, Mo. This project will realize $2,841 per year in savings, and will replace 20,588 kWh (100%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $46,138; $34,604 borrower contribution. Special Initiatives-Opportunity Zone

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	SWARTZ, JERRY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	4,875	0	This Rural Development investment will be used for the purchase and installation of a 9.72 kW solar array system for this insurance business in Moberly, Mo. This project will realize $1,333 per year in savings, and will replace 14,552 kWh (100%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $19,500; $14,625 borrower contribution. Special Initiatives-Opportunity Zone
MISSOURI	THE BRASS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/04/19	0	41,000	0	This Rural Development investment will be used for the purchase and installation of a 69.48 kW solar array for this restaurant (Lucky's Last Resort) business in Moberly, Mo. This project will realize $11,986 in savings annually, replacing 106,730 kWh (72%) of electricity per year, which is enough electricity to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total eligible project cost $164,000; $123,000 borrower contribution.
MISSOURI	THOMPSON, ROBERT DOUGLAS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	3,010	0	This Rural Development investment will be used for the purchase and installation of a heatmor wood-fired boiler for this greenhouse business in Newburg, Mo. This project will realize $1,230 per year in savings, and will replace 3,399 kWh (6%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $12,040; $9,030 borrower contribution. Special initiatives - Strike Force County, Rural Poverty Target Strategy
MISSOURI	TOPPERTOWN, INC. DBA CASTOR RIVER FARMS	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/16/19	0	13,044	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Toppertown, Inc. (dba Castor River Farms) is a family owned farming corporation that produces grain at its facility in Bell City, Mo. This project will realize $7,821 per year in savings, and will replace 78,934 kWh (84%) per year, which is enough energy to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost - $52,178; borrower contribution - $39,134. Special initiatives - Rural Poverty Target Strategy, Strike Force Area, Medically Underserved Area
MISSOURI	UNIVERSAL MEDICAL RESOURCES, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	48,665	0	This Rural Development investment will be used for the purchase and installation of a 99.7 kW solar array system for this diagnostic nuclear imaging business in Washington, Mo. This project will realize $13,909 per year in savings, and will replace 143,391 kWh (43%) per year which is enough electricity to power 13 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $194,662; $145,997 borrower contribution. Special Initiatives - Veteran.
MISSOURI	VOGELSMEIER, DUANE	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/03/19	0	5,137	0	This Rural Development investment will be used for the purchase and installation of a 13.9 kW solar array for this diversified farm business in Sweet Springs, Mo. This project will realize $1,515 per year in savings, and will generate 13,174 kWh (100%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $35,329; $30,192 borrower contribution. Special initiatives - Opportunity Zone, Outmigration
MISSOURI	VOGELSMEIER, JAMES DOUGLAS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/05/19	0	12,093	0	This Rural Development investment will be used for the purchase and installation of a 23.8 kW solar array for this agriculture production business in Sweet Springs, Mo. This project will realize $2,708 per year in savings, and will replace 26,935 kWh (100%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $68,257; $56,164 borrower contribution. Special initiatives - Opportunity Zone, Outmigration

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MISSOURI	W.B. PRICE, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	10,000	0	This Rural Development investment will be used for the purchase and installation of a 11.4 kW solar array for this property rental and leasing business in Jefferson City, MO. This project will realize $4,039 per year in savings, and will replace 39,350 kWh (100%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $65,000; $55,000 borrower contribution. Special initiatives- Underrepresented Groups, Opportunity Zone
MISSOURI	WALKER PRODUCTS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/17/19	0	147,500	0	This Rural Development investment will be used for the purchase and installation of 3 separate solar array system (115.17 kW, 86.13 kW, 99.99 kW) for this fuel system components and engine sensor manufacturing business in Pacific, Mo. This project will realize $31,334 per year in savings, and will replace 400,971 kWh (39%) per year which is enough electricity to power 37 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $590,000; $442,500 borrower contribution.
MISSOURI	WANDERLUST PROPERTIES, LLC	BI	GUARANTEED B&I 3% FEE LOAN	12/20/18	201,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of Cedar Hollow Resort, a 9-cabin resort with a 6-slip boat dock located on 1.7 acres on Table Rock Lake near Galena, MO. The business will serve tourists visiting Branson, MO and surrounding areas. The project will create 2 jobs in rural Stone County, MO. Total cost for the project is $265,000, $251,000 purchase price, $7,374 guarantee fee and loan costs and $6,626 in working capital. Owner contribution is $64,000. Lender is Table Rock Community Bank.
MISSOURI	WEBSTER ELECTRIC COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	09/06/19	0	0	2,000,000	This Rural Development loan and grant investment will be used to finance the construction and infrastructure of the Ozark Technical Republic Education Center located in Republic, MO. The project will include eight classrooms, three science laboratory facilities, and two computer labs. Access to post-secondary education for students in the western portion of the sate of Missouri is currently limited. To better meet the needs of students in this area, Ozark Technical College is constructing an education center which will bring education and training opportunities to citizens in vastly rural, underserved communities. Total project cost $8,360,000 includes: $2,000,000 REDL; $300,000 REDG; Borrower contribution (Webster) $60,000; Ozark Tech $6,000,000.
MISSOURI	WEBSTER ELECTRIC COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	09/06/19	0	300,000	0	This Rural Development loan and grant investment will be used to finance the construction and infrastructure of the Ozark Technical Republic Education Center located in Republic, MO. The project will include eight classrooms, three science laboratory facilities, and two computer labs. Access to post-secondary education for students in the western portion of the sate of Missouri is currently limited. To better meet the needs of students in this area, Ozark Technical College is constructing an education center which will bring education and training opportunities to citizens in vastly rural, underserved communities. Total project cost $8,360,000 includes: $2,000,000 REDL; $300,000 REDG; Borrower contribution (Webster) $60,000; Ozark Tech $6,000,000.
MISSOURI	WEILER, CURVIN S	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/16/19	0	10,687	0	This Rural Development investment will be used for the purchase and installation of a 22.5 kW solar array for this agricultural producer (poultry barn) in Rutledge, Mo. This project will realize $3,797 per year in savings, and will generate 31,643 kWh (39%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $42,750; $32,063 borrower contribution. Special initiatives - Rural Poverty Target Strategy, Medically Underserved Area, Outmigration
MISSOURI	WEILER, DARIN	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/05/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 44.4 kW solar array for this beginning farmer (poultry production) in Rutledge, Mo. This project will realize $9,305 per year in savings, and will generate 63,321 kWh per year which is enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $82,140; $62,140 borrower contribution. Special initiatives - Underrepresented Groups (Beginning Farmer), Rural Poverty Target Strategy, Medically Underserved Area, Outmigration

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	WELLS, JACK	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of 3 separate solar systems totaling 71.04 kW for this swine production business in Newtown, Mo. This project will realize $9,845 per year in savings, and will replace 100,797 kWh (85%) per year which is enough electricity to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $124,320; $104,320 borrower contribution. Special initiatives - Medically Underserved Area, Outmigration
MISSOURI	WELLS, KENNETH GENE	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/19/19	0	30,000	0	This Rural Development investment will be used for the purchase and installation of a 3 separate solar arrays on the recipient's row crop farms in Union Star, Mo. This project will realize $9,704 per year in savings, and will replace 80,063 kWh (100%) per year, which is enough energy to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $186,816; $156,516 borrower contribution.
MISSOURI	WEST CENTRAL MO COMMUNITY ACTION AGENCY	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	40,000	0	This Rural Development grant investment will be used to implement a commercial kitchen for use at the Liston Development Center in El Dorado Springs, MO; Cedar county. The kitchen could support local entrepreneurs and stimulate local community economic development, provide hands-on learning and education, and support local employment. This request for funds centers around the El Dorado Nourish program vision, as the West Central team seeks to ascertain and verify effective and sustainable activities related to food production and security.
MISSOURI	WHITWORTH PORK, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 65.12 kW solar array for this swine production business in Unionville, Mo. This project will realize $11,116 per year in savings, and will replace 92,635 kWh (80%) per year which is enough electricity to power 8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $113,960; $93,960 borrower contribution. Special initiatives - Medically Underserved Area, Outmigration
MISSOURI	WHITWORTH, SCOTT	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/14/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 65.12 kW solar array for this swine production business in Unionville, Mo. This project will realize $7,862 per year in savings, and will replace 92,635 kWh (82%) per year which is enough electricity to power 8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $113,960; $93,960 borrower contribution. Special initiatives - Medically Underserved Area, Outmigration
MISSOURI	WILLOW GREEN GARDENS AND TREE FARM, LLC	BI	GUARANTEED B&I 3% FEE LOAN	05/10/19	725,000	0	0	This Rural Development loan guarantee investments will be used to assist this existing business with a business expansion to a new site location. This will increase their acreage for the tree nursery production and enhance customer access for future sales. This will create 2 new jobs and save 3 existing jobs in Webster County, Missouri.
MISSOURI	WINTER TECHNOLOGIES LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	41,810	0	This Rural Development investment will be used for the purchase and installation of a 51.84 kW solar array system for this stainless steel manufacturing business in Pacific, Mo. This project will realize $8,004 per year in savings, and will replace 69,118 kWh (95%) per year which is enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $167,240; $125,430 borrower contribution.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MISSOURI	WISE, PHILLIP	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/05/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 48.84 kW solar array for this agriculture producer (swine production) in Harris, Mo. This project will realize $6,823 per year in savings, and will replace 69,004 kWh (100%) per year which is enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Total project cost $85,470; $65,470 borrower contribution. Special initiatives - Rural Poverty Target Strategy, Opportunity Zone, Medically Underserved Area, Outmigration
MISSOURI	YOGIJIKRUPA HOSPITALITY-H LLC	BI	GUARANTEED B&I 3% FEE LOAN	05/16/19	1,923,000	0	0	This Rural Development loan guarantee investment will be used to purchase Twelve Oaks Inn and Spinning Wheel Inn in Branson MO. The project will save 13 jobs in rural Taney County, MO. Lender is Celtic Bank. Special Initiatives: High Unemployment Area
MONTANA	ANACONDA LOCAL DEVELOPMENT CORP	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	28,000	0	This Rural Development investment will be used to fund the purchase of equipment for a small rural business in Anaconda, MT. Anaconda Local Development Corporation will purchase equipment and lease it to Smelter City Brewing. Since opening its doors, Smelter City Brewing has created twelve new jobs in Anaconda-Deer Lodge County. Anaconda Local Development Corporation will purchase three brew tanks (i.e. fermenters) to allow Smelter City Brewing to expand production capacity, making possible distribution to larger regional markets in Helena, Bozeman, and Missoula. This project will create 2 new jobs. $25,000 Anaconda Local Development Corporation $53,000 Total Project Costs
MONTANA	ARCHER CONSTRUCTION, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/05/19	0	6,070	0	This Rural Development investment will be used for the purchase and installation of a 10.26-KW Solar PV Array. Archer Construction is in Bozeman/Gallatin County, Mt. Archer Construction has been serving commercial clients, homeowners and developers across Southwest Montana in the residential and commercial construction industry. It was formed 20 years ago by Dennis Steinhauer who is the President and CEO. This company will realize an annual savings of $1,412.51 and will replace 12,841 kWh per year or 98.27% of its historical annual energy needs. This project will save enough energy to power approximately 1.2 households per year. The purpose of this funding program is to assist farmer, ranchers, and small businesses in developing energy systems and to make energy efficient improvements to their business operations.
MONTANA	B&D INVESTMENTS, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/29/19	0	13,785	0	This Rural Development Investment will be used for the purchase and installation of a pump and geothermal well. B&D Investments, LLC is the real estate entity for Dry Hills Distillery, a vodka distillery. The family farm of the owners, Jeff and Erica Droge, farm raise potatoes and cereal grains that are used in the crafting of their spirits such as premium potato vodka, wheat vodka, wild raspberry flavored vodka, gin and a specially crafted whiskey. They are fifth generation farmers with roots dating back to 1905. Dry Hills Distillery will realize an annual savings of $7,216 and will replace 124,197 kWh. This project will save enough energy to power approximately 11.5 households annually. The purpose of this funding program is to assist farmer, ranchers, and small businesses in developing energy systems and to make energy efficient improvements to their business operations.
MONTANA	BEARTOOTH ELECTRIC COOPERATIVE, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/18/19	0	15,764	0	This Rural Development investment will be used to assist Beartooth Electric Cooperative to purchase and install a 21 kW ground-mounted community solar system for the benefit of its coop members in Red Lodge, MT. The array will generate roughly 37,330 kWh of energy with an estimated annual savings of $3,313 per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. $47,293 Owner Funds $83,057 Total Project Costs

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MONTANA	BOOMER, ALAN ALBERT	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/26/19	0	5,044	0	This Rural Development investment will be used to assist, Alan Albert Boomer to purchase and install a 13,400 kWh solar system to power a cattle ranch running 180 black angus cows. The system will help power the garage where Boomer uses tools to make, repair and maintain farm machinery, haying equipment and cattle panels. This affects all aspects of which make the ranch operate on a day-to-day basis; from salting, livestock checks, fencing, feeding, and animal round-ups. The garage also houses the tractors to use to feed and care for livestock which are plugged-in during cold weather months. The solar array will also offset costs to power the lights for nighttime calving and lambing and to run calf warmers and heat lamps. The power will also run the water pump to 3 geo-thermal water tanks, power the cattle scales during the time to ship the calves out and run the branding irons and dehorners when working cattle during spring branding. The ranch uses power for almost everything related to cattle ranching and would not be able to continue this lifestyle if reliable and affordable power was not available. This project replaces 13,400 kWh of electricity per year which is enough electricity to power one home and saves the farm $1,514 in annual energy costs. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. $15,132⁞ Owner Funds $20,176⁞ Total Project Costs
MONTANA	BRANDNER DESIGN, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/27/19	0	24,995	0	This Rural Development investment will be used for the purchase and installation of a 50 kW solar PV system. Brandner Design, LLC, an art based company that produces custom designed furniture, architectural elements, decorative metal panels and fine art since 2006, will realize $6,974 per year in savings, and will replace 58,119 kWh (27%) per year. This project will save enough electricity to power 5.36 homes. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MONTANA	BUTTE LOCAL DEVELOPMENT CORP	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	23,500	0	This Rural Development investment will be used for Buxton technical assistance project in Butte, MT. Buxton was founded in 1994 and has been a leading force in retail site selection and development. This project will contract with Buxton and beginning recruiting new businesses to the community and provide the platform to existing businesses. This project is expected to create 5 jobs, save 50. $23,500 Rural Development $26,500 Butte Local Development $50,000 Total
MONTANA	BUTTE LOCAL DEVELOPMENT CORP	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	22,500	0	Butte Local Development This Rural Development investment will be used to help finance a marketing plan for Montana Craft Malt located in Butte, MT. This assistance will help launch and propel Montana Craft Malt's (MCM) brand and ultimately drive sales up. This assistance will also allow MCM to be more strategic and comprehensive about brand management. This project is expected to create 5 jobs. $22,500 Rural Development $8,000 Butte Local Development $30,500 Total
MONTANA	CAYUSE LIVESTOCK COMPANY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/26/19	0	39,364	0	This Rural Development investment will be used to assist, Cayuse Livestock Company to purchase and install a 104,000 kWh solar system. Originally the Donald Ranch, the ranch was founded in 1909 by William H. Donald. Cayuse Livestock Company was incorporated in 1954 by William H. Donald, Jr. and Ann C. Donald as a cattle and sheep operation in Melville, Montana. Today the ranch operation runs black angus cattle and employs 3rd and 4th-generation descendants of the original founder. Cayuse Livestock employs five family members full -time and 2-3 part-time employees in the summer months. The system will replace approximately 100% of the annual electricity used by the business. This project replaces 104,000 kWh of electricity per year which is enough electricity to power nine homes and saves the farm $12,480 in annual energy costs. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. $118,093⁞ Owner Funds $157,457⁞ Total Project Costs

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MONTANA	CENTER FOR SUSTAINABILITY, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	1,619	0	This Rural Development investment will be used to assist Center for Sustainability, LLC to purchase and install a 640 watt solar system to power a greenhouse in Three Forks, MT. Center for Sustainability, is an aquaponic producer of herbs, vegetables, and fruits. A small 4-panel system will generate 934 kWh of electricity per year which will be used in a small office. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. $4,859 Owner Funds $6,478 Total Project Costs
MONTANA	CITY OF LODGE GRASS	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	09/16/19	0	352,220	0	This Rural Development investment will be used to construct a building to house the business incubator, cover the basic costs of heating/cooling and lighting the building during the startup phase, and provide workforce development and business training for residents of Lodge Grass, MT and surrounding area.
MONTANA	COMMUNITY FOOD CO-OP, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/16/19	0	8,377	0	This Rural Development investment will be used for the purchase and installation of a 16.4 kW solar photovoltaic system for Community Food Cooperative, Inc. In operation since 1979, it has deep roots in Bozeman and surrounding communities. While everyone is welcome to shop at the store, it is equally-owned by its member owners. The anticipated annual energy generation is expected to be approximately 21,144 kWh and expects to reduce energy costs by approximately $1,649 annually. This project will generate 21,144 kWh; enough energy to power 1 household per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. $25,123 Owner Funds $33,500 Total Project Costs
MONTANA	DAWSON COMMUNITY COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	21,400	0	This Rural Development investment will be used to develop, promote and execute a seminar to educate students and young agriculture producers throughout the state of Montana. Students and young producers can attend this four (4) credit seminar to be held at Dawson Community College Fall 2019 and Spring 2020 semesters. The seminar will be available for students to take as an online course also. The seminar(s) will cover aspects of budgeting, finance, business plan development,technical assistance, economic development, new developments in the agriculture fields, technology, farm and ranch practices, etc. This project is expected to create 20 jobs. $21,400 Rural Development $9,000 Dawson Community College $30,400 Total
MONTANA	DISCOVERY SKI CORPORATION	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/19/19	0	20,619	0	This Rural Development investment will be used to assist Discovery Ski Corp to purchase and install a 49.3 kW solar system at the Discovery Ski Area in Anaconda, MT. The ground mounted solar array will generate 67,780 kWh of electricity per year which will be used to power an additional chair of the ski lift. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. $61,856 Owner Funds $82,475 Total Project Costs
MONTANA	FINLEN PROPERTIES LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/25/19	0	28,750	0	This Rural Development investment will be used to assist Finlen Properties to purchase and install a 49.7 kW solar system at the Finlen Hotel & Motor Inn property in Butte, MT. The roof mounted solar array will generate 62882 kWh of electricity per year which will be used to provide power for the historic hotel property. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. $86,250 Owner Funds $115,000 Total Project Costs
MONTANA	HEADWATERS RC&D AREA, INC	RBEG	RBCS ENTERPRISE GRANTS	07/17/19	0	4,250	0	This Rural Development investment will be used to help finance computers for small business training in rural communities. Madison, Jefferson, Powell, Deer Lodge, Granite, and Beaverhead counties will be served. This project is expected to create 3 jobs and save 20. $4,250 Rural Development $4,750 Headwaters RC&D $9,000 total

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MONTANA	HIGHMARK PROPERTIES, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/21/19	0	26,021	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will assist Highmark Properties, LLC, a locally-owned and operated real estate holding company, with energy efficiency improvements with the purchase and installation of windows of a currently vacant nursing home they are renovating and hope to open soon for the Choteau community. The project will realize $2,111, or 75%, per year in savings and will save 8,025 kWh per year, which is enough to power 1 home.
MONTANA	LAKE COUNTY COMMUNITY DEVELOPMENT CORP	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	60,549	0	This Rural Development investment will be used to provide an annual technical assistance grant to Lake County Community Development Corporation (LCCDC) to support the initial RMAP revolving loan fund awarded in fiscal year 2010. Funds will be used to provide technical assistance and training to rural micro-entrepreneurs and microenterprises in Lake County. LCCDC has previously received two Rural Development RMAP loans and eight grants since 2010. These past award amounts are listed as additional federal assistance and appear in this project's total cost. $340,290 Total Project Costs
MONTANA	LAKE COUNTY COMMUNITY DEVELOPMENT CORP	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	43,000	0	This Rural Development investment will be used to capitalize a revolving loan fund designed to serve cooperative businesses. This will increase access to financing for emerging rural cooperative enterprises. As a cooperative development center since 1999, cooperative development has been a key tool used by Lake County Community Development Corporation (LCCDC) as a community and economic development strategy. Many lenders are not familiar with the cooperative business structure and do not make loans suited to the needs of cooperative businesses. There are no other dedicated cooperative loan funds locally or regionally. Grant funds will be used in conjunction with LCCDC funds contributed by the organization. 2 cooperatives will be assisted and 4 jobs will be created. $50,000 Lake County Community Development Corporation $93,000 Total Project Costs
MONTANA	LAKE COUNTY COMMUNITY DEVELOPMENT CORP	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	20,000	0	This Rural Development investment will be used to fund the delivery of workshops, training and other forms of technical assistance to small and emerging private businesses within the Western Rural Development Region. Lake County Community Development (LCCDC) is the lead organization in a state-certified regional development collaboration (CRDC) collectively called the Western Rural Development Region, consisting of Lake, Mineral, Sanders counties and the Flathead Indian Reservation. 21 workshops will be delivered, and 300 hours of one-on-one technical assistance counseling hours will be provided to small businesses. 18 jobs will be created, and 25 jobs will be saved. $24,400 Lake County Community Development Corporation $44,400 Total Project Costs
MONTANA	LAKE COUNTY COMMUNITY DEVELOPMENT CORP	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/26/19	0	200,000	0	
MONTANA	LATTICE MATERIALS, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/11/19	0	12,496	0	
MONTANA	MARIC PROPERTIES LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/09/19	0	32,299	0	This Rural Development investment will be used to assist, MARIC Properties, LLC. to purchase and install a 73,637 kWh solar system. MARIC Properties, LLC. owns the building it leases to operate a Travelodge in Livingston, Montana. It is conveniently located off I-90 near the north entrance of Yellowstone National Park, the only all-season entrance to Yellowstone National Park. The Travelodge employs 16 people. The system will replace approximately 37% of the annual electricity used by the business. This project replaces 73,637 kWh of electricity per year which is enough electricity to power six homes and saves the business $7,364 in annual energy costs. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. $96,898 Owner Funds $129,197 Total Project Costs

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MONTANA	MCALLISTER INN INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/27/19	0	18,865	0	This Rural Development Investment will be used for the purchase and installation of a 50-KW Solar PV Array to power hotel operations. McAllister Inn is located in Gardiner/Park County, MT. This hotel is owned and operated by Rod and Jill McAllister and just outside of Yellowstone National Park. This company will realize an annual savings of $7,611.36 and will replace 63,428 kWh or 36% of its annual energy usage. This project will save enough energy to power approximately 6 houses annually. The purpose of this funding program is to assist farmer, ranchers, and small businesses in developing energy systems and to make energy efficient improvements to their business operations.
MONTANA	MCPHERSON REAL ESTATE, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/24/19	0	20,000	0	This Rural Development investment will be used to assist McPherson Real Estate for the purchase and installation of an upgraded energy efficient HVAC system, which will save approximately 72 million btu per year, for historic commercial building in Glendive, Dawson County, MT. Business currently supports two full time jobs. Rural Development financing was leveraged with business owners cash injection of $60,000. The purpose of this funding program us to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MONTANA	MID-RIVERS TELEPHONE COOPERATIVE, INC.	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (TELEPHONE)	09/11/19	0	0	587,925	This Rural Development investment will be used to provide a loan to a rural utility program borrower to provide for economic development. This project will finance equipment for a computer system for Dahl Memorial Healthcare Association. The project is vital for this very rural hospital as it will assist in meeting the regulatory requirements of Medicare and Medicaid and improve access to modern healthcare services for the community. The project is part of a $15 million renovation. The hospital anticipates creating three new jobs and saving seventy for Ekalaka, Mont., a rural community of 332 people. There has not been any other funding for this project or area.
MONTANA	MISSOULA ELECTRIC COOPERATIVE, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/26/19	0	20,000	0	
MONTANA	MONTANA COMMUNITY DEVELOPMENT CORP	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/26/19	0	44,291	0	This Rural Development investment will be used to provide an annual technical assistance grant to Montana Community Development Corporation (MCDC) to support the initial RMAP revolving loan fund awarded in fiscal year 2011. Funds will be used to provide technical assistance and training to rural micro-entrepreneurs and microenterprises throughout the state of Montana. MCDC has previously received one Rural Development RMAP loan and five grants in 2011, 2015, 2016, 2017 and 2018. These past award amounts are listed as additional federal assistance and appear in this project's total cost. $285,009 RMAP TA Grants $500,000 RMAP Loans $785,009 Total Project Costs
MONTANA	MONTANA COOPERATIVE DEVELOPMENT CENTER	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/12/19	0	68,865	0	This Rural Development investment will be used by Montana Cooperative Development Center, Inc. (MCDC) to help finance the training expenses of prospective consultants on the cooperative business model. They will then provide technical assistance to members of the reservations in Montana and Wyoming who are interested in forming cooperative enterprises, with a focus on building local food systems and ensuring Tribal sovereignty. The main headquarters of MCDC are located at 12 3rd Street NW, Suite 100, Great Falls, Montana. The $68,865 budget did not have a match component. All eight reservations are very rural, most are classified as remote or frontier, and are also identified as food deserts. Montana Cooperative Development Center has not received Socially Disadvantaged Group Grant funding before.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MONTANA	MONTANA COOPERATIVE DEVELOPMENT CENTER	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	29,000	0	$29,000 RBDG $10,000 matching investment from MCDC $20,000 matching funds from NeighborWorks Great Falls $59,000 Total project costs This Rural Development investment will be used to help finance a conceptual plan/feasibility study for a cooperatively-owned mixed-use development in Cascade County. The planned business will own a piece of property outside the city limits of Great Falls that will be developed into commercial space that they will sub-let to small businesses that will serve moderate income/pocket neighborhood/ also planned for the site. The planned cooperative will serve many purposes that are vital for the area: 1.Create a revenue stream from the small businesses that sublet the commercial space; 2.Provide much needed small business development in the area; 3.Fill a void in the moderate-income housing stock for the area; 4.Manage the riverfront, open space and recreational access to benefit the member-residents as well as the surrounding neighborhoods; and 5.Generate sufficient income for the School Trust Fund.
MONTANA	MONTANA COOPERATIVE DEVELOPMENT CENTER	RCDG	PERSISTENT POVERTY RCDG - RURAL COOPERATIVE DEVELOPMENT GRANTS	09/10/19	0	200,000	0	
MONTANA	MONTANA CRAFT MALT COMPANY	BI	GUARANTEED B&I 3% FEE LOAN	11/16/18	10,000,000	0	0	This Rural Development loan guarantee investment will be used to term out of interim/construction financing used to facilitate the construction of a new malting plant for Montana Craft Malt Company (MCM), a start-up business. It will be the first commercial malt manufacturer of its kind and will produce specialty malt for craft breweries in Montana and beyond. MCM will offer 15 jobs to employ capable individuals located in rural areas (Butte, Montana located in Butte-Silverbow County) and will provide economic sustainability in the rural community. MCM expects to be a strong business which will partner solely with rural Montana farmers for grain to malt. This grain from Montana is "Made in America" and the sale of it will support and strengthen not only the agricultural producer but the rural economy the farmer lives in; leading to the viability of their rural community. MCM also plans to export 25% of its products to markets abroad and boost our countrÍs global competitiveness. MCM is utilizing nearly 50% of its own private capital to fund this project; leveraging resources to support America. $11,500,000| Borrower Contribution $ 3,500,000| TrailWest Bank Loan $25,000,000| Total Project Cost
MONTANA	MTAM SURCUS, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/21/19	0	102,129	0	This Rural Development investment will be used for energy efficiency upgrades for a historic building. MTAM Surcus, LLC., a woman-owned business, will operate a fitness center in the renovated building thus decreasing community blight and creating fifteen jobs over the next three years. Project funds will be used to make energy efficiency improvements with the purchase and installation of a high efficiency heating, ventilation, and air conditioning (HVAC) system; insulation and thermal wrap; lighting; doors; and windows. The project will realize $3,335 per year in savings and will replace/save 113,992 kWh of electricity per year (32.5%) which is enough electricity to power eleven homes.
MONTANA	NACDC FINANCIAL SERVICES, INC.	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	54,772	0	This Rural Development investment will be used to provide an annual technical assistance grant to Native American CDC Financial Services (NACDC FS) to support the initial RMAP revolving loan fund awarded in fiscal year 2014 ($100,000), and subsequent award in 2018 ($200,000). Funds will be used to provide technical assistance and training to rural micro-entrepreneurs and microenterprises in Glacier County, which is a persistent poverty county, and across seven Indian Reservations. Previous RD TA Grants: 09/23/2014 $25,000 09/27/2016 $18,318 09/13/2017 $15,197 09/25/2018 $13,319 09/25/2019 $54,772 Total RMAP TA: $139,925
MONTANA	NATIONAL CENTER FOR APPROPRIATE TECH	RCDG	APPROPRIATE TECH TRANSFER TO RURAL AREAS	05/15/19	0	2,800,000	0	
MONTANA	NATIVE AMERICAN DEVELOPMENT CORP.	RBOG	RBCS DEVELOPMENT GRANT	07/23/19	0	25,000	0	This Rural Development investment will be used to provide technical assistance to create a multi-jurisdiction planning and feasibility study for rural Tribal areas and assist in the future implementation of tools and strategies that could increase the flow of commercial lending in Montana Indian Country and have a reasonable prospect that will result in the economic development of Rural Tribal communities.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
MONTANA	RECREATE DESIGNS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	2,913	0	This Rural Development investment will be used to assist, REcreate Designs, LLC, an adult & children s clothing line, accessories, and home goods made from upcycled materials that has been in business since 2005. Raw materials are sourced from thrift and second-hand outlets, reclaimed, and repurposed into the products keeping an estimated 3,000 pounds of waste out of the landfills every year. It is proud to be 100% made in Montana. It employs local people and purchases most of its raw materials from local thrift and second-hand stores. Project funds will be used to make energy efficiency improvements with the purchase and installation of insulation in the attic and double-paned windows for the building. It will save the business about $1,300 per year. It reduces energy consumption by 16,628 kWh or by nearly 50%. This is enough electricity per year to power one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. $8,740 Owner Funds $11,653 Total Project Costs
MONTANA	SOUTHEASTERN MT DEVELOPMENT CORP	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	22,500	0	This Rural Development investment will be used to help finance a web based business recruitment tool to publicize available business/industrial/commercial sites in Colstrip, MT. This website will be dedicated to site selection, where they include useful information such as: Target Industries & Demographics, Workforce Numbers, R & D, Public and Private, Incentive Areas/Infrastructure Assets, and Industrial Parks & Universities. This project is expected to create directly 0 jobs and save 0. $22,500 Rural Development $22,500 Total
MONTANA	SWEETWATER TRAVEL COMPANY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/16/19	0	7,682	0	This Rural Development investment will be used to assist Sweetwater Travel Company to purchase and install a 15.6 kWh solar system to power a local fly fishing travel business. Sweetwater Travel Company, was started in the mid-nineties and provides training on fishing, travel advice, and conservation activities. The business requires large amounts of energy to operate and this solar energy project will offset energy costs dramatically. This project replaces 14,771 kWh of electricity per year which is enough electricity to nearly power 1.5 homes and saves the operation roughly 91% in annual energy costs. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. $23,046l Owner Funds $30,728l Total Project Costs
MONTANA	THE PARK CABIN COMPANY, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	8,177	0	Rural Development investment will be used to assist The Park Cabin Company for the purchase and installation of a 52 million btu or 15,360 kWh per year grid-tied pole-mounted solar array system for a tourism based cabin rental business, which currently supports two full time jobs, within the boundaries of the Blackfeet Indian Reservation, in Glacier County. Rural Development financing was leveraged with business owners cash injection of $24,533. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
MONTANA	THREE TRAILS INVESTMENTS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	19,998	0	0
MONTANA	TOWN OF EKALAKA	RBEG	RBCS ENTERPRISE GRANTS	07/17/19	0	23,850	0	This Rural Development investment will be used to help finance a feasibility study for the Town of Ekalaka. This study will be able to demonstrate that its levee system can meet federal regulations by having the system certified by a registered professional engineer or USACE. This project is expected to create 0 jobs and save 0. $23,850 Rural Development $23.850 MT Community Development Block Grant (CDBG) $5,000 Town of Ekalaka $52,700 Total
MONTANA	TRI-H STABLES LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/05/19	0	14,240	0	This Rural Development investment will be used for the purchase and installation of a LED Lighting retrofit for an indoor/outdoor equestrian stable located in Bozeman/Gallatin County/MT. Laura Love is the owner of Tri-H Stables, LLC. This company will realize an annual savings of $5,673 each year and will replace 20,130-kWh or 30% of its annual energy needs. This is enough energy to power approximately 2 houses annually. The purpose of this funding program is to assist farmer, ranchers, and small businesses in developing energy systems and to make energy efficient improvements to their business operations.

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MONTANA	WARRIOR, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	2,994	0	This Rural Development investment will be used to assist, Warrior, LLC. to purchase and install a 13,277 kWh solar system to power its computer security company. Warrior, LLC., a veteran-owned business, was started in 2005 and provides fraud detection and computer security services. The business requires large amounts of energy to operate and this solar energy project will offset energy costs dramatically. This project replaces 6,779 kWh of electricity per year which is enough electricity to nearly power one home and saves the operation roughly $800 in annual energy costs. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. $8,984! Owner Funds $11,978! Total Project Costs
MONTANA	WEAVER, ALAN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	3,329	0	This Rural Development investment will be used for the purchase and installation of a 49.88 kW solar PV system. Alan Weaver is a sole owner/operator of a cattle operation in Big Sandy, Chouteau County, MT. The solar system will be used to generate power for a remote well. The system will not be attached to an existing electric grid so it will not realize an annual savings nor will it replace energy that could be used to power residential homes. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	ABELS FARMS INC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/19/19	0	24,413	0	This Rural Development investment will be used for the purchase and installation of converting a gravity to a subsurface drip irrigation system, with a well rebowl. Abels Farms, Inc. is a locally owned and operated crop farm that has been in operation since 2004. Project funds will be used to make energy efficiency improvements with the purchase and installation of subsurface drip irrigation system. This project will realize $1,269 per year in savings, and will save 5,481 kWh of electricity per year (45%). The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	AJH LAND COMPANY, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/20/19	0	18,003	0	This Rural Development investment will be used for the purchase and installation of HVAC, lighting, doors, windows, water heater, and insulation. AJH Land Company, LLC lives locally, owns and operates a newly formed LLC specializing in real estate rentals. Project funds will be used to make energy efficiency improvements with the purchase and installation of HVAC, lighting, doors, windows, water heater, and insulation. This project will realize $8304 per year in savings, and will save 74,305 kWh of electricity per year (71%) which is enough electricity to power six homes.
NEBRASKA	ALLEN, LOREN	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/11/19	0	8,025	0	This Rural Development investment will be used for the purchase and installation of two new more efficient electric irrigation motors. Loren Allen lives locally, owns and operates the land as a lessor of real estate. Project funds will be used to make energy efficiency improvements with the purchase and installation of three new more efficient electric irrigation motors. This project will realize $9,425 per year in savings, and will save 296,909 kWh of electricity per year (65.33%) which is enough electricity to power 27 homes.
NEBRASKA	AMERICAN SHIZUKI CORPORATION	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/19/19	0	381,750	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a single ground based HVAC system, LED lighting systems, and electrical transformers. American Shizuki Corporation has been in existence since 1973 and develops new products and manufacturing technologies in the capacitor market. This project will realize $21,685 per year in savings, and will replace 255,606 kWh of electricity per year (48%), which is enough electricity to power 23 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	ANDREWS, PAUL D.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/11/19	0	4,044	0	This Rural Development investment will be used for the purchase and installation of an energy efficient electric irrigation motor. Paul Andrews is a locally operated corn and soybean producer. Project funds will be used to make energy efficiency improvements with the purchase and installation of an electric irrigation motor. This project will realize $6,741 per year in savings, and will save 137,176 kWh of electricity per year (65%) which is enough electricity to power 12 homes.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
NEBRASKA	ANSON, LESTER	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/22/19	0	3,035	0	This Rural Development investment will be used for the purchase and installation of a new more efficient electric irrigation motor. Lester Anson lives locally, owns and operates as a owner and investor in agricultural real estate. Project funds will be used to make energy efficiency improvements with the purchase and installation of a new more efficient electric irrigation motor. This project will realize $1,299 per year in savings, and will save 47,217 kWh of electricity per year (65.33%) which is enough electricity to power four homes.
NEBRASKA	BARTAK, DANA	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/11/19	0	4,133	0	This Rural Development investment will be used for the purchase and installation of a new more efficient electric irrigation motor. Dana Bartak lives locally, owns and operates 680 acres producing primarily corn and soybeans. Project funds will be used to make energy efficiency improvements with the purchase and installation of a new more efficient electric irrigation motor. This project will realize $738.00 per year in savings, and will save 52,139 kWh of electricity per year (65.33%) which is enough electricity to power four homes.
NEBRASKA	BEAD MOUNTAIN RANCH, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/17/19	0	6,134	0	This Rural Development investment will be used for the purchase and installation of 4.56 kW solar for stock wells. Bead Mountain Ranch, Inc. is a locally owned and operated land leasing corporation that has been in existence since 1964. This project will realize $46,301 per year in savings, and will generate 457,934 kWh of electricity per year (100%), which is enough to power 42 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	BEELAERT, ROBERT	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/11/19	0	13,882	0	This Rural Development investment will be used for the purchase and installation of five new more efficient electric irrigation motors. Robert Beelaert lives locally, owns and operates a real estate investment business. Project funds will be used to make energy efficiency improvements with the purchase and installation of five new more efficient electric irrigation motors. This project will realize $22,836 per year in savings, and will save 399,861 kWh of electricity per year (65.33%) which is enough electricity to power 36 homes.
NEBRASKA	BENLEE FARMS, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/17/19	0	8,325	0	This Rural Development investment will be used for the purchase and installation of converting diesel irrigation engines to electric irrigation motors. Boyd Strope lives locally, and owns 100% of BenLee Farms, Inc., that leases agriculture real estate investment property, and operates a lessor of real estate business. Project funds will be used to make energy efficiency improvements with the purchase and installation of two 60 H.P. electric motors. This project will realize $3,771 per year in savings, and will save 151,834 kWh of electricity per year (65%) which is enough electricity to power 14 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	BOARD OF REGENTS UNIVERSITY OF NEBRASKA	RCDG	PERSISTENT POVERTY RCDG - RURAL COOPERATIVE DEVELOPMENT GRANTS	09/11/19	0	200,000	0	Rural Development funds will be used to develop projects including value added agriculture, local food systems, economic development and cooperative business education programs that will create 7 new businesses, 25 businesses assisted, 7 jobs created and 5 jobs retained.
NEBRASKA	BRAUN'S IGA, INC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/24/19	0	2,421	0	This Rural Development investment will be used for the purchase and installation of a new 34 door Zero-Zone freezer system. Braun's IGA, Inc. is a locally owned and operated grocery store that has been in business since 1992. Project funds will be used to make energy efficiency improvements with the purchase and installation of freezer units. This project will realize $6,910 per year in savings, and will save 81,658 kWh of electricity per year (55%) which is enough to power seven homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
NEBRASKA	CENTER FOR RURAL AFFAIRS	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	57,390	0	This Rural Development investment will be used to provide training and technical assistance in Columbus, NE, Norfolk, NE, Hastings, NE, and Nebraska City, NE for small and emerging food businesses to assist Latinos develop home based food businesses or start new business enterprises in their community. Workshops and trainings will be facilitated in both English and Spanish to ensure access to the information is available to the target audience. Participants will receive training in completing a business plan and food handling permit requirements as well as information on local opportunities for business space. Participants who complete the training should have a complete business plan, ServSafe permitting, and a roadmap to move forward with their new business enterprise. This project is expected to assist at least 6 businesses, which will create 32 full-time equivalent jobs.
NEBRASKA	CENTER FOR RURAL AFFAIRS	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	101,473	0	This Rural Development investment will be used to provide business based training and technical assistance to rural microentrepreneurs and microenterprises. CFRA provides services in all 93 counties statewide in rural areas under 50,000 population, which includes Nebraska Congressional Districts 01-Fortenberry, 02-Bacon and 03-Smith. FY19 RMAP funding will be $101,473 grant. The applicant will provide 15% match to the grant $15,221. Center for Rural Affairs (CFRA) has received RMAP grant funds in the following years and amounts; FY10 $100,000; FY12 $85,160; FY13 $39,739; FY14 $47,947; FY15 $84,665; FY16 $91,545; FY17 $64,546; FY18 $66,940; FY19 $101,473. Each grant requires a 15% match.
NEBRASKA	CENTER FOR RURAL AFFAIRS	SSDPG	PERSISTENT POVERTY GRANTS TO ASSIST MINORITY PRODUCERS	09/11/19	0	121,620	0	Center for Rural Affairs (CFRA) proposes to support cooperative development among 5 socially disadvantaged rural audiences, specifically Native Americans, Latinos, and women. Groups will learn about cooperative models, the resources a cooperative can bring to their groups, and steps to cooperative development that fit their businesses.
NEBRASKA	CENTER FOR RURAL AFFAIRS	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	07/25/19	0	272,591	0	This Rural Development investment will be used to provide training and technical assistance in Thurston, Burt, and Knox counties for small food and art-based businesses based in the Omaha and Santee Reservations. The project will provide a series of trainings in specialty crop handling and processing, market options, product development, improving production capacity, and marketing. The project will provide training workshops focusing on entrepreneurship opportunities for tribal businesses in the realms of horticulture, flavored teas, and honey production. There will be additional training workshops focused on entrepreneurship in the creation and marketing of tribal art. The project will focus on small and emerging businesses located in Burt and Knox counties as well as Thurston county, NE, which is classified as a persistent poverty county. This project is expected to assist at least 21 businesses, which will create 18.75 full-time equivalent jobs.
NEBRASKA	COLUMBUS AREA CHAMBER OF COMMERCE	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	26,990	0	This Rural Development investment will be used to provide training and technical assistance in Boone, Butler, Colfax, Greeley, Merrick, Nance, Platte, Polk, and Valley counties in Nebraska. The Columbus Area Chamber of Commerce is seeking to improve the retail environment in their community and is planning to provide a Destination Bootcamp Business Training for small and emerging businesses in the Columbus area to create a Consumer Destination Community. There will be additional training for the attending businesses in the four months following the conference and an additional follow up workshop in Columbus for additional business in the community. This project is expected to assist at least 4 businesses, which will create 2.5 full-time equivalent jobs.
NEBRASKA	DEMMEL FARMS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	3,266	0	This Rural Development investment will be used for the purchase and installation of 25.5 kW Solar Array. Alan Demmel is a locally owned and operated hog production farm that has been in existence since May 2nd, 2017. This project will realize $4,570 per year in savings, and will generate 38,087 kWh of electricity per year (11%), which is enough to power three homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
NEBRASKA	DOUGHERTY-RUTHER FARMS, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/09/19	0	27,576	0	This Rural Development investment will be used for the purchase and installation of multiple electric irrigation motors. Dougherty-Ruther Farms, LLC is locally owned and operated, and has been in existence since 2014. They own and operate 1,800 acres and produce primarily corn and beans. Project funds will be used to make energy efficiency improvements with the purchase and installation of six electric irrigation motors. This project will realize $9,717 per year in savings, and will save 462,892 kWh of electricity per year (65%) which is enough electricity to power 42 homes.
NEBRASKA	E ENERGY ADAMS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/09/19	0	250,000	0	This Rural Development investment will be used for the purchase and installation of a roller mill, fermentation tank, cooling tower and chiller, dehydration equipment (Whitefox membrane), and evaporator. E Energy Adams, LLC is a locally owned and operated ethanol plant that has been in existence since 2005. Project funds will be used for the purchase and installation of the previously mentioned equipment. This project will generate 17 million gallons of biofuel each year, enough to fuel 23,035 automobiles per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	ELITE ENDEAVORS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	12/21/18	2,190,000	0	0	This Rural Development loan guarantee investment will be used for takeout of interim financing to purchase equipment (2 extruders) to expand production capacity and manufacture additional cattle feed pellets to accommodate the growing demand of the business which produces 100% dried distillers grain cubes, pellets, and creep feed for cattle producers and feeders. The manufacturing facility is located in Lexington, NE which, is in Dawson County, and the project is expected to create 18 jobs.
NEBRASKA	GENEVA OFFICES, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/22/19	0	4,281	0	This Rural Development investment will be used for the purchase and installation of LED lighting. Geneva Offices, LLC is a locally owned lessor of real estate that has been in business since 2005. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $3,671.49 per year in savings, and will save 2,143 kWh of electricity per year (32.74%). The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	GERING, CITY OF	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	06/04/19	0	300,000	0	Rural Development Funds will be used by the City of Gering to loan to the Riverside Zoological Foundation dba Riverside Discovery Center (RDC) to complete a business expansion, which includes constructing and developing a grizzly bear habitat for two orphaned cubs. This expansion will allow the business to expand their educational offerings that draw people in from a 4-hour radius to their facility. The City of Gering will match the loan fund with 20% (or $60,000) of its own funds and RDC will contribute $150,000 to the total project costs. RDC is a non-profit tourist attraction, educational facility, and the only zoo in Western Nebraska.
NEBRASKA	GLENN FAMILY INC	BI	GUARANTEED B&I 3% FEE LOAN	09/26/19	1,839,960	0	0	This Rural Development loan guarantee will be used to purchase equipment and inventory through a business acquisition to increase product lines and expand revenue growth for an existing home and garden consumer products manufacturer and supplier as well as refinance an existing B&I guaranteed loan. The manufacturing facility is located in Syracuse, NE, which is in Otoe County, and the project is expected to create 3 jobs.
NEBRASKA	GOTHENBURG, CITY OF	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	05/14/19	0	300,000	0	Rural Development funds will be used to provide grants to rural utilities program borrowers to provide economic development. This project will assist with the purchase and installation of new endoscopy equipment and technology upgrades at Gothenburg Memorial Hospital, in Gothenburg, in order to update aging equipment that is nearing the end of its useful life, which will allow them to install more modern, cost-effective, and more accurate technology to ensure the retention and creation of jobs and improving local access to essential rural healthcare services. This project will save 1 job and create 1 job, in a community of 3,574 in population.

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NEBRASKA	GVR FAMILY LIMITED PARTNERSHIP	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/18/19	0	16,420	0	This Rural Development investment will be used for the purchase and installation of three Diesel Engine to Electric Motor Conversions. Jason von Rentzell lives locally, owns and operates GVR Family Limited Partnership. Project funds will be used to make energy efficiency improvements with the purchase and installation of more efficient 100 HP electric motors. This project will realize $6,758 per year in savings, and will save 209,886 kWh of electricity per year (65%) which is enough electricity to power 19 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	H CORPORATION	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/06/19	0	31,777	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of six electric irrigation motors. H Corporation is a locally owned and operated agriculture production corporation operating 3500 acres, raising corn and soybeans, which has been in existence since 1997. This project will realize $19,319 per year in savings, and will replace 972,211 kWh (65%) per year, which is enough electricity to power 89 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	H. HUNTER COMPANY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/17/19	0	2,701	0	This Rural Development investment will be used for the purchase and installation of 1140 W solar for stock wells. H Hunter Company LLC is a locally owned and operated land leasing company that has been in existence since 2003. This project will realize $2,455 per year in savings, and will generate 20,149 kWh of electricity per year (100%), which is enough to power one home.
NEBRASKA	HEISS, LYLE	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/18/19	0	4,269	0	This Rural Development investment will be used for the purchase and installation of 100 HP Electric Motor. Lyle Heiss lives locally, and produces primarily corn and beans. Project funds will be used to make energy efficiency improvements with the purchase and installation of 100 HP Electric Motor. This project will realize $2,043 per year in savings, and will save 91,149 kWh of electricity per year (100%) which is enough electricity to power eight homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	HEISS, MICHAEL E	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/17/19	0	4,096	0	This Rural Development investment will be used for the purchase and installation of diesel to electric motors. Michael Heiss owns and leases 638 acres of land that produces primarily corn and beans to a partnership to farm and operate a lessor of real estate business. Project funds will be used to make energy efficiency improvements with the purchase and installation of 100 HP electric motors. This project will realize $3,135 per year in savings, and will save 88,153 kWh of electricity per year (65%) which is enough electricity to power eight homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	HO-CHUNK COMMUNITY DEVELOPMENT CORP	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	08/13/19	0	318,065	0	Rural Development funds will be used to support infrastructure expansion for a new 40 acre development in Winnebago, NE. Grant funds will support a portion of the infrastructure that will be developed for small business usage. This includes site work, installation of storm sewers and waste water systems, paving of access streets, gutters, and commercial site parking, and extension of utility services so that the developed area is ready to accept construction of retail, office, and business warehouse structures. The expanded development will include streetscape amenities and parking for tribal entrepreneurs engaged in service industries, hospitality, and light industrial production. This projects is expected to assist at a minimum 5 businesses and create or support 38 full-time equivalent jobs.
NEBRASKA	ICKES, MATTHEW A	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/18/19	0	7,804	0	This Rural Development investment will be used for the purchase and installation of diesel to electric motor. Matthew Ickes lives locally, owns and operates a farm producing mainly corn and soybeans. Project funds will be used to make energy efficiency improvements with the purchase and installation of 75 HP electric motor. This project will realize $6,104 per year in savings, and will save 149,843 kWh of electricity per year (70%) which is enough electricity to power 13 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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NEBRASKA	ICKES, ROBERT	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/22/19	0	3,747	0	This Rural Development investment will be used for the purchase and installation of a new more efficient electric irrigation motor. Robert Ickes lives locally, owns and operates 680 acres primarily producing corn and soybeans. Project funds will be used to make energy efficiency improvements with the purchase and installation of a new more efficient electric irrigation motor. This project will realize $758.00 per year in savings, and will save 70,604 kWh of electricity per year (65.33%) which is enough electricity to power six homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	L.T. FARMS, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/17/19	0	9,141	0	This Rural Development investment will be used for the purchase and installation of diesel to electric motor conversion. Larry Tadken lives locally, owns and operates L.T. Farms, Inc. Project funds will be used to make energy efficiency improvements with the purchase and installation of 100HP electric irrigation motors. This project will realize $6,371 per year in savings, and will save 251,820 kWh of electricity per year (65%) which is enough electricity to power 23 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	LINCOLN LANDSCAPING COMPANY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/17/19	0	12,292	0	This Rural Development investment will be used for the purchase and installation of 25 kW Solar Array. Lincoln Landscaping Company is a locally owned and operated landscaping company that has been in existence since 2005. This project will realize $5,649 per year in savings, and will generate 40,380 kWh of electricity per year (124%), which is enough to power three homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	LITTLE PRIEST TRIBAL COLLEGE	RBOG	RBCS OPPORTUNITY NATIVE AMERICAN GRANTS	07/23/19	0	65,500	0	Rural Development funds will be used for site planning, civil engineering planning, conceptual design, environmental impact study, and feasibility of creating a business incubator and business development center for Little Priest Tribal College in the Village of Winnebago. This project is expected to assist at a minimum of 6 businesses and create or support at 15 full-time equivalent jobs.
NEBRASKA	LITTLE PRIEST TRIBAL COLLEGE	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	07/24/19	0	53,713	0	Rural Development funds will be used to provide training opportunities through Little Priest Tribal College's Continuing Education Program. There are two focuses for the training that will be provided, E-Biz Training and Customer Service Training. The E-Biz Training will include classes on on-line point of sales, website improvement, designing a social media plan, advertising through social media, and building your on-line reputation. The Customer Service Training will include classes on monitoring, measuring, and managing customer service for small businesses. This project is expected to assist at a minimum of 6 businesses and create or support at 15 full-time equivalent jobs.
NEBRASKA	LODGEPOLE, VILLAGE OF	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	62,620	0	Grant funds will be used to purchase vacant building and vacant lots. Village of Lodgepole's Vision Group will provide inkind match and cash match to update building to house a bakery/caf© in an existing building. Funds will be used to purchase inventory for the restaurant (plates, cups, bowls, pans, etc.) Vacant lots will be developed (one for campers) to help grow the local economy.
NEBRASKA	MALCO PRODUCTS, SBC, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/06/19	0	49,941	0	This Rural Development investment will be used for the purchase and installation of energy efficient LED fixtures, LED lighting, and occupancy sensors. Malco Products, SBC, Inc., which is a tool manufacturer specializing in HVAC, exterior remodeling, and autobody tools, has been in existence since 1964. Project funds will be used to make energy efficiency improvements with the purchase and installation of Nicor HBC-2- 240W LED light fixtures, as well as microwave motion sensors. This project will realize $31,848 per year in savings, and will save 300,493 kWh of electricity per year (60%) which is enough electricity to power 27 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
NEBRASKA	MAPLE CREEK SEEDS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/17/19	0	10,640	0	This Rural Development investment will be used for the purchase and installation of 25.5 kW roof mount solar array. Maple Creek Seeds, LLC is a locally owned and operated seed dealer in Howells, NE. The company sells corn, soybean and alfalfa seed to farmers and are also a customer soybean seed treating facility that has been in existence since March 6, 2012. This project will realize $3,358 per year in savings, and will generate 38,087 kWh of electricity per year (213%), which is enough to power three homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	MIDWEST ELECTRIC COOPERATIVE CORPORATION	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	05/15/19	0	300,000	0	REDG funds will be used by Midwest Electric Cooperative Corporation (electrical intermediary) to loan $300,000, 0% interest for 10 years, to Hayes County to install an elevator and handicapped accessible restrooms in the County Courthouse. Revolved loan funds will be used to assist businesses in the area.
NEBRASKA	MILLS JR, GUY	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/18/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of grain dryer replacement. Guy Mills Jr lives locally, owns and operates his grain farm. Project funds will be used to make energy efficiency improvements with the purchase and installation of Deluxe model DPX4T Continuous Flow grain dryer. This project will realize $13,898 per year in savings, and will save 270,309 kWh of electricity per year (50%) which is enough electricity to power 24 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	NATIVE360 LOAN FUND, INC	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	07/01/19	0	114,968	0	Rural Development funds will be used to provide an on-line and one-on-one training program called Digital Inclusion. Native360 Loan Fund will deliver an integrated, online training curriculum that will consist of a series of self-paced, easy-to-use sessions that cover a variety of business basics, including E-commerce sales, Social Media Marketing, Business Strategy, Building On-Line Communities, Branding, and Finance for Small Businesses. The project will focus on Native American owned businesses located in their service area. This project is expected to assist at least ten businesses, and create and/or save 41.5 full-time equivalent jobs in the next 3 years.
NEBRASKA	NATIVE360 LOAN FUND, INC	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	29,680	0	This Rural Development investment will be used to provide business based training and technical assistance to rural microentrepreneurs and microenterprises. Native360 provides services in twelve Nebraska counties; Boyd, Burt, rural Douglas, Hall, Holt, Knox, rural Lancaster, Madison, Platte, rural Sarpy, Stanton and Wayne, which includes Nebraska Congressional Districts 01-Fortenberry, 02-Bacon and 03-Smith. Two Iowa counties; rural Pottawattamie Congressional District 03-Young and rural Woodbury Congressional District 04-King, Iowa Senators are Grassley and Ernst. One South Dakota county, Charles Mix; Congressional District 01-Noem, South Dakota Senators are Thune and Rounds. FY19 funding will be $29,680 grant. The applicant will provide 15% match to the grant $4,452. Native360 has received RMAP grant funds in the following years and amounts; FY13 $75,000; FY18 $11,382; FY19 $29,680. Each grant requires a 15% match.
NEBRASKA	NEBRASKA ENTERPRISE FUND	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	91,005	0	This Rural Development investment will be used to provide business based training and technical assistance to rural microentrepreneurs and microenterprises. NEF provides services in all 93 counties statewide in rural areas under 50,000 population, which includes Nebraska Congressional Districts 01-Fortneberry, 02-Bacon and 03-Smith. FY19 RMAP funding will be $91,005 grant. The applicant will provide 15% match to the grant $13,651. Nebraska Enterprise Fund (NEF) has received RMAP grant funds in the following years and amounts; FY10 $75,000; FY12 $10,305; FY13 $37,840; FY14 $23,436; FY15 $65,972; FY16 $65,622; FY17 $26,778, FY18 $59,615; FY19 $91,005. Each grant requires a 15% match.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
NEBRASKA	NEBRASKA INDIAN COMMUNITY COLLEGE	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	08/09/19	0	139,097	0	Rural Development funds will be used to create an accelerated Child Development Associate certification program at Nebraska Indian Community College's Santee and Macy campuses. Currently there is a low rate of private businesses in the communities of Macy, Rosalie, Santee, and Walthill. This presents a great need for additional training to create business opportunities in these locations. The course work that will be offered will allow potential businesses to be created or for individuals to become certified to work in the daycares with in the area. This project is expected to assist at least 20 small businesses and create or support up to 26 full time equivalent jobs.
NEBRASKA	NEBRASKA INDIAN COMMUNITY COLLEGE	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	08/12/19	0	130,759	0	Rural Development funds will be used to create an accelerated Entrepreneurship certification program at Nebraska Indian Community College's Santee and Macy campuses. Currently there is a low rate of private businesses in the communities of Macy, Rosalie, Santee, and Walthill. This presents a great need for additional training to create business opportunities in these locations. The course work that will be offered will allow potential entrepreneurs with the knowledge to create and operate their own businesses. This project is expected to assist at least 29 small businesses and create or support up to 31 full time equivalent jobs.
NEBRASKA	NEBRASKA INDIAN COMMUNITY COLLEGE	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	08/09/19	0	131,710	0	Rural Development funds will be used to create an accelerated Carpentry certification program at Nebraska Indian Community College's Santee and Macy campuses. Currently there is a low rate of private businesses in the communities of Macy, Rosalie, Santee, and Walthill. This presents a great need for additional training to create business opportunities in these locations. The course work that will be offered will allow potential businesses to be created or for individuals to become certified to work in the construction industry within the service area. This project is expected to assist at least 11 small businesses and create or support up to 17.5 full time equivalent jobs.
NEBRASKA	NORFOLK, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	75,000	0	This Rural Development investment will be used to establish a revolving loan fund for the city of Norfolk and surrounding communities in Madison county, Nebraska. The city of Norfolk is rural community in northeast Nebraska seeking to improve the number and caliber of job opportunities and retain existing jobs by providing opportunities for financing to new business startups and financing for expansion or retention of existing businesses. The funds will be loaned out to small and emerging businesses in Madison County for economic development projects in Norfolk and the surrounding communities. This project is estimated to assist at least 3 small and emerging businesses and to create or support 22 jobs.
NEBRASKA	NORTHEAST ECONOMIC DEVELOPMENT, INC	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	66,433	0	This Rural Development investment will be used to provide business based training and technical assistance to rural microentrepreneurs and microenterprises. NED provides services in twenty-six rural Nebraska counties; Antelope, Boone, Boyd, Brown, Burt, Butler, Cedar, Cherry, Colfax, Cuming, Dakota, Dixon, Dodge, Douglas, Holt, Keya Paha, Knox, Madison, Nance, Pierce, Platte, Rock, Stanton, Thurston, Washington, and Wayne, which includes Nebraska Congressional Districts 01-Fortenberry and 03-Smith. FY19 RMAP funding will be $66,433 grant. The applicant will provide 15% match to the grant $9,965. Northeast Economic Development, Inc. (NED) has received RMAP grant funds in the following years and amounts; FY10 $105,000; FY13 $3,290; FY14 $20,081; FY15 $47,275; FY16 $36,640; FY17 $23,072; FY18 $42,954; FY19 $66,433. Each grant requires a 15% match.
NEBRASKA	NUMAKE-1, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/23/19	5,000,000	0	0	This Rural Development loan guarantee will be used to take out interim construction financing to purchase, construct, and install equipment to develop a 3,000 metric ton/year ProTyton and 19,000 ton/year MiruTyton animal food manufacturing facility. The ProTyton and MiruTyton products will be produced and sold through offtake agreements with partners in the aquaculture, swine, and poultry industries. The manufacturing facility will be located in Sutherland, NE, which is in Lincoln County, and the project is expected to create 11 jobs.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
NEBRASKA	O'BRIEN, DALE	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/17/19	0	13,906	0	This Rural Development investment will be used for the purchase and installation of diesel to electric motor conversion. Dale lBrien lives locally, owns and operates a small family row crop and cattle operation. Project funds will be used to make energy efficiency improvements with the purchase and installation of a 125 HP electric motor. This project will realize $7,090 per year in savings, and will save 168,547 kWh of electricity per year (66%) which is enough electricity to power 15 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	PMC FARMS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/09/19	0	11,361	0	This Rural Development investment will be used for the purchase and installation of 25 kW Solar Array. PMC Farms LLC is a locally owned and operated customer hog operation that has been in existence since 2010. This project will realize $3,079 per year in savings, and will generate 35,778 kWh of electricity per year (61%), which is enough to power three homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	REGIER, PHILLIP	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/17/19	0	3,671	0	This Rural Development investment will be used for the purchase and installation of diesel to electric motor conversion. Phillip Regier lives locally, owns and rents property for the production of corn. Project funds will be used to make energy efficiency improvements with the purchase and installation of 125 H.P. electric motor. This project will realize $1,855 per year in savings, and will save 103,100 kWh of electricity per year (50%) which is enough electricity to power nine homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	RIVERPOINT PROPERTIES, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/09/19	0	39,939	0	This Rural Development investment will be used for the purchase and installation of 92.5 kW solar array. Riverpoint Properties, LLC is a locally owned and operated Real Estate company that has been in existence since 2017. This project will realize $11,019 per year in savings, and will generate 136,350 kWh of electricity per year (112%), which is enough to power 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	SCHUSTER RANCH, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/17/19	0	2,539	0	This Rural Development investment will be used for the purchase and installation of solar panels to replace stock wells. Gary Schuster lives locally, owns and operates Schuster Ranch, LLC. Project funds will generate 26,000 kWh of electricity per year (100%), which is enough to power two homes, and will realize $2,222 of savings per year.
NEBRASKA	SCHUSTER, PAUL	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/09/19	0	18,522	0	This Rural Development investment will be used for the purchase and installation of converting gravity irrigation to pivot irrigation. Paul Schuster, a sole proprietor, lives in Miami, Florida and leases out agriculture ground that he owns for local agriculture production. Project funds will be used to make energy efficiency improvements with the purchase and installation of center pivot. This project will realize $3,429 per year in savings, and will save 16,163 kWh of electricity per year (43%) which is enough electricity to power one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	SEQUOIA WEALTH PARTNERS, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/06/19	0	29,212	0	This Rural Development investment will be used for the purchase and installation of lighting, windows, doors, insulated siding, insulated roof system, and HVAC. Sequoia Wealth Partners, LLC is a locally owned and operated financial advising firm which has been in existence since 2011. Project funds will be used to make energy efficiency improvements with the purchase and insulation of the previously mentioned items. This project will realize $11,133 per year in savings, and will save 84,862 kWh of electricity per year (70%) which is enough electricity to power seven homes.
NEBRASKA	SHAKTI HOSPITALITY, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/30/18	825,000	0	0	Rural Development funds will be used to fund the acquisition of a motel in Chadron, Nebraska. The acquisition will create 3 jobs and save 4 jobs.

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NEBRASKA	SKYTOWN PROPERTIES, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/09/19	0	49,675	0	This Rural Development investment will be used for the purchase and installation of 280.5 KW solar array. Skytown Properties, LLC is a locally owned and operated rural small business with chicken houses and grain production that has been in existence since 2015. This project will realize $20,260 per year in savings, and will generate 422,096 kWh of electricity per year (88%), which is enough to power 38 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	STAGEMEYER, BRENT	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/20/19	0	7,167	0	This Rural Development investment will be used for the purchase and installation of two new more efficient electric irrigation motors. Brent Stagemeyer lives locally, owns and operates 1,200 acres producing primarily corn, has a 250 head cow/calf and 300 head bred livestock operation. Project funds will be used to make energy efficiency improvements with the purchase and installation of two new more efficient electric irrigation motors. This project will realize $11,020 per year in savings, and will save 238,998 kWh of electricity per year (65.33%) which is enough electricity to power 22 homes.
NEBRASKA	SUSAN LAFLESCHE PICOTTE CENTER	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	09/13/19	0	589,675	0	Rural Development Funds will be used to renovate and restore the historic Dr. Susan Laflesche Piccote Memorial Hospital in Walthill, NE. The primary purpose of the project will be securing the building structure and preparing it for further interior renovation. It will provide a structural base for the final renovation of the interior for business training through technical assistance activities and business incubators spaces for entreprenuers to start-up native american small businesses and create jobs. The project will preserve a significant historic and cultural asset for the Omaha Reservation and the Village of Walthill. Dr. Susan LaFlesche Picotte is widely acknowledged as the first Native American to earn a medical degree. The former hospital building was declared a National Historic Landmark in 1992. In 2018 the Dr. Susan LaFlesche Picotte Memorial Hospital was listed as on of the top endangered historic places in America by National Trust for Historic Preservation. This project is expected to assist at a minimum of 12 small businesses and create or support 51 full-time equivalent jobs in the next 3 years.
NEBRASKA	WHITECLAY MAKERSPACE	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	07/26/19	0	105,486	0	Rural Development funds will be used to carry out the second phase of the Whiteclay Makerspace in Whiteclay, NE. Grant funds will be used to purchase the equipment needed to start operation. Equipment will consist of tools, machines and other equipment for artists, including sewing machines, quilting machines, laser cutter, easels, work tables, looms and stands, along with other specialized and standard tools. This project will assist at a minimum 11 small businesses and is expected to create or save 23 full-time equivalent jobs over the next three years.
NEBRASKA	WILLIAMS, BRADLEY	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	06/18/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of grain dryer replacement. Bradley Williams lives locally, owns and operates his grain farm. Project funds will be used to make energy efficiency improvements with the purchase and installation of SuperB SQ32E grain dryers. This project will realize $7,623 per year in savings, and will save 122,401 kWh of electricity per year (60%) which is enough electricity to power 11 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEBRASKA	WOOD RIVER, CITY OF	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	09/12/19	0	243,633	0	Rural Development funds will be used to provide grants to rural utilities program borrowers to provide economic development. This project will assist with the construction of a new, non-profit, child development center with the licensed capacity of up to 80 children, ages 6 weeks to 12 years old, by completing renovations in an existing building. The new center will serve the families and residents of Wood River and the surrounding area and fulfill a need for the community for the last several years. This project will create 8 new jobs within the first full year of its operation, and 14 in the first 3 years, in a community of 1,325 in population. Matching funds includes $48,727 from the City of Wood River, $1,320,640 from donations and pledges raised through various local fundraisers, and $350,000 in CDBG funds.

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NEVADA	CHEMEON SURFACE TECHNOLOGY, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/08/19	0	15,979	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. These project funds will used to make energy efficiency improvements with the purchase and installation of four HVAC units and one water heater for Chemeon Surface Technology, LLC offices in Minden NV. This improvement will save the business $4,954 a year.
NEVADA	CHURCHILL COUNTY	RBOG	RBCS DEVELOPMENT GRANT	07/15/19	0	20,000	0	RBDG funding will be used to determine viability for the County to proceed with the STAR Program plan and feasibility study. If viable this would provide the county with valuable information for attracting business and economic development to Churchill County and create jobs.
NEVADA	ECONOMY DRUG, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/20/19	0	3,850	0	REAP funding will be used to replace LED lighting in Toy store.
NEVADA	FASTOW, MARK	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/28/19	0	39,078	0	Rural Energy for America Grant funds will be used to install a 33.4 kW roof top solar in Boulder City, NV.
NEVADA	H&M ELY, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/07/19	0	27,086	0	Grant funding to upgrade HVAC and lighting systems for energy efficiency.
NEVADA	HUMBOLDT COUNTY	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	13,750	0	Funding will be used for Humboldt County to determine the viability of moving forward with the industrial hemp industry. If viable, the feasibility study will assist the county with this new business opportunity.
NEVADA	INDIAN DISPUTE RESOLUTION SERVICES INC.	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	07/12/19	0	65,524	0	IDRS provides training and technical assistance to Tribes and Tribal Members to assist in small business start-up and expansion. IDRS continually is writing new curriculum, updating current curriculums and expanding their instruction options (online, technical assistance follow-up, etc.) A minimum of 20 jobs is expected to be created as a result of this funding.
NEVADA	INDIAN DISPUTE RESOLUTION SERVICES INC.	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	19,983	0	IDRS provides training and technical assistance to Tribes and Tribal Members to assist in small business start-up and expansion. IDRS continually is writing new curriculum, updating current curriculums and expanding their instruction options (online, technical assistance follow-up, etc.) A minimum of 7 jobs is expected to be created as a result of this funding.
NEVADA	NEVADA SYSTEM OF HIGHER EDUCATION	REAR	RENEWABLE ENERGY DEVLP ASSISTANCE GRANTS	03/25/19	0	100,000	0	Nevada System of Higher Education division of Nevada Industry Excellence is proposing to complete 10-12 Renewable Energy Site Assessments and/or Renewable Energy Technical Assistance projects for rural small business including manufacturing and agricultural producers in the 14 rural counties of Nevada as well as the rural designated areas within our urban counties.
NEVADA	RURAL NEVADA DEVEL. CORP.	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/26/19	0	95,212	0	RMAP funds will be used to establish a revolving loan fund to assist small businesses with micro loans.
NEVADA	SAMSARG, INC.	BI	GUARANTEED B&I 3% FEE LOAN	08/20/19	3,990,000	0	0	
NEVADA	SOUTH FORK BAND COUNCIL	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	36,600	0	This funding is for a feasibility study for the Tribe to determine the viability of constructing a family-style restaurant bar and grill with a gift shop on the reservation. If the proposal is viable and moves forward an estimated 7 to 10 jobs could result from these business establishments.
NEVADA	WELLS CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/12/19	0	20,000	0	Rural Business Development grant funds will be used to establish a revolving loan fund for the City of Wells, Nevada.
NEW HAMPSI	ADAM E. MOCK & SON LOGGING & CHIPPING LL	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	10,500	0	This Rural Development investment will be used to install a 15.4kW ground-mounted solar array. Adam E. Mock and Son Logging and Chipping will able to replace 100% of their current electricity needs with the array, saving $3,400 annually. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	BETHLEHEM REIMAGINED, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/19/19	0	25,000	0	RBDG funds will be used to hire a third-party consultant to conduct a feasibility study and determine whether a new co-working business in Bethlehem is viable, sustainable and improves the quality of our business community.
NEW HAMPSI	BRAEBURN LIMITED PARTNERSHIP	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	19,240	0	This Rural Development investment will be used to install a 28.2kW solar array. Apple Ridge is a new workforce housing development that will provide housing to low and middle income residents. The solar array will provide 57% of the estimated electricity for common areas of the building only (entry, community room, offices, laundry, outside lights, and hallways). The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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NEW HAMPSI	CLOUTIER LANCASTER DEVELOPMENT, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/18/19	0	12,230	0	This Rural Development investment will assist a rural small business purchase and install a pellet boiler. Cloutier Lancaster Development, LLC owns a historic building in downtown Lancaster. The building houses several businesses, and the applicant is making several improvements to make the building more energy efficient. An existing oil heating system will be replaced with a state-of-the-art OkeFen pellet boiler, eliminating the need to burn almost 4,600 gallons of #2 fuel oil annually, while saving over $7,800 each year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	DCDAWSON, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/10/19	0	28,577	0	This Rural Development investment will provide partial funding for energy efficiency improvements to the HVAC system, as well as increasing the insulating qualities of the building envelope, and replacing fixtures with LED lighting. The reduction in electricity and oil consumption is estimated to be 58%, saving over $13,000 per year. Daryl Dawson purchased Kellerhaus in 2017, which is located near busy Weirs Beach. Kellerhaus offers tourists and locals an array of homemade ice-cream, chocolate, gifts, and more, and has been an important part of the Lakes Region's tourism economy since 1906. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	FRANCESTOWN IMPROVEMENT & HISTORICAL SOC	RBEG	RBCS ENTERPRISE GRANTS	07/19/19	0	30,000	0	RBDG funds will be used for the Village Store renovation project. It will assist small and emerging businesses in our community to create and support jobs. The project will enable the establishment of a local center of commerce - providing two to four full-time administrative jobs and six to-eight part-time jobs in retail sales and food preparation. In addition, the store will support workforce development at a number of local and area businesses, specifically food producers and artisans.
NEW HAMPSI	FRANKLIN, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	09/10/19	0	30,000	0	RBDG funding will be used to continue to fund the city of Franklin. Hoping to attract investors to complete the re-purposing and revitalization of the core downtown business district, with a target on specific properties that are significantly vacant and/or underutilized. An estimated 9 jobs will be created as a result of the project.
NEW HAMPSI	FROLING LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/24/19	0	82,903	0	This Rural Development investment will be used to install wood chip drying equipment in a newly built facility. Froling Energy manufactures advanced wood heating systems and produces a semi-dry wood chip fuel (PDC). The market for Froling s PDC s has necessitated the construction of an additional location in Keene, a distressed community. This Rural Development investment will be used to partially fund the purchase and installation of the equipment needed to produce the PDCs. Once fully operational, the plant is expected to produce 10,000 tons of PDCs a year enough to heat over 3,200 homes. The drying process also produces electricity (combined heat and power). While producing the chips, roughly 298,000kWh will be generated annually. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	GREGORY K. SAUNDERS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/31/19	0	10,703	0	This Rural Development investment will be used to install a 16.2kW roof-mounted solar array. Gregory Saunders owns the building from which he operates an appliance repair and maintenance business. The array will generate 145% of the current electrical needs, alleviating overhead and allowing for future expansion. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	HOLT BROTHERS ORCHARD PARTNERSHIP	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/08/19	0	49,999	0	This Rural Development investment will be used to install a 43.2kW roof-mounted solar array. Holt Brothers Orchards grows a variety of apples, peaches and other fruit, as well as vegetables. The array will generate 100% of the current electrical needs, saving over $13,100 annually. Agriculture plays an important part in New Hampshire s economy, and investments such as this help support local foods. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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NEW HAMPSI	LAKES REGION PLANNING COMMISSION	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	30,000	0	RBDG funds will be used for site plan preparation and schematic design necessary to establish a Makerspace & Incubator serving small & emerging businesses and entrepreneurs in Carroll County, NH. The Makerspace & Incubator will serve as the primary hub for the resource network, providing a center where residents will find access to training, specialized tools and equipment, and other targeted resources & services necessary for strengthening job creation, job-retention, business incubation and business growth.
NEW HAMPSI	MAKING MATTERS NH	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	24,025	0	RBDG funds will be used to provide technical assistance for community economic development, technology-based economic development, training entrepreneurs, and developing a makerspace that serves rural businesses, individuals, and entrepreneurs. If funded 9 jobs are expected to be created.
NEW HAMPSI	MCKENZIE'S FARM, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/16/19	0	49,188	0	This Rural Development investment will be used to install a 72.5kW ground-mounted solar array that will produce 124% of the farm s needs. The new system will provide the McKenzie Farm over $15,000 annually in savings and revenue. McKenzie's Farm is a family farm started more than two decades ago. The fruit and vegetables grown at the farm are sold at local farmers markets, offered through CSA s or customers can go pick their own, making it an important part of the local food system. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	MERIDAN HILL MAPLE FARM, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/12/19	0	27,700	0	This Rural Development investment will be used to install a 53.9kW ground-mounted solar array. Meridan Hill Maple is expanding its operations, and the new array will provide a little more than 50% of the electricity needed to produce maple syrup at their new location. Maple production is an important part of New Hampshire's local economies, particularly in the more northern parts of the state. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	MT WASHINGTON VALLEY ECON COUNCIL	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG LOANS	05/08/19	0	0	500,000	This Rural Development investment will be used to assist small businesses by providing loans that complement the region's financial market; stabilize and diversify the region's economy for startup and expansion operations; improve the rural area's competitive position in attracting industrial prospects versus major metropolitan areas; assist in the development and tenanting of industrial parts and facilities; and provide the region with available resources to apply for grants from public and private sources.
NEW HAMPSI	MT WASHINGTON VALLEY ECON COUNCIL	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG GRANTS	05/08/19	0	100,000	0	This Rural Development investment will be used in conjunction with a Rural Microentrepreneur Assistance Program loan to provide business education programs and technical assistance to potential Rural Microentrepreneur Assistance Program loan ultimate recipients.
NEW HAMPSI	MT. LIBERTY ACCOMODATIONS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/05/19	0	13,500	0	This Rural Development investment will be used to install a 16.5kW roof-mounted solar array at a popular lodging establishment in Lincoln, New Hampshire. Mt. Liberty Cabins and Motel is located in an area where travel and tourism contribute significantly to the local economy. It is projected to supply all of the energy needs of the business, which dates to 1927.
NEW HAMPSI	NE SOLAR 107 SULLIVAN STREET, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/19/19	0	39,846	0	This Rural Development investment will be used to install a 100.1kW ground-mounted solar array. The electricity sold to the grid, which is enough to power the equivalent of 10 homes, will provide NE Solar 107 Sullivan with almost $13,000 in annual revenue. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	NE SOLAR II LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/26/19	0	6,640	0	This Rural Development investment will be used to install a 39kW ground-mounted solar array. Area homes and businesses will be able to buy into the array, replacing some or all of their current reliance on fossil fuels for electricity. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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NEW HAMPSI	NORTHERN BORDERS REGIONAL COMMISSION	ARC	NORTHERN BORDER REGIONAL COMMISSION	09/27/19	0	2,666,666	0	This Rural Development investment will support the Northern Borders Regional Commission's work facilitating economic and community development in northern Maine, New Hampshire, Vermont, and New York. The work to be undertaken includes: economic and infrastructure development in rural communities; the creation of an Outdoor Economy Council to support existing efforts to further develop and market each state's tourism and recreation-based economies; support for the Working Communities Challenge initiative focused on innovative, community-driven economic development projects. Taken together, the project will leverage millions of non-federal dollars and will help create and save hundreds of jobs across the four states.
NEW HAMPSI	NORTHERN FOREST CENTER INC	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	29,975	0	RBDG Funds will be used to support small businesses in Lancaster, NH by generating resources and information needed to attract more visitors and residents to the downtown area. It will inform and attract people who are considering moving to a rural area about the benefits of Lancaster and its business community.Explore the feasibility of a downtown co-working space that would bring more people downtown during the day and appeal to potential new residents. Assess Lancaster's employment opportunities and what would be needed to make living there possible for people with different types of jobs and skills - again, to increase the population of working-age individuals and benefit local businesses. A proposed 7 businesses could be assisted with the creation of 8 potential new full time jobs as a result of this project.
NEW HAMPSI	NORTHERN FOREST CENTER INC	RBOG	RBCS DEVELOPMENT GRANT	06/03/19	0	12,000	0	This Rural Development investment will be used to conduct a study on the need for a way-finding system in Millinocket, Maine. Such as system would help direct visitors to local area businesses. This project will assist at least 5 area businesses. Total project cost is $43,200.
NEW HAMPSI	PORT CITY AIR, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/16/19	0	171,633	0	This Rural Development investment will be used to install a 302.4kW roof-mounted solar array. The estimated 290,000kWh produced by the array will provide all of Port City Air Inc.'s electricity needs, saving just over $29,000 a year. The energy generated by the project will be enough to power 26 average homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	SLANIA ENTERPRISES INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	20,000	0	This Rural Development investment will be used to install a 24.9kW roof-mounted solar array. Slania Enterprises, Inc. owns commercial real estate that will benefit from the array, which will be spread across two roofs. The 27,770kWh produced annually will save the company over $3,300 each year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	SOLIS, INC., LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/12/19	0	27,610	0	This Rural Development investment will be used to install a two (2) MESys pellet boilers in the basement of a commercial building. Solis Inc., LLC will own the system, and sell all heat produced by the equipment to the owner of the building, Willard Pines, LLC. Solis, Inc. LLC will collect $3,600 in revenue annually, while the tenants in the building receive reliable, environmentally friendly heat. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	SOUTHWEST REGION PLANNING COMMISSION	RBOG	RBCS DEVELOPMENT GRANT	07/18/19	0	16,000	0	RBDG funds will be used to assist municipalities, businesses and other stakeholders in addressing economic development challenges and needs and ultimately create, retain and support job growth. Grant funds will be used for technical assistance, which includes local community and multi-county economic development planning to be consistent with and further existing economic development plans, conducted in coordination with other on-going economic development activities in the region, and for the purpose of creating and retaining jobs in the region and individual communities.

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NEW HAMPSI	SOUTHWEST REGION PLANNING COMMISSION	RBOG	RBCS DEVELOPMENT GRANT	07/18/19	0	12,000	0	RBDG funds will be used to assist municipalities, businesses and other stakeholders in addressing broadband challenges and needs and ultimately create, retain and support job growth. Grant funds will be used for coordination and technical assistance, which includes local community and multi-county economic development planning relative to broadband service availability consistent with existing community and economic development plans, conducted in coordination with other on-going economic development activities in the region, and for the purpose of creating and retaining jobs in the region and individual communities.
NEW HAMPSI	SPONGE-JET, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	99,820	0	This Rural Development investment will be used to install a 129.6kW roof-mounted solar array. Sponge-Jet, Inc. is the world's leading manufacturer of dry, low dust, recyclable abrasive blasting media and related high-production equipment. The array will generate 80% of the company's electricity needs, saving it over $16,400 annually. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	SUNRISE VIEW LEASING, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	10,057	0	This Rural Development investment will be used to install a 16.7kW roof-mounted solar array. Sunrise Meadow is a new community of apartments for lease to person aged 55 and older. This solar array will power the community center's common areas, assisting the owner, Sunrise View Leasing, LLC to achieve their goal of keeping rents affordable. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	TEGRA EQUIPMENT, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/03/19	0	20,000	0	This Rural Development investment will be used to install a 43.2kW roof-mounted solar array. Tegra Equipment, Inc., also known as Bobcat of New Hampshire, will replace 100% of its current electrical use with the new array. Savings in excess of $9,200 annually will be realized, and the energy generated by the project will be enough to power five (5) homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	THE STONE CHURCH, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/07/19	0	18,130	0	This Rural Development investment will be used to install a 25.9kW roof-mounted solar array. The Stone Church, a popular gathering place and concert venue, will now generate more than 50% of its energy needs with the array. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW HAMPSI	TOWN OF PITTSFIELD	RBEG	RBCS ENTERPRISE GRANTS	07/19/19	0	30,000	0	RBDG funds will be used to assist the Downtown Pittsfield Facade and Storefront Improvement Project will renovate existing buildings in downtown Pittsfield and result in community economic development. Six individual businesses will receive a portion of the grant, matched with their own funds to conduct renovations to their facades and storefronts. These renovations will result in economic development in Pittsfield by increasing visitation by resident and visitors to downtown. Increasing spending at downtown businesses. Improving quality of life, and will result in job creation by participating businesses.
NEW HAMPSI	UNION CHURCH	RBEG	RBCS ENTERPRISE GRANTS	07/19/19	0	30,000	0	RBDG funds will be used for small businesses with the professional expertise we need to fulfill our objectives of funding and development. These businesses provide most of their work outside Claremont, and outside the state in some cases, giving them very little income from the immediate region. These funds not only provide WCCMA with much needed professional services so that we can help incubate and expand more creative businesses with a new downtown facility, it helps 3 of those businesses survive, and gives them reasons to stay in our community. Further, the final project when completed will provide a space for small businesses working in music, arts, and other fields to have a space to grow their business and skills.
NEW JERSEY	A. T. BUZBY FARM LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	15,966	0	This Rural Development investment will be used for the purchase and installation of a 33.11 kW roof mounted photovoltaic solar array. A.T. Buzby Farm, LLC is a farm that will realize $6,063.00 per year in savings and will replace 41,736 kWh (100% of historical consumption) per year. This project will save enough electricity to power three (3) homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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NEW JERSEY	ANSUYA RIVERBEND, LLC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/26/19	0	50,000	0	This Rural Development investment will be used to purchase and install a 90 kilowatt roof mount solar array located in Clinton, Hunterdon County, N.J.. Ansuya Riverbend, LLC is a small business that will generate 110,338 kilowatt hours of electricity per year; replacing 17% of their annual consumption. This project will save enough electricity to power thirteen (10) homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW JERSEY	CMI-PROMEX, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/26/19	0	60,862	0	This Rural Development investment will be used to fund the construction of a 107.44 kilowatt ground mounted solar ,photovoltaic system. The solar system will generate 147,150 kilowatt hours of electricity per year; enough to power over 13 homes. This investment will replace over 97% of CMI-Promex's historical electric consumption. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW JERSEY	COOP BUSINESS ASSIS CORP	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	85,897	0	0
NEW JERSEY	ELIJAH'S PROMISE	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	35,700	0	Rural Development Funds will be used to provide eligible technical/professional assistance to at least 11 businesses in eligible areas of Burlington, Mercer, Middlesex, and Essex counties. The project will be used to support staffing costs, commercial kitchen equipment, supplies to support the project space usage, and the procurement of local produce from NJ farmers to be used for the promotion of the program at local events.
NEW JERSEY	FOODSHED ALLIANCE, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	34,500	0	Rural Development funds will be used to improve access to preserved farmland through advocacy and acquisition of affordable long-term leases to farmers in New Jersey. The Sustainable Agricultural Enterprise (SAgE) Project will provide more affordable farmland within the State of New Jersey, and increase utilization of government-owned, deed-restricted farmland. The project will enable pilot grows for producers undertaking new crops and value added production. The project will also provide producers with on-farm technical assistance by hiring a Farm Project Manager to assist the ag producers with their projects.
NEW JERSEY	HACKETTSTOWN BUS. IMPROVEMENT DIST., INC	RBOG	RBCS DEVELOPMENT GRANT	06/26/19	0	28,000	0	Rural Development funds will be used to conduct a feasibility study on the development of a public market facility that will serve residents of Hackettstown and its surrounding communities. This project will provide businesses with vendor and dining space. The project will give people the opportunity to dine, rest, meet, and shop.
NEW JERSEY	HOPEWELL VALLEY VINEYARDS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/23/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 33.5kW roof mount solar array to be located in Pennington, Mercer County, NJ. Hopewell Valley Vineyards, LLC. is a Winery established on May 22, 2001 that will realize $9,308.00 per year in savings and will replace 40,845kWh (105.66%) per year. This project will save enough electricity to power three (3) homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW JERSEY	LUMINOUS SOLAR, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	10,671	0	This Rural Development investment will be used for the installation of a 25.11kW roof mount solar array that will generate energy on-site for Muzzarelli Farms in Buena Vista Twp., New Jersey. Luminous Solar will own the system and sell electricity at a discounted rate to Muzzarelli Farm. Luminous Solar will realize annual income of $2,986 from the Power Purchase Agreement. This project will generate 29,863kWh of electricity. This generation of electricity from renewable sources to power three (3) homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW JERSEY	NEW JERSEY DEPARTMENT OF AGRICULTURE	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	49,800	0	This Rural Development investment will be used to examine the feasibility of 3 models to provide N.J. livestock producers with a local and/or mobile processing facility. N.J. livestock producers incur significant costs for transportation out of state to process their cuts of meat. A local processing facility will significantly decrease the cost of processing for a declining agricultural industry in N.J..

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NEW JERSEY	RASTELLI RANCH, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/17/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 60kW roof mount solar array to be located in Mickleton, Gloucester County, New Jersey. Rastelli Ranch is a livestock producer. Their projected energy savings from this project equates to approximately $11,308 in energy savings per year. This project will save enough electricity to power five (5) homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW JERSEY	RUTGERS THE STATE UNIVERSITY OF NJ	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	30,000	0	Rural Development funds will be used to provide technical assistance to 10 small, independent grocers located in rural areas of Burlington, Hunterdon, Somerset, Camden, Atlantic, Cape May, and Warren Counties. The project will help the grocers become more energy efficient, conserve water, and reduce waste. This project will implement a training plan to train grocery store managers on how to evaluate their environmental practices.
NEW JERSEY	SHULMAN ENTERPRISES, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/18/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 18kW roof mount solar array to be located in Mt. Holly, Burlington County, New Jersey. Shulman Enterprises, Inc. is a Boarding and Grooming facility (animal kennel) established on January 2, 1996 that will realize $6,059.00 per year in savings and will replace 25,112kWh (92.15%) per year. This project will save enough electricity to power two (2) homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW JERSEY	SUSSEX COUNTY COMMUNITY COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	50,000	0	This Rural Development investment will be used to provide occupational education, processing equipment, business incubation, and job placement for agricultural and culinary industries in the local rural area. The project will have a positive impact on Opportunity Zones and poverty areas in Sussex County, NJ.
NEW JERSEY	THE DOGGETT CORPORATION, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/26/19	0	45,375	0	This Rural Development investment will be used for the purchase and installation of a 83.22 kilowatt roof mount photovoltaic solar system located in Lebanon, Hunterdon County, N.J.. The Doggett Corporation, Inc. is a rural small business that will generate 91,502 kilowatt hours through this investment; replacing 95% of their historic annual consumption. This project will save enough electricity to power eight (8) homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW MEXICO	ACOMA, PUEBLO OF	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	07/22/19	0	499,000	0	Pre-construction activities for development of a business center to serve small and emerging businesses within the Pueblo of Acoma. Activities include: Complete land acquisition and removal of existing building structures; complete land survey, right-of-way and easement; complete environmental, archaeological and other clearances; complete drainage analysis and geotechnical reports; complete utility clearances and permits; complete design plans for utilities and buildings; and installation of utility infrastructure.
NEW MEXICO	ANGEL FIRE, VILLAGE	RBOG	RBCS DEVELOPMENT GRANT	07/03/19	0	20,000	0	This Rural Development investment, through the FY2019 Rural Business Development grant, will be used ($20,000 grant funds; $7,827 contribution from applicant; $10,000 in-kind from contractor/consultant; and $2,500 contribution from local bank; total: $40,327) will be used to fund a project to identify and analyze business opportunities for the rural Village of Angel Fire, NM. The project will apply rural resources to a strategy for year-round economic growth and sustainability for a village that now operates as a seasonal community. As this is an assessment, no jobs will be created/saved; however, it is expected that with this assessment, initial results will show approximately 30 jobs created. The application contained letters of support and commitment from seven businesses that run the gamet of business types in this community. A NM consultant specializing, and seasoned in, economic development work, will be the contractor on this project.
NEW MEXICO	CIA, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/31/19	0	9,236	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 10.15kW PV solar array for CIA, Inc.'s Insurance building. This project will realize $1,849.00 per year in savings and will generate 18,494kWh of electricity per year equal to (100%) of the facilities energy and provide enough energy to power 1 home.

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NEW MEXICO	CONLEY'S LUMBER MILL, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/28/19	0	7,897	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 7.8kW solar array. This project will realize $1,857 per year in savings and will save 15,023kWh of electricity per year (100%) which is enough to power 1 home.
NEW MEXICO	FLOWER HILL INSTITUTE	RBEG	RBCS ENTERPRISE GRANTS	07/03/19	0	34,850	0	This Rural Business investment, through Rural Business Development Grant funds ($34,850 with $18,650 contribution), will be used to enable a non-profit to provide technical assistance toward the collaboration, and expected merger, of two meat processing companies, in rural mid-NM, with the goal of meeting processing demands in rural NM. Technical assistance by experienced consultants will provide stakeholder and company meetings as well as assessments that will result in financial strategies, a financial plan, and a business plan for the collaboration of a Navajo-owned Southwest Native Meats and Western Way Custom Meats. Letter from both processing companies and users seeking this assistance accompanied the application. Although this assistance will generate plans and not jobs immediately, it is expected that the future effect of the collaboration will be the creation of approximately 18 jobs.
NEW MEXICO	FOUR PEAKS ENERGY, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	20,000	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of new LED lighting, venting and cooling system upgrade, VFD insulation upgrades, and environmental shade screen at the Camino Real Landfill Facility in Sundland Park, NM. This project will realize $17,638.00 per year in savings and will save 254,516kWh of electricity per year equal to (39.66%) of the facilities energy and provide enough energy to power 23 homes.
NEW MEXICO	HEALTHY FUTURES, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/09/19	0	6,942	0	This project will be the establishment and expansion of Native American rural business management and technical assistance efforts in Taos County. This grant will provide guidance and support related to increasing potential employment, expansion and financing for Native American business and emerging entrepreneurs, including the provision of business technical, marketing and management assistance for Taos County Native American artist and craftsman. The grant is in the amount of $39,114. With this grant the grantee will help to save and/or create 23 jobs in Taos County that is located in North Eastern New Mexico.
NEW MEXICO	LOVINGTON MAINSTREET CORPORATION	RBEG	RBCS ENTERPRISE GRANTS	06/25/19	0	75,900	0	Local Innovators Institute is to reduce the risk associated with starting a restaurant by providing the fundamentals in owning and managing a restaurant through hands on experience, as well as testing the consumer palate. The project will take place in Lovington NM, Lea County in the South Eastern portion of New Mexico. It has the ability to create 38 jobs and save 53 in the area.
NEW MEXICO	MACARTHUR, PAMELA N	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	2,811	0	
NEW MEXICO	MATHIEU, JOSEPH J	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	7,500	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of new interior and exterior LED lighting and energy efficient windows at the Denny's Restaurant in Deming, NM. This project will realize $9,987.00 per year in savings and will save 79,261kWh of electricity per year equal to (91.93%) of the facilities energy and provide enough energy to power 7 homes.
NEW MEXICO	MCGINN ENTERPRISES, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/04/19	0	40,890	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 54.52kW solar array for McGinn Pistachio Land Retail facility. This project will realize $12,576.00 per year in savings and will generate 89,828 kWh of electricity per year equal to (64.57%) of the facilities energy and provide enough energy to power eight homes.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
NEW MEXICO	MORA-SAN MIGUEL ELECTRIC COOPERATIVE,INC	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/16/19	0	11,780	0	This Rural Development investment will be used to assist Mora-San Miguel Electric Cooperative, Inc., in hiring a consultant to complete customer service training and assistance in creating a staff succession plan. This TA will be provided between 10/1/2019 and 9/30/2020 by a third party specialist. The coop is trying to strengthen its staff to be able to provide good customer service. The staff is aging, so a succession plan is crucial to the sustainability of the coop's continued work. The rural area to be served is extremely small. Mora County has 4881 persons; 29,393 for San Miguel County. Amount requested for the training is $11,780 (no match).
NEW MEXICO	PRAMUKH HOSPITALITY, INC.	BI	GUARANTEED B&I 3% FEE LOAN	02/13/19	2,315,545	0	0	Rural Development funds will be used to purchase a 50 unit Comfort Inn & Suites in Truth or Consequences NM. The borrower will receive a loan in the amount of 2,315,545 from USDA RD. The motel is located at 2205 North Date St in Truth or Consequences NM and is within a 10-minute drive of Truth or Consequences Veterans Memorial Park and Elephant Butte Lake State Park. Truth or Consequences is located in Central New Mexico. The loan will create 5 new jobs and retain 30 jobs.
NEW MEXICO	R.I. CORDOVA, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/04/19	0	72,900	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 97.2kW solar array for a Super 8 Hotel in Santa Rosa, NM. This project will realize $21,238.00 per year in savings and will generate 163,372kWh of electricity per year equal to (94.52%) of the facilities energy and provide enough energy to power 15 homes.
NEW MEXICO	RIO GRANDE COMMUNITY DEVELOPMENT CORP.	SSDPG	PERSISTENT POVERTY GRANTS TO ASSIST MINORITY PRODUCERS	09/27/19	0	174,852	0	This Rural Development investment will be used by a non-profit CDC to provide technical assistance to three coops (two were assisted in incorporating by this grantee): 1) an artists' coop, Zuni Pueblo (Native American) will receive TA on advanced marketing, outreach and membership strategies; 2) sheepherders' coop, Tolani Lake-Navajo Nation, will receive TA in policies/procedures, decision-making, tactical marketing strategies, and quality control; 3) beef producing coop will receive general coop education. Additionally, TA will explore the merger or, or extensive cooperation between, the sheep and beef coops in an effort to gain economies of scale, etc. The sheep and beef coops distribute within 400 miles of their ranch. All areas are extremely rural; the most populous area to be served in Zuni, which had a population of 6,302 in the 2010 census. CDC seeks 174,852 with no match.
NEW MEXICO	ROXIE PROPERTIES, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	18,711	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 22.68kW solar array for the El Rancho Motel. This project will realize $5,122.00 per year in savings and will generate 39,402kWh of electricity per year equal to (98.31%) of the facilities energy and provide enough energy to power 3 homes.
NEW MEXICO	ROXIE, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/10/19	0	59,400	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 79.20kW solar array for a Phillips 66 Gas Station located in Santa Rosa, NM. This project will realize $16,904.00 per year in savings and will generate 130,038kWh of electricity per year equal to (97.45%) of the facilities energy and provide enough energy to power 11 homes.
NEW MEXICO	SANDOVAL COUNTY	RBEG	RBCS ENTERPRISE GRANTS	07/03/19	0	51,308	0	This Rural Development investment, through the FY2019 Rural Business Development Grant ($51,308;$28,589 contribution from applicant), will be used to support technical assistance given by County staff and contractors to small and emerging businesses in four rural NM communities affected by urban influence/pressures: Jemez Springs, Jemez Pueblo (Native American), Tijeras, and Cedar Crest. The technical assistance is a year of business support to carry out iterative assistance to individual businesses, especially in tourism industry. Specialists will implement small business development curricula ground-tested by the Albuquerque Small Business Resources Collaborative. This TA is founded in a regional economic development plan that seeks to highlight the rural areas caught in the shadow of our large urban core (Albuquerque). Extremely skilled and experience staff in tourism and business will provide the TA.

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NEW MEXICO	SGI, LLC	BI	GUARANTEED B&I 3% FEE LOAN	05/01/19	2,545,492	0	0	The Rural Development loan guarantee invested in the refinance of debts, improvements, working capital, financing of fees, purchase of furniture, fixtures and equipment for the borrower's business. The business is the Taos Valley Lodge in Taos, NM (Taos County). The lodge is a 110 unit motel. It offers free breakfast, Wi-Fi, in-door pool and laundry services. The loan made by USDA Rural Development will save fifteen jobs.
NEW MEXICO	SIERRA COUNTY	RBEG	RBCS ENTERPRISE GRANTS	07/03/19	0	150,000	0	USDA RD grant funds will be used for a feasibility study in Sierra County for the need of Broadband in this rural area. Sierra County is in Central New Mexico with a population of 11,938 and no metro areas within a hour and half drive.
NEW MEXICO	TAOS VETERINARY CLINIC, PC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/15/19	0	11,021	0	This Rural Development financial investment will be used for the purchase and installation of a 16.2kW solar array. Taos Veterinary Clinic provides animal healthcare in the Taos, NM area. When installed the new solar power system will save $3,796 per year in electricity. Which is 30,472kWh of electricity or a 103% of the electricity used by the veterinary clinic for its business. That amount of electricity is enough to power 2 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations.
NEW MEXICO	WALLACE HOLDINGS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/27/19	0	71,250	0	This Rural Development investment will be used for the purchase and installation of three separate solar arrays totaling 86.14 kW. Wallace Holdings, a family owned property investment business, will realize $42,336 per year in savings, and will replace 86,400kWh (998 %) per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW MEXICO	XENIA, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/16/19	10,000,000	0	0	Rural Development will invest funds for the construction and permanent financing of a four story, 78 unit Hampton Inn and 70 unit Home 2 Suites in Clovis, NM. The hotels will be located in a heavily traveled business district of the city. The hotels will offer shared amenities such as front desk area, breakfast area, indoor pool, fitness and meeting rooms and laundry services.
NEW YORK	A.N. MARTIN SYSTEMS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/22/19	0	40,130	0	This Rural Development investment will be used for the purchase and installation of a 137 kW solar system. The system is estimated to produce 170,826 kWh per year, which is enough electricity to power 17 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	BERLE FARMS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/24/19	0	6,013	0	This Rural Development investment will be used for the purchase and installation of a 11.5 kW solar system with battery backup. Berle Farm is a vegetable and fruit farm in Hoosick, NY. The system is estimated to produce 13,033 kWh per year, which is enough electricity to power 2 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	BRIGHTLY FARMS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/27/19	0	111,250	0	This Rural Development investment will be used to
NEW YORK	CALLICOON BUSINESS ASSOCAITION	RBEG	RBCS ENTERPRISE GRANTS	07/31/19	0	100,000	0	This Rural Development investment will provide equipment funding at a new visitor center for the Upper Delaware Scenic Byway in Callicoon NY. The vacant Callicoon Train Depot will be renovated into a new facility, which will include an area for National Park Service presence, a gallery and gift shop, an outdoorsmen resource center, displays from local artists and local history displays. The community center component will leverage partnerships with entities such as Cornell Cooperative Extension and the Delaware Valley Job Corps.
NEW YORK	CAREY INSTITUTE FOR GLOBAL GOOD	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	62,080	0	This Rural Development investment will be used to provide technical assistance in the form of business counseling and training to small rural NY breweries.
NEW YORK	CATLIN SOLAR 1 LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/27/19	4,237,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 6.1 MW solar system. CATLIN SOLAR 1 LLC is a newly created entity for the purposes of generating electricity in BEAVER DAMS, NY. The system is estimated to produce 7,317,273 kWh per year, which is enough electricity to power 732 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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NEW YORK	CENTER FOR AG DEV & ENTREPRENEURSHIP INC	RBEG	RBCS ENTERPRISE GRANTS	07/19/19	0	98,359	0	This Rural Development investment will be used to fund distance learning programs providing technical assistance and training for small and emerging businesses. The Center for Agricultural Development and Entrepreneurship Inc has operated a Farm and Food Business incubator throughout the Mohawk Valley and Southern Tier of NY since 2015. CADE's expanding educational outreach will enhance NY state farmer profit-making and viability in the United States and world markets. CADE's goal is to assist 10% of NY's 35,000 farmers by 2021. Additional funding includes a $3,541 applicant contribution, a $32,200 grant from New York State, and a $3,420 in-kind contribution from Value Chain Facilitation. As a result of this investment, 7 jobs will be created.
NEW YORK	CHITTENANGO PHYSICAL THERAPY, P.C.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/27/19	0	7,425	0	This Rural Development investment will be used for the purchase and installation of a 9.9 kW solar system. The system is estimated to produce 9,900 kWh per year, which is enough electricity to power 1 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	CICHETTI BARN LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/01/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 32.40 kW solar system. Cichetti Barn LLC is a newly created entity for the purposes of operating a greenhouse in Pine Plains, NY. The system is estimated to produce 37,086 kWh per year, which is enough electricity to power 4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	CLEARWATER ORGANIC FARMS NEW YORK LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/28/18	12,200,000	0	0	This Rural Development loan guarantee investment will be used to finance equipment purchases at a 650,000 sq ft hydroponic greenhouse being built in the town of Greece, NY. Produce in the greenhouse will be available year round, serving customers within a 400 mile radius, and consist of fresh, local, organic, traceable baby leaf greens. Rural Development guarantee loan funds will be matched by a $1,500,000 grant from Empire State Development and borrower contributions of $8,235,796. As a result of this investment, 20 jobs will be created at the new facility.
NEW YORK	CLEARWATER ORGANIC FARMS NEW YORK LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/28/18	1,400,000	0	0	This Rural Development loan guarantee investment will be used to finance equipment purchases at a 650,000 sq ft hydroponic greenhouse being built in the town of Greece, NY. Produce in the greenhouse will be available year round, serving customers within a 400 mile radius, and consist of fresh, local, organic, traceable baby leaf greens. Rural Development guarantee loan funds will be matched by a $1,500,000 grant from Empire State Development and borrower contributions of $8,235,796. As a result of this investment, 20 jobs will be created at the new facility.
NEW YORK	CLIFTON LAND COMPANY LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/22/19	0	85,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Clifton Land Company owns and operates car washes. Project funds will be used to purchase and install a 202 kW solar array. this project will realize $34,685 per year in savings, and will replace 231,232 kWh (81%) per year, which is enough electricity to power 21 homes.
NEW YORK	CNY SNOW TRAVELERS, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	38,900	0	This Rural Development investment will be used to purchase two utility trail vehicles and a trail paver in order to maintain and groom 121 miles of snowmobile trails in Oneida county. Purchase of this equipment will ensure quality trails and a safe riding environment for winter tourists. Funding includes a matching $38,900 applicant contribution. As a result of this investment, 1 job will be created and 1 job will be retained.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
NEW YORK	COLD POINT CORPORATION	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	08/13/19	3,453,000	0	0	This Rural Development loan guarantee investment will be used to build a new 50,000 sq. ft. manufacturing facility for Cold Point Corporation in Rome, NY. Cold Point was acquired by the Whalen Company of Maryland in 2017 and is moving current operations to NY, thereby increasing capacity, warehouse raw material, and finished goods. This expansion will allow for the development of new products and is expected to create 20 jobs in addition to saving the existing 37 jobs. Additional funding will include an $898,352 applicant contribution, a $2,231,010 loan from New York Job Development Authority, a $300,00 PILOT loan from MV Edge/RIDC, a $900,000 grant from Empire State Development Downtown Revitalization Initiative, a $330,000 loan from Mohawk Valley Economic Development District, and a $360,657 City of Rome Bonding Road Project.
NEW YORK	CORNELL COOPERATIVE EXT OF JEFFERSON COU	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	99,094	0	This Rural Development investment will be used by the Cornell Cooperative Extension of Jefferson County NY to hire a high level educator who can coordinate much needed resources to local agricultural producers of protein, maple, and value added dairy products in Jefferson, Lewis and St. Lawrence counties. Technical assistance workshops and on-farm visits will assist the producers interested in expanding the transition to wholesale market-ready. Funding includes a $101,633 applicant contribution. As a result of this investment, 9 jobs will be created by the local producers.
NEW YORK	CORNELL COOPERATIVE EXTENSION OF SLC	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	94,466	0	This Rural Development investment will be used to provide technical assistance for light food processing and the development of value-added products in Cornell Cooperative Extension of SLC's Harvest Kitchen in the town of Canton NY. This teaching kitchen incubator accommodates multiple small and emerging businesses, and is dedicated to growing early stage wholesale, retail and catering food products for these businesses. Funding includes a $98,817 applicant contribution. As a result of this investment, 28 jobs will be created and 23 jobs will be saved.
NEW YORK	CORNELL COOPERATIVE EXTENSION ONEIDA CTY	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	63,370	0	This Rural Development investment will be used to implement an Ambassadors in Agriculture education program in Oneida and Herkimer counties. Local industry professionals will work with youth to provide real world experience, ignite a new interest in and encourage agricultural related careers. The goal is to achieve a 15 percent increase in the number of agricultural workers and farm operators between the ages of 18 and 35 by 2020. 1 job will be created in the form of a project coordinator. Additional funding will be provided by a $39,750 applicant contribution.
NEW YORK	COUNTY OF OSWEGO IDA	IRP	INTERMEDIARY RELENDING PROGRAM	03/01/19	0	0	500,000	This Rural Development investment will be used to As a result of this investment, 14 jobs will be created, and 14 jobs will be saved.
NEW YORK	DELTA HARDWOOD FLOORING, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	16,870	0	This Rural Development investment will be used to make renewable energy improvements with the purchase and installation of a biomass boiler. The feedstock for the boiler will be hardwood scraps from the business. This project will realize $88,743 per year in savings, and will replace 2,238,318 kWh (100%) per year, which is enough electricity to power 223 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	DIX, TOWN OF	ARC	ARC (APPALACHIAN REGIONAL COMMISSION GRANTS) BP	09/26/19	0	131,400	0	This Rural Development investment will be used to install a spray aeration and mixing system within an existing 120,000 gallon water storage tank located within the Schuyler County Business Park. This project will allow the town of Dix to address a New York State Department of Health order requiring treatment of the town's water supply to remove potentially carcinogenic disinfectant byproducts and meet state water quality requirements. These improvements will provide higher quality water to 75 households and enable economic development within the business park in the form of private investment and new businesses creating jobs. Funding includes a $25,000 borrower contribution and a $234,600 New York State WIIA grant.

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NEW YORK	ECHO FARM	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	6,433	0	This Rural Development investment will be used to install a renewable energy system with the purchase and installation of an animal waste to renewable diesel machine. Echo Farm is a family owned farm that raises chickens, ducks, pigs, and turkeys in Essex, NY. This project will realize $1,183 per year in savings and will replace 450 gallons of diesel (100%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	EMKE, DENNIS K	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/08/19	0	7,472	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Dennis Emke is a family dairy farm. Project funds will be used for the purchase and installation of a 10 kW solar array. This project will realize $1,561 per year in savings, and will replace 12,243 kWh (95%) per year.
NEW YORK	FINDLEY LAKE HOSPITALITY LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/13/19	2,265,942	0	0	This Rural Development loan guarantee investment will be used to purchase an existing 85 room Holiday Inn Express in Findley Lake, NY and convert it to a Comfort Inn & Suites, which is an approved SBA franchise. This acquisition will prevent the business from closing and retain 17 jobs.
NEW YORK	FOREST LAKE SUMMER CAMP, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/17/19	0	27,571	0	This Rural Development investment will be used for the purchase and installation of a 20 kW solar system. The system is estimated to produce 42,443 kWh per year, which is enough electricity to power 4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	GOPAL FARM LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/23/19	0	6,973	0	This Rural Development investment will be used to make renewable energy improvements with the purchase and installation of a biomass boiler. GoPal Farm is a 200-acre vegetable and dairy farm in New Paltz, NY. The feedstock for the boiler will be hardwood scraps from a local tree removal service. This project will realize $11,235 per year in savings, and will replace 708,997 kWh (100%) per year, which is enough electricity to power 70 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	GORCZYCA, JERRY	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	02/27/19	0	4,590	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of an energy efficient Reverse Osmosis machine. Mountainview Maple is a family owned maple operation in Glenfield, NY. This project will realize $2,839 per year in savings and will replace 106,466 kWh (81%) per year, which is enough energy to power 11 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	HOPE SOLAR FARM, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/27/19	3,400,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 2.9 MW solar system. HOPE SOLAR FARM, LLC is a newly created entity for the purposes of generating electricity in BRUNSWICK, NY. The system is estimated to produce 3,463,000 kWh per year, which is enough electricity to power 363 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	IANNUZZI, NICHOLAS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/17/19	0	6,637	0	This Rural Development investment will be used for the purchase and installation of a 14.3 kW solar system. Iannuzzi Farm is a family owned 80 herd sheep farm in Watertown, NY. The system is estimated to produce 15,557 kWh per year, which is enough electricity to power 2 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	JOHN F TUCKER & SONS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/17/19	0	26,036	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. John F. Tucker & Sons, LLC is a family owned dairy farm. Project funds will be used for the purchase and installation of 56 kW solar array. This project will realize $5,457 per year in savings, and will replace 45,100 kWh (100%) per year.

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NEW YORK	JOHNSTOWN 2 SOLAR, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/16/19	1,978,145	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 2.77 MW solar system. Johnstown 2 Solar, LLC is a newly created entity for the purposes of generating electricity in Johnstown, NY. The system is estimated to produce 3,324,670 kWh per year, which is enough electricity to power 332 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	KAREN A PIERCE	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	02/27/19	0	17,099	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of an Energy Efficient Leader Evaporator and Reverse Osmosis machine. Pierce s Sugar Spigot is a family owned maple operation in Croghan, NY. This project will realize $6,220 per year in savings and will replace 235,872 kWh (93%) per year, which is enough energy to power 24 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	KARL FAMILY FARMS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	02/27/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 62.28 kW solar system. The system is estimated to produce 79,475 kWh per year, which is enough electricity to power 8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	KEMMETER WINES, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/20/19	0	19,930	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a geothermal heating and cooling system. This project will realize $1,245 per year in heat savings.
NEW YORK	KLUDT BROTHERS, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/22/19	0	110,190	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Kludt Brothers is a family owned farm that grows crops in Kendall, NY. This project will realize $44,926 per year in savings, and will replace 896,511 kWh (52%) per year, which is enough energy to power 89 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	LE MILLENIA SUPERMART RBR, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/26/19	6,400,000	0	0	This Rural Development investment will be used to renovate the Roaring Brook Ranch Resort and Conference Center in Lake George, NY. As a result of this investment, 31 jobs will be retained in the tourism industry in Warren county.
NEW YORK	LEONARD BUS SALES INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/09/19	0	58,750	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Leonard Bus Sales Inc. is a commercial bus business. Project funds will be used for the purchase and installation of a 156 kW solar array. This project will realize $15,987 per year in savings, and will replace 158,288 kWh (99%) per year, which is enough electricity to power 14 homes.
NEW YORK	LIVINGSTON 4 SOLAR, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/16/19	1,954,240	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 2.78 MW solar system. Livingston 4 Solar, LLC is a newly created entity for the purposes of generating electricity in Caledonia, NY. The system is estimated to produce 3,295,350 kWh per year, which is enough electricity to power 330 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	MARTIN, REUBEN	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/24/19	0	20,000	0	0
NEW YORK	MOHAWK VALLEY EDGE	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	28,400	0	Implement a strategy plan for the former Ethan Allen Plant and adjacent land to continue the transformation to the Boonville Industrial District. The strategy will look to making a modern, infrastructure-rich manufacturing district to attract new business, help existing business to expand, encourage entrepreneurism and create high quality jobs in Oneida County NY

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NEW YORK	MURROCK FARMS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/22/19	0	50,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Murrock Farms LLC is a family owned dairy farm. Project funds will be used for the purchase and installation of a 104 kW solar array. This project will realize $15,233 per year in savings, and will replace 107,274 kWh (42%) per year, which is enough electricity to power 9 homes.
NEW YORK	MY DIGITAL DISCOUNT.COM	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/03/19	0	12,848	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. My Digital.Com is a retailer of computing equipment. Project funds will be used for the purchase and installation of a 21 kW solar array. This project will realize $3,307 per year in savings and will replace 24,318 kWh(61%) per year.
NEW YORK	NOHLE, HAROLD W.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/17/19	0	34,158	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Nohle Farm is a family owned farm that grows crops in Mannsville, NY. This project will realize $17,259 per year in savings, and will replace 302,514 kWh (50%) per year, which is enough energy to power 30 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	NORTH COUNTRY CHAMBER OF COMMERCE	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	28,000	0	This Rural Development investment will be used to provide technical assistance in the form of leadership and supervisory training to local small businesses over a multi-county area by the North Country Chamber of Commerce in Plattsburgh, NY. This training will be provided to small businesses in the counties of Clinton, Essex, Franklin and St Lawrence, NY. Funding includes a $10,000 contribution from the Workforce Development Institute.
NEW YORK	NORTH STAR ORCHARDS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/16/19	0	62,528	0	This Rural Development investment will be used for the purchase and installation of a 95.1 kW solar system. The system is estimated to produce 120,900 kWh per year, which is enough electricity to power 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	NY BALDWIN II LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	12/11/18	2,785,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 2.72 MW solar system. NY Baldwin II, LLC is a newly created entity for the purposes of generating electricity in Lowman, NY. The system is estimated to produce 3,419,056 kWh per year, which is enough electricity to power 342 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	NY THOMPSON II, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	04/09/19	2,050,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 2.434 MW solar system. NY Thompson II, LLC is a newly created entity for the purposes of generating electricity in Thompson, NY. The system is estimated to produce 3,270,000 kWh per year, which is enough electricity to power 327 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	OTSQUAGO LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	8,000	0	This Rural Development investment will be used for the purchase and installation of a 13.2 kW solar system. The system is estimated to produce 14,877 kWh per year, which is enough electricity to power 2 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	PANEK FARMS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/24/19	0	185,470	0	
NEW YORK	PEAK PERFORMANCE RDI, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/06/19	0	4,582	0	This Rural Development investment will be used for the purchase and installation of a 8.96 kW solar system. The system is estimated to produce 13,808 kWh per year, which is enough electricity to power 1 home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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NEW YORK	PERRY VILLAGE OF	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	89,900	0	This Rural Development investment will provide funds to implement a digital transformation project at Letchworth Gateway Villages, servicing the village and town of Perry in Wyoming county, and the villages and towns of Mount Morris and Geneseo in Livingston county. The digital coaching model will aid new and existing partner municipalities through an ongoing collaboration with Adopt-A-Business and a new partnership with Digital Main Street, an innovative online learning hub for existing small businesses and start-ups aspiring to go digital. This investment will result in 7 jobs created and 8 jobs saved. Additional funding includes a $5,000 applicant contribution, $19,000 combined from the villages and towns of Perry, Mount Morris and Geneseo, and $6,000 from local business developer The O'Connell Organization.
NEW YORK	PHILMONT BEAUTIFICATION, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	25,000	0	Rural Development funds will be used to develop a Downtown Revitalization Plan and Implementation Strategy increasing the number of small and emerging businesses in owner-occupied mixed-use storefronts in the Village of Philmont.
NEW YORK	PROSPECT HILL FARMSTEAD LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 30.40 kW solar system. The system is estimated to produce 37,119 kWh per year, which is enough electricity to power 4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	R & G PRODUCE LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/22/19	0	4,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a new Aggreko 300 kW generator. R & G Produce is a family owned producer of high-quality fresh vegetables located in Goshen, NY. This project will realize $1,500 per year in savings and will replace 522 gallons of diesel (35%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	REBER ROCK FARM LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/23/19	0	31,194	0	This Rural Development investment will be used for the purchase and installation of a 37.2 kW solar system. The system is estimated to produce 48,720 kWh per year, which is enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	RILEY ROAD WINDSOR, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	06/06/19	6,900,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 5.5 MW solar system. Riley Road Windsor, LLC is a newly created entity for the purposes of generating electricity in New Windsor, NY. The system is estimated to produce 7,077,400 kWh per year, which is enough electricity to power 707 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	RIVERSIDE MAPLE FARMS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/01/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 49.7 kW solar system. Riverside Maple Farms is a family owned maple operation in Glenville, NY. The system is estimated to produce 57,773 kWh per year, which is enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	ROKEBY FARM LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 52.5 kW solar system. The system is estimated to produce 55,527 kWh per year, which is enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	SCHWAB DAIRY FARMS	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/13/19	0	125,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a manure drag line and application equipment which will greatly reduce the farms need to use over the road manure handling equipment. Schwab Dairy Farm is a family owned dairy farm in Freedom, NY. This project will realize $80,398 per year in savings, and will replace 1,364,185 kWh (89.6%) per year, which is enough energy to power 136 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

RBCS FY2019 Obligations

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NEW YORK	SEYMOUR, DARRELL	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/01/19	0	4,808	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of an energy efficient Reverse Osmosis machine. Seymour Maple is a family owned maple operation in Harrisville, NY. This project will realize $1,662 per year in savings and will replace 21,608 kWh (52%) per year, which is enough energy to power 2 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	SMART WASH OF S.G.F. LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	03/19/19	2,844,500	0	0	This Rural Development loan guarantee investment will be used to finance the purchase of a car wash in Queensbury, NY and refinance existing borrower debt. The debt refinancing will improve cash flow, allow the business to make capital improvements, and save 7 jobs.
NEW YORK	SOUTHERN TIER COMMUNITY HEALTH CENTER	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	06/07/19	1,500,000	0	0	This Rural Development loan guarantee investment will be used to refinance KeyBank, NA interim debt that financed leasehold improvements to the borrower's medical office building in Olean, NY. Southern Tier Community Health Center Network, Inc operates four outpatient, community based clinics in Allegany and Cattaraugus counties. The improvements will assist the borrower in providing much needed medical care in an underserved area in the southern tier of New York in addition to supporting 92 jobs. Additional funding is provided by The US Department of Health and Human Services, in the form of a $1 million Health Resources & Services Administration grant.
NEW YORK	SOUTHVILLE PROPERTIES INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/24/19	0	7,204	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of an energy efficient Reverse Osmosis machine. Southville Maple is a family owned maple operation in Potsdam, NY. This project will realize $4,022 per year in savings and will replace 54,415 kWh (64%) per year, which is enough energy to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	SSPVMF, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/20/19	0	16,127	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of an energy efficient Reverse Osmosis machine. Peaceful Valley Maple Farms is a family owned maple operation in Johnstown, NY. This project will realize $5,374 per year in savings and will replace 142,318 kWh (49%) per year, which is enough energy to power 15 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	ST. LAWRENCE COUNTY CHAMBER OF COMMERCE	RBOG	RBCS DEVELOPMENT GRANT	07/25/19	0	13,000	0	This Rural Development investment will be used to fund a feasibility study to explore a multi-county chamber of commerce. The St. Lawrence County Chamber of Commerce in Canton NY is considering combining with current staffed chambers located in Massena, Potsdam, Canton, and Ogdensburg NY and unstaffed chambers in Black Lake, Gouverneur and Waddington NY. A new organization would lower costs and improve resource delivery to new and emerging businesses, while maintaining the unique identities of the individual communities. Funding includes a $5,000 applicant contribution.
NEW YORK	TICONDEROGA REVITALIZATION ALLIANCE, INC	RBEG	RBCS ENTERPRISE GRANTS	07/31/19	0	99,420	0	This Rural Development investment will be used to fund vocational training in the Boards of Cooperative Educational Services (BOCES) of NY CV-TEC program for 15 high school 2019/2020 academic year seniors. Career recruitment materials will be provided in conjunction with afternoon classes at the BOCES in Mineville NY, along with a summer intern program to connect the students with local employers in the trades. Funding includes a $10,890 applicant contribution, $303,974 from Ticonderoga School District, and $10,745 from Ticonderoga Revitalization Alliance. As a result of this investment, 15 jobs will be created.
NEW YORK	TIOGA CO. REAP LDC	RBOG	RBCS BUSINESS OPPORTUNITY REAP ZONE GRANTS	07/31/19	0	17,763	0	Economic Development planning to improve ability to train, attract, & retain a quality workforce
NEW YORK	TIOGA CO. REAP LDC	RBOG	RBCS DEVELOPMENT GRANT	07/31/19	0	20,800	0	Economic Development planning to improve ability to train, attract, & retain a quality workforce
NEW YORK	TIOGA CO. REAP LDC	RBOG	RBCS DEVELOPMENT GRANT	07/31/19	0	58,200	0	Feasibility study - Evaluation of existing code enforcement operations & options in Tioga co for the future

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NEW YORK	TOMPKINS COUNTY AREA DEVELOPMENT	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	86,521	0	Rural Development Funds will be used to provide technical assistance to improve the economic condition of the region by helping food processing entrepreneurs to grow their businesses, supporting entrepreneurship and workforce development and improving the quality of life in the region for the following counties: Cayuga, Chemung, Cortland, Schuyler, Seneca, Steuben, Tioga, Tompkins and Yates counties
NEW YORK	TRIPLETT MACHINE INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/07/19	0	52,500	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Triplett Machine Inc. is a customized machine parts manufacturer. Project funds will be used for the purchase and installation of 224 kW solar array. This project will realize $21,701 per year in savings, and will replace 228,434 kWh (23%) per year, which is enough electricity to power 21 homes.
NEW YORK	UNCLE B'S EXPRESS LAUNDROMAT INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/17/19	0	15,484	0	This Rural Development investment will be used for the purchase and installation of a 28.35 kW solar system. The system is estimated to produce 40,086 kWh per year, which is enough electricity to power 4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NEW YORK	UNCLE B'S HOLDINGS LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/24/19	0	34,261	0	0
NEW YORK	WHITMAN BREWING COMPANY, LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	07/19/19	1,000,000	0	0	This Rural Development loan guarantee investment will be used to build a new brewery and café at the former Saratogian building, and to purchase and install equipment for the new Whitman Brewery in Saratoga Springs, NY. Additional funding includes a $4,227,514 applicant contribution and a $273,000 Saratoga National Bank line of credit. This new enterprise is expected to create 33 jobs in downtown Saratoga Springs.
NORTH CARC	232 LONG BRANCH 29 SOLAR I, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	04/02/19	1,270,000	0	0	This Rural Development loan guarantee investment will be used for the acquisition of a 2.25 MW solar system. 232 Long Branch 29 Solar I, LLC is a newly created entity which will be acquiring the electrical generating facility in Shelby, NC. The system is estimated to produce 2,675,922 kWh per year, which is enough electricity to power 249 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	ADVANCED DIGITAL CABLE, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/31/19	0	120,340	0	This Rural Development investment will be used for the purchase and installation of a 315 kW solar array. Advanced Digital Cable, Inc., a manufacturer electronic and utility cables, will realize $49,800 per year in savings, and will replace 448,651 kWh (26 %) per year. This project will save enough electricity to power 42 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	ALCOVE LAKE, LLC	BI	GUARANTEED B&I 3% FEE LOAN	04/16/19	10,000,000	0	0	This Rural Development loan investment will be used to construct a six story, 128-room Aloft Hotel by Marriott in Mooresville, NC. The hotel will be located off Exit 31 along Interstate 77 approximately 30 miles from the Charlotte Douglas International Airport. Aloft is a new hotel brand by Marriott/Starwood and is marketed as a lifestyle hotel with a more modern feel and social atmosphere, it offers clean, contemporary architecture with open spaces alive with activity. Amenities will include a breakfast area, sundry shop, fitness center, business center, and approximately 500 square feet of dedicated meeting. Mooresville is the home of numerous NASCAR Teams and over 60 racing related businesses. The hotel will create 45 jobs for the area.
NORTH CARC	ALPHA VALUE SOLAR, LLC.	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/27/19	5,000,000	0	0	This Rural Development investment will be used for the purchase machinery and equipment for a solar array. The 7.0 mW(DC) system will sell power to Virginia Electric & Power, under a 14 year fixed PPA with an effective rate of $0.06240/kWh.
NORTH CARC	ALPHA VALUE SOLAR, LLC.	BI	GUARANTEED B&I 3% FEE LOAN	09/27/19	1,360,000	0	0	This Rural Development investment will be used for the purchase machinery and equipment for a solar array. The 7.0 mW(DC) system will sell power to Virginia Electric & Power, under a 14 year fixed PPA with an effective rate of $0.06240/kWh.

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NORTH CARC	ANDREWS TRUSS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/31/19	0	26,573	0	This Rural Development investment will be used for the purchase and installation of a 47.88 kW solar array at the facility of Andrews Truss, Inc. This project will generate 65,375 kWh per year and realize $7,845 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	ASHEVILLE BUNCOMBE COMMUNITY CHRISTIAN M	RBOG	RBCS DEVELOPMENT GRANT	06/27/19	0	37,500	0	Project will provide funding for a feasibility study to determine whether or not a commercial kitchen for use by small businesses and farmers is viable and sustainable.
NORTH CARC	BAY BRANCH SOLAR, LLC.	BI	GUARANTEED B&I 3% FEE LOAN	06/11/19	585,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 7.525 MW solar system. Bay Branch Solar, LLC is a newly created entity for the purposes of generating electricity in Chocowinity, NC. The system is estimated to produce 12,040,000 kWh per year, which is enough electricity to power 1,118 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	BAY BRANCH SOLAR, LLC.	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	05/29/19	5,000,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 7.525 MW solar system. Bay Branch Solar, LLC is a newly created entity for the purposes of generating electricity in Chocowinity, NC. The system is estimated to produce 12,040,000 kWh per year, which is enough electricity to power 1,118 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	BEST SAND & GRAVEL, INC.	BI	GUARANTEED B&I 3% FEE LOAN	02/13/19	3,960,000	0	0	This Rural Development loan guarantee investment will be used to provide refinancing, and purchase of equipment, provide working capital and cover all soft costs associated with the loan. The company, Best Sand and Gravel (BS&G), started as a small sand and gravel operation that delivered materials to local farmers, contractors, and residential developers in the Wayne County, NC area. The business was incorporated in 1973, and at that time, it evolved into a clearing, grading and site development business servicing North Carolina and parts of Virginia and South Carolina. Best Sand and Gravel (BS&G) currently operates two core segments, Sand and Gravel and Grading. With this funding, 65 jobs will be retained.
NORTH CARC	BLUE RIDGE ELECTRICMEMBERSHIP CORP.	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	05/14/19	0	230,000	0	This Rural Development investment fund will be used to provide grant to Blue Ridge EMC, a rural utilities program borrower to provide economic development. The initial project will provide funding to the ultimate recipient, the New River Fire and Rescue (NRFR), to establish a revolving loan fund to help purchase a new fire truck pumper, replacing an aged 1997 tanker. The New River Fire & Rescue has 30 trained firefighters including 3 paramedics, 1 AEMT, and 6 EMTs. The new truck will help the fire department to better respond to its increasing call volume and servicing the community.
NORTH CARC	BLUE RIDGE ELECTRICMEMBERSHIP CORP.	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	06/05/19	0	300,000	0	This Rural Development investment fund will be used to provide grant to Blue Ridge EMC, a rural utilities program borrower to provide economic development. The initial project will provide funding to the ultimate recipient, the Collettsville Volunteer Fire & Rescue (CVFR), to establish a revolving loan fund to help purchase a new fire truck pumper. The Collettsville fire department has 40 trained firefighters and the department expects the new truck will help the fire department to better respond to its increasing call volume and servicing the community.
NORTH CARC	BLUE RIDGE ELECTRICMEMBERSHIP CORP.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	08/01/19	0	62,186	0	This Rural Development investment will be used for the purchase and installation of a 134 kW community solar array. Blue Ridge EMC will own and operate the solar system and its members will be able to receive solar-generated electricity. The system is estimated to produce 174,274 kwh per year, which is enough energy to power 16 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
NORTH CARC	BLUE STREAM ENERGY CORPORATION	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 33 kW solar system. Blue Stream Energy Corporation is a newly created entity for the purposes of generating electricity in Middlesex, NC. The system is estimated to generate 46,472 kWh and $3,021 per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	BOSTON FARM, LLC.	BI	GUARANTEED B&I 3% FEE LOAN	10/29/18	175,000	0	0	This Rural Development loan guarantee investment will be used to construct a 7.0 MW (DC) ground mounted fixed tilt solar array located in Person County, NC. This will be a fenced in solar array that will sell all generated power on contract to Duke Energy Progress on a 15 year Power Purchase Agreement (PPA). It is anticipated that the system will generate 10,372,924 kWh per year, which equates to the power used in 959 average sized households. With this funding, 3 jobs will be created.
NORTH CARC	BRISCO APPAREL CO., INC.	REAP	REAP-MAND RENEW ENERGY SYS LN/GT COMBO GUAR	07/31/19	0	162,125	0	This Rural Development investment will be used for the purchase and installation of a 410 kW solar array. Brisco Apparel Co., Inc, a custom embroidery manufacturer, will realize $53,680 per year in savings, and will replace 734,250 kWh (75%) per year. This project will save enough electricity to power 68 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	BRISCO APPAREL CO., INC.	REAP	REAP-MAND RENEW ENERGY SYS LN/GT COMBO GUAR	08/15/19	324,250	0	0	This Rural Development investment will be used for the purchase and installation of a 410 kW solar array. Brisco Apparel Co., Inc, a custom embroidery manufacturer, will realize $53,680 per year in savings, and will replace 734,250 kWh (75%) per year. This project will save enough electricity to power 68 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	BYRD FARMS, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	15,817	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a center pivot irrigation system. Scott Byrd is the owner of Byrd Farms, Inc., a hog farm in Autryville, NC. This project will realize $4,390 per year in savings and will replace 78,249 kWh (78%) per year, which is enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	CAPE HATTERAS OYSTER INC	BI	GUARANTEED B&I 3% FEE LOAN	09/09/19	235,000	0	0	
NORTH CARC	CAROLINA COMMON ENTERPRISE	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/19/19	0	200,000	0	
NORTH CARC	CAROLINA GROUND SERVICE EQUIPMENT, INC.	BI	GUARANTEED B&I 3% FEE LOAN	03/27/19	500,000	0	0	This Rural Development loan guarantee investment will be used to provide working capital and to purchase equipment. The company, Carolina Ground Service Equipment, Inc. (CGSE) is in New Bern, NC and was incorporated in 2003, and servers 21000 customers. The company provides complete aviation ground support equipment solutions throughout the world to corporate flight departments, airlines, military, and general aviation. CGSE buys and sells ground support equipment, tooling, aircraft parts and overall ground servicing equipment. With this funding, ten jobs will be created, and eight jobs saved.
NORTH CARC	CAROLINA GROUND SERVICE EQUIPMENT, INC.	BI	GUARANTEED B&I 3% FEE LOAN	03/27/19	500,000	0	0	This Rural Development loan guarantee investment will be used to provide working capital and to purchase equipment. The company, Carolina Ground Service Equipment, Inc. (CGSE) is in New Bern, NC and was incorporated in 2003, and servers 21000 customers. The company provides complete aviation ground support equipment solutions throughout the world to corporate flight departments, airlines, military, and general aviation. CGSE buys and sells ground support equipment, tooling, aircraft parts and overall ground servicing equipment. With this funding, ten jobs will be created, and eight jobs saved.
NORTH CARC	CAROLINA GROUND SERVICE EQUIPMENT, INC.	BI	GUARANTEED B&I 3% FEE LOAN	03/27/19	500,000	0	0	This Rural Development loan guarantee investment will be used to provide working capital and to purchase equipment. The company, Carolina Ground Service Equipment, Inc. (CGSE) is in New Bern, NC and was incorporated in 2003, and servers 21000 customers. The company provides complete aviation ground support equipment solutions throughout the world to corporate flight departments, airlines, military, and general aviation. CGSE buys and sells ground support equipment, tooling, aircraft parts and overall ground servicing equipment. With this funding, ten jobs will be created, and eight jobs saved.

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NORTH CARC	CAROLINA GROUND SERVICE EQUIPMENT, INC.	BI	GUARANTEED B&I 3% FEE LOAN	03/27/19	500,000	0	0	This Rural Development loan guarantee investment will be used to provide working capital and to purchase equipment. The company, Carolina Ground Service Equipment, Inc. (CGSE) is in New Bern, NC and was incorporated in 2003, and servers 21000 customers. The company provides complete aviation ground support equipment solutions throughout the world to corporate flight departments, airlines, military, and general aviation. CGSE buys and sells ground support equipment, tooling, aircraft parts and overall ground servicing equipment. With this funding, ten jobs will be created, and eight jobs saved.
NORTH CARC	CAROLINA SMALL BUSINESS DEVELOPMENT FU	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	48,381	0	Rural Development funds will be used to establish a revolving loan fund to provide financial assistance for microentreprises in the eligible rural areas of the state.
NORTH CARC	CENTRE FOR HOMEOWNERSHIP & ECONOMIC DEVE	RBEG	RBCS ENTERPRISE GRANTS	07/10/19	0	250,000	0	This Rural Development investment will provide small business technical training and workforce preparedness to rural counties throughout North Carolina. The Centre for Home Ownership and Economic Development Corporation, Inc. (CHOEDC) will also provide comprehensive technical training and job placement opportunities through partnerships with community colleges, certified business trainers and other professional experts in the field of accounting, business law, taxes, social media, computer development, marketing, networking, and data integrity. The technical assistance training to small businesses will enhance and provide job growth in the community.
NORTH CARC	COMMUNITY EMPOWERMENT GROUP INC	RBEG	RBCS ENTERPRISE GRANTS	07/10/19	0	200,000	0	The Rural Business Development Grant will be used to provide technical assistance for long term planning, product development, technology based economic development and business planning to select farmers/ landowners for the purpose of farm conversion to renewable energy solar farms. By producing a value added sustainable project to the current farming operations famers will now have tools to produce a better product for profit.
NORTH CARC	COOK, CHARLES P.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/22/19	0	17,829	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation two electric motors. Charles P. Cook (DBA Cook Farm) is a family owned farming operation that will replace the use of diesel fuel with electric motors, as a part of his hale baling operation in Siler City, NC. This project will realize $4,701 per year in savings and will replace 115,033 kWh (70%) per year, which is enough energy to power 11 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	COPPERFIELD SOLAR LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/14/18	1,625,000	0	0	This Rural Development loan guarantee investment will be used to provide permanent financing for commercial solar array located in Montgomery County, NC. This is a 2.8 MW(dc)ground mounted fixed tilt solar array and will sell its power to the North Carolina EMC under a 10-year PPA. Three jobs will be created.
NORTH CARC	CUBERA SOLAR, LLC.	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/27/19	2,540,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 2.801 mW DC (1.98 mW AC) solar system. Cubera Solar, LLC is a newly created entity for the purpose of generating electricity in Dunn, NC. The solar power generation facility is estimated to produce 4811222 kWh per year, which is enough electricity to power 445 homes. The solar system will sell its power to Duke Energy Progress with a 14 year fixed PPA. The purpose of this funding is to assist farmers, ranchers, and small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	DAVIS, JAMES P.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	7,500	0	This Rural Development investment will be used for the purchase and installation of an 11.04 kW solar array on the farming operation of James P. Davis. This project will generate 11,688 kWh per year and realize $1,169 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
NORTH CARC	DOM BAKERIES NC, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	11,500	0	This Rural Development investment will be used for the purchase and installation of a 19 kW solar array. Dom Bakeries NC, LLC, a family owned bakery, will realize $3,107 per year in savings, and will replace 25,893 kWh per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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NORTH CARC	ENERGYUNITED EMC	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	05/13/19	0	0	1,000,000	This Rural Development investment fund will be used to provide loan funds to EnergyUnited EMC, a rural utilities program borrower to provide economic development in their community. Loan funds will be loaned to Davie County and Town of Mocksville, to assist in the construction of a 324,000 sq. ft. shell building in the Davie County Industrial Park. The industrial park, Windsor Development, will act as an incubator for new business and economic development in the area. The funds will assist in the preparation and construction of the first shell building in the park. Total project costs is estimated to be $10,000,000. Davie County anticipates the creation of 30 new jobs for the area.
NORTH CARC	ENFIELD COTTON GINNERY, LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	09/26/19	375,000	0	0	This Rural Development investment will be used to purchase and upgrade equipment for an existing cotton gin. The Enfield Cotton Ginnery, LLC is a newly created business, formed by Bryan and Tatum Eason to purchase existing cotton gin in Enfield, NC. The loan funds are being used to purchase modern gin equipment which is vital to a gins long term success. The new equipment will allow more efficient operation by reducing expenses, minimizing waste and producing a better-quality product. The Eason s are licensed and certified as Ginners, with Tatum being one of only two female ginners in the US. The Gin currently has 78 producers and is centrally located in Halifax County and convenient to Cotton Producers in Nash, Edgecombe, Northampton and Martin Counties. These counties are some of the of the counties that lead North Carolina in cotton production. The Gin is also located conveniently to I-95 which is easy for liquidating/hauling ginned seed to ports in Portsmouth, VA.
NORTH CARC	ESA FOUR OAKS 2 NC, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/27/19	2,215,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of machinery and equipment for a solar power generation facility. The ESA Four Oaks 2 NC, LLC, a solar generation facility located in Johnston County, NC will generate 4,227,641 kW (DC) per year, which is enough electricity to power 391 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	EZ STORE, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	11,940	0	This Rural Development investment will be used for the purchase and installation of a 23kW solar array on a self-storage facility in Dallas, NC, owned by EZ Store, LLC. This project will generate 29,707 kWh per year and realize $2,971 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	FOUR COUNTY ELECTIC MEMBERSHIP CORP.	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	05/13/19	0	300,000	0	This Rural Development investment fund will be used to provide grant to Four County EMC, a rural utilities program borrower to provide economic development. The initial project will provide funding to the ultimate recipient, Bladen Blooming, for the construction of a manufacturing incubator in the Elizabethtown Airport Industrial Park located in Bladen County. The project is intended to attract manufacturing jobs to the area.
NORTH CARC	FOUR COUNTY ELECTIC MEMBERSHIP CORP.	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	06/05/19	0	300,000	0	Rural Development funds will be used to provide a grant to Four County EMC to establish a revolving loan fund to be used for economic development in Pender County. The initial loan will be to Pender EMS and Fire to assist in the purchase of 2 ambulance remounts and corresponding equipment.
NORTH CARC	FRESH AIR ENERGY XXXIII, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/26/19	10,000,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of machinery and equipment for a solar power generation facility. The Fresh Air Energy XXXIII, LLC, is a 20.60 mW (DC) solar generation facility located in Grandy of Currituck County, NC. The facility will generate 30,790,537 kW per year, which is enough electricity to power 2,848 homes. It will sell all its power to Virginia Electric and Power (dba Dominion NC) with a 10-year fixed rate PPA. The purpose of this funding programs is to assist farmers, rancher, and rural small businesses in developing renewable energy systems and in making energy efficiency improvements to their operations.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
NORTH CARC	FRESH AIR ENERGY XXXIII, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/27/19	7,750,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of machinery and equipment for a solar power generation facility. The Fresh Air Energy XXXIII, LLC, is a 20.60 mW (DC) solar generation facility located in Grandy of Currituck County, NC. The facility will generate 30,790,537 kW per year, which is enough electricity to power 2,848 homes. It will sell all its power to Virginia Electric and Power (dba Dominion NC) with a 10-year fixed rate PPA. The purpose of this funding programs is to assist farmers, rancher, and rural small businesses in developing renewable energy systems and in making energy efficiency improvements to their operations.
NORTH CARC	GEODYNAMICS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	17,253	0	This Rural Development investment will be used for the purchase and installation of a 25.2kW solar array. Geodynamics, a research firm specializing in seafloor mapping and geophysical surveys, will realize $2,875 per year in savings, and will replace 31,949 kWh (99%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	GLENN PENDLETON FAMILY FARMS, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/31/19	0	30,821	0	This Rural Development loan guarantee investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Glenn Pendleton Family farms, Inc. is a family owned farming operation in Elizabeth City, NC. This project will realize $3,682 per year in savings and will replace 41,331 kWh (11%) per year, which is enough energy to power 4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	GROWING FOR GOOD, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	5,561	0	This Rural Development investment will be used for the purchase and installation of an 8.3 kW solar array on the farming operation of Growing for Good, LLC. This project will generate 11,670 kWh per year and realize $817 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	H. W. CULP LUMBER COMPANY	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/22/19	0	12,171	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting for a large multipurpose building. H.W. Culp lumber company, Inc. is an existing sawmill business. This project will realize $10,832 per year in savings and will replace 139,376 kWh (71%) per year, which is enough electricity to power 13 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	HALIFAX ELECTRIC MEMBERSHIP CORP.	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	05/13/19	0	233,300	0	This Rural Development investment fund will be used to provide grant to Halifax EMC, a rural utilities program borrower to provide economic development. The initial project will provide funding to the ultimate recipient, the Inez Volunteer Fire Department (IVFD), to establish a revolving loan fund to help purchase a new fire truck pumper. The new pumper tanker will replace the outdated pumper that no longer adheres to safety standards. The new truck will help the department maintain their current ISO rating and increase the ability to protect its rural residents.
NORTH CARC	HALIFAX ELECTRIC MEMBERSHIP CORP.	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	12/18/18	0	202,500	0	This Rural Development investment fund will be used to provide grant to Halifax EMC, a rural utilities program borrower to provide economic development. Halifax County will utilize the funding to purchase nine patrol cars for the Halifax County Sheriff s Office. The Halifax County Sheriff s office consists of the Sheriff, 65 sworn officers, and a six-person administrative team. The department currently has 89 cars. Of these, 39 cars have 200,000 or more miles on them, and 15 cars have approximately 150,000 miles on them. The new cars will replace the ones with the highest mileage. The new patrol cars will have a V-8 5.7 Hemi motor, vinyl seats, and a front push-bar. The cars will also be equipped with back-up cameras and sensors. The Sheriff s Office received approximately 50,000 calls, the acquisition of the new patrol cars will help to keep up with any increases in the county dispatch calls. The new vehicles will increase the safety of officers and provide better service to the public.

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NORTH CAROLINA	HAZE GRAY VINEYARDS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	8,300	0	This Rural Development investment will be used for the purchase and installation of a 10.71 kW solar array on the farming operation and winery of Haze Gray Vineyards, LLC. This project will generate 14,242 kWh per year and realize $1,424 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CAROLINA	HCE MOORE 1, LLC.	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	04/02/19	1,654,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 2.322 MW(DC) solar system. HCE Moore 1, LLC is newly created entity located in Aberdeen, NC. The facility will sell all its power to Duke Energy Progress on a 15-year PPA. The system is estimated to produce 3,488,588 kWh per year, which is enough electricity to power 323 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations.
NORTH CAROLINA	HICKORY SOLAR LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/26/19	5,000,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of machinery and equipment for a solar power generation facility. The Hickory Solar, LLC, is a 7.207 mW (DC) solar generation facility located in Rose Hill of Duplin County, NC. The facility will generate 11,918,000 kW per year, which is enough electricity to power 1102 homes. It will sell all its power to Duke Energy Progress with a 12-year fixed rate PPA. The purpose of this funding programs is to assist farmers, rancher, and rural small businesses in developing renewable energy systems and in making energy efficiency improvements to their operations.
NORTH CAROLINA	HICKORY SOLAR LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/27/19	1,300,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of machinery and equipment for a solar power generation facility. The Hickory Solar, LLC, is a 7.207 mW (DC) solar generation facility located in Rose Hill of Duplin County, NC. The facility will generate 11,918,000 kW per year, which is enough electricity to power 1102 homes. It will sell all its power to Duke Energy Progress with a 12-year fixed rate PPA. The purpose of this funding programs is to assist farmers, rancher, and rural small businesses in developing renewable energy systems and in making energy efficiency improvements to their operations.
NORTH CAROLINA	HOPEWELL FRIENDS SOLAR LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/14/18	760,000	0	0	This Rural Development loan guarantee investment will be used to assist farmers, ranchers and rural small business in developing renewable energy systems. Project funds will be used for the purchase and installation of a 1.45 MWdc 10-acre Utility-scale ground mounted solar array located in Randolph County, NC. This will be a fenced in solar array that will sell all its power on contract to North Carolina Electric Membership Corporation with a 10-year PPA. This project will generate 2,239,051 kWh, which is enough electricity to power 207 houses.
NORTH CAROLINA	HORNWOOD, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	19,704	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting. King Charles facility owned by Hornwood, Inc., is an existing knitting facility located in Candor, NC. This project will realize $20,608 per year in savings and will replace 247,503 kWh (59%) per year, which is enough electricity to power 23homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CAROLINA	J. C. STEELE & SONS, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/31/19	0	46,510	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the facility. J.C. Steele & Sons, Inc. is an existing machinery and solutions business in Statesville, NC. This project will realize $59,663 per year in savings and will replace 487,442 kWh (64%) per year, which is enough electricity to power 45 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CAROLINA	KATHLEEN SOLAR LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	11/29/18	4,675,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 6.88 MW solar system. Kathleen Solar, LLC is a newly created entity for the purposes of generating electricity in Fuquay-Varina, NC. The system is estimated to produce 10,100,000 kWh per year, which is enough electricity to power 938 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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NORTH CAROLINA	LANGTREE LAKE, LLC.	BI	GUARANTEED B&I 3% FEE LOAN	04/22/19	10,000,000	0	0	This Rural Development loan investment will be used to construct a six story, 120-room Tru Hotel by Hilton in Mooresville, NC. The hotel will be located off Exit 31 along Interstate 77 approximately 30 miles from the Charlotte Douglas International Airport. Tru by Hilton, the hotel chain's new midscale brand, targets rate-sensitive guests by providing basic amenities and decor while offering flexible activity spaces and up-to-date technology. Amenities will include a breakfast area, sundry shop, fitness center, business center, as well as a game room and a lounge area. Mooresville is the home of numerous NASCAR Teams and over 60 racing-related businesses. The hotel will create 40 jobs for the area.
NORTH CAROLINA	LEGACY BIOGAS, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	12/07/18	5,000,000	0	0	This Rural Development investment will be used for the purchase and installation of a 4.2 MW anaerobic digester system. Legacy Biogas, LLC is a newly created entity for the purposes of generating biogas in Fremont, NC. The system is estimated to produce 7,183,200 kWh per year, which is enough electricity to power 667 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CAROLINA	LIPKA, JOHN D.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	13,242	0	This Rural Development investment will be used for the purchase and installation of a 20.7 kW solar array for a nursery farm in Rural Hall, NC, owned by John P. Lipka. This project will generate 29,073 kWh and realize $3,024 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CAROLINA	LITTLE GUATEMALA LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	17,236	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting and more efficient windows. Little Guatemala is an up and coming business to share Guatemalan culture through coffee, chocolate, crafts etc. in Morganton, NC. This project will realize $3,021 per year in savings and will replace 24,564 kWh (61%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CAROLINA	MAYLAND COMMUNITY COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	07/15/19	0	250,000	0	This Rural Development investment will provide funding for interior construction and equipment for a resource center in Spruce Pine, NC serving entrepreneurs. The resource center, Mayland Center for Entrepreneurs, will be in the Pinebridge Coliseum, and will be operated by the Mayland Community College's Small Business Center. The resource center will include broadband, video conferencing, computer lab, marketing, shipping, equipment and technical assistance. This center this will benefit many of the town's retail and service businesses by providing additional revenue opportunities by providing conference facilities to commercial and industrial businesses, and will serve entrepreneurs from Mitchell, Yancey and Avery Counties.
NORTH CAROLINA	MCCOLLUM, JR., BOBBY E.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	18,247	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of insulated solid doors and new cool cells. Bobby McCollum has a poultry farm operation located in Polkton, NC. This project will realize $7,232 per year in savings, and will save 44,111 kWh (12%) per year, which is enough electricity to power 4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CAROLINA	MCT HOLDINGS 2, LLC.	RES	RENEWABLE ENERGY SYSTEMS - GUAR LOAN	05/06/19	4,155,000	0	0	This Rural Development loan guarantee investment will be used for the acquisition of a 6.384 MW(DC) ground mounted fixed tilt solar system. MCT Holdings 2, LLC is a newly created entity which will be acquiring the electrical generating facility in Maxton, NC. The facility will sell all its power to Duke Energy Progress on a 15-year PPA. The system is estimated to produce 9,261,648 kWh per year, which is enough electricity to power 856 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
NORTH CAROLINA	MCT HOLDINGS 3, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	05/06/19	4,218,750	0	0	This Rural Development loan guarantee investment will be used for the acquisition of a 6.437 MW(DC) solar system. MCT Holdings 3, LLC is a newly created entity which will be acquiring the electrical generating facility in St. Paul, NC. The facility will sell all its power to Duke Energy Progress on a 15-year PPA. The system is estimated to produce 8,985,364 kWh per year, which is enough electricity to power 831 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CAROLINA	MCT HOLDINGS 4, LLC.	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	05/06/19	3,277,500	0	0	This Rural Development loan guarantee investment will be used for the acquisition of a 5.00 MW (DC) solar system. MCT Holdings 4, LLC is a newly created entity which will be acquiring the electrical generating facility in Kings Mountain, NC. The facility will sell all its power to Duke Energy Carolinas on a 15- year PPA. The system is estimated to produce 6,988,107 kWh per year, which is enough electricity to power 646 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CAROLINA	MCT HOLDINGS, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	05/06/19	3,817,500	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 5.85 MW Photovoltaic Solar System. The project is located in Warren County, NC. The system will sell power to Duke Power. This project will generate 7,868,575 kWh, which will power 727 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CAROLINA	MOORE, PHILIP W.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	7,312	0	This Rural Development investment will be used for the purchase and installation of a 9.9 kW solar array on the family farm of Philip W. Moore. This project will generate 14,620 kWh per year and realize $1,316 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CAROLINA	MORNING VIEW SOLAR, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/14/18	1,675,000	0	0	This Rural Development loan guarantee investment will be used to assist farmers, ranchers and rural small business in developing renewable energy systems. Project funds will be used for the purchase and installation of a 2.89 MWdc 15-acre Utility-scale ground mounted solar array located in Randolph County, NC. This will be a fenced in solar array that will sell all its power on contract to North Carolina Electric Membership Corporation with a 10-year PPA. This project will generate 4,898,551 kWh, which is enough electricity to power 453 houses.
NORTH CAROLINA	MOUNTAIN BIZCAPITAL, INC.	IRP	INTERMEDIARY RELENDING PROGRAM	09/09/19	0	0	750,000	Rural Development funds will be used to provide low-interest loans to public and non-profit organizations to relend for business and community development. The project areas include Alleghany, Ashe, Avery, Burke, Caldwell, Cherokee, Clay, Cleveland, Graham, Haywood, Jackson, McDowell, Macon, Madison, Mitchell, Polk, Rutherford, Swain, Transylvania, Watauga, Wilkes, and Yancey. This funding will provide for six businesses.
NORTH CAROLINA	MOUNTAIN BIZCAPITAL, INC.	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	107,354	0	Rural Development funds will be used to establish a revolving loan fund to provide financial assistance for microentreprises in the twelve county service area.
NORTH CAROLINA	MOUNTAIN VALLEYS RC&D COUNCIL, INC.	REAR	RENEWABLE ENERGY DEVLP ASSISTANCE GRANTS	03/25/19	0	100,000	0	This Rural Development investment will be used by the grantee in cooperation with three additional RC&Ds, to provide renewable energy development assistance to farmers, ranchers, and rural small businesses in 30 counties/units in western North Carolina.
NORTH CAROLINA	NATURAL CAPITAL INVESTMENT FUND INC	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	50,931	0	Rural Development Loan funds will be used to capitalize a Rural Microloan Revolving Fund to make microloans to rural microentrepreneurs and microenterprises. The organization, Natural Capital Investment Fund will provide RMAP funding for the rural areas in North Carolina, West Virginia and Maryland.
NORTH CAROLINA	NICKELSON SOLAR LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	11/29/18	4,890,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 7.11 MW solar system. Nickelson Solar, LLC is a newly created entity for the purposes of generating electricity in Wallace, NC. The system is estimated to produce 10,270,000 kWh per year, which is enough electricity to power 954 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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NORTH CARO	NORTH CAROLINA ELECTRIC MEMBERSHIP CORP.	REAR	REAP ENERGY AUDIT RECIPIENT	03/25/19	0	100,000	0	This Rural Development investment will be used to serve 93 of the 100 counties in North Carolina to conduct approximately 35 energy audits for rural small businesses and agricultural producers. These audits will provide analysis to make energy-efficiency improvements to these operations. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARO	NORTH CAROLINA'S EASTERN ALLIANCE CORPOR	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	167,496	0	This Rural Development investment will be used to provide technical assistance to small and emerging rural businesses. The NCEAC will provide consulting and training assistance to 2 new businesses. The rural businesses in the area that will have access to information that will help them increase job creation for the area. With this funding, 75 jobs will be created and 2 jobs saved.
NORTH CARO	ORGANIC GROWERS SCHOOL	RBOG	RBCS DEVELOPMENT GRANT	07/30/19	0	10,500	0	This Rural Development investment will be used to provide technical assistance to recruit, train and mentor new farmers in Western North Carolina counties. The Organic Growers School will use networking seasoned, experienced, farmers with new farmers, and using round table discussions, best practices and apprenticeships to help new farmers become successful. Consulting services are provided to support all stages of famers with technical assistance, systems development, farm management and marketing, site planning and infrastructure development. With this funding, 8 jobs will be created in the area.
NORTH CARO	PAGE SOLAR FARM, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	04/17/19	1,310,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 1.88 MW solar system. Page Solar Farm, LLC is a newly created entity for the purposes of generating electricity in Willow Springs, NC. The system is estimated to produce 2,842,000 kWh per year, which is enough electricity to power 264 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
NORTH CARO	PEE DEE ELECTRIC MEMBERSHIP CORPORATION	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	05/13/19	0	300,000	0	This Rural Development investment fund will be used to provide loan and grant to Pee Dee EMC, a rural utilities program borrower to provide economic development. The initial project will provide funding to the ultimate recipient, the Mountain Creek FD, to establish a revolving loan fund to purchase a new fire truck pumper tanker. The new fire truck, a 2018 Kenworth Pumper/Tanker, with a 1,250 - gallon capacity and the ability to pump 1,500 gallons of water in a minute and will also house a foam system. The new truck will replace a 1989 aged truck as the front-line vehicle and will respond to most of the calls for assistance. The fire truck will meet the NC requirements to be considered a pumper, tanker and support apparatus. The Mountain Creek Fire Department is an all-volunteer department and currently has 24 members and responds to over 80 calls per year. The new truck will help the fire department to better respond to its increasing call volume. It provides fire and medical services to its fire service territory and has mutual aid agreements to assist with structure fires with two neighboring fire departments.
NORTH CARO	PEE DEE ELECTRIC MEMBERSHIP CORPORATION	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	05/13/19	0	112,829	0	This Rural Development investment fund will be used to capitalize a revolving loan fund for Pee Dee EMC. Cordova Fire and Rescue, the ultimate recipient, will use the funds to purchase three new trucks with boat towing ability. Cordova Fire and Rescue is the only department within Richmond County that is swift water certified. The department provides mutual aid water rescue services to Anson County on the Blewitt Falls Lake, and aided Scotland County water rescues and evacuation operations during Hurricane Florence. The Department is a volunteer organization with a Borad of Directors, Fire Chief, Deputy Chief, Assistance Chief, two Captains, three Lieutenants, and three safety officers, as well as 20 firefighters and four junior firefighters. In total, the department has nearly 40 volunteers. Cordova Fire and Rescue's apparatus consists of three pumper tankers, two tankers, three brush trucks, four boats, three four-wheelers, one pickup truck, two ambulances, and three quick response vehicles. The Department is seeking to replace its current chiefs' vehicles. The vehicles are not equipped to aid in water rescue services, and do not have the capacity to tow rescue boats. The Cordova Fire and Rescue annually received between 400-600 calls for service. During Hurricane Florence, the Department made a total of 43 water rescues. The replacement vehicles will have the ability to better serve the county and surrounding counties in future storms. The total project costs will be $135,395.

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NORTH CARC	PIEDMONT EMC	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	06/05/19	0	0	376,000	This Rural Development investment fund will be used to provide grant to Piedmont EMC, a rural utilities program borrower to provide economic development. The project will provide funding to the ultimate recipient, Timberlake VFD, to establish a revolving loan fund to help purchase a new fire truck. The new fire truck pumper will replace the aged 1988 FMC pumper. The Department will purchase the necessary equipment for the truck as required by the State of NC Department of Insurance Office of State Fire Marshall Response Ratings requirements to maintain its 9S ISO ratings. The Timberlake VFD responded to over 600 calls in 2018. The Timberlake VF department expects the new truck will help the department to better respond to its increasing call volume and servicing the community.
NORTH CARC	PINCHGUT FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	12,560	0	This Rural Development investment will be used for the purchase and installation of a 20.7 kW solar array at the B&B lodge owned by Pinchgut Farm, LLC. This project will generate 32,249 kWh per year and realize $2,580 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	PINESAGE SOLAR FARM, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/14/18	4,350,000	0	0	This Rural Development loan guarantee investment will be used to assist farmers, ranchers and rural small business in developing renewable energy systems. Project funds will be used for the purchase and installation of a 6.26 MWdc 38-acre Utility-scale ground mounted solar array located in Moore County, NC. This will be a fenced in solar array that will sell all its power on contract to Duke Energy with a 15-year PPA. This project will generate 7,512,923 kWh, which is enough electricity to power 695 houses.
NORTH CARC	RABY, CHARLES B.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	7,625	0	This Rural Development investment will be used for the purchase and installation of a 9.3 kW solar array on the family farm of Charles B. Raby. This project will generate 13,765 kWh and realize $1,611 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	RED TOAD 4451 BUFFALO ROAD LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	11/29/18	1,985,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 3.01 MW solar system. Red Toad 4451 Buffalo Road, LLC is a newly created entity for the purposes of generating electricity in Selma, NC. The system is estimated to produce 4,288,000 kWh per year, which is enough electricity to power 398 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	RED TOAD 5840 BUFFALO ROAD LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	11/29/18	2,210,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 2.97 MW solar system. Red Toad 5840 Buffalo Road, LLC is a newly created entity for the purposes of generating electricity in Selma, NC. The system is estimated to produce 4,707,000 kWh per year, which is enough electricity to power 437 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	REPOLYTEX, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	18,065	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting. Repolytex, LLC is an existing business located in Madison, NC that processes electronic plastic into a raw product. This project will realize $30,943 per year in savings and will replace 286,516 kWh (90%) per year, which is enough electricity to power 27 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
NORTH CARC	ROANOKE ELECTRIC MEMBERSHIP CORP.	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	12/18/18	0	139,166	0	This Rural Development investment funds will be used to capitalize a revolving loan fund for Roanoke EMC. The initial loan will be made to the City of Roanoke Rapids to assist in the purchase of five public safety and utility vehicles for the Roanoke Rapids Police Department's Pro-Active Community Engagement (PACE) Team, a law enforcement task force, within the Police Department. These vehicles will help the Team to properly address crime and support public safety. The PACE Team is made up with 11 individuals, a Captain, Lieutenant, four investigators, two narcotics agents, and evidence custodian, and administrative assistant. The City of Roanoke Rapids approved two additional positions to the PACE Team. With this funding, 2 jobs will be created and 11 retained.
NORTH CARC	ROANOKE ELECTRIC MEMBERSHIP CORP.	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	05/13/19	0	300,000	0	This Rural Development investment fund will be used to provide grant to Roanoke EMC, a rural utilities program borrower to provide economic development. The initial project will provide funding to the ultimate recipient, the Garysburg Volunteer Fire Department (GVFD) in purchasing a new fire truck pumper, to replace an aging 32-year old truck. The fire department will be purchasing a 2019 Rosenbauer Rural Pumper fire truck, with a 1000-gallon tank and pump capacity of 1,250 ppm, and with seating capacity for a five-man cab. The department will also be purchasing associated equipment to meet current NFPA standards.
NORTH CARC	SHELTER SOLAR, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	03/06/19	4,925,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 7.13 MW solar system. Shelter Solar, LLC is a newly created entity for the purposes of generating electricity in Raeford, NC. The system is estimated to produce 10,390,000 kWh per year, which is enough electricity to power 965 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	SOLESBEE, SETH M.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	7,375	0	This Rural Development investment will be used for the purchase and installation of an 9.9 kW solar array on the farming operation of Seth Solesbee. This project will generate 14,487 kWh and $1,304 of per year as a buy-all/sell-all system. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	SOUTH RIVER EMC	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	09/10/19	0	0	1,000,000	This Rural Development investment fund will be used to provide grant to South River EMC, a rural utilities program borrower to provide economic development. The initial project will provide funding to the ultimate recipient, the Town of Spring Lake, to construct a second fire station to better serve the Manchester area, which the Spring Lake Fire and Rescue Department currently covers in its fire service territory. The fire department will also lease two new fire trucks to equip the new station and staff the station with the addition of six new full-time, and six new part-time personnel in FY2019-2020. The second station will help the fire department to better respond to its increasing call volume and servicing the community.
NORTH CARC	SPRING HOPE SOLAR 3, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/26/19	5,000,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of machinery and equipment for a solar power generation facility. The Spring Hope Solar 3, LLC, a solar generation facility located in Nash County, NC will generate 10853000 kW (DC) per year, which is enough electricity to power 1,004 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	SPRING HOPE SOLAR 3, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/26/19	836,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of machinery and equipment for a solar power generation facility. The Spring Hope Solar 3, LLC, a solar generation facility located in Nash County, NC will generate 10853000 kW (DC) per year, which is enough electricity to power 1,004 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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NORTH CARO	STALLINGS, JR., JAMES A	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	16,273	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of center pivot irrigation system. James Stallings has a soybean, corn, and cotton farm operation located near Belvidere, NC. This project will realize $5,048 per year in savings and will replace 93,165 kWh (70%) per year, which is enough electricity to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARO	STONY FORK FARMS, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/31/19	0	11,264	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of center pivot irrigation system. Stony Fork Farms, Inc. operates a hog farm located near Four Oaks, NC. This project will realize $1,699 per year in savings and will replace 37, 806kWh (86%) per year, which is enough electricity to power 3.5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARO	TABOR CITY, TOWN OF	RBEG	RBCS ENTERPRISE GRANTS	07/15/19	0	250,000	0	This Rural Development investment will provide funding for construction of a new train depot building in downtown Tabor City. This project is part of a master plan that has several improvements throughout the downtown area including street improvements, construction of new parks, and the rehabilitation of the existing Ritz Plaza. Upon completion of the new Depot building, Tabor City will partner with R.J. Corman Carolina Lines to provide a train excursion from Conway, SC into Tabor City.
NORTH CARO	THATCHMORE FARM, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	7,653	0	This Rural Development investment will be used for the purchase and installation of a 7.9 kW solar array on the farming operation of Thatchmore Farm, LLC. This project will generate 11,271 kWh per year and realize $1,161 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARO	THREE BRIDGE FARM, LLC.	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	02/08/19	1,827,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 2.584 MWdc (1.998 MWac) Photovoltaic Solar System. The project is located on a 14.5-acre lease site in Robeson County, NC. The system will sell power to Duke Energy Progress. They have contracted a 15-year fixed rate PPA with an effective rate of$0.0628/ kWh. This project will generate 3,905,708, which will power 361 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARO	TIDELAND ELECTRIC MEMBERSHIP CORPORATION	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	09/10/19	0	0	1,000,000	This Rural Development investment fund will be used to provide loan funds Tideland EMC, a rural utilities program borrower to provide economic development. The ultimate recipient, Newman Brothers, will use the funds to upfit a former seafood processing plant into a seafood restaurant along the waterfront in Belhaven, NC. The restaurant will have specialized state-of-the-art equipment that will ensure good working conditions for employees, and better-quality seafood for Newman Brothers clients.
NORTH CARO	TRI-COUNTY EMC	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	05/13/19	0	0	90,000	This Rural Development investment fund will be used to provide grant to Tri-County EMC, a rural utilities program borrower to provide economic development. The initial project will provide funding to the ultimate recipient, the Sandy Bottom Volunteer Fire Department (SBVFD), to establish a revolving loan fund to help purchase a new fire truck. The fire department is seeking a replacement to an aged tanker with a new pumper/tanker engine to keep up with the demands of its fire district. The SBVFD fire department consists of 30-35 members.
NORTH CARO	TRI-COUNTY EMC	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	05/13/19	0	300,000	0	This Rural Development investment fund will be used to provide grant to Tri-County EMC, a rural utilities program borrower to provide economic development. The initial project will provide funding to the ultimate recipient, the Sandy Bottom Volunteer Fire Department (SBVFD), to establish a revolving loan fund to help purchase a new fire truck. The fire department is seeking a replacement to an aged tanker with a new pumper/tanker engine to keep up with the demands of its fire district. The SBVFD fire department consists of 30-35 members.

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NORTH CARC	TRI-COUNTY OFFICE SUPPLY, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	15,787	0	This Rural Development investment will be used for the purchase and installation of a 25.5 kW solar array at the office supply building of Tri-County Office Supply, Inc. This project will generate 32,325 kWh and $4,461 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	TRIANGLE STORAGE 1, LLC.	BI	GUARANTEED B&I 3% FEE LOAN	03/27/19	5,000,000	0	0	This Rural Development loan guarantee investment will be used to provide financing for the construction of a multi-story self-storage facility and provide working capital and cover all soft costs associated with the loan. The company, Triangle Storage 1, LLC incorporated in 2017. The multi-story storage facility will be in Holly Springs, NC. The building will be 89,700 square feet, three stories and a basement, with 575 climate-controlled units ranging from 25 to 300 square feet and four office/flex spaces totaling 2200 square feet. The unites will be all interior and accessed by interiors corridors and elevators. With this funding, two jobs will be created.
NORTH CARC	TROTTERS SEWING COMPANY INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/31/19	0	40,752	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting and HVAC. Trotters Sewing Co., Inc is an existing cut and sew manufacturer. This project will realize $13,422 per year in savings and will replace 487,421 kWh (33%) per year, which is enough electricity to power 45 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	TROY LUMBER COMPANY	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/31/19	0	29,226	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting. Troy Lumber Company is an existing saw mill in Troy, NC. This project will realize $31,008 per year in savings and will replace 411,943 kWh (70%) per year, which is enough electricity to power 38 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	38,504	0	This Rural Development investment funds will be used to provide technical assistance to two businesses, a series of workshops to support Latino-owned businesses and an asset development workshop in rural NC.
NORTH CARC	UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	RBOG	RBCS DEVELOPMENT GRANT	07/24/19	0	75,000	0	This Rural Development investment fund will be used to provide funding for marketing. The harbor town project is a regional effort to transform the five towns of Elizabeth City, Hertford, Edenton, Plymouth and Columbia, NC into a tourist destination. The marketing process will further enhance via connection to each other by a system of water passenger ferries serving the Albemarle Sound. The marketable identity of this regional tourist attraction will be History, Arts, and Nature, all of which define the collective tourism assets of the towns.
NORTH CARC	VALDESE ECONOMIC DEVELOPMENT INVESTMENT	IRP	INTERMEDIARY RELENDING PROGRAM	04/01/19	0	0	750,000	This Rural Development investment will be used to provide low-interest loans to public and non-profit organizations to relend for business and community development. Valdese Economic Development Investment Company will provide loans to the Alexander, Burke, Caldwell, Catawba Iredell, Cleveland, Rutherford, and McDowell county area with the goal of attaching new businesses and small industry to an area which has been particularly hard hit by job losses in the textile and furniture industries. With this funding, 10 jobs will be created and 10 jobs saved.
NORTH CARC	VALDESE ECONOMIC DEVELOPMENT INVESTMENT	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	59,111	0	Rural Development funds will be used to establish a revolving loan fund to provide financial assistance for microentreprises in the five county service area.
NORTH CARC	VENUS HOSPITALITY JCE, LLC.	BI	GUARANTEED B&I 3% FEE LOAN	08/19/19	10,000,000	0	0	This Rural Development loan investment will be used to construct a 4-story, 95-room, Holiday Inn Express in Lumberton, NC. The hotel chain targets rate-sensitive guests by providing basic amenities and dDcor, while offering flexible activities spaces and up-to-date technology. Amenities will include a fitness center, an indoor pool, guest laundry, and meeting rooms. The hotel will be located off Exit 22 of Interstate 95, which has a constant flow of travelers. The hotel will create 32 jobs for the area.

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NORTH CARC	VIOLET SOLAR, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	12/07/18	5,000,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 7.7 MW solar system. Violet Solar, LLC is a newly created entity for the purposes of generating electricity in Mt. Pleasant, NC. The system is estimated to produce 11,097,000 kWh per year, which is enough electricity to power 1,030 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	WARREN SOLAR FARM, LLC	BI	GUARANTEED B&I 3% FEE LOAN	06/11/19	435,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 7.5 MW solar system. Warren Solar Farm, LLC is a newly created entity for the purposes of generating electricity in Newton Grove, NC. The system is estimated to produce 12,100,000 kWh per year, which is enough electricity to power 1,124 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	WARREN SOLAR FARM, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	05/29/19	5,000,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 7.5 MW solar system. Warren Solar Farm, LLC is a newly created entity for the purposes of generating electricity in Newton Grove, NC. The system is estimated to produce 12,100,000 kWh per year, which is enough electricity to power 1,124 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	WARRENTON SOLAR 1, LLC.	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	02/08/19	4,940,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 6.955 MWdc (4.998 MWac) Photovoltaic Solar System. The project is located on a 75-acre lease site in Warren County, NC. The system will sell power to Duke Energy Progress. They have contracted a 15-year fixed rate PPA with an effective rate of$0.0641/kWh. This project will generate 11,911,860, which will power 1102 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	WENDELL SOLAR FARM, LLC.	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	08/08/19	4,785,000	0	0	This Rural Development loan guarantee investment will be used to provide permanent financing for a 6.25 MW (dc) Photovoltaic Solar Array in Wake County, NC. This is a 75-acre fenced in utility scale solar facility with ground mounted tracking system. The facility will sell all the generated power to Duke Energy Progress, under a 15-year Power Purchase Agreement (PPA), which is setup as three five-year renewals. It is anticipated that the system will generate 10,240,000 kWh per year, which equates to the power used in 947 average sized households. Two jobs will be created for the area. Lender is Live Oak Banking Company, NC.
NORTH CARC	WISE ACRES CORPORATION	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	6,876	0	This Rural Development investment will be used for the purchase and installation of a 6.2 kW solar array on the farming operation of Wise Acres Corporation. This project will generate 9,297 kWh per year and realize $1,116 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH CARC	YANCEY COUNTY	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	96,000	0	Project will assist farmers in Yancey, Mitchell, Avery, McDowell and Madison counties in NC as well as Washington County, TN to market sweet and dried corn under the name of Appalachian Ancient Grains
NORTH CARC	ZELDA HOLDINGS, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	03/06/19	1,700,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 1.911 MWdc Photovoltaic Solar System. The project is located on a 12-acre lease site in Randolph County, NC. The project will be a ground mounted system Interconnected with Randolph EMC and will sell power to North Carolina EMC (NCEMC). They have contracted a 10-year PPA with an effective rate of $47.95/MWh. This project will generate 3,241,668 KWH, which will power 300 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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NORTH CAR	ZELDA HOLDINGS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/19/19	250,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 1.911 MWdc Photovoltaic Solar System. The project is located on a 12-acre lease site in Randolph County, NC. The project will be a ground mounted system interconnected with Randolph EMC and will sell power to North Carolina EMC (NCEMC). They have contracted a 10-year PPA with an effective rate of $47.95/MWh. This project will generate 3,241,668 KWH, which will power 300 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH DAK	ADAMS COUNTY DEVELOPMENT CORP	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	08/01/19	0	150,000	0	This Rural Development investment will be used to assist a new, small business by purchasing restaurant and bowling equipment to reopen a new dining option and recreational facility in Hettinger, ND. The project is anticipated to create 3 new jobs.
NORTH DAK	BOWMAN COUNTY DEVELOPMENT CORPORATION	RBOG	RBCS BUSINESS OPPORTUNITY REAP ZONE GRANTS	08/06/19	0	21,756	0	This Rural Development investment will be used to analyze a business opportunity through the completion of a feasibility study to determine the capability of creating a steakhouse type restaurant. The study will evaluate what business model would be most successful, as well as, evaluate the communitÏs assets on Main Street that could potentially serve as the location of the new business.
NORTH DAK	C & T MOEN FARMS, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/19/19	0	69,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a more energy efficient grain dryer. C & T Moen Farms, Inc. operates a family farm, raising small grains near Mayville, ND. This project will realize $26,054 per year in savings and will replace 507,320 kWh (61%) per year, which is enough electricity to power 46 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH DAK	CAPITAL ELECTRIC COOPERATIVE	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/19/19	0	47,750	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of new LED security lighting leased to members. Capital Electric Cooperative is a rural electric power supplier providing electricity to the county of Burleigh as well as parts of Sheridan, McLean, Kidder, and Emmons of Southcentral North Dakota. This project will realize $13,359 per year in savings, and will replace 222,650 kWh (45%) per year, which is enough electricity to power 20 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH DAK	CONSOLIDATED TELCOM	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (TELEPHONE)	06/10/19	0	0	1,000,000	This Rural Development investment will be used to renovate a former grocery store building into a new healthcare clinic in Lemmon, South Dakota. West River Health Services serves approximately 8,000 patients per year. The current clinic facility does not have handicap accessible entrances or restrooms, its layout is not conducive to patient privacy, and the patient treatment rooms are small in size. The new clinic will be modernized and increase the number of patient treatment rooms, will promote patient confidentiality and privacy with soundproof walls, and will have larger and handicap accessible entrances and patient rooms. The clinic will be provided medical services to rural residents located in northwest South Dakota and southwest North Dakota. The project will assist in saving 5 existing full-time jobs.
NORTH DAK	FEIKEN, DENNIS	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/22/19	0	36,871	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a more energy efficient grain dryer. Dennis Feiken operates a family farm, raising small grains near LaMoure, ND. This project will realize $12,582 per year in savings and will replace 368,288 kWh (41%) per year, which is enough electricity to power 34 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH DAK	FUGLEBERG FARMS	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/22/19	0	64,129	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a more energy efficient grain dryer. Fugleberg Farms operates a family farm, raising small grains near Hope, ND. This project will realize $50,264 per year in savings and will replace 1,227,812 kWh (36%) per year, which is enough electricity to power 113 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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NORTH DAKC	HANKINSON RENEWABLE ENERGY, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/22/19	0	250,000	0	This Rural Development investment will be used for the purchase and installation of a newly expanded heat recovery system for a 149 MGPY ethanol production facility. Hankinson Renewable Energy has been in operation since 2009 and utilizes corn to produce ethanol. This project estimates to increase ethanol production by 10 MGPY, enough to fuel 13,550 automobiles per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficacy improvements to their operations.
NORTH DAKC	HARRIS MACHINE COMPANY	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/29/19	0	19,935	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of new LED lighting at its office and plant facilities in Oakes, ND. Harris Machine Company operates as a family owned welding, machining, and assembly facility that is awarded various production contracts from across the United States. This project will realize $27,106 per year in savings, and will replace 285,322 kWh (55%) per year, which is enough electricity to power 26 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH DAKC	HETTINGER AREA CHAMBER OF COMMERCE	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	08/01/19	0	114,000	0	This Rural Development investment will be used to purchase equipment and renovate a building to establish a workforce development training center. The project will assist with the development of small and emerging businesses by providing a space for entrepreneurs and business to succeed, offering professional development, job training, educational opportunities, and providing affordable access to technology. The project is anticipated to assist at least 10 businesses and 2 new jobs in the first year of operation.
NORTH DAKC	HETTINGER, COUNTY OF	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	08/06/19	0	41,000	0	This Rural Development investment will be used to purchase restaurant and floral shop equipment to assist The Tilted Tulip expand its business in Mott, ND. The current facility has no commercial-grade appliances and are old, unreliable and insufficient to handle a growing catering and caf© services. The equipment upgrade will enable the Tilted Tulip to make its kitchen more efficient in terms of output and also create a more productive and ergonomically-friendly workspace. The project will enhance the Tilted Tulip s ability to provide luncheons, catering, wine tasting and other programs while providing an added attraction to the community. The project is anticipated to create two new jobs.
NORTH DAKC	HETTINGER, COUNTY OF	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	08/01/19	0	27,000	0	This Rural Development investment will be used to purchase equipment to assist Northlands Arms, LLC expand its gunsmithing shop in Mott, ND. The equipment is needed to enable Northland Arms, LLC expand its services to be a complete gunsmithing shop. The project is anticipated to create 2 new jobs.
NORTH DAKC	JAMESTOWN/STUTSMAN DEVELOPMENT CORP.	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	63,300	0	This Rural Development investment will be used to help finance capacity building training to stimulate local economies through the support of start-up ventures and rural small businesses. Rural businesses located in Wells, Foster, Griggs, Stutsman, Barnes, Logan, LaMoure, McIntosh and Dickey counties will have access to technical assistance for starting a small business and connection to relevant entrepreneurial resources. The project will include specialized events such as Entrepreneur Advocacy Initiatives focusing on target areas and markets, such as women-owned businesses; value-added agriculture or rural innovation or E-commerce or social media marketing; youth technology and entrepreneurship; small business financing; and manufacturing. It is anticipated that as many as 8-12 new jobs, up to 40 clients served, and up to 225 unique customer assisted. The project supports the Interagency Task Force on Agriculture and Rural Prosperity by supporting innovation and entrepreneurship by building a pipeline of future entrepreneurs.
NORTH DAKC	KNUDSON, SHAWN	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/28/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a more energy efficient grain dryer. Shawn Knudson operates a family farm, raising small grains near Clifford, ND. This project will realize $10,207 per year in savings and will replace 166,846 kWh (49%) per year, which is enough electricity to power 15 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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NORTH DAKC	LAKE AGASSIZ RDC	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	31,337	0	RD grant funds will be used to provide technical assistance and training to rural microentrepreneurs and microenterprises.
NORTH DAKC	LEEDS ECONOMIC DEVELOPMENT CORPORATION	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	08/05/19	0	150,000	0	This Rural Development investment will be used to construct a building to be used as a childrels daycare facility in Leeds, ND. The city of Leeds has a severe shortage of daycare providers with no openings available for additional children. The facility will be leased to a small business daycare provider that will provide daycare for up to 30 additional children. The project is strongly supported by the community as there will also be an approximate $150,000 applicant contribution to the project. The project is anticipated to create 4 new jobs.
NORTH DAKC	LEONARDITE PRODUCTS LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/30/19	2,526,608	0	0	This Rural Development loan guarantee investment will be used to finance the rebuilding and equipping of the Leondardite Products, LLC facility in Williston, ND. The investment will enable to increase Leondardite's ability to process leonardite into additives for fertilizer, oil drilling fluids, and foundry applications. The project will create 12 new jobs.
NORTH DAKC	LINTON INDUSTRIAL DEVELOPMENT CORP.	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	46,600	0	This Rural Development investment will be used to help finance technical assistance for creating and executing a market strategy to assist Plains Mobile, Inc. located in Linton, ND generate marketing and brand recognition both locally and nationally. Plains Mobile is a technology-based software development company that offers a cloud-based software for businesses. It is anticipated 8 new jobs will be created. Additionally, the project supports the Interagency Task Force on Agriculture and Rural Prosperity by focusing the investment in a distressed community and supporting innovation and entrepreneurship through commercialization of technology driven products.
NORTH DAKC	MINOT STATE UNIVERSITY	RBOG	RBCS DEVELOPMENT GRANT	07/25/19	0	22,000	0	This Rural Development investment will be used to help finance a feasibility study to assess and determine key indicators for a successful, regional business incubator that would serve rural entrepreneurs from Minot and the surrounding rural counties of Bottineau, Burke, McHenry, Mountrail, Renville, Pierce and Ward. The feasibility study will asses the scope of need; incubator programming; incubator partners; incubator size and layout; incubator location; and incubator management and operations. The establishment of a business incubator is in line with current local and area-wide strategies and consistent with the Interagency Task Force on Agriculture and Rural Prosperity as it supports innovation and entrepreneurship through the planning of a business incubator to build and sustain a pipeline of future entrprenurs.
NORTH DAKC	MONDAK PORTABLES, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/19/18	3,115,000	0	0	This Rural Development loan guarantee investment will be used to provide long-term financing for debt refinance and working capital. The debt refinancing will lower the busines annual debt service and the added working capital will enable the business to fund its growth into the future and assist in retaining 4 full-time jobs. The business was established in 2008 and is a 100% female-owned business that is a portable toilet manufacturing, delivery, and servicing company that rents and sells different types of portable toilets and trailers. Services offered include standard portable toilets, hand washing stations, toilet trailers, and Comfort Stations that are heated and air-conditioned.
NORTH DAKC	ND ASSOCIATION OF RURAL ELECTRIC COOP	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/11/19	0	200,000	0	This Rural Development investment will be used to provide technical assistance to cooperatives and mutually owned businesses in an effort to service rural areas in North Dakota. The support offered from this investment will help improve the quality of life and economic conditions of rural areas throughout the state of North Dakota.
NORTH DAKC	OYATE COMMUNITY DVLPMNT CORP	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	84,155	0	USDA RD Funds will be used to improve economy and quality of life on the Standing Rock Sioux Reservation by providing education, training, and direct lending of money to support community and business development for entrepreneurs.
NORTH DAKC	OYATE COMMUNITY DVLPMNT CORP	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	31,100	0	This Rural Development investment will be used to help finance technical assistance for business startup and expansion of small and emerging businesses in the Standing Rock Sioux Tribe Reservation in North Dakota. The technical assistance will include feasibility studies, marketing analysis, and business planning services. The project supports the Interagency Task Force on Agriculture and Rural Prosperity as the investment will focus on Sioux County which is a high poverty area.

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NORTH DAKC	PETERSON, MICHAEL	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/19/19	0	49,625	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a more energy efficient grain dryer. Michael Peterson operates a family farm, raising small grains near Finley, ND. This project will realize $10,767 per year in savings and will replace 234,223 kWh (56%) per year, which is enough electricity to power 21 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH DAKC	PRAIRIE PLAINS SAFETY SERVICES, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	6,065	0	This Rural Development investment will be used for the purchase and installation of a direct use solar heating and cooling system within a new training facility near Breien, ND. Prairie Safety Services, Inc services as a locally owned and operated commercial/industrial job training consultant. This project will realize $4,774 per year in savings, and will replace 86,080 kWh (73%) per year, which is enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH DAKC	SAUVAGEAU, JOE	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/28/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a more energy efficient grain dryer. Joe Sauvageau operates a family farm, raising small grains near Ellendale, ND. This project will realize $4,877 per year in savings and will replace 126,248 kWh (73%) per year, which is enough electricity to power 11 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH DAKC	SCHRADER, DONALD	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/19/19	0	87,430	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a more energy efficient grain dryer. Donald Schrader operates a family farm, raising small grains near Adrian, ND. This project will realize $29,395 per year in savings and will replace 535,110 kWh (51%) per year, which is enough electricity to power 49 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH DAKC	STEFFES, CALVIN	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/28/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a more energy efficient grain dryer. Calvin Steffes operates a family farm, raising small grains near LaMoure, ND. This project will realize $10,981 per year in savings and will replace 211,953 kWh (53%) per year, which is enough electricity to power 19 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH DAKC	TIEGS, JAMES	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/28/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a more energy efficient grain dryer. James Tiegs operates a family farm, raising small grains near Ellendale, ND. This project will realize $16,634 per year in savings and will replace 401,576 kWh (35%) per year, which is enough electricity to power 37 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
NORTH DAKC	TRIBAL NATIONS RESEARCH GROUP	RBOG	RBCS BUSINESS OPPORTUNITY REAP ZONE GRANTS	08/01/19	0	51,577	0	This Rural Development investment will be used to complete a feasibility study for a commercial greenhouse to be located on the Turtle Mountain Reservation. The study will examine the infrastructure, skilled labor needs, market analysis and projected return on investment for the commercial greenhouse.
NORTH DAKC	TURTLE MT. BAND OF CHIPPEWA	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	08/01/19	0	109,821	0	This Rural Development investment will be used to provide technical assistance through training, workshops, and hands-on-technical assistance to entrepreneurs that will result in the creation of new emerging businesses to improve the economy on the Turtle Mountain Reservation. The technical assistance will focus on providing the necessary tools to help entrepreneurs start and expand micro businesses. The project will include micro and small business workshops that will provide an entrepreneurship training program. The project is anticipated to assist 20 entrepreneurs.

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NORTH DAKO	YAGOW FARMS, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/28/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a more energy efficient grain dryer. Yagow Farms, Inc. operates as a family farm, raising small grains near Milnor, ND. This project will realize $12,254 per year in savings and will replace 182,059 kWh (48%) per year, which is enough electricity to power 16 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	AGRI-SLUDGE, INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	49,950	0	This Rural Development investment will be used for the purchase and installation of a 127.74 kW solar array. Agri-Sludge owns and operates a full service bio-solids management company and realize $14,810 per year in savings and will replace 153,118 kWh (88%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	ANTHONY, MARK	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/22/19	0	22,125	0	This Rural Development investment will be used for the purchase and installation of an energy efficiency Grain Dryer. Kahle Bros Farms owns and operates a grain operation and realize $12,763 per year in savings, and will replace 88,100 kWh (91%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	ANTWERP HOLDINGS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/07/18	2,110,000	0	0	This Rural Development loan guarantee investment will be used for debt refinance, real estate improvements, and working capital. The borrowers are a real estate holding company and assisted care facility operator. This loan will save 48 jobs.
OHIO	APPALACHIAN CENTER FOR ECONOMIC - ACENET	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	97,169	0	This is a TA buiness training series to improve the economic conditions of Athens, Meigs and Morgan County communities and strengthen inclusive entrepreneurial ecosystems that serve the unique needs and opportunites to all residents.This program is also geared to those that are recovering or re-entering society/workforce in rural appalachia. THis will be acomplished in two ways, the first being intensive technical assistance and by creating new community capital strategies.
OHIO	BABAR INVESTMENTS, INC	BI	GUARANTEED B&I 3% FEE LOAN	06/17/19	6,150,000	0	0	This Rural Development loan guarantee investment will be used to purchase an existing Holiday Inn Express in Zanesville, Ohio. This loan will provide continued employment for the current 31 employees. It will allow the facility to provide accommodations for business persons who may need to visit local industries and provides for continued tax basis for the region.
OHIO	BG HOTEL, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/28/18	9,035,000	0	0	This Rural Development loan guarantee investment will be used to construct a 107-room, 5-story Home2 Suites Hotel by Hilton. The new hotel will create 22 new jobs. The owner is injecting $2,814,975(24%) in leveraged funds. The hotel will be in an area that meets the rural poverty target strategy.
OHIO	BRILL, GARY L.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	23,792	0	This Rural Development investment will be used for the purchase and installation of a 37.62 kW solar array. Gary Brill owns and operates a hog farm that will realize $5,194 per year in savings, and will replace 44,016 kWh (70%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	CIFT	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	130,058	0	The funds will be used to investigate and evaluate the potential for development of a bioeconomy in the counties within Ohio which drain into the West Basin of Lake Erie through the Maumee River watershed. This will be accomplished in 5 ways. First by identifying and analying business opportunites for access to capital and workforce training. Secondly, to identify, train, and provide technical assistance. Thirdly, assist in the creation of new rural businesses related to advancing the bioeconomy. Fourthly, conducting local community and multi-county economic development planning. Lastly, establishing centers for training, technology and trade.
OHIO	CLEM&THYME NUTRITION	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/07/19	0	7,391	0	This Rural Development investment will be used for the purchase and installation of an 10.95kW solar array. Clem&Thyme Nutrition is a nutrition company that will realize $2,211 per year in savings, and will generate 15,087 kWh per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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OHIO	COMMUNITY ACTION	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/26/19	0	12,719	0	
OHIO	CULTIVATE	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	69,248	0	The project will use funds to enhance the business incubator technical assistance services provided in London, OH in collaboration with the Chamber, the county and city CICs, and other economic development agencies. They aim to create 4 and save 10 jobs.
OHIO	DILTS, ERIC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/15/19	0	5,000	0	This Rural Development investment will be used for the purchase and installation of a 6.21kW solar array. Eric Dilts is a family-run grain farm and production of maple syrup that will realize $1,256 per year in savings, and will replace 7,526 kWh (87%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	ECONOMIC & COMMUNITY DEVELOP INSTITUTE	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/27/19	0	91,259	0	Funds will be used to provide technical assistance to micro loan borrowers in the RMAP portfolio
OHIO	ECONOMIC DEVELOPMENT & FINANCE ALLIANCE	BI	GUARANTEED B&I 3% FEE LOAN	05/17/19	1,296,000	0	0	EDFA owns and operates warehousing space and manufacturing space in Dover and New Philadelphia, OH. The purchase of this building will increase their available space for lease to manufacturing businesses in the area. EDFA also provides fulfillment services for the area businesses alleviating this responsibility from the manufacturers.
OHIO	ENCOMPASS-E, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	77,500	0	This Rural Development investment will be used for the purchase and installation of a 273.6kW solar array. Encompass-e operates a custom energy solution business in Lebanon, Ohio. The business will see a savings of $56,861 per year in savings, and will replace 334,480 kWh (90%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	FEHRVIEW MEADOWS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/19/19	0	8,517	0	This Rural Development investment will be used for the purchase and installation of an 14.52kW solar array. Fehrview Meadows is an event space called The Barn that will realize $2,737 per year in savings, and will generate 16,895 kWh per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	FENSTERMAKER FARMS, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/23/19	0	24,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Fenstermaker Farms, Inc. is a family owned farming corporation that grows oilseeds, grains and livestock at its facility in Leipsic, OH. This project will realize $24,514 per year in savings, and will reduce electric energy consumption by 50,031kWh (48%) per year and propane consumption by 15,354 gallons (45%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	G & G GRAIN AND LIVESTOCK LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	48,630	0	This Rural Development investment will be used for the purchase and installation of solar array for two locations 44.55kw and 47.86kw for energy savings for their hog barns. Zach Guthrie of G&G Livestock and Grain owns a farming operation that raises hogs at its facility in Muskingum County, Ohio . This project will realize $11,818 per year in savings and with an overall 78% savings. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	GARY W. BACH & DEBORAH L. JOHLIN-BACH	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/15/19	0	6,482	0	This Rural Development investment will be used for the purchase and installation of a 20.1kW solar array. Gary Bach and Deborah Johlin-Bach own a family-run grain farm. This solar array will realize $2,056 per year in savings, and will replace 15,617 kWh (100%) per year of the farm's energy consumption. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations

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OHIO	GEIGER, TIMOTHY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	49,639	0	This Rural Development investment will be used for the purchase and installation of a 89.7 kW solar array. Prairie Valley Farms owned by Timothy Geiger owns and operates a chicken boiler grow out facility and realize $15,033 per year in savings, and will replace 115,536 kWh (63%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	GROW HIGHLAND COUNTY	RBEG	RBCS ENTERPRISE GRANTS	07/31/19	0	34,199	0	The grant will focus on the support of, and assistance to small business in Highland County that are considering starting up or wishing to grow and expand their business. The services will be offered by using an Enterprise Facilitator. This involves matching clients will volunteers who have expertise in the area needed by the client.
OHIO	HP REAL ESTATE HOLDINGS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	42,200	0	This Rural Development investment will be used for the purchase and installation of a 76.7kW solar array. HP Real Estate Holdings, a lessor of nonresidential buildings, will realize $10,344 per year in savings, and will replace 86,200 kWh (58%) per year. This project will save enough electricity to power nearly 8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	J & R FARMS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	8,443	0	This Rural Development investment will be used for the purchase and installation of a 26.65kW solar array. J & R Farms is a corn, soybean, and wheat farming operation that will realize $3,156 per year in savings, and will replace 23,589 kWh (100%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	JANNAT INVESTMENTS, INC.	BI	GUARANTEED B&I 3% FEE LOAN	11/30/18	4,525,000	0	0	This Rural Development loan guarantee investment will be used to acquire a Holiday Inn Express in Cambridge, Guernsey County, OH. The acquisition will save 25 jobs. The hotel is located in an area that meets the rural poverty target strategy and is in a Strike Force county.
OHIO	K K & E ENTERPRISES, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	49,975	0	This Rural Development investment will be used to make renewable energy improvements with the purchase and installation of a 139.86kw solar array. KK&E Enterprises owns a chicken operation in Alliance, Ohio. This project will realize $19,568 per year in savings and with an overall 97% savings. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	KAHLE BROS. FARMS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	41,345	0	This Rural Development investment will be used for the purchase and installation of a 66kW solar array. Kahle Bros Farms owns and operates a grain operation and realize $12,763 per year in savings, and will replace 88,100 kWh (91%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	KAUTILYA BERKSHIRE HOTEL, LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/19/19	2,324,000	0	0	
OHIO	KIRACOFE, JAMES	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/15/19	0	4,344	0	This Rural Development investment will be used for the purchase and installation of a 15.87kW solar array. James Kiracofe owns a family-run grain farm. This solar array will realize $1,002 per year in savings, and will replace 7,314 kWh (79%) per year of the farm's energy consumption. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	LAUKHUF, CHRISTOPHER M.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/15/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 66kW solar array. Christopher Laukhuf owns several businesses including trucking business, farming operation and real estate rental operation. This solar array will realize $10,185 per year in savings, and will replace 88,566 kWh (57%) per year of the business's energy consumption. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	LEISTER LEGACY LIMITED	BI	GUARANTEED B&I 3% FEE LOAN	11/28/18	2,300,000	0	0	This Rural Development loan guarantee investment will be used to acquire a sand quarry in Howard, Knox County, OH. The acquisition will save 9 jobs with better than average wages and benefits to continue in a small rural community.

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OHIO	MATTHEWS, JEFFREY C	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/22/19	0	29,356	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Jeff Matthews owns a family farming operation that grows oilseeds, grains and livestock at its facility in Ohio City, OH. This project will realize $2,563 per year in savings, and will reduce electric energy consumption by 11,319kWh (87%) per year and propane consumption by 1,025 gallons (29%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	MEDINA HUNTINGTON R.E. GROUP II LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	31,418	0	This Rural Development investment will be used for the purchase and installation of a 149kW solar array and a 300,000 btu capacity solar thermal array. Medina Huntington R.E. Group II owns and operates an assisted living memory care facility in Medina, OH. The solar PV units are expected to generate 194,849 kWh of electricity while the Solar Thermal will generate the equivalent of 12,045 therms of natural gas. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	MEDINA HUNTINGTON R.E. GROUP LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	31,418	0	This Rural Development investment will be used for the purchase and installation of a 149kW solar array and a 300,000 btu capacity solar thermal array. Medina Huntington R.E. Group owns and operates an assisted living memory care facility in Medina, OH. The solar PV units are expected to generate 194,849 kWh of electricity while the Solar Thermal will generate the equivalent of 12,045 therms of natural gas. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	MOORE, MARCUS L	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	3,214	0	This Rural Development investment will be used for the purchase and installation of an 6.93kW solar array. Marcus Moore runs a book distribution company, MDC, that will realize $1,026 per year in savings, and will generate 7,127 kWh per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	NIRDHUM INC.	BI	GUARANTEED B&I 3% FEE LOAN	11/30/18	1,127,000	0	0	This Rural Development loan guarantee investment will be used to refinance a Days Inn Hotel in Cambridge, Guernsey County, OH. The new hotel will save 20 jobs. The hotel is located in an area that meets the rural poverty target strategy and is in a Strike Force county. The hotel is woman-owned.
OHIO	NORTHERN OHIO TRUCK CENTER	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	26,900	0	This Rural Development investment will be used for the purchase and installation of a 49kW solar array. Northern Ohio Truck Center owns and operates Mack Dealership in Norwalk Ohio. The business will see a savings of $7,372 per year in savings, and will replace 58,055 kWh (90%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	OHIO HILL COUNTRY HERITAGE AREA	RBOG	RBCS DEVELOPMENT GRANT	07/30/19	0	96,000	0	Funds will be used to identify and analyze business opportunities that will use local rural materials or human resources. This includes opportunities in export markets, as well as feasibility and business plan studies. Their will be partners that will provide the business and and analysis and venture development services in support of these business opportunities.
OHIO	OHIO UNIVERSITY	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	75,560	0	Funding will be used for direct business-specific technical assistance to to product based businesses. This will be accomplished through direct one-on-one technical assistance with business plan and pitching prearation; business skills training; and matchmaking with with mentors/coaches to guide them.
OHIO	RACCOON CREEK FARMS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/15/19	0	11,060	0	This Rural Development investment will be used for the purchase and installation of a 18.4kW solar array. Raccoon Creek Farms LLC is a hydroponic greenhouse producing lettuce and other greens for a local market. This solar array will realize $2,737 per year in savings, and will replace 22,813 kWh (40%) per year of the farm's energy consumption. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations

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OHIO	RED BARN FARMS ENTERPRISES, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/23/19	0	20,842	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Jennifer Barrett is a managing member of farming operation that grows grains at its facility in Rockford, OH. This project will realize $7,575 per year in savings and with an overall 74.8% savings. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	RED ROCK FARMS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/07/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 55.93kW solar array. Red Rock Farms is a chicken egg production farm that will realize $8,785 per year in savings, and will replace 72,011 kWh (117%) per year or the equivalent of more than 6 households. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	RETREAT HOSPITALITY, INC.	BI	GUARANTEED B&I 3% FEE LOAN	03/04/19	5,475,000	0	0	This Rural Development loan guarantee investment will be used to purchase and renovate and existing Holiday Inn Express in Holiday City, Ohio. This loan will provide continued employment for the current 21 employees. It will allow the facility to provide accommodations for business persons who may need to visit local industries and provides for continued tax basis for the region.
OHIO	RNR ENTERPRISES	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	47,850	0	This Rural Development investment will be used for the purchase and installation of a 133.65kW solar array. RNR Enterprises is a family-run millwork operation that will realize $17,966 per year in savings and will replace 138,206 kWh (17%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	ROGERS, HAL E	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/22/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 47kW solar array. Hal Rogers is a grain farmer along with a custom swine finishing operation that will realize $6,171 per year in savings, and will replace 63,686 kWh (103%) per year or the equivalent of more than 4 households. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	ROSEVILLE VILLAGE OF	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	492,184	0	Funds will be use to complete a grocery and eatery as part of a downtown revitalization project in Roseville, OH.The last grocery store Roseville had closed in 2007. Roseville is a low income area with 65% below poverty. Many residents have little or no transportation, there it is difficult for there to travel anywhere to a grocery store. Currently the only options are a gas station, pharmacy, food banks and a family dollar store. It is also part of the initiative for projects that support and increase agriculture, forestry, food production, innovative farm technology, agritourism, biotechnology and sustainable forest management. This includes grocery stores.
OHIO	SCHLABACH, NOLAN	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	31,973	0	This Rural Development investment will be used for the purchase and installation of a 65.01 kW solar array. Nolan Schlabach DBA RDB Pork LLC owns and operates a hog barn operation along with grain producer and realize $6,854 per year in savings and will replace 62,313 kWh (75%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	SCHOENLEIN BROTHERS	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/31/19	0	14,661	0	This Rural Development investment will be used to make energy efficiency improvements to two poultry houses in Coldwater and Ft. Recovery, OH. Schoenlein Brothers provides custom housing and management services for raising turkeys in Mercer County. This project will realize $13,801 per year in savings, and will reduce electric energy consumption by 19,381kWh (22%) per year and propane consumption by 11,727 (25%)gallons per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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OHIO	SCHWEINEFARMEN, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/07/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of an 84kW solar array. Schweinefarmen is a custom finishing swine operation that will realize $12,311 per year in savings, and will generate 113,871 kWh per year or the equivalent of more than 10 households. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	SCIOTO PRAIRIE FARMS, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/15/19	0	16,357	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Scioto Prairie Farms, Inc. is a family owned farming corporation that grows oilseeds and grains at its facility in Waynesfield, OH. This project will realize $9,977 per year in savings, and will reduce electric energy consumption by 2,896 kWh (28%) per year and propane consumption by 6,789 (68%)gallons per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	SEGER FARMS, INC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/23/19	0	70,569	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Kenneth Seger owns a family farming operation that grows grains at its facility in Minster, OH. This project will realize $23,784 per year in savings and with an overall 51% savings. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	SGSD CORP	BI	GUARANTEED B&I 3% FEE LOAN	12/19/18	569,000	0	0	This Rural Development loan guarantee investment will be used to purchase all of the vehicles/machinery/equipment from C&C farms buying out the manure hauling business. They also will refinance a loan with Vinton Bank for snow plowing equipment. The business is located in a high unemployment area and it is part of the initiative to support and increase agriculture. The business is woman-owned.
OHIO	SHELLABARGER, ELIZABETH C	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/22/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 47kW solar array. Elizabeth Shellabarger has a custom swine finishing operation that will realize $6,171 per year in savings, and will replace 63,686 kWh (103%) per year or the equivalent of more than 4 households. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	SOUTHEAST OHIO PUBLIC ENERGY COUNCIL	REAR	RENEWABLE ENERGY DEVLP ASSISTANCE GRANTS	03/25/19	0	98,832	0	SOPEC will provide technical assistance and Renewable Energy Site Assessments for up to 106 rural small businesses and agricultural producers during a 12 month period.
OHIO	STALEY, ADAM R	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	7,434	0	This Rural Development investment will be used for the purchase and installation of an 15.18kW solar array. Adam Staley and his wife Kelly run a farm for animal production that will realize $1,684 per year in savings, and will generate 13,914 kWh per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	THE FRONTIER POWER COMPANY	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	05/24/19	0	0	2,000,000	Rural Economic Development loan funds will be used to assist Coshocton Grain build a soybean processing plant to produce soybean meal for sale to area livestock producers and soybean oil for sale to bio-diesel producers. RED Loan funding will be used as supplemental funding for a loan from Farm Credit Services to complete the project.
OHIO	THE OHIO STATE UNIVERSITY	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/23/19	0	199,925	0	The focus of this application is to provide technical assistance to cooperatives, and business participating in food system development. Training on new cooperative models will be provided for various stakeholders.
OHIO	TIETJE BROTHERS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	19,975	0	This Rural Development investment will be used for the purchase and installation of a 35kW solar array. Tietje Brothers Farms operate a family-run grain and oilseed farm. This solar array will realize $5,884 per year in savings, and will replace up to 49,000 kWh (100%) per year of the farm's energy consumption. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations

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OHIO	TIM IMMEL CONSTRUCTION LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/15/19	0	4,257	0	This Rural Development investment will be used for the purchase and installation of a 3.3kW solar array. Tim Immel Construction, LLC provides construction services and snow removal for area businesses and residents. This solar array will realize $534 per year in savings, and will replace 3,875kWh (67%) per year of the business's energy consumption. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
OHIO	UNIVERSITY OF AKRON RESEARCH FOUNDATION	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	58,582	0	Funding will be used for technical assistance for small, agricultural-related, and small technology companies, which will enhance rural economies and rural environments. The project will seek to mazimize the environmental and industrial benefits to help teach biological approaches to environmental controls, with the ability to use the resulting biomass to develop new bio-based products.
OHIO	VALLERY, MICHAEL S	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/22/19	0	36,518	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Michael Vallery owns a family farming operation that grows grains and livestock at its facility in South Solon, OH. This project will realize $3,076 per year in savings, and will reduce electric energy consumption by 11,319kWh per year and propane consumption by 1,112 gallons per year, with an overall 42.5% savings. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations
OHIO	WILLIAM WESLEY CARNES, SR., INC.	BI	GUARANTEED B&I 3% FEE LOAN	08/16/19	2,080,000	0	0	The Business & Industry Loan Guarantee funding will be used to help the business expand by providing funds for the purchase of machinery & equipment which will be rented to oil and gas drillers to improve the efficiency of the drillers operation. Byline Bank will be the lender who is providing the credit.
OKLAHOMA	@LINK SERVICES LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/25/19	24,000,000	0	0	This Rural Development loan investment will help finance new equipment and access points for a wireless broadband company. The expansion will consist of constructing new towers to provide services in underserved areas of rural Oklahoma.
OKLAHOMA	777 HOLDINGS LLC	BI	GUARANTEED B&I 3% FEE LOAN	06/07/19	5,000,000	0	0	This Rural Development loan investment will provide funding to purchase an existing salt water disposal facility in Velma, OK. The facility being purchased includes two disposal wells as well as all equipment and assets. This investment supports a rural work-force by retaining thirty-seven local jobs.
OKLAHOMA	AGASI MAA INN, INC.	BI	GUARANTEED B&I 3% FEE LOAN	04/16/19	3,974,645	0	0	This Rural Development loan investment will refinance 2 existing SBA loans for a 71 room La Quinta hotel in Elk City, Beckham County, Oklahoma. Elk City has a population of 11,555. This project will support a rural workforce by saving 15 jobs.
OKLAHOMA	BARAY ENTERPRISES, INC. DBA NANCE PRECAS	BI	GUARANTEED B&I 3% FEE LOAN	09/23/19	900,000	0	0	This Rural Development Loan investment will finance the expansion for a company that produces concrete manholes: curb inlets, drop inlets, and box type forms used by municipalities, ODOT, Turnpike authority, military and private developers in their development sanitary and sewer projects.
OKLAHOMA	CHEROKEE NATION OF OKLAHOMA	SSDPG	PERSISTENT POVERTY GRANTS TO ASSIST MINORITY PRODUCERS	09/23/19	0	95,399	0	This Rural Development investment will be used to fund technical assistance to socially disadvantaged cooperatives within the Cherokee Nation. These cooperatives will receive multifaceted community tourism development technical assistance. Thirty-five cooperatives will be assisted with these funds.
OKLAHOMA	CHEROKEE NATION OF OKLAHOMA	RBOG	RBCS DEVELOPMENT GRANT	07/23/19	0	63,000	0	This Rural Development investment will provide funding for the Cherokee Nation Small Business Assistance Center to complete technical assistance and education in the areas of entrepreneurship and leadership for the Cherokee Nation area in Northeast Oklahoma. The SBAC operates programs to improve the quality of life for these residents through this type of training and education. Over the course of the training, SBAC believes that they will create and/or retain a total of 30 community based jobs.
OKLAHOMA	CHEROKEE NATION OF OKLAHOMA	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/23/19	0	60,680	0	This Rural Development investment will be used to fund technical assistance to socially disadvantaged cooperatives within the Cherokee Nation. These cooperatives will receive multifaceted community tourism development technical assistance. Thirty-five cooperatives will be assisted with these funds.

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OKLAHOMA	ELM POINTE CS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	05/13/19	5,000,000	0	0	This Rural Development loan investment will provide financing for a newly constructed strip mall and office warehouse in Bixby, OK. Two jobs will be created with this project and twelve small businesses will benefit from these new buildings and lease options for their business. This strip mall and office warehouse complex is fully leased to a variety of tenants in an area of rural Oklahoma that is seeing recent economical growth.
OKLAHOMA	FLEX-CHEM HOLDING COMPANY, LLC	BI	GUARANTEED B&I 3% FEE LOAN	05/14/19	7,500,000	0	0	This Rural Development loan investment will finance construction for an oilfield service/well treatment business in El Reno, Canadian County, Oklahoma. El Reno has a population of 16,749. This project will support a rural workforce by saving 58 jobs and creating 49 jobs
OKLAHOMA	GREEN PARK PROPERTIES LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/30/19	0	237,500	0	This Rural Development investment will provide renewable solar energy updates to a RV Park and Campground in Pauls Valley, Oklahoma.
OKLAHOMA	HARRAH FALL CREEK, LLC	BI	GUARANTEED B&I 3% FEE LOAN	01/28/19	2,050,000	0	0	This Rural Development investment will be used to construct a 15,000 square foot retail shopping center in Harrah, OK. The site will be leased to 4 businesses and once leased will create 16 new jobs. The owner and guarantor is a recipient of multiple B & I loans and is an experienced real estate developer.
OKLAHOMA	HENSLEY, PATRICK J	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/30/19	0	17,595	0	This renewable energy investment will all grantee to install energy efficient solar PV system in his restaurant in Idabel, Oklahoma. This investment will assist one small business.
OKLAHOMA	NEO METALS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/15/19	405,000	0	0	This Rural Development investment will refinance an existing loan used to start a metal fabrication business in the rural community of Grove, OK. The business fabricates and erects metal buildings of all types including, farm buildings, commercial buildings, and churches. The construction and fabrication is done by local contract employees as needed.
OKLAHOMA	OKLAHOMA ORDNANCE WORKS AUTHORITY	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	497,000	0	This Rural Development investment will purchase equipment to lease to the Cherokee Nation Aerospace and Defense, located in Pryor, Oklahoma. This investment will support a rural workforce by creating up to 15 jobs and saving two jobs in Mayes County which is a designated opportunity zone.
OKLAHOMA	PARK 151 CS LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/21/19	3,600,000	0	0	This Rural Development investment will be used to finance construction on two 13,500 square foot retail shopping centers in Glenpool, OK. Each building will be occupied by upscale restaurants and retail shopping space. Demand for shopping and restaurants has increased due to the newly opened hospital in the area.
OKLAHOMA	PARK 151 OFFICE SUITES, LLC	BI	GUARANTEED B&I 3% FEE LOAN	06/07/19	4,050,000	0	0	This Rural Development loan investment will provide financing to construct an office complex. The site will consist of 5 buildings in Glenpool, OK. The facility will provide locations for 5 small professional businesses. Demand has increased due to a newly opened hospital in the vicinity.
OKLAHOMA	ROLL-OFFS OF AMERICA, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/30/19	0	27,331	0	
OKLAHOMA	SALAZAR-SMITH, DEBORAH S	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/30/19	0	12,154	0	Install large solar PV system for small cabin rental business.
OKLAHOMA	SOUTHWEST INTERMEDIARY FINANCE TEAM, I	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	90,000	0	This Rural Development investment will be used to purchase specialized cancer screening equipment to lease to a dental office in Hinton, OK. This dental office serves a diverse population in Caddo County and by having access to this specialized equipment, this practitioner will be able to provide more services and increase the quality of life in this rural area.
OKLAHOMA	THA HOSPITALITY, LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/21/19	7,040,000	0	0	This Rural Development loan guarantee investment will be used to finance construction on a 90-room Tru by Hilton Hotel in the rural community of Tahlequah, Oklahoma. The project is located in a Persistent Poverty County (Cherokee) This project will support a rural workforce by creating several jobs.
OKLAHOMA	WOODSHED OF BIG CABIN LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/30/19	0	49,750	0	This Rural Development investment will provide renewable solar energy upgrades to a convenience store/truck stop in Big Cabin, Craig County, Oklahoma. This investment will result in energy savings for this small business.
OREGON	1188 BREWING COMPANY	BI	GUARANTEED B&I 3% FEE LOAN	05/07/19	416,175	0	0	The purpose of the funds is a refinance of existing real estate and equipment debt in rural John Day, OR.
OREGON	7 DEVILS BREWING CO	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/26/19	0	11,259	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 10.36 kW solar array. This project will realize $1,124 per year in savings, and will replace 12,484 kWh (9%) per year, which is enough electricity to power 1 home.

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OREGON	A-1 HERMISTON, LLP	BI	GUARANTEED B&I 3% FEE LOAN	02/26/19	9,472,500	0	0	Funds will be used for the construction of a new hotel in Hermiston, Oregon. The new hotel is expected to create 21 jobs.
OREGON	ASHLAND COMMUNITY SOLAR 1 LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/22/19	0	33,287	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 34 kW solar array. This project will realize $7,501 per year in savings, and will replace 75,312 kWh (100%) per year.
OREGON	ASTORIA COOPERATIVE	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	08/02/19	0	47,824	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 62.4 kW solar array. This project will realize $5,791 per year in savings, and will replace 68,940 kWh (49%) per year.
OREGON	BIODYNAMICS, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/20/19	6,750,000	0	0	This Rural Development funds loan guarantee will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. BioDynamics of Oregon is a pellet mill manufacturing business. Project funds will be used to make energy efficiency improvements with the purchase and installation of Biomass Boiler and Kahl Dryer and Pellet Mill. The feedstock for the boiler will be Woody material. This project will realize $3,150,000 per year in gross receipts, and will produce 309,600,000,000 BTU per year.
OREGON	BIODYNAMICS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/27/19	5,000,000	0	0	This Rural Development funds loan guarantee will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. BioDynamics of Oregon is a pellet mill manufacturing business. Project funds will be used to make energy efficiency improvements with the purchase and installation of Biomass Boiler and Kahl Dryer and Pellet Mill. The feedstock for the boiler will be Woody material. This project will realize $3,150,000 per year in gross receipts, and will produce 309,600,000,000 BTU per year.
OREGON	BLUE LINE FARMS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/11/19	0	31,651	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 82.8 kW solar array. This project will realize $8,612 per year in savings, and will replace 86,120 kWh (94%) per year, which is enough electricity to power 8 homes.
OREGON	BRAD R GRAFF	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/31/19	0	2,253	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of greenhouse equipment. This project will realize $864 per year in savings, and will replace 7,200 kWh (100%) per year, which is enough electricity to power 1 home.
OREGON	BRENT RICHARD WAGSTAFF	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	12,440	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 24.9 kW solar array. This project will realize $4,013 per year in savings, and will replace 36,956 kWh (47%) per year.
OREGON	CENTRAL OR INTERGOV COUNCIL	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	50,000	0	The Central Oregon Wholesale Expansion project will assist 14 small, rural farmers and ranchers to access new wholesale market channels, increase current revenue from wholesale sales, and further develop the volume of local food supply available in the region. COIC will accomplish these goals through product and service improvements for current wholesale suppliers, market research to develop a framework for backhaul opportunities to new markets outside of Central Oregon, and technical assistance to wholesale producers in the form of a full-time regional Wholesale Production Coordinator. The outcomes of this project will not only support increased annual revenues for existing farmers and ranchers, but also lower barriers to entry for local producers who would like to begin selling to wholesale markets in the future.

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OREGON	CIRCLE H FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	5,184	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 7.4 kW solar array. This project will realize $782 per year in savings, and will replace 8,688 kWh (98%) per year.
OREGON	CITY CENTER HOSPITALITY, LLC.	BI	GUARANTEED B&I 3% FEE LOAN	07/23/19	8,470,000	0	0	Guarantee provided on financing construction of a new hotel facility in an Oregon Coastal Rural Community.
OREGON	COMMUNITY LENDINGWORKS	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/30/19	0	4,276	0	Grant Assistance to rural communities to provide technical assistance and access to capital.
OREGON	DAVID FRED GROSSEN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	8,328	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 20 kW solar array. This project will realize $2,900 per year in savings, and will replace 23,384 kWh (80%) per year.
OREGON	ECOTRUST	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	97,000	0	The proposed grant funds will help expand Ag/Fish of the Middle which is a hands-on technical assistance and business development business accelerator program designed to cultivate an active cohort of successful, independent, mid-sized farmers, ranchers, and fishermen across rural Oregon and the greater Pacific Norwest. RBDG funds will be used to launch this program with 5-7 farming, ranching, and fishing businesses into a new 2019 accelerator cohort. The Project will support the development of small and emerging private business enterprises in rural areas
OREGON	FLORENCE CITY OF	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	40,000	0	The proposed grant funds will be used by the City of Florence to contract with a non-profit, Regional Accelerator & Innovation Network (Oregon RAIN) to scale an already proven program, Oregon RAIN's Rural Entrepreneurial Development Model, that is delivered by a Venture Catalyst. Oregon RAIN offers face to face meetings with individual entrepreneurs to provide coaching and access to appropriate resource (training, funding opportunities, etc.), workshops, hosting a"pitch-fes" in one of the member cities. This network project features education specific to start-ups, existing and expanding businesses in search of funding opportunities. The Project will support the development of small and emerging private business enterprises in rural areas
OREGON	GURU HOSPITALITY, LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/26/19	3,261,400	0	0	
OREGON	HILLOCK INSURANCE, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	4,470	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 14.64 kW solar array. This project will realize $1,863 per year in savings, and will replace 17,573 kWh (85%) per year.
OREGON	HILLOCK'S SOLAR LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/11/19	0	26,145	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 34 kW solar array. This project will realize $4,514 per year in savings, and will replace 63,299 kWh (105%) per year.
OREGON	INTEGRATED BIOMASS RESOURCES	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/18/19	0	2,655	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting. This project will realize $2,174 per year in savings, and will replace 28,312 kWh (%) per year, which is enough electricity to power 2 homes.
OREGON	J&S SPEEDY MART, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/30/19	0	15,435	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 25 kW solar array. This project will realize $5,631 per year in savings, and will replace 40,222 kWh (30%) per year, which is enough electricity to power 4 homes.

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OREGON	KIGER ISLAND BLUES, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/18/19	0	11,010	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 23 kW solar array. This project will realize $3,217 per year in savings, and will replace 25,104 kWh (93%) per year, which is enough electricity to power 2 homes.
OREGON	KLAMATH LAKE REGIONAL HOUSING CENTER	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/30/19	0	6,152	0	
OREGON	KLAMATH TRIBES, THE	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	08/14/19	0	89,605	0	USDA Rural Development grant funds will be used by The Klamath Tribe to develop a life skills and food preservation incubator through an entrepreneurship initiative that will assist in the development of small business opportunities. Provide computer literacy and technical assistance and explore the feasibility of creating a commercial kitchen incubator in the tribal community that will allow tribal entrepreneurs to have access to a space for the production of value-added goods and services. This project is expected to create 20 new jobs.
OREGON	LA BASTIDE BED AND BREAKFAST	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	9,978	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. La Bastide is a bed and breakfast. Project funds will be used for the purchase and installation of a 20.5 kW solar array. This project will realize $3,096 per year in savings, and will replace 24,773 kWh (79%) per year, which is enough electricity to power 2 homes.
OREGON	LEWIS & CLARK COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	2,341	0	USDA Rural Development grant funds will be used by The Small Business Legal Clinic (SBLC) to provide up to ten hours of one-on-one technical legal transactional assistance to 65 businesses who are just starting or in the early growth years. Additionally, the SBLC will provide legal education to 60 small businesses through six legal presentations. This support will provide a solid legal foundation from which the business can grow with a reduced risk to legal problems impacting or closing the business. The SBLC will be working with reservations and other non-profits who focus on Native entrepreneurs. Rural Native entrepreneurs will own 75% or more of the businesses served in this program. This project is expected to create 20 new jobs.
OREGON	LEWIS & CLARK COLLEGE	RBOG	RBCS DEVELOPMENT GRANT	07/30/19	0	41,000	0	USDA Rural Development grant funds will be used by The Small Business Legal Clinic (SBLC) to provide up to ten hours of one-on-one technical legal transactional assistance to 65 businesses who are just starting or in the early growth years. Additionally, the SBLC will provide legal education to 60 small businesses through six legal presentations. This support will provide a solid legal foundation from which the business can grow with a reduced risk to legal problems impacting or closing the business. The SBLC will be working with reservations and other non-profits who focus on Native entrepreneurs. Rural Native entrepreneurs will own 75% or more of the businesses served in this program. This project is expected to create 20 new jobs.
OREGON	MICRO ENTERPRISE SERVICES OF OREGON	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/30/19	0	7,542	0	Loan and Grant assistance to support access to capital for rural areas in OR.
OREGON	MID-VALLEY FARMS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/11/19	0	123,206	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 248 kW solar array. This project will realize $23,700 per year in savings, and will replace 292,600 kWh (76%) per year, which is enough electricity to power 27 homes.
OREGON	MODERN BUILDING SYSTEMS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/26/19	0	49,863	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 90.9 kW solar array. This project will realize $10,298 per year in savings, and will replace 102,975 kWh (19%) per year.
OREGON	MOONLIGHT FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	6,885	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 9.8 kW solar array. This project will realize $1,116 per year in savings, and will replace 11,161 kWh (94%) per year.

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OREGON	MOUNTAIN VIEW MOTEL & RV PARK, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/18/19	0	8,077	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Bottoms Project funds will be used for the purchase and installation of a 9.8 kW solar array. This project will realize $1,395 per year in savings, and will replace 12,682 kWh (9%) per year, which is enough electricity to power 1 home.
OREGON	NUMU ALLOTTEE ASSOCIATION	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	08/14/19	0	50,000	0	USDA Rural Development grant funds will be used by The Numu Allottee Association (NAA) to provide technical assistance to the E' Numu Diip (END) Cooperative and small businesses who have submitted support letters as part of forming the team, in order to conduct local community economic development planning with the Burns Paiute Indian Reservation, Harney County, and the City of Burns communities that are impacted and will impact the E' Numu Diip Demonstration Project. This project is expected to create 5 jobs.
OREGON	NW BEND BOATS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/11/19	0	37,899	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Bottoms Up is a family owned brewery. Project funds will be used for the purchase and installation of a 250 kW solar array. This project will realize $27,844 per year in savings, and will replace 278,440 kWh (94%) per year, which is enough electricity to power 26 homes.
OREGON	OR-PARK STREET SOLAR LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	39,089	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 66 kW solar array. This project will realize $7,446 per year in savings, and will replace 70,918 kWh (67%) per year.
OREGON	OREGON TRAIL ELECTRIC COOPERATIVE, INC.	REAR	RENEWABLE ENERGY DEVLP ASSISTANCE GRANTS	03/27/19	0	80,000	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to conduct approximately 25 energy audits or solar renewable energy site assessments for rural small businesses and agricultural producers throughout the state of Oregon.
OREGON	PASTA PIATTI, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/22/19	0	15,808	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 26.3 kW solar array. This project will realize $4,215 per year in savings, and will replace 38,322 kWh (34%) per year, which is enough electricity to power 2 homes.
OREGON	PIONEER MICRO FUND NETWORK	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/30/19	0	10,820	0	0
OREGON	RAIN	RBEG	RBCS ENTERPRISE GRANTS	09/06/19	0	49,000	0	Grant funds will be used by Regional Accelerator & Innovation Network (Oregon RAIN)for an already proven program, Oregon RAIN's Rural Entrepreneurial Development Model, that is delivered by a Venture Catalyst. The project will focus on the following cities: Oakridge, Lowell, Veneta, Coburt, Westfir, and Dexter. Oregon RAIN offers face to face meetings with individual entrepreneurs to provide coaching and access to appropriate resource (training, funding opportunities, etc.), workshops, hosting a "Pitch-fest" in one of the member cities This network project features education specific to start-ups, existing and expanding businesses in search of funding opportunities.
OREGON	ROGUE COMMUNITY COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	102,500	0	The proposed grant funds will be used to form The Rogue Innovation Hub which is a joint effort between Rogue Community College and the city of Grants Pass to develop a community makerspace intending to serve local entrepreneurs and provide specialized training to smaller businesses and industries that drive the local economy. The hub will support emerging maker community focused on arts, crafts, and creativity. The Project will support the development of small and emerging private business enterprises in rural areas

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OREGON	SANDAU ENTERPRISES, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/18/19	0	20,000	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 71.3 kW solar array. This project will realize $6,930 per year in savings, and will replace 85,560 kWh (94%) per year, which is enough electricity to power 8 homes.
OREGON	SEASIDE HOTEL PARTNERS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/13/19	7,001,000	0	0	Agency to provide Guarantee on financing of hotel for rural small business in the rural community of seaside Oregon Clatsop county.
OREGON	SPRING HILL ORGANIC FARM, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	10,915	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 24.8 kW solar array. This project will realize $3,062 per year in savings, and will replace 27,130 kWh (38.6%) per year.
OREGON	SPRINTER TRUCKING, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/18/19	0	19,950	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Bottoms Project funds will be used for the purchase and installation of a 46.4 kW solar array. This project will realize $6,671 per year in savings, and will replace 51,323 kWh (___ %) per year, which is enough electricity to power 62 homes.
OREGON	STOLLER VINEYARDS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/26/19	0	117,170	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 179 kW solar array. This project will realize $19,195 per year in savings, and will replace 191,951 kWh (89%) per year, which is enough electricity to power 18 homes.
OREGON	TIMBER COUNTRY UMPQUA, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	78,645	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 149 kW solar array. This project will realize $14,269 per year in savings, and will replace 158,548 kWh (100%) per year.
OREGON	TRE FIGLI VINEYARDS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	19,300	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 24.8 kW solar array. This project will realize $3,666 per year in savings, and will replace 31,065 kWh (89%) per year.
OREGON	UMPQUA VALLEY MILLWORKS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/11/19	0	20,000	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 41 kW solar array. This project will realize $3,455 per year in savings, and will replace 44,870 kWh (104%) per year, which is enough electricity to power 3 homes.
OREGON	UNIVERSITY OF OREGON	REAR	RENEWABLE ENERGY DEVLP ASSISTANCE GRANTS	03/22/19	0	100,000	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used to conduct approximately 41 energy audits or solar renewable energy site assessments for rural small businesses and agricultural producers throughout the state of Oregon.
OREGON	VAZQUEZ, ALBERTO	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	24,001	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 45.5 kW solar array. This project will realize $6,109 per year in savings, and will replace 55,533 kWh (88%) per year.
OREGON	WALLOWA RESOURCES, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	21,000	0	The Wallowa Resources Timber Frame Project will support the development of small timber frame structure manufacturing at two small rural businesses, facilitate value creation for small forest landowners in rural Oregon, and provide additional workload for logging contractors and haulers.

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OREGON	WR COMMUNITY SOLUTIONS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/26/19	0	20,000	0	This Rural Development funds investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 59 kW solar array. This project will realize $5,383 per year in savings, and will replace 48,284 kWh (18%) per year, which is enough electricity to power 3 homes.
PENNSYLVAI	3291 MARKET STREET LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/30/19	6,000,000	0	0	This Rural Development investment will be used to finance the acquisition of a 69 room limited service hotel flagged as a Hampton Inn & Suites in Warren, PA. This investment will also include property improvements required by the Hilton flag. This investment will save 24 jobs in the underserved Warren County. The project financing will also include a borrower contribution of $1,795,000.
PENNSYLVAI	412 FOOD RESCUE, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	90,000	0	This Rural Development investment will help provide working capital to help expand in-demand food distribution services from a local urban area to high poverty rural areas. The expanded services will reach out to 4 counties and 38 housing units served by non-profit charitable organizations. Through an innovative technology-based reverse logistics model, the project aims to fight hunger and promote sustainability and will improve the capacity and services for charitable organizations whose focus is to provide access to nutritious food for low-income, rural populations. It is anticipated that 38 housing units served by 8 charitable organizations will be assisted and 4 jobs will be created.
PENNSYLVAI	ABLE, VIVIAN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/08/19	0	19,972	0	This Rural Development investment will be used to assist the Pheasant Run Farm Bed & Breakfast, which is a stay over for tourist visiting Amish county, in developing renewable energy which will provide 102% of the business' electrical needs which is equivalent to powering 4.3 homes annually.
PENNSYLVAI	ADAMS COMMUNITY TELEVISION	RBOG	RBCS DEVELOPMENT GRANT	07/25/19	0	29,989	0	This Rural Development investment will be used for planning and technical assistance for implementation of broadband infrastructure in Adams County. This project has great potential to not only support existing businesses but also attract new business to the area that requires future proof technology. This project will directly and indirectly create and sustain jobs in the immediate and surrounding areas.
PENNSYLVAI	ADAMS COUNTY ARTS COUNCIL	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	45,750	0	This Rural Development investment will be used to focus on 2 community issues that affect the economic vitality of Adams County: Local Foods and Opioid Addiction. Through a series of public events and educational programs, at the Arts Education Center and at sites around the county, ACAC Cares: Advocate for Fresh & Local Food will advocate for and infuse energy into an eat fresh & local campaign that will generate public awareness and increase local agricultural business product sales. The ACAC Cares: A Conversation on Addiction educational sessions will take place at the Arts Education Center and will consist of a series of public speaker events and workshops in partnership with WellSpan Health and other collaborating behavioral health partners that will impact area rural businesses.
PENNSYLVAI	ADVANCE POLYMER CONTROL, INC.	BI	GUARANTEED B&I 3% FEE LOAN	03/20/19	1,325,000	0	0	This Rural Development investment will be used to refinance existing business debt for a plastics recycling facility. The borrower's current debt matured and refinancing will improve cash flow for the borrower. It is estimated 8 total jobs will be retained.
PENNSYLVAI	ALLIANCE FOR NONPROFIT RESOURCES, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	35,000	0	This Rural Development investment will be used to establish the Enterprise Engine in the underserved Lawrence County. The purpose of this grant request is for support for training and technical assistance, specifically project planning and a market and feasibility analysis towards the development of an agricultural center located in New Castle, PA.
PENNSYLVAI	APPALACHIAN FOOD WORKS	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	10,721	0	The Rural Development Investment will be used to help the Food Hub to develop sales relations and to help the infrastructure go from helping 3 businesses to a total of 14 businesses by the end of the project. This investment will serve Spring Mills and the surround area within State College.
PENNSYLVAI	ARYAS HOSPITALITY, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/30/19	9,950,000	0	0	This Rural Development investment will be used to finance the construction and furnishing of a Homewood Suites in Carlisle, PA. This investment will create 25 jobs in the underserved Cumberland County. The project financing will also include a borrower contribution of $2,493,750.

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PENNSYLVA	BARRY HARRIS DBA NEW HOLLAND VETERINARY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	15,000	0	This Rural Development Investment will be used to purchase and install a 46.58kW roof mounted solar pv system. The solar panels will be installed on the roof of the veterinary hospital. New Holland Veterinary Hospital is located in the rural community of New Holland, Lancaster County, PA. This project will realize and energy savings of $5,330 per year in savings, and will replace 52,252 kWh of electricity per year (59%) which is enough electricity to power 4.8 homes. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVA	BASEHORE, TOM	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/16/19	0	16,812	0	This Rural Development investment will be used for the purchase and installation of a 28.4 kW solar array for a family owned farm in Cumberland County, PA. This project will replace 28,618 kWh (85%) per year and realize $3,719 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVA	BLOOMSBURG CARPET INDUSTRIES INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/08/19	0	4,874.46	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Bloomsburg Carpet Industries Inc. is an existing carpet manufacturer. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the manufacturing facility. This project will realize $20,656 in annual savings and save 322,754kwh of electricity annually.
PENNSYLVA	BRUBAKER, RANDY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/12/19	0	70,000	0	This Rural Development investment will be used to assist The Brubaker Poultry farm to produce 245,198KWh of renewable solar energy using solar panels and will provide 145% of the agricultural producer's electrical needs in Lancaster County, PA. This is enough to power 22.4 homes annually. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations.
PENNSYLVA	BURKHOLDER, GARY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/12/19	0	31,235	0	This Rural Development investment will be used to assist this poultry and crop farm, which serves rural Lancaster Country, PA. This renewable energy project will provide 103% of the farm's electrical needs which is equivalent to powering 6.75 homes annually. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVA	CENTRAL BRADFORD PROGRESS AUTHORITY	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	99,999	0	This Rural Development investment will provide funding for the purchase of equipment associated with the monitoring and integrity of the middle mile dark fiber network being installed. The first phase will consist of 88 miles of fiber in an effort to bring fiber to rural locations.
PENNSYLVA	COUNTY OF WAYNE	RBOG	RBCS DEVELOPMENT GRANT	07/23/19	0	34,767	0	This Rural Development investment will be used to assist Wayne County with obtaining a feasibility study for a potential dairy processing facility within the county. The county is committing $8,800 into the project. The feasibility study will be a critical first step in developing long term relationships between local farmers and processors to both grow milk demand and develop a pricing scheme that provides farmers with more security than the current market allows.
PENNSYLVA	CRAIG BENNETT DBA UTILITY TRAILER MANUFA	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/08/19	0	6,362	0	This Rural Development investment will be used to make energy efficient improvement assisting the Utility Trailer Manufacturing Company install modern LED lighting located in Manheim, PA. This improvement will save the company $4,400 in energy cost and will save 44,033 kWh of electricity per year which is enough electricity to power 4 homes per year.
PENNSYLVA	CUMBERLAND HOSPITALITY HOLDINGS LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/30/19	8,450,000	0	0	This Rural Development investment will be used to finance the purchase of the commercial property identified as a Hampton Inn by Hilton Lebanon located at 1601 E. Cumberland Street, Lebanon, PA 17042. This investment will create 10 jobs and retain 20 jobs in the underserved Lebanon County. The project financing will also include a borrower contribution of $2,200,000.

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PENNSYLVA	CURTIS SNYDER DBA KERCHER ENTERPRISES	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	06/20/19	0	1,984	0	This Rural Development investment will be used to purchase and install 30W LED fixtures. The installation will be in the office and the manufacturing area which is on 11 hours daily. Kercher Industries, located in the rural community of Lebanon, Lebanon County, PA, provides a wide variety of engineering, machining, and fabricating services since 1949. This project will realize an energy savings of 5946 per year and will replace 7,691 kWh of electricity (63%) which is enough electricity to power .70 of a house annually. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVA	DEAN ZOOK DBA SNITZ CREEK CABINET SHOP	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	20,000	0	This Rural Development Investment will be used to purchase and install a 83.2kW roof mounted solar pv system. The solar panels will be installed on the roof of the family owned cabinetry business. Snitz Creek Cabinet Shop is located in the rural community of Lebanon, Lebanon County, PA. This project will realize an energy savings of $10,808 per year, and will replace 89,325 kWh of electricity per year (64%) which is enough electricity to power 8 homes. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVA	DOLAN'S WELDING AND STEEL FABRICATION	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/08/19	0	17,599	0	This Rural Development investment will be used to make energy efficiency improvements by retrofitting a welding facility in Johnstown, PA with LED lighting. The 40,000 sf building will realize $11,046 per year in savings, and will save 100,418 kWh of electricity per year (69.8%), which is enough electricity to power 9 homes.
PENNSYLVA	DR. IBRAHIM SBEITAN D/B/A I&S FARMS, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/14/19	0	15,804	0	This Rural Development Investment will be used to purchase and install a 30kW roof-mounted solar pv system. The solar panels will be installed on a barn roof that houses sheep and farm equipment for I&S Farms, Inc. located in the rural community of New Paris, Bedford County, PA. This project will realize an energy savings of $5,358 per year in savings, and will replace 43,983 kWh of electricity per year (81%) which is enough electricity to power 4 homes
PENNSYLVA	ENTERPRISE DEVELOP. FUND OF ERIE CO. INC	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	99,500	0	This Rural Development Investment will be used to establish a revolving loan fund for the Enterprise Development Fund of Erie County. Funds will be used to maintain a revolving loan fund for lending to businesses in Albion, Lake City Borough, Mckean Borough, Northeast Borough, Springfield Township, Union Township, Union City Borough, Wattsburg Township, and Wesleyville Borough. The ultimate recipients must be small businesses located within the service area. The mission is to provide low interest loan funds to businesses in these distressed communities.
PENNSYLVA	ENTERPRISE DEVELOP. FUND OF ERIE CO. INC	IRP	INTERMEDIARY RELENDING PROGRAM	08/30/19	0	0	337,500	This Rural Development Investment will be used to establish a fourth revolving loan fund for the Enterprise Development Fund of Erie County. Funds will be used to maintain a revolving loan fund for lending to businesses in Crawford and Mercer Counties. The ultimate recipients must be small businesses located within the service area. The mission is to provide low interest loan funds to businesses in the distressed communities of Albion, Union City, Corry, and North East.
PENNSYLVA	FAY-PENN ECONOMIC DEVELOPMENT COUNCIL	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	30,209	0	grant funds are a part of an Annual grant for Technical Assistance
PENNSYLVA	FORBES, ERIC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	6,588	0	This Rural Development investment will be used for the purchase and installation of a 11.55 kW solar array for a family farm in York County, PA. This project will replace 18,970 kWh (100%) per year and realize $2,652 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVA	FOREST CITY REGIONAL SCHOOL DISTRICT	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	81,150	0	This Rural Development investment will be utilized to assist Forest City School District to partner with Johnson College to develop career pathways for high school students in architectural design & logistics. A Johnson College satellite location will be established to provide access to post secondary training in transportation, logistics, and architectural design to students and adult learners.
PENNSYLVA	FOREST COUNTY BUSINESS ALLIANCE	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	85,181	0	This Rural Development Investment will be used to provide technical assistance to emerging small businesses in the underserved Forest County. Grant funds will be used for phase two of the Forest County EMPOWERS Rural Business Development Program providing technical assistance for small businesses in Forest County. This program will save/create 10 jobs.

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PENNSYLVA	FORTNEY DESIGN AND BUILD	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/16/19	0	5,354	0	This Rural Development investment will be used for the purchase and installation of a 7.6kW roof-mounted solar array. Fortney Design and Build has been in business since 2017. They are an interior and exterior renovations business which specializes in electrical solutions. This project will generate 10,690kWh in its first year which will offset more than $1,136 per year in savings. The purpose of the funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVA	GATE 7, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/16/19	0	31,500	0	This Rural Development investment will be used for the purchase and installation of a 107.64 kW solar array. Gate 7, LLC, a printing company, will realize $9,085 per year in savings, and will replace 112,171 kWh (91.4%) per year. This project will save enough electricity to power 10 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVA	GREATER WASHINGTON COUNTY FOOD BANK	RBOG	RBCS DEVELOPMENT GRANT	07/25/19	0	32,244	0	This Rural Development Investment will be used for technical assistance towards a Youth Agricultural Entrepreneurship program that is supportive of the workforce development initiatives of both State and Federal initiatives. Partnerships with local school districts and the Small Business Administration will utilize funds for programs aimed at educating adult students how to develop a business plan for their agriculture businesses. The project will directly create 1 job and support 4 schools and Universities in their efforts to invest in workforce development for agriculture related careers.
PENNSYLVA	GREENVILLE REYNOLDS DEVELOPMENT CORP	IRP	INTERMEDIARY RELENDING PROGRAM	03/22/19	0	0	277,460	This Rural Development Investment will be used to maintain a revolving loan fund for lending to businesses in Mercer County. The ultimate recipients must be small businesses located within the Greenville Reynolds Industrial Park. The mission is to provide low interest loan funds to businesses in the underserved Mercer County.
PENNSYLVA	GREENVILLE REYNOLDS DEVELOPMENT CORP	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	99,000	0	This Rural Development investment will be used to renovate and modernize an older building in the park. The project will include roof repair/replacement and parking area improvements. Upgrading heating units are also necessary, as well as some electrical improvements. This will allow small businesses already in the park to continue growth where they are, while also opening the door for new businesses and more jobs in the underserved Mercer County.
PENNSYLVA	H. FRED BAREFOOT TRUCKING, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/08/19	0	9,300	0	This Rural Development Investment will be used for the purchase and installation of a ground mount solar panel system totaling 20 kW. H. Fred Barefoot Trucking, Inc. is a specialized freight trucking company located in the rural community of Alum Bank, Bedford County. This project will realize $7,632.78 per year in savings, and will replace 31,562 kWh of electricity per year (104%) which is enough energy to power 2 homes.
PENNSYLVA	HAZELTINE, TIMOTHY P	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/12/19	0	11,754	0	This Rural Development investment is being used for the purchase and installation of an energy efficient evaporator for a maple syrup business. Hazeltine Maple Farms is a maple producer that has been in business for 10 years and is family owned and locally operated. Project funds will be used to make energy efficient improvements with the purchase and installation of an energy efficient evaporator. This investment will save $515 per year and will decrease the energy consumption by 60%. This investment will be used in the underserved Warren County. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVA	HERR, GREGORY MR	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/12/19	0	32,500	0	This Rural Development investment will be used for the purchase and installation of a 105.6KW solar array assisting this family owned broiler chicken farm, which serves the rural town of Manheim in Lancaster County, PA. This renewable energy project will provide 90% of the farm's electrical needs which is equivalent to powering 11.4 homes annually. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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PENNSYLVAI	HILE, DANIEL A	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/17/19	0	14,904	0	This Rural Development investment will be used for the purchase and installation of a 21.7kW roof-mounted solar array. The Cuetara-Hile Memorial Center has been in business since 1987 and has been a family owned and operated monument company the entire time. They specialize in granite and bronze memorials, grave markers, tombstones, family crypts and mausoleums and other cemetery accessories. This project will generate 26,886kWh in its first year which will offset more than $1,922 per year in savings. The purpose of the funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVAI	HUNTINGDON COUNTY BUSINESS AND INDUSTRY,	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	40,000	0	This Rural Development investment will be used to boost the Huntingdon County economy while creating and retaining jobs. HCBI can supply business startup/expansion/development counseling and supply financial resources to this initiative, as well as linking new startups and existing farms/businesses to a network of local and regional economic development partners, and expertise from local companies in the county. HCBI wants to continue its advocacy of improving broadband in unserved and underserved areas of the county. Lack of broadband is a critical agriculture, tourism, and general business development issue in the county. Through the increased job creation and job retention, HCBI can help affect the spread and rate of opioid dependency. As a part of this program, HCBI will play an increased role in communicating and linking participants and partners in opioid treatment and avoidance.
PENNSYLVAI	IRION LUMBER COMPANY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/18/19	0	32,422	0	This Rural Development investment will be used for the purchase and installation of a 54.698kW ground mounted solar array. The Irion Lumber Company has been in business since 1997. They specialize in making period furniture. This project will generate 68,091kWh in its first year which will offset more than $9,365 per year in savings. The purpose of the funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVAI	KEYSTONE DEVELOPMENT CENTER INC	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/10/19	0	200,000	0	This Rural Development investment will be used to continue KDC's mission to sustain communities, economies and resources through cooperatively owned businesses in rural Pennsylvania, Delaware, New Jersey, and Maryland.
PENNSYLVAI	KEYSTONE DEVELOPMENT CENTER INC	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/09/19	0	174,991	0	This Rural Development investment will be used to provide technical assistance for the development of a home care cooperative in rural Pennsylvania. The Socially dis-advantaged group is women home caregivers. The goals of this work are to create better quality jobs for home care workers and to provide quality care for seniors and people with disabilities living and working in rural Pennsylvania through the cooperative business model. In an industry where the work, is emotionally and physically taxing and low paid, where benefits are limited and hours inconsistent, and career advancement is nearly non-existent, recruitment of enough caregivers to meet demand is a significant challenge. However, caregiver owned cooperatives, which increase job quality for caregivers and provide better quality care and outcomes for patients, provides a better model. The project is centered in rural eligible areas in Berks, Chester, and Lancaster Counties.
PENNSYLVAI	KULECK'S LITTLE RED BARN FARM	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/15/19	0	15,125	0	This Rural Development investment will be used for the purchase and installation of a 30.24kW roof-mounted solar array for this small business. The Kuleck s Little Red Barn Farm is a bed and breakfast business. This farm allows the guest to visit a real farm and do the chores of a normal farm. This project will generate 29,348kWh in its first year which will offset more than $1,933 per year in savings. The purpose of the funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVAI	LAUVER, JOHN	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/16/19	0	27,628	0	This Rural Development investment will be used for the purchase and installation of a 49.7 kW solar array for a family farm in Juniata County, PA. This project will replace 59,305 kWh (50%) per year and realize $6,599 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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PENNSYLVAI	LOCK HAVEN UNIVERSITY OF PA	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	99,000	0	The Rural Development investment will be used to fund a new initiative for a Rural Technology, Innovation and Cyber Resiliency consulting and training program. The current location of this SBDC is in Lock Haven. The programming developed would be shared as a best practice with other PA SBDC's providing technical assistance to small businesses located in other rural communities throughout North Central PA. The new programs would provided technical consulting assistance and training services to small and emerging businesses located within Clinton and Lycoming Counties, specifically in Lock Haven and Williamsport and the surrounding communities. This project is projected to create 15 new jobs and/or save 5 current positions in the project area.
PENNSYLVAI	LYNN APPELMAN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/08/19	0	8,750	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Appelman Financial LLC is a family owned financial advisement business. Project funds will be used for the purchase and installation of a 8.28kwh solar array. This project will generate 114% of the buildings current electrical usage.
PENNSYLVAI	LYON'S & HOHL, INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/25/19	0	37,500	0	This Rural Development investment will be used for the purchase and installation of a 82.5KW solar array assisting the Lyon's & Hohl Excavating contractor, which serves Chester and surrounding counties in PA. This renewable energy project will provide 101% of the business's electrical needs which is equivalent to powering 8.4 homes annually. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVAI	MAMA'S COOKIES LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/16/19	0	15,462	0	This Rural Development investment will be used for the purchase and installation of a 40 kW solar array for the small business of Mama's Cookies, a family owned business in Cumberland County, PA. This project will replace 49,716 kWh (99%) per year and realize $3,249 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVAI	MARTHA HERSHEY DBA WILLOW BROOK VACATION	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	18,750	0	This Rural Development Investment will be used to purchase and install a 35.42kW roof mounted solar pv system on this family owned Willow Brook vacation home (B&B), located in the rural community of Ronks, Lancaster County, PA. This project will realize an energy savings of $5,126 per year, and will replace 44,188 kWh of electricity per year (73%) which is enough electricity to power 4 homes. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVAI	MAUST, DENNIS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/17/19	0	5,505	0	This Rural Development Investment will be used to purchase a 7.9kW roof mounted solar pv system. The solar panels will be installed on the roof of the family owned small business, Dennis Maust's Ceramics Shop is located in the rural community of Lititz, Lancaster County, PA. This project will realize an energy savings of $1,094 per year, and will replace 8,751 kWh of electricity per year (94%) which is enough electricity to power 1.25 homes. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVAI	MEABON FARMS	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/15/19	0	23,616	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Meabon Farms is a family owned farming corporation that farms grain at its facility in Wattsburg, PA. This project will realize $13,606 per year in savings, and will replace 736,954,572 BTUs (57%) per year, which is enough energy to power 19 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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PENNSYLVANIA	METAL LITHO AND LAMINATING, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/25/19	0	55,359	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a thermal oxidizer in place of the existing catalytic oxidizer. Metal Litho and Laminating, LLC is an existing metal packaging printing company located in the underserved Greenville, PA. This project will realize $45,053 per year in savings, and will replace 3,049,824 kWh (40%) per year, which is enough electricity to power 281 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVANIA	MOSHANNON VALLEY ECONOMIC DEVELOP	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	75,000	0	The Rural Development investment will be used to help fund the renovation of a business incubator that services western Centre County and eastern Clearfield County and will be centrally located in Philipsburg, PA. They will be doing repairs to the concrete flooring in areas that had businesses but now are vacant due to the outgrowing of the area. The floors are in terrible condition and it is hurting business recruitment efforts. Also to be repaired is 275 linear feet of sanitary sewer line. When the work is completed, the area could see more businesses occupying the area and that those areas could account for additional jobs.
PENNSYLVANIA	NORTHEASTERN PA ALLIANCE	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG LOANS	05/14/19	0	0	375,000	This Rural Development investment will provide a $375,000 loan to NEPA Alliance which will establish a revolving loan fund to assist small businesses of 10 or less employees with obtaining capital for start up or expansion of up to $50,000.
PENNSYLVANIA	NORTHERN TIER REG PLAN AND DEV COMM	IRP	INTERMEDIARY RELENDING PROGRAM	09/06/19	0	0	500,000	This Rural Development investment will be utilized to provide Northern Tier Regional Planning and Development Commission with relending funds to be utilized to lend to rural small businesses within its lending territory of Bradford, Sullivan, Wyoming, Susquehanna, & Tioga Counties.
PENNSYLVANIA	POTTSVILLE AREA DEVELOPMENT CORP	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG LOANS	09/17/19	0	0	300,000	This Rural Development investment will provide a $300,000 loan to Pottsville Area Development Corporation which will establish a revolving loan fund to assist small businesses of 10 or less employees with obtaining capital for start up or expansion of up to $50,000.
PENNSYLVANIA	READE WITMAN DBA ELKWOOD CONSTRUCTION SE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	3,501	0	This Rural Development investment will be used for the purchase and installation of a 16KW solar array assisting this family owned carpentry business, which serves rural Lancaster County, PA. This renewable energy project will provide 82% of the business's electrical needs which saves $5,330 and is equivalent to powering 1.5 homes annually. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVANIA	ROWLANDS PENNSYLVANIA PRODUCE LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/08/19	0	4,513	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Rowlands Pennsylvania Produce LLC is an existing hydroponic farm which grows produce and sells to the local area. Project funds will be used to make energy efficiency improvements with the purchase and installation of LED lighting in the greenhouse. The project will save approximately 50% of energy consumption and allow Rowlands more efficient crop yield.
PENNSYLVANIA	RURAL BUSINESS INNOVATION CORPORATION	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG LOANS	05/14/19	0	0	100,000	This Rural Development investment will provide a $100,000 loan to Rural Business Innovation which will establish a revolving loan fund to assist small businesses of 10 or less employees with obtaining capital for start up or expansion of up to $50,000.
PENNSYLVANIA	SAINT FRANCIS UNIVERSITY	REAR	RENEWABLE ENERGY DEVLP ASSISTANCE GRANTS	03/21/19	0	100,000	0	This Rural Development investment will be used throughout the state of Pennsylvania to conduct approximately 30 renewable energy site assessments for rural small businesses and agricultural producers. These site assessments will provide analysis to make energy-efficiency improvements to these operations and/or install renewable energy systems. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVANIA	SEDA COUNCIL OF GOVERNMENTS	ARC	ARC (APPALACHIAN REGIONAL COMMISSION GRANTS) BP	09/26/19	0	471,843	0	
PENNSYLVANIA	SIENKOWSKI, EDWARD AND KATHY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/26/19	0	6,445	0	This Rural Development investment will be used for the purchase and installation of a 76KW solar array assisting this family owned vegetable farm, which serves Bucks County, PA. This renewable energy project will provide 95% of the farm's electrical needs which is equivalent to powering 1.2 homes annually.

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PENNSYLVAI	STONER, LOREN	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/16/19	0	31,250	0	This Rural Development investment will be used for the purchase and installation of a 92.4KW solar array assisting this family owned broiler chicken farm, which serves Lancaster County, PA. This renewable energy project will provide 87% of the farm's electrical needs which is equivalent to powering 10 homes annually. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVAI	SUSAN PUTMAN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/14/19	0	10,156	0	This Rural Development investment will be used for the purchase and installation of a 14.6kW Panasonic roof mounted Solar PV system. The Putman Place, a vacation rental house located on a 75 acre farm owned by Susan Putman, will realize $1,870 in savings a year, and will replace 31,902 kWh (57.4%) per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and making energy-efficiency improvements to their operations.
PENNSYLVAI	TOWANDA AREA CHRISTIAN OUTREACH	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	9,700	0	This Rural Development investment will be utilized to assist in the purchase of a walk in freezer for TACO which is a local food pantry. The walk in freezer will allow TACO to store additional food on site.
PENNSYLVAI	VON OECHSLER FARM LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/17/19	0	9,997	0	This Rural Development investment will be used for the purchase and installation of a 17.8kw soar array. Von Oechsler Farm is a poultry farm. Project funds will be utilized to replace approximately 99% of the farm's total electrical usage and will realize $1,928 per year in savings. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems and in making energy efficiency improvements to their operations.
PENNSYLVAI	W & W AG, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/16/19	0	43,765	0	This Rural Development investment will be used to replace an old inefficient grain dryer with a Brock Meyer with a drying capacity of 1,577 BTU/lb Bushels per hour with a computer censor and prevents grain from over drying which is a loss of profit. This will save almost $18,296 in energy/waste costs and result in more local farms to be serviced in Lancaster County which is one of the most productive rural farm counties in Pennsylvania. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVAI	WAYNE ECONOMIC DEVELOPMENT CORPORATION	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	99,999	0	This Rural Development investment will be utilized to extend 5,365 feet of natural gas pipeline into the Borough of Waymart. The natural gas pipeline is phase 2 of a broader project to serve the area with natural gas service and will run along RTE 296 (Belmont St.) The gas line is expected to provide availablity of natural gas to approximately 8 small businesses and 47 homes.
PENNSYLVAI	WAYNE LEID DBA PLEASANT VALLEY TRADING	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	18,000	0	This Rural Development Investment will be used to purchase and install a 55.57kW roof mounted solar pv system. The solar panels will be installed on the roof of the business that manufactures and sells wholesale furniture. The business is located in the rural community of Reinholds, Lancaster County, PA. This project will realize an energy savings of $6,037 per year, and replace 47,635kWh of electricity per year (106%) which is enough electricity to power 4 homes. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVAI	WEN-CREST FARMS LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/16/19	0	19,999	0	This Rural Development investment will be used for the purchase and installation of an energy efficient grain dryer for Wen-Crest Farms, a crop farm owned by Steven Wenger and family that has been in the family for several generations. This high efficiency Shivers dryer has a capacity of 1500 bushels per hour with automated controls which will prevent grain from over drying, which is a loss of profit. The new dryer will save 845,587 kWh of propane and electricity and will save the farm $34,182 in energy costs annually and result in more local farms to be serviced in rural Lebanon County, PA. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations.

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PENNSYLVAI	WERNER ACRES	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/25/19	0	122,701	0	This Rural Development investment will be used for the purchase and installation of a 225kW solar array assisting this family owned Werner Acres turkey farm, which serves Lebanon County, PA. This renewable energy project will provide 109% of the farm's electrical needs which is equivalent to powering 26 homes annually. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVAI	WOLGEMUTH'S FAIRVIEW FARM	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/12/19	0	41,250	0	This Rural Development Investment will be used to purchase and install a 194kW roof mounted solar pv system. The solar panels will be installed on the roof of the family owned grain and hog farm. Wolgemuth Farview Farms is located in the rural community of Elizabethtown, Lancaster County, PA. This project will realize an energy savings of $18,666 per year, and will replace 187,265 kWh of electricity per year (107) which is enough electricity to power 17 homes. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVAI	WOLGEMUTH'S FAIRVIEW FARM	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/12/19	0	50,128	0	This Rural Development investment will be used to replace an old inefficient grain dryer is a GSI 118 with a drying capacity of 25% more corn Bushels and 20% more wheat capacity per hour. The new dryer has a 33' top dry system with a capacity of 1355 bushels per hour and has automatic control to prevent over drying. This will save $78,386 in energy/waste costs for the Wolgemuth family farm and result in more local farms to be serviced in Lancaster County which is one of the most productive farm counties in Pennsylvania. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PENNSYLVAI	ZETTE STABLE, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/08/19	0	19,032	0	This Rural Development investment will be used for the purchase and installation of a 22.8 KW solar array on a stable barn that houses approximately 15 horses for Zette Stables, located in the rural community of Lumberville, Bucks County, PA. This project will replace 28,352 kWh of electricity per year (63%) and realize $3,969 of savings per year. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations.
PENNSYLVAI	ZIMMERMAN FARMS	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/22/19	0	36,587	0	This Rural Development investment will be used for the purchase and installation of a 72KW solar array assisting this family owned beef cattle farm, which serves the rural Schuylkill County area in PA. This renewable energy project will provide 53% of the farm's electrical needs which is equivalent to powering 7 homes annually. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
PUERTO RIC	AGROPEK, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/27/19	0	4,558	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 5.6KW PV SOLAR SYSTEM. THIS PROYECT WILL REALIZED 1,743.00 PER YEAR IN SAVINGS AND REPLACE 8,720KWH OF ELECTRICITY PER YEAR (80%). THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, FANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
PUERTO RIC	ASOC DE PRODUCTORES DE BANANOS DE PR	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	60,000	0	ASOCIACION DE BANANEROS DE PUERTO RICO IS REQUESTING $60,000.00 FUNDS FOR FEASIBILITY STUDY TO COLLECT DATA AND RESEARCH THE ROOT OF THE PLAGE (THRIPS)AND MOST IMPORTANT HOW TO ELIMINATE IT. IMPLEMENTING STRATEGIC ACTION PLAN TO EFFECTIVELY ERADICATED THE PLAGE. DIRECT JOBS THAT ARE GOING TO BE SEVED IS 2000 APROXIMATELY.
PUERTO RIC	BORINCANA FOUNDATION INC.	RBEG	RBCS ENTERPRISE GRANTS	09/18/19	0	395,000	0	BORINCANA FUNDATION IS REQUESTING $395,000.00 FUNDS FOR THE INTEREST IN THE ELEGIBLE AREAS OF PUERTO RICO. PROVIDING TOOLS TO PROMOTE SELF EMPLOYMENT AND CAPACITATE EXISTING LOCAL SMALL BUSINESSES THROUGH TECHNICAL ASSISTANCE, COACHING AND MENTORING EXPERTISE, AND BY PROMOTING THE ECONOMIC DEVELOPMENT OF THE REGION BY SUPPORTING THE CREATION OF 40 EXPECTED NEW EMPLOYMENTS IN THE REGION.

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PUERTO RIC	CARLOS ESCRIBANO LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/31/19		0 72,792	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 156 KWDC PV SOLAR SYSTEM. THIS PROJECT WILL REALIZE $39,523.12 PER YEAR IN SAVINGS AND REPLACE 231,400 KW OF ELECTRICITY PER YEAR (76.54%), WHICH IS ENOUGH ELECTRICITY TO POWER 21 HOMES. THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, RANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
PUERTO RIC	CENTRO OFTALMOLOGICO DEL ESTE, CSP	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/27/19		0 14,662	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 25.84KW PV SOLAR SYSTEM. THIS PROYECT WILL REALIZED 7,949.70 PER YEAR IN SAVINGS AND REPLACE 38,198.00KWH OF ELECTRICITY PER YEAR (105.71%)WICH IS ENOUGH ELECTRICITY TO POWER 3 HOMES. THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, FANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
PUERTO RIC	CORPORACION PARA EL FINANCIAMIENTO	RBEG	RBCS ENTERPRISE GRANTS	07/24/19		0 61,280	0	CORPORACION PARA EL FINANCIAMIENTO EMPRESARIAL DEL COMERCIO Y DE LAS COMUNIDADES (COFFEC) IS REQUESTING $61,280.00 FUNDS FOR THE INTEREST IN PROVIDE TRAINING TO THE WORKFORCE THAT WILL ASSIST THE DEVELOPMENT OF SMALL FOOD BUSINESS IN RURAL AREAS IN THE WEST OF PR. THE CREATION OF 18 EXPECTED NEW EMPLOYMENTS IN THIS REGION.
PUERTO RIC	COVER Y MAS COVER, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/26/19		0 19,875	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 31.16KW PV SOLAR SYSTEM. THIS PROYECT WILL REALIZED 8387.89 PER YEAR IN SAVINGS AND REPLACE 46,062.00 KWH OF ELECTRICITY PER YEAR (46.45%)WICH IS ENOUGH ELECTRICITY TO POWER 4 HOMES. THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, FANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
PUERTO RIC	EQUIPCO LLC	BI	GUARANTEED B&I 3% FEE LOAN	06/28/19	4,000,000	0	0	
PUERTO RIC	F&F HYDROPONICS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19		0 19,861	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 25 KWDC PV SOLAR SYSTEM. THIS PROJECT WILL REALIZE $7,988.00 PER YEAR IN SAVINGS AND REPLACE 36,305 KW OF ELECTRICITY PER YEAR (31.50%), WHICH IS ENOUGH ELECTRICITY TO POWER 3 HOMES. THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, RANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
PUERTO RIC	FARMACIA HAYUYA	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19		0 7,065	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 8.1 KWDC PV SOLAR SYSTEM AND A BATTERY PACKAGE OF 13.5 KW STORAGE CAPACITY. THIS PROJECT WILL REALIZE $2,274.00 PER YEAR IN SAVINGS AND REPLACE 11,375 KW OF ELECTRICITY PER YEAR (45%). THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, RANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
PUERTO RIC	FONDO FOMENTO INDUSTRIA DE HUEVOS DE PR	RBEG	RBCS ENTERPRISE GRANTS	07/24/19		0 50,000	0	FONDO FOMENTO INDUSTRIA DE HUEVOS DE PR IS REQUESTING $50,000.00 FUNDS FOR CONDUCT A FEASIBILITY STUDY AND WITH THE RESULTS THE PARTICIPANTS WILL RECEIVED THECNICAL ASSISTANCE ON HOW TO IMPROVE THOSE FINDINGS THROUGH TECHNICAL ASSISTANCE, COACHING AND MENTORING EXPERTISE. THE CREATION OF 225 TO 300 NEW EMPLOYMENTS.
PUERTO RIC	FRIENDS OF PUERTO RICO	RBEG	RBCS ENTERPRISE GRANTS	07/24/19		0 44,914	0	FRIENDS OF PUERTO RICO IS REQUESTING $44,914.00 FUNDS FOR THE CREATION OF THECNICAL ASSISTNCE AND BUSSINESS DEVELOPMENT PROJECT TO PILOT A COFFEE SOCIAL ENTERPRISE CALLED AA IN CONJUNCTION WITH A YOUTH ENTREPRENEURSHIP TRAINING PROGRAMA CALLED SEEDING EDUCATION AND ENTREPRENEURSHIP WITH DIASPORA AND SUPPORTERS (SEEDS). THIS PROJECT WILL CREATE 2 TO 5 NEW EMPLOYMENTS AND INDIRECTLY SUPPORT TENS OF OTHER JOBS IN THE COFFEE AGRICULTURE AND LOCAL BUSSINESS.

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PUERTO RICO	FUNDACION SILA M. CALDERON, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/24/19	0	25,356	0	FUNDACION SILA M CALDERON, INC IS REQUESTING $25,356.00 FUNDS FOR THE INTEREST IN THE RESIDENTS OF MOROVIS. PROVIDING TOOLS TO PROMOTE SELF EMPLOYMENT AND CAPACITATE EXISTING LOCAL SMALL BUSINESSES THROUGH TECHNICAL ASSISTANCE, COACHING AND MENTORING EXPERTISE, AND BY PROMOTING THE ECONOMIC DEVELOPMENT OF THE REGION BY SUPPORTING THE CREATION OF 25 EXPECTED NEW EMPLOYMENTS IN THE REGION.
PUERTO RICO	FUNDACION SILA M. CALDERON, INC.	RBOG	RBCS DEVELOPMENT GRANT	07/10/19	0	35,000	0	FUNDACION SILA M CALDERON, INC IS REQUESTING $35,000.00 FUNDS FOR THE INTEREST IN THE RESIDENTS OF COMERIO. PROVIDING TOOLS TO PROMOTE SELF EMPLOYMENT AND CAPACITATE EXISTING LOCAL SMALL BUSINESSES THROUGH TECHNICAL ASSISTANCE, COACHING AND MENTORING EXPERTISE, AND BY PROMOTING THE ECONOMIC DEVELOPMENT OF THE REGION BY SUPPORTING THE CREATION OF 25 EXPECTED NEW EMPLOYMENTS IN THE REGION.
PUERTO RICO	GANADEROS BORGES INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	298,241	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A HYBRID GENERATION SYSTEM COMPOSED OF A 200KW PV SOLAR SYSTEM, AND A 275 KW WIND TURBINE. THIS PROJECT WILL REALIZE $151,200 PER YEAR IN SAVINGS AND REPLACE 756,000 KW OF ELECTRICITY PER YEAR (54%), WHICH IS ENOUG ELECTRICITY TO POWER 69 HOMES. THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, RANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
PUERTO RICO	GONZALEZ, ALEJANDRO	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/16/19	0	8,750	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 10.64 KW PV SOLAR SYSTEM. THIS PROJECT WILL REALIZE $3,493 PER YEAR IN SAVINGS AND REPLACE 15,728 KWH OF ELECTRICITY PER YEAR (95%). THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, RANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
PUERTO RICO	HACIENDA AGRICOLA DE COMERIO INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/27/19	0	11,061	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 27KW PV SOLAR SYSTEM. THIS PROYECT WILL REALIZED 6,699.00 PER YEAR IN SAVINGS AND REPLACE 27,000.00 KWH OF ELECTRICITY PER YEAR (70.13%). THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, FANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
PUERTO RICO	JAVIER SARRAGA OYOLA	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/27/19	0	18,138	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 30.69 PV SOLAR SYSTEM. THIS PROYECT WILL REALIZED $11879.28 PER YEAR IN SAVINGS AND REPLACE 49,497.00 KWH OF ELECTRICITY PER YEAR (96.12%)WICH IS ENOUGH ELECTRICITY TO POWER 4 HOMES. THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, FANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
PUERTO RICO	MAR-CO INDUSTRIES	BI	GUARANTEED B&I 3% FEE LOAN	05/16/19	643,878	0	0	
PUERTO RICO	MARTINEZ, JOAVANNY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	33,750	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 67.6 KWDC PV SOLAR SYSTEM. THIS PROJECT WILL REALIZE $20,273.00 PER YEAR IN SAVINGS AND REPLACE 100010 KW OF ELECTRICITY PER YEAR (100.09%), WHICH IS ENOUG ELECTRICITY TO POWER 9 HOMES. THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, RANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.

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PUERTO RIC	PANADERIA LA ESTANCIA INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	20,000	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 42.44KW PV SOLAR SYSTEM. THIS PROYECT WILL REALIZED 17,650.36 PER YEAR IN SAVINGS AND REPLACE 67,886 KWH OF ELECTRICITY PER YEAR (100%)WICH IS ENOUGH ELECTRICITY TO POWER 6 HOMES. THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, FANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
PUERTO RIC	STARS DAIRY FARM, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	48,037	0	THIS RURAL DEVELOPMENT INVESTMENT WILL BE USED FOR THE PURCHASE AND INSTALLATION OF A 63 KWDC PV SOLAR SYSTEM. THIS PROJECT WILL REALIZE $17,640.00 PER YEAR IN SAVINGS AND REPLACE 84,000 KW OF ELECTRICITY PER YEAR (100%), WHICH IS ENOUGH ELECTRICITY TO POWER 7 HOMES. THE PURPOSE OF THIS FUNDING PROGRAM IS TO ASSIST FARMERS, RANCHERS, AND RURAL SMALL BUSINESSES IN DEVELOPING RENEWABLE ENERGY SYSTEMS, AND IN MAKING ENERGY-EFFICIENCY IMPROVEMENTS TO THEIR OPERATIONS.
PUERTO RIC	WORLD CENTRAL KITCHEN, INC	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	63,450	0	WORLD CENTRAL KITCHEN, INCORPORATED IS REQUESTING $63,450.00 FUNDS FOR THE INTEREST APROXIMATELY 320 PARTICIPANTS ON THE FOLLOWING TOPICS: BUSINESS MODERLS, FINANCIALS FOR SMALL BUSINESS OWNERS, SUPPLY CHAIN MANAGEMENT AND MARKETING & BRANDING. PROVIDING TOOLS TO PROMOTE SELF EMPLOYMENT AND CAPACITATE EXISTING LOCAL SMALL BUSINESSES THROUGH TECHNICAL ASSISTANCE, COACHING AND MENTORING EXPERTISE, AND BY PROMOTING THE ECONOMIC DEVELOPMENT IN 4 DIFFERENT RURAL COMMUNITIES. THE CREATION OF 32 TO 128 NEW EMPLOYMENTS IN THE REGION AND 224 TO 896 JOBS RETAINED.
RHODE ISLA	DANIELSON PIKE SOLAR, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	05/09/19	1,682,000	0	0	The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This Rural Development loan guarantee investment will be used for the purchase and installation of a 946kW solar PV system. Danielson Pike Solar, LLC is a newly created entity for the purposes of generating electricity in Richmond, RI. The system is estimated to produce 1,097,647 kWh per year, which is enough electricity to power 101 homes.
RHODE ISLA	FARM FRESH RHODE ISLAND	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	42,000	0	This Rural Development Investment will promote the Market Mobile distribution program (food hub) by providing resources to farms thru sales, delivery and warehousing. Through this system, a farm can reach hundreds of customers. Jobs created: 5
RHODE ISLA	FARM FRESH RHODE ISLAND	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	25,000	0	This Rural Development Investment will use funds to connect farmers with more sales opportunities in schools and institutional settings. The basis of the Market Mobile is to return more money and time to farmers and producers to help them gain an economic advantage. Jobs created 11.
RHODE ISLA	FEROLBINK FARMS INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	145,250	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 249.6 kW solar array. This project will realize $61,672 per year in revenue, and will generate 346,195 kWh, which is enough electricity to power 31 homes. All anticipated energy produced will be sold to the grid.
RHODE ISLA	GOTHAM GREENS PROVIDENCE LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/27/19	9,500,000	0	0	This Rural Development loan guarantee investment will be used to provide $9,500,000 in permanent B&I funding to support the creation of 60 jobs for Gotham Greens Providence, LLC, a hydroponic greenhouse facility, in an underserved urban Opportunity Zone setting with high unemployment.
RHODE ISLA	HIGH STREET SOLAR, LLC	RES	RENEWABLE ENERGY SYSTEMS - GUAR LOAN	05/09/19	1,688,500	0	0	The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This Rural Development loan guarantee investment will be used for the purchase and installation of a 992kW solar PV system. High St Solar, LLC is a newly created entity for the purposes of generating electricity in Ashaway, RI. The system is estimated to produce 1,209,274 kWh per year, which is enough electricity to power 112 homes.

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RHODE ISLAI	LEGEND'S CREEK, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	11,298	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 23.7 kW solar array. This project will realize $3,878 per year in savings and will replace 16,664 kWh (126.07%) per year, which is enough electricity to power 1.54 homes.
RHODE ISLAI	LEVESQUE, RICHARD	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	20,000	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 55.89 kW solar array. This project will realize $6,079 per year in savings and will replace 62,003 kWh (289.08%) per year, which is enough electricity to power 5.72 homes.
RHODE ISLAI	MARTINELLI'S FARM AND CHARCUTERIE LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	8,755	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 10 kW solar array. This project will realize $2,400 per year in savings, and will help offset the electrical needs of the new business, which is enough electricity to power 2 homes.
RHODE ISLAI	MCNIFF, PATRICK	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	4,486	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 8.28kW kW solar array. This project will realize $1,969 per year in savings and will replace 10,943 kWh (13.68%) per year, which is enough electricity to power 1.01 homes.
RHODE ISLAI	MK LEASING, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	135,000	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 225 kW solar array. This project will realize $58,658 per year in revenue, and will replace 257,840 kWh per year, which is enough electricity to power 23 homes.
RHODE ISLAI	OSD MAIN STREET SOLAR, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	05/09/19	1,730,000	0	0	The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This Rural Development loan guarantee investment will be used for the purchase and installation of a 972kW solar PV system. OSD Main St Solar, LLC is a newly created entity for the purposes of generating electricity in Richmond, RI. The system is estimated to produce 1,234,508 kWh per year, which is enough electricity to power 114 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
RHODE ISLAI	PALMER CIRCLE SOLAR LLC	RES	RENEWABLE ENERGY SYSTEMS - GUAR LOAN	05/09/19	1,654,500	0	0	The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This Rural Development loan guarantee investment will be used for the purchase and installation of a 991kW solar PV system. Palmer Circle Solar, LLC is a newly created entity for the purposes of generating electricity in Hopkinton, RI. The system is estimated to produce 1,348,183 kWh per year, which is enough electricity to power 124 homes.
RHODE ISLAI	ST PIERRE, PARIS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	7,216	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 11.2kW kW solar array. This project will realize $1,645 per year in savings and will replace 8,438 kWh (85.88%) per year, which is enough electricity to power 1.24 homes.
RHODE ISLAI	TOMAQUAG INDIAN MEMORIAL MUSEUM	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	30,000	0	This Rural Development Investment will be used to support and empower the Native American community through the creation of a planning & development program to support long-term sustainability, small business development and maintenance for our partner consulting business. It will also increase Indigenous voice in Rhode Island.

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RHODE ISLAI	VERDE VINEYARDS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	8,700	0	This project is a battery back-up retro fit of an RES for uninterruptible operation with hybrid inverters. This will keep the solar system producing during outages, allow time shifting of peak grid usage, and back up critical circuits at night. This project will realize $2,602 in annual savings of fossil fuel cost (propane gas at 91,500btu/gal-DJY)to run generators.
RHODE ISLAI	WINDMIST FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	20,000	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used for the purchase and installation of a 25.2 kW solar array. This project will realize $5,379 per year in savings and will replace 28,485 kWh (69.75%) per year, which is enough electricity to power 2.63 homes.
RHODE ISLAI	WINDY ACRES SOLAR, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	05/09/19	1,627,500	0	0	The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This Rural Development loan guarantee investment will be used for the purchase and installation of a 992kW solar PV system. Windy Acres Solar, LLC is a newly created entity for the purposes of generating electricity in Cumberland, RI. The system is estimated to produce 1,303,397 kWh per year, which is enough electricity to power 120 homes.
SOUTH CARC	AIRPORT INDUSTRIAL PROPERTIES, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/23/19	0	6,331	0	This Rural Development investment will be used to purchase and install a high efficiency infrared heating system. Airport Industrial Properties LLC owns the warehouse that is leased to Castelli Magnet LLC. This project will save $820.80 per year and will save 1,026 kWh of electricity per year.
SOUTH CARC	ATOOD SOLAR II, LLC	BI	GUARANTEED B&I 3% FEE LOAN	04/16/19	2,225,000	0	0	The purpose of this term loan is to finance the solar construction loan and provide the permanent financing for a 2.99 MWdc 21.3-acre utility-scale solar farm located in Cowpens, South Carolina. Atood II Solar, LLC will be managed by Cypress Creek Renewables, an industry leading developer, and operator of utility scale solar farms. The project will be connected to the Duke Energy grid. The farm will be fully constructed, tested and connected to the grid prior to funding. Utility scale solar will have a long-term positive impact to the surrounding community. The project will be selling the power to the residents via Subscription Agreements. Also, owners of the facilities usually contract with local companies to provide some of the maintenance of the site during operation. Atood II Solar, LLC will create 3 jobs with an average wage rate of $20.00 per hour.
SOUTH CARC	AUXILIUM COMMUNITY DEVELOPMENT CORPORATI	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	67,970	0	THIS RURAL DEVELOPMENT INVESTMENT WILL ASSIST WITH THE PROMOTION AND EXECUTION OF A LOCAL COLLABORATIVE TECHNICAL ASSISTANCE PROJECT WITHA COMMUNITY BASED APPROACH THAT WILL AIS IN THE DEVELOPMENT OF SMALL AND EMERGING BUSINESSES AND ENTREPRENUERS IN THE PROJECT SERVICE AREA OF THE TOWN OF ALLENDALE
SOUTH CARC	AUXILIUM COMMUNITY DEVELOPMENT CORPORATI	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	67,970	0	THIS RURAL DEVELOPMENT INVESTMENT PLANS TO ASSIST WITH THE PROMOTION AND EXECUTION OF LOCAL COLLABORATIVE TECHNICAL ASSISTANCE PROJECT WITH A COMMUNITY BASED APPROACH THAT WILL AID IN THE DEVELOPMENT OF SMALL AND EMERGING BUSINESSES AND ENTREPRENEURS IN THE PROJECT SERVICE AREA OF THE TOWN OF EASTOVER.
SOUTH CARC	BEAUFORT COUNTY BLACK CHAMBER COMMERCE	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	53,805	0	Rural Development Funds will be used to provide technical assistance to rural microentrepreneurs and microenterprises throughout Beaufort county, SC in conjunction with the RMAP loan program administered by the recipient.
SOUTH CARC	BEAUFORT COUNTY BLACK CHAMBER COMMERCE	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	50,000	0	This Rural Development Investment will be used to provide Technical Assistance for an Entrepreneurial Culinary Business Incubator. The project will provide on-site business planning and workforce development training for potential employees.
SOUTH CARC	BELVUE SCHOOL ROAD FARM PRODUCTS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/08/19	0	12,962	0	The Rural Development investment will be used to purchase and install a 19.76 KW DC solar array. Belvue School Road Farm Products, LLC is a family owned business producing beef and timber. This project will generate 34,520 kWh of electricity per year, which is enough electricity to power 34 homes.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
SOUTH CARC	BLACKVILLE SOLAR II, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/27/19	16,864,000	0	0	This Rural Development investment will be used for the purchase and installation of a 28 MW solar system. Blackville Solar II, LLC is a newly created entity for the purposes of generating electricity in Blackville, SC. The system is estimated to produce 48,624,000 kWh per year, which is enough electricity to power 4,420 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
SOUTH CARC	CAN HOSPITALITY CAROLINAS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/02/19	5,000,000	0	0	
SOUTH CARC	CHERRY BLOSSOM SOLAR, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/25/19	5,000,000	0	0	This Rural Development loan guarantee investment will be used to purchase and install a 14.37 MW solar energy system. Cherry Blossom Solar, LLC is a newly created entity for the purposes of generating electricity in Hemingway, SC. The system is estimated to produce 24,841,000 kWh per year, which is enough electricity to power 2,258 homes.
SOUTH CARC	CHERRY BLOSSOM SOLAR, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/26/19	2,100,000	0	0	
SOUTH CARC	CLEMSON UNIVERSITY	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	147,386	0	THIS RURAL DEVELOPMENT INVEST WILL ENABLE EMERGING FARMERS AND RURAL BUSINESS ENTREPRENEURS TO BE SUCCESSFUL, PRODUCTIVE, AND INNOVATIVE MEMBER OF SOUTH CAROLINA AGRICULTURAL AND REGIONAL FOOD SYSTEM COMMUNITY BY PROVIDING THEM WITH TOOLS, KNOWLEDGE, AND SKILLS NECESSARY TO BE SOUND BUSINESS MANAGERS, EXEMPLARY STWEARDS OF THE ENVIRONMENT, AND SUCCESSFUL MARKERTS OF THE UNIQUE PRODUCTS THEY CREATE
SOUTH CARC	CM TUCKER LUMBER COMPANIES, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/17/19	0	49,992	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting in multiple buildings at the main plant. CM Tucker Lumber Companies, LLC is an existing business that manufactures wood products. This project will realize $41,740 per year in savings, and will replace 379,447 kWh (66%) per year, which is enough electricity to power 32 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
SOUTH CARC	COMMUNITYWORKS INC	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	72,011	0	
SOUTH CARC	COYLE INS. & FINANCIAL SERVICES INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	6,750	0	This Rural Development investment will be utilized to operate and install a renewable energy project 9kW photovoltaic solar system mounted on the roof of it existing property in Greenwood, SC. The solar photovoltaic equipment used in this project is commercially available for immediate investment, it also confirms that the energy savings measure will contribute to the funding objective goal of the REAP Program by creating and retaining jobs in rural areas through grant funds available from USDA, Rural Development.
SOUTH CARC	CROSSROADS CONSTRUCTION SERVICES, INC.	BI	GUARANTEED B&I 3% FEE LOAN	03/27/19	1,000,000	0	0	The purpose of this loan will be to purchase the assets of Atlantic Marine Construction, Inc. in the amount of $1,000,000, provide $49,000 in working capital, and fund $51,000 in related loan and closing costs. Crossroads Construction Services Inc. is a family business that is owned and operated by Dallas and Katherine Reeves. Crossroads in the acquisition of Atlantic Marine Construction will expand their existing road construction business to Marine construction, to include dock construction/ repair, retaining wall construction for lake, river, and ocean front property. Crossroads is exclusively a milling debris cleanup company that performs work on major road rehabilitation projects in the Carolinas and Georgia out of their two facilities located in Greenville and Bluffton, S.C. Crossroads Construction Services Inc is just now finishing up its second year in business, which started when it acquired a 15 year old milling debris cleanup company. B&I Guarantee will also prevent the loss of employment 20 jobs with an average wage of $12.00 per hour.
SOUTH CARC	DIAMOND SOLAR, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/19/19	5,972,000	0	0	This Rural Development loan guarantee investment will be used to purchase and install a 10.8 MW solar energy system. Diamond Solar, LLC is a newly created entity for the purposes of generating electricity in Pelion, SC. The system is estimated to produce 17,921,496 kWh per year, which is enough electricity to power 1,629 homes.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
SOUTH CARC	EDISON SOLAR, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/19/19	3,802,000	0	0	This Rural Development loan guarantee investment will be used for the purchase and installation of a 6.79 MW solar system. Edison Solar, LLC is a newly created entity for the purposes of generating electricity in Barnwell, SC. The system is estimated to produce 11,575,300 kWh per year, which is enough electricity to power 1,052 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
SOUTH CARC	FOLKWAYS COMMUNITY DEVELOPMENT CORPORATI	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	75,000	0	THIS RURAL DEVELOPMENT INVESTMENT WILL PLAN AND LAUNCH DREAM BUILDERS AND EDUCATIONAL/APPRENTICESHIPTRAINING PROGRAM FOR UNDEREMPLOYEED AND UNEMPLOYEED YOUNG ADULTS PRIMARILY BETWEEN THE AGES OF 17-35 IN THE RURAL AREA OF YORK, SC
SOUTH CARC	GASTON SOLAR II, LLC	BI	GUARANTEED B&I 3% FEE LOAN	04/16/19	6,500,000	0	0	The purpose of this permanent debt term loan facility is to provide the permanent debt for a 10.47 MWdc 99-acre utility-scale solar farm located in Gaston, South Carolina. Gaston II Solar, LLC will be managed by Cypress Creek Renewables, an industry-leading developer, and operator of utility-scale solar farms. The project will be connected to the South Carolina Electric & Gas Company grid. Utility scale solar will have a long-term positive impact to the surrounding community. The project will be selling the power to the residents via Subscription Agreements. Also, owners of the facilities usually contract with local companies to provide some of the maintenance of the site during operation. Gaston II Solar, LLC will create 3 jobs with an average wage rate of $20 per hour.
SOUTH CARC	GIFFORD TOWNSHIP	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	32,319	0	0
SOUTH CARC	GRAND STRAND PEDIATRICS & ADOLESCENT MED	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	02/26/19	0	13,920	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. Project funds will be used be for the purchase and installation of an 17.69 kW roof mounted solar array on a small medical practice. Grand Strand Pediatrics & Adolescent Medicine. This project will replace 26,684 kWH of energy, enough to power 2.5 homes.
SOUTH CARC	JUBILEE MARKET INTERNATIONAL	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	90,000	0	0
SOUTH CARC	KOOISTRA & ASSOCIATES, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/02/19	0	46,131.75	0	The Rural Development investment will be used for the purchase and installation of a Geothermal Heat Pump for the building owned by Kooistra & Associates, LLC that lease it to a Neurological Office. The project will replace 54,340 KwH per year and realize $3,505.80 of savings per year. The purpose of this funding program is to assist farmers, ranchers & rural small businesses in developing renewable energy systems, and in making energy efficient improvements in their operations.
SOUTH CARC	LARKSPUR ANDERSON, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/03/19	2,655,000	0	0	This Rural Development investment will be used to upfit a 56,000 square feet strip center into an interior self-storage facility. There will be approximately 335 storage units with interior climate controlled units. Larkspur Anderson, LLC will be managed by David Bernstein. Larkspur Anderson, LLC will have long term positive impact to the community as it will repurpose an abandon shopping strip that is 70% vacant into a viable business for the creation of three jobs at double the minimum wage rate. The repurposing will also stabilize this small area in support of the two businesses that are presently located in the small shopping center.
SOUTH CARC	MARLBORO ELECTRIC COOPERATIVE, INC.	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	01/31/19	0	300,000	0	This project will be used to provide working capital and construction funds to complete projects that will directly create jobs and expand recreational opportunities at Lake Paul Wallace.
SOUTH CARC	OLANTA, TOWN OF	RBOG	RBCS DEVELOPMENT GRANT	07/25/19	0	25,000	0	This Rural Development Investment will provide funding for the Town to hire Community Design Solutions, a consulting firm, to complete a Community Master Plan. This business opportunity project will allow them to conduct local community economic development planning for the Town.
SOUTH CARC	PEONY SOLAR, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/15/18	10,000,000	0	0	Funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will result in the development of a 57.2286-Megawatt Solar Farm. The site will produce 97,444,538 kWh, which is enough electricity to power 8,992 homes.
SOUTH CARC	PIEDMONT FARMERS MARKETING COOP INC	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/25/19	0	175,000	0	Rural Development funds will be used to provide technical assistance to 375 socially-disadvantaged agricultural producers, 3 agricultural businesses and 4 other cooperatives in the Piedmond Region of the East Coast of SC.

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SOUTH CARC	RICHARDSON SOLAR, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	08/15/19	3,150,000	0	0	This Rural Development loan guarantee investment will be used to purchase and install a 5.308 MW solar energy system. Richardson Solar, LLC is a newly created entity for the purposes of generating electricity in Barnwell, SC. The system is estimated to produce 9,329,670 kWh per year, which is enough electricity to power 848 homes.
SOUTH CARC	SC STATE GOVERNMENT	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	98,356	0	This Rural Development investment will be used to provide Technical Assistance to South Carolina Department of Agriculture's Agribusiness Center for Research and Entrepreneurship (ACRE) initiative. This initiative provides business development training, business planning, financial management training, and succession planning to farmers and agribusinesses. The recipient is located in Richland County, Congressional District 6, and the project focus areas are the counties of Barnwell, Bamberg, Calhoun, Colleton, McCormick, and Lee and the cities/towns of Darlington, Orangeburg, Moncks Corner, and Pickens, Congressional Districts 1, 2, 3, & 4.
SOUTH CARC	SCC ENTERPRISE CAMPUS	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	99,999	0	This Rural Development investment will be used to purchase furniture and equipment for the relocation to Spark Center SC. ReadySC is a nonprofit that operates the Workforce Employment Services for Spark Center SC, promoting economic development by providing recruiting and training solutions to businesses in Spartanburg and Cherokee counties.
SOUTH CARC	SIM HOTEL LLC	BI	GUARANTEED B&I 3% FEE LOAN	01/30/19	7,075,600	0	0	Holiday Inn hotel in spartanburg
SOUTH CARC	SOUTHERN CAROLINA REGIONAL DEV. ALLIANCE	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	200,000	0	THIS RURAL DEVELOPMENT INVESTMENT WILL ESTABLISH A REVOLVING LOAN FUND PROGRAM THAT WILL SUPPORT A REVITALIZATION INITIATIVE, SUPPORT NEW AND EMERGING BUSINESS OPERATION AND RESULT IN SELF-EMPLOYMENT AND/OR JOBS FOR THE WORKFORCE OF THE REGION. THIS INVESTMENT WILL ALSO ESTABLISH AND SUSTAIN A RURAL MICROENTREPRENEUR ASSISTANCE PROGRAM.
SOUTH CARC	SPORTSMAN BOATS MANUFACTURING, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/12/19	0	289,558	0	This Rural Development investment will be utilized to operate and install a renewable energy project 705kW photovoltaic solar system mounted on the roof of it manufacturing facility on it existing property in Summerville, SC. This investment will of $1,158,232 will allow the applicant to achieve its strategic objectives: 1). manage company growth and 2). increase it efforts by investing in renewable energy and reduce energy consumption. The solar photovoltaic equipment used in this project is commercially available for immediate investment, it also confirms that the energy savings measure will contribute to the funding objective goal of the REAP Program by creating and retaining jobs in rural areas through grant funds available from USDA, Rural Development.
SOUTH CARC	SPRINGFIELD SOLAR, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/28/18	9,011,000	0	0	
SOUTH CARC	UNITED FARMERS USA	SSDPG	PERSISTENT POVERTY GRANTS TO ASSIST MINORITY PRODUCERS	09/25/19	0	68,273	0	Rural Development funds will be utilized to provide technical assistance to farmers and members of cooperatives located in persistent poverty counties such as: Clarendon, Lee and Williamsburg.
SOUTH CARC	YOGESH OF ORANGEBURG, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/02/19	4,234,000	0	0	
SOUTH DAKC	BOYDS GUNSTOCK INDUSTRIES, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/15/19	0	2,994	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of high efficiency lighting. This project will realize $8,223 per year in savings, and will save 81,779 kWh of electricity per year (85%), which is enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operation.
SOUTH DAKC	BROOKINGS ECONOMIC DEVELOPMENT CORP.	RBEG	RBCS ENTERPRISE GRANTS	07/01/19	0	35,000	0	This Rural Development investment will help finance training and technical assistance for small and emerging businesses. Constituents in the city of Brookings and its commute region will have access to the Grow Existing Businesses; Entrepreneurship & Innovation Summit and follow up program. It is anticipated that as many as 26 small businesses will be assisted and 38 jobs will be supported.

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SOUTH DAKC	CENTRAL ELECTRIC COOPERATIVE, INC.	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	12/18/18	0	300,000	0	This Rural Development investment will be used to provide electric borrowers with economic development. This initial project will allow funds to be loaned to assist with building renovations and equipment to the Mitchell Technical Institute, in Mitchell, SD. The total project costs are $1,267,457 with other funds for this project coming from the South Dakota Governor's Office of Economic Development in the amount of $415,420 and Mitchell Technical Institute cash contribution of $552,037. The project is anticipated to save or create approximately 120 jobs. The facility upgrades are needed to make changes to classrooms and lab rooms due to changing and expanding curriculum for the students and also for upgrades to equipment and security systems.
SOUTH DAKC	CHUCK'S FOODLAND, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/24/19	0	39,160	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of energy efficient coolers, refrigeration units and LED lighting in the refrigeration units, in a rural grocery store. Fiesta Foods is located in Beresford, SD. This grocery store is vital to the residents in this rural area. This project will realize $28,246.88 per year in savings, and will replace 303,223 kWh's (76.2 percent) per year, which is enough electricity to power twenty-seven homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations.
SOUTH DAKC	CLAY UNION ELECTRICCORPORATION	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	05/13/19	0	300,000	0	This Rural Development investment will replenish a revolving loan fund. The initial loan of $300,000 will be made to the Vermillion Area Chamber & Development Company to help construct a 22,500 square foot Preservation Center building in Vermillion, South Dakota. This facility will be leased to the National Music Museum to help store and preserve over 15,000 musical instruments. Project costs are $2,451,615 with $1 million of other funds coming from the Rural Electric Economic Development Fund, and $1 million from a Commercial Lender and $151,615 from the applicant's cash contributions. It is anticipated this project will save and create 15 jobs.
SOUTH DAKC	CROSSWIND JERSEYS, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/21/19	0	11,663	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout a dairy operation. Crosswind Jerseys, LLC is a locally-owned dairy in Elkton, S.D. that milks over 1,300 cows daily. The dairy provides jobs to 18 employees. This project will realize $15,031.96 per year in savings, and will replace 200,194 kWh (80.9%) per year, which is enough electricity to power 18 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations.
SOUTH DAKC	DEADWOOD HOTELS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/08/19	10,000,000	0	0	This Rural Development loan guarantee investment will be used for the construction of a Four Point by Sheraton brand hotel in Deadwood, SD. The hotel will primarily provide services to the tourists exploring Historic Deadwood and the Black Hills region. This project will result in the creation of 30 jobs. The borrower will be contributing $4,696,557 of their own funds. The lender is Black Hills Federal Credit Union.
SOUTH DAKC	FARMERS STATE BANK	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/24/19	0	5,820	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting, in a rural community bank. Farmers State Bank located in Parkston, SD is vital to the residents and businesses in this rural area. This project will realize $5,146.28 per year in savings, and will replace 45,130 kWh's (62.4 percent) per year, which is enough electricity to power four homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations.
SOUTH DAKC	FIRST PEOPLES FUND	RBEG	PERSISTENT POVERTY RBCS BUSINESS ENTERPRISE GRANT	06/19/19	0	46,959	0	This Rural Development investment will be used to provide training and technical assistance projects to eight small and emerging art businesses. This will result in eight jobs saved in Oglala Lakota county, with more than half of the project beneficiaries operating in Kyle, SD.
SOUTH DAKC	FORT PIERRE DEVELOPMENT CORPORATION	RBEG	RBCS ENTERPRISE GRANTS	06/20/19	0	86,000	0	This Rural Development investment will be use to establish a revolving loan fund for new small businesses in Stanley county, SD.
SOUTH DAKC	FOUR BANDS COMM FUND INC	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	50,283	0	Rural Development funds will be to provide technical assistance.

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SOUTH DAKC	GROW SOUTH DAKOTA	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG GRANTS	09/24/19	0	24,348	0	Rural Development Loan funds will be used to capitalize a Rural Microloan Revolving Fund to make microloans to rural microentrepreneurs and microenterprises.
SOUTH DAKC	GROW SOUTH DAKOTA	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	288	0	Rural Development Loan funds will be used to capitalize a Rural Microloan Revolving Fund to make microloans to rural microentrepreneurs and microenterprises.
SOUTH DAKC	HEARTLAND CONSUMERS POWER DISTRICT	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	06/07/19	0	0	400,000	This Rural Development investment will be used to provide assistance to the City of Volga to make major infrastructure upgrades to help accommodate a new business expansion in Volga, SD. It is anticipated this project will create 35 jobs and save 7 jobs.
SOUTH DAKC	HEARTLAND CONSUMERS POWER DISTRICT	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	06/07/19	0	300,000	0	This Rural Development investment will be used to provide assistance to the City of Volga to make major infrastructure upgrades to help accommodate a new business expansion in Volga, SD. It is anticipated this project will create 35 jobs and save 7 jobs.
SOUTH DAKC	HEARTLAND CONSUMERS POWER DISTRICT	IRP	INTERMEDIARY RELENDING PROGRAM	05/30/19	0	0	1,000,000	This Rural Development investment will help finance loans to small and emerging businesses and community facility projects in a 14 county area. It is anticipated that as many as 10 small businesses will be assisted and more than 121 jobs will be created or saved.
SOUTH DAKC	HERREID ECONOMIC DEVELOPMENT CORPORATION	RBEG	RBCS ENTERPRISE GRANTS	06/20/19	0	99,000	0	This Rural Development investment will help establish a small business incubator. A grocery store facility will occupy the building. This community is lacking a grocery store as the nearest one is 14 miles, making this a rural food desert as defined by USDA. Not only will the population of 438 benefit from a local food store, but seven jobs will be saved.
SOUTH DAKC	KUECKER SEED FARM, INC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/24/19	0	37,215	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting, HVAC, and insulation throughout and agricultural operation's shop building. Kuecker Seed Farm Inc. is an agricultural producer that primarily produces corn, soybeans, and wheat. This project will realize $3,460 per year in savings, and will replace 30,628 kWh (52.7%) per year, which is enough electricity to power two homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations.
SOUTH DAKC	LAKE FRANCIS CASE DEVELOPMENT CORP	RBEG	PERSISTENT POVERTY RBCS BUSINESS ENTERPRISE GRANT	06/13/19	0	95,000	0	This Rural Development investment will help finance a revolving loan fund and technical assistance for business development services in Chamberlain, Oacoma, Pukwana, Ft. Thompson, and Lower Brule, South Dakota. Funds will be used to provide capital to small and emerging businesses and provide business assessments and technical assistance to area business.
SOUTH DAKC	LANGER'S SUPERMARKETS, INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/25/19	0	3,767	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting in a grocery store. Langer's Supermarkets is a locally owned grocery store located in Gettysburg, SD. They provide fresh fruit, vegetables and other food items to a rural area. The project will realize savings of $1,745.00 annually and 20,457 kWh's (53.18%)per year, which is enough electricity to power one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations.
SOUTH DAKC	MAIER, RUSSELL	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/22/19	0	9,043	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of new overhead doors and insulation, in a rural community business. Maier Hay Grinding located in Bowdle, SD is vital to the ag producers in this rural area. This project will realize $7,955.48 per year in savings, and will replace 390,398 kWh's (79.3 percent) per year, which is enough electricity to power thirty-six homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
SOUTH DAKC	MARTIN, DANIEL C	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/25/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting, HVAC and new coolers and refrigeration units in a grocery store. Daniel Martin dba Pop's Grocery in Herreid, SD is vital to the residents of this rural area, supplying fresh fruits, vegetable and other food items. This project will realize savings of $13,277.86 annually and 217,662 kWh's per year (60.01%), which is enough electricity to power 20 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations.
SOUTH DAKC	NESDEC	IRP	INTERMEDIARY RELENDING PROGRAM	02/14/19	0	0	554,881	This Rural Development investment will be used to provide low-interest loans to Northeast South Dakota Economic Corporation for the financing of small businesses within the counties of Brown, Beadle, Clark, Day, Edmunds, Faulk, Hand, Jerauld, Marshall, McPherson, Potter, Roberts, Spink and Walworth. It is anticipated that this loan will create/save 78 jobs.
SOUTH DAKC	NESDEC	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	32,830	0	Funds will be used to provide technical assistance to small businesses in South Dakota
SOUTH DAKC	PRAIRIE BERRY LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	10/31/18	1,280,000	0	0	This Rural Development investment will be used to refinance debt for RMS Lode, LLC. This entity is the real estate holding company for Prairie Berry, LLC in Hill City, SD. This operation is a winery that purchases fruit and honey from local agricultural producers as well as out of state producers. It is estimated that the improved cash flow from the debt refinance will allow the business to grow and create one new job.
SOUTH DAKC	REDFIELD ENERGY LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	05/24/19	0	250,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a Thin Stillage Solid Separation System. Redfield Energy, LLC produces ethanol at its Redfield, SD facility. This project will realize $792,735 per year in savings, and will replace 95,208,650 kWh (94%) per year, which is enough electricity to power 8785 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energ[Uefficiency improvements to their operations.
SOUTH DAKC	RUPIPER, LARRY I	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	13,094	0	This Rural Development investment will be used for the purchase and installation of a 27kw solar system. The system is estimated to produce 35,707 kWh per year, which is enough electricity to power three homes. The value of the energy to be replaced with this renewable energy system is $5,460. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
SOUTH DAKC	SOUTH EASTERN DEV FOUNDATION	IRP	INTERMEDIARY RELENDING PROGRAM	05/07/19	0	0	500,000	This Rural Development investment will be used to establish a subsequent Revolving Loan Fund for relending to small businesses for community development projects in the service area of Clay, Lincoln, McCook, Minnehaha, Turner and Union counties. South Eastern Development Foundation is a community development lender that was founded January 7, 2002. These IRP loan funds will be leveraged with private contributions which will also provide support for community economic development. It is anticipated that this loan will create/save approximately 14 jobs, along with the projected businesses.
SOUTH DAKC	STURGIS MEATS, LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	06/27/19	1,162,000	0	0	This Rural Development loan guarantee investment will be used for the purchase of a meat processing facility in Sturgis, SD. The facility will process custom meat and value-added products for local agricultural producers, resulting in financial benefits to the producers. Sturgis Meats, LLC will also market and sell products locally. This project will save 25 jobs and create 5 additional jobs. The applicant will be contributing $280,000 of their own funds. The lender is First National Bank - Sturgis.
SOUTH DAKC	TILBERG, SUSAN	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/23/19	0	19,985	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. The Susan Tilberg Farm is a family owned farm that grows corn and soybeans and raises cattle near Ethan, SD. This project will realize $8,161 per year in savings, and will replace 128,761 kWh (37%) per year, which is enough energy to power eleven homes. The purpose of this funding program is to assist farmers, ranchers,and rural small businesses in developing renewable energy systems, and in making energl efficiency improvements to their operations.

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SOUTH DAKC	VALUE ADDED AG DEV CENTER INC	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/20/19	0	148,844	0	This Rural Development investment is to provide technical assistance during FY 2020 to assist both new and existing coops in adding value to ag products, along with assisting businesses in doing the same.
SOUTH DAKC	VALUE ADDED AG DEV CENTER INC	RBEG	PERSISTENT POVERTY RBCS BUSINESS ENTERPRISE GRANT	06/18/19	0	99,999	0	This Rural Development investment will be used to provide technical assistance to the newly formed Tanka Resilient Agriculture Coop and any associated small private businesses in growing the buffalo processing and marketing industry on the Pine Ridge Reservation.
SOUTH DAKC	W RIVER FOUNDATION	IRP	INTERMEDIARY RELENDING PROGRAM	06/07/19	0	0	750,000	This Rural Development investment will be used for a revolving loan fund for West River Foundation to re-lend to provide capital and financing to businesses that will assist with economic and community development in the service areas. Financial resources for small towns and rural areas can help improve local economies to stabilize and grow with the development of new and existing businesses. It is projected that this loan will create/save 120+ jobs and 10 projected businesses. This will help to make community economic development an affordable reality for small towns in rural western South Dakota.
SOUTH DAKC	WEST CENTRAL ELECTRIC COOP.	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	09/05/19	0	300,000	0	This Rural Development investment is a subsequent Revolving Loan Fund for West Central Electric Cooperative, Inc. The funds will be utilized by Philip Health Services, Inc. to add an additional twelve beds and remodel the existing nursing home and assisted living facility.
SOUTH DAKC	WEST RIVER ELECTRIC ASSOCIATION, INC.	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	06/07/19	0	154,400	0	This Rural Development investment will be used to provide assistance to the City of Wall to purchase a new ambulance that will be leased to the Eastern Pennington Ambulance District. It is anticipated that this project will save eight jobs.
SOUTH DAKC	WESTLAND MANUFACTURING, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/28/19	0	8,800	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting at the Dakotaland Manufacturing buildings in Watertown, SD. This project will realize $15,321 per year in savings, and will save 166,539 kWh of electricity per year (69 percent), which is enough electricity to power 15 homes. Total project cost of $35,200 including: $8,800 RD grant and applicant contribution of $26,400.
SOUTH DAKC	ZIMPRICH, DANIEL L	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/03/19	0	61,252	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a grain drying system. The Zimprich farm is located in Hamlin County, rural Hazel, SD. This project will realize $7,185.00 per year in savings, and will replace 60,536 kWh's (57.8 percent) per year, which is enough electricity to power five homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations.
TENNESSEE	287 PARTNERSHIP, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/17/19	0	250,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting and energy controls for air compressor systems throughout the commercial building. 287 Partnership, LLC is an existing business that leases commercial real estate property. This project will realize $50,500 per year in savings, and will replace 595,587 kWh (15.93%)per year, which is enough electricity to power 50 homes. The purpose of the funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations.
TENNESSEE	ALLEN, WILLIAM R DBA SEQ VALLEY EYE CARE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	11,119	0	This Rural Development investment will be used for the purpose and installation of a 16 kW solar array. Sequatchie Valley Eye Care is a small eye care business in the rural area. Mr. William Randolph, dba Sequatchie Valley Eye Care, will realize $2,018 per year in savings, and will generate 22,424kWh (101% savings) per year. This project will save enough electricity to power 2 homes. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	ALMOST HEAVEN RESORT AND WEDDINGS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/19/19	2,985,000	0	0	Rural Development funds will be used to finance a business acquisition including the purchase of ten cabins, one chalet and two wedding venues on 121 acres of beautiful mountain-top land in rural Sevier county. Five new jobs will be created as a result of this project. Overall, the wedding and events venue will increase the tax base and boost economic activity in the community. The total project cost is $4,215,000.

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TENNESSEE	APPALACHIAN ELECTRIC COOPERATIVE	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	05/14/19	0	0	1,140,000	The Rural Development investment is for the purchase of 68 acres of land to be added to the inventory of property owned by the Industrial Development Board of the City of Jefferson City. The land will support a building up to 500,000 square feet. The overall project will spur economic development and ultimately create jobs in rural Jefferson County.
TENNESSEE	AYAAN HOSPITALITY LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	49,856	0	This Rural Development investment will be used for the purchase and installation of a 52.48 kW solar array. AYAAN Hospitality LLC, a family owned hotel, will realize $9,605 per year in savings, and will generate 73,885 kWh per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	BRISTOL CHAMBER OF COMMERCE	RBEG	RBCS ENTERPRISE GRANTS	06/14/19	0	61,580	0	This Rural Development investment will be used to improve the Bristol Chamber of Commerce's tourism website. The modernized website will create a marketable platform that will increase tourism and tourism revenue in the rural town. In turn, the region will benefit from enhanced economic activity. A $10,000 applicant contribution is included in the total project cost of $71,580.
TENNESSEE	CANEY FORK ELECTRIC COOPERATIVE INC	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	05/14/19	0	0	1,670,763	This Rural Development investment is for the construction of a 50,000 square foot speculative building in the Mountain View Industrial Park in rural Warren County, Tenn. This project will increase employment, diversify the local economy, and expand the local tax base. An applicant contribution of $417,690 is included in the total project.
TENNESSEE	CANEY FORK ELECTRIC COOPERATIVE INC	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	06/05/19	0	0	2,000,000	This Rural Development investment will provide funding for renovations to buildings in the Warren County School system. Weatherization and upgrades to lighting, HVAC systems, and Energy Controls in the buildings will be completed with the funds. The modernization of the facilities will have a positive impact on the fiscal integrity of the school system. A $7,251,857 applicant contribution is committed to the project. The total project cost is $9,251,857.
TENNESSEE	CARLEN MOTORS, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/17/19	0	19,812	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the dealership. Carlen Motors, Inc is an existing business that sells vehicles to the local area. This project will realize $12,488 per year in savings, and will replace 128,610 kWh of electricity per year (42%) which is enough electricity to power 12 homes.The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	CARROLL COUNTY	RBEG	RBCS ENTERPRISE GRANTS	06/24/19	0	28,425	0	This Rural Development investment is to purchase necessary computer equipment for access to a research based training program that will prepare candidates for the ACT National Career Readiness Certificate (NCRC) in Carroll County.
TENNESSEE	CHATTANOOGA STATE COMMUNITY COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	06/20/19	0	34,805	0	Rural Development funds will be used to install two Amatrol Skill Boss training systems, hands on assessment equipment for modern manufacturing production including assembly and machine operations.
TENNESSEE	CRC3, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/12/19	0	44,607	0	This Rural Development investment will be used for the purchase and installation of a 79.57kW solar array. CRC3, LLC., a real estate holding company that leases space to local sports organizations, will realize $9,028 per year in savings, and will replace 105,600 kWh (97.53%) per year. This project will save enough electricity to power 13 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	CUMBERLAND TOYOTA	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/10/19	0	49,950	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the facility. Cumberland Toyota is an existing business that sells vehicles to the local area. This project will realize $60,337 per year in savings, and will replace 876,159 kWh of electricity per year (96%) which is enough electricity to power 80 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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TENNESSEE	DAVIDSON, REBECCA WALLACE	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/20/19	0	16,949	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting, replacement of HVAC system, and energy efficient roof improvements to the building. Becky Wallace-Davidson owns a building she will be leasing to commercial tenants in downtown Athens. This project will realize $3,080 per year in savings, and will replace 67,796 kWh (61.22%) per year, which is enough electricity to power 1 home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	DICKSON COUNTY CHAMBER OF COMMERCE	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	15,000	0	This Rural Development investment will be used to purchase directional signage for rural Dickson county. The local Chamber of Commerce will oversee this project. This investment is vital to businesses located in the downtown district and will benefit the region by increased economic development.
TENNESSEE	DISTRIBUTED SOLAR HOLDINGS, LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	04/18/19	1,100,000	0	0	This Rural Development loan guarantee investment will be used for the acquisition of a 1.51MW solar array which is located in 29 eligible sites, ground and rooftop mounted in local schools in the Hawkins and Cocke Counties. The borrower is leasing the sites and solar array is utilized for energy generation to sell directly to the grid in Tennessee Valley Authority. Distributed Solar Holdings, LLC will realize $514,602 per year in savings. This project will generate 2,339,098 kWh per year, which is enough electricity to power 216 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. The project will only save 1 job. The matching funds for this project are as following: borrower cash injection in the amount of $269,175 and West Town Bank & Trust conventional note in the amount of $485,290.
TENNESSEE	DYERSBURG STATE COMMUNITY COLLEGE	DLHT	DELTA HEALTH CARE SERVICES GRANT	04/12/19	0	650,619	0	This Rural Development investment will be used to increase the number of health care professionals serving northwest Tenn. by expanding and enhancing the registered nursing, advanced emergency medical technician, and paramedic training programs at the Dyersburg State Community College, Jimmy Naifeh Center. One job will be created at the college in relation to this project. Additionally, the Northwest Tenn. Development Council will distribute educational information regarding opioid misuse and treatment options for residents in the rural community. The benefit of access to healthcare services is critical to good health and well-being for rural residents.
TENNESSEE	EXCEL BOAT COMPANY LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/19/19	1,400,000	0	0	This Rural Development investment will be used for a loan guarantee for an expansion of the Excel Boat Manufacturing Plant in Union City, Tennessee. The funds will be used to purchase machinery and equipment and to refinance an existing debt. The Excel Boat Company opened for manufacturing in June 2009 in Mountain View, Arkansas. Today the company builds 35 models of boats. Excel Boat Company has quickly become known for quality boats, good customer service, and dealer relations. This is an excellent growth opportunity for the boat company as well as for Union City in Obion County, Tennessee. Other sources of funds contributing to the project are coming from the borrower in the amount of $347,765 and equity through the New Market Tax Credit structure in the amount of 3,789,222. The Excel Boat Company is a family-oriented company, offering their employees medical and dental coverage as well as vacation and family personal time. They have a comprehensive education program to develop employeeî soft skills, safety programs, and team building. They also partner with local vocational schools to develop initial specific trade employee skills, an apprentice program. This project is projecting the creation of 170 new jobs.

RBCS FY2019 Obligations

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TENNESSEE	EXCEL BOAT COMPANY LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/19/19	3,100,000	0	0	This Rural Development investment will be used for a loan guarantee for an expansion of the Excel Boat Manufacturing Plant in Union City, Tennessee. The funds will be used to purchase machinery and equipment and to refinance an existing debt. The Excel Boat Company opened for manufacturing in June 2009 in Mountain View, Arkansas. Today the company builds 35 models of boats. Excel Boat Company has quickly become known for quality boats, good customer service, and dealer relations. This is an excellent growth opportunity for the boat company as well as for Union City in Obion County, Tennessee. Other sources of funds contributing to the project are coming from the borrower in the amount of $347,765 and equity through the New Market Tax Credit structure in the amount of 3,789,222. The Excel Boat Company is a family-oriented company, offering their employees medical and dental coverage as well as vacation and family personal time. They have a comprehensive education program to develop employeeâ soft skills, safety programs, and team building. They also partner with local vocational schools to develop initial specific trade employee skills, an apprentice program. This project is projecting the creation of 170 new jobs.
TENNESSEE	FIRST TENNESSEE DEVELOPMENT DISTRICT	RBEG	RBCS ENTERPRISE GRANTS	06/26/19	0	19,700	0	This Rural Development investment will be used for technical assistance by the First Tenn.Development District. The project is to update and redistribute a regional directory of manufacturers. The investment will allow better communication, cooperation, and collaboration between regional business partners. The region will benefit through enhanced economic development.
TENNESSEE	GMS HOTELS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/30/19	10,000,000	0	0	Live Oak Bank is applying to receive $10,000,000 in B&I Guaranteed Loan funding to assist GMS Hotels, LLC in construction of a new MainStays Suites Hotel in Gatlinburg, TN. GMS Hotels is a new LLC founded in 2018, and will create a projected 21 jobs.
TENNESSEE	GRAND JUNCTION, CITY OF	RBEG	RBCS ENTERPRISE GRANTS	06/26/19	0	35,000	0	This Rural Development investment will be used to purchase equipment for the City of Grand Junction to utilize at its farmer's market. This investment is necessary to provide vendors with tables, chairs, shelving and displays to increase the sell of goods. The population will benefit from access to local foods and increased economic activity.
TENNESSEE	HAMM, GARY AND LINDA	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/15/19	0	31,210	0	This Rural Development investment will be used for the purchase and installation of a 49.7 kW solar array on Erin's Farm. Erin's Farm is a Christmas tree farm that also produces blueberries. This project will realize $5,148 of saving per year and is estimated to produce 68,642kWh, which will save enough energy to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	HARRISON, JOHN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/14/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 113.9 KW Solar Array. Sweetwater Valley Farm, a family owned dairy and cheese production facility, will realize $8,796 per year in savings, and will replace a 131,285 kWh per year. This project will save enough electricity to power 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	HUFFMAN, GLENDA F	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	10,755	0	This Rural Development investment will be used for the purchase and installation of a 15.36kW ground mount Solar Photovoltaic System for the Huffman Poultry Houses. This project projects to generate 24,945 kWh (100%) per year and realize $2,993.41 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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TENNESSEE	KATOM RESTAURANT SUPPLY, INC.	BI	GUARANTEED B&I 3% FEE LOAN	07/15/19	10,000,000	0	0	This Rural Development loan guarantee investment will be used for business expansion and debt refinance. KaTom Restaurant Supply, Inc and its co-borrower, GGT Properties, LLC are wholesale restaurant and kitchen supplier who provide products to restaurants, schools, prisons, hospitals, hotels, convenience stores, grocery stores, and the public. KaTom Restaurant Supply, Inc has been in business since 1987. The project involves the refinance of existing debt in the amount of $3,818,675 , in addition to a 24,000 square foot expansion of the building's footprint for warehouse space, and interior expansion of 18,000 square feet for office and demonstration area, all in the amount of $5,920,225. The project is including $261,100 in fees and costs. This project will assist in creating 25 new jobs and retain 163 existing jobs. Moreover, the project is a collaboration between Rural Development and Small Business Administration Guarantee Loan Program. Small Business Administration Loan Program will finance $2,600,000 for the project.
TENNESSEE	KERSEY, GERALD B.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/15/19	0	4,005	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout their business building . Gerald B Kersey dba SAMC Leasing is an existing non-residential leasing business in the local area. This project will realize $2,229 per year in savings, and will replace 19,321 kWh (37%) per year, which is enough electricity to power 2 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	KP PARADISE LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	02/28/19	0	19,746	0	The Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the store. KP Paradise, LLC doing business as Cash Savers is an existing business that sells grocery and produce to the local area. This project will realize $15,321 per year in savings and will replace 255,353 kWh (70%) per year, which is enough electricity to power 23 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	LEXINGTON CITY OF	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	22,500	0	This Rural Development investment will be used to plan and construct a free, public Wi-Fi zone in the city of Lexington. This investment is necessary to bridge the digital divide and foster a connected community of opportunities for tourism enhancement, business creation, family literacy, and workforce training. The population will benefit through enhanced economic development.
TENNESSEE	MARTIN METHODIST COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	06/19/19	0	50,000	0	Rural Development funds will be used to provide skills training and workshops for entrepreneurs to learn strategies for competing in our changing rural economy.
TENNESSEE	MEHAFFEY, MIRANDA	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	6,921	0	This Rural Development investment will be used for the purchase and installation of a 9.86 kW solar array on Earth Kin Farm. Earth Kin Farm provides organic vegetables and pasture raised hormone free chicken, beef and pork. This project will replace 13,056 kWh (100%) per year and realize $1,175 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	MI MONTANA, LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/27/19	6,600,000	0	0	Funds will be used to refinance debt on the existing motor coach business.
TENNESSEE	MIDDLE TENN INDUSTRIAL DEV ASSOCIATION	RBOG	RBCS DEVELOPMENT GRANT	06/25/19	0	45,000	0	This Rural Development investment will be used to fund a Wage and Benefit Study in rural Tenn. The project will assist rural communities with recruitment and retention of industries by providing an accurate understanding of the wage and benefit structure in the region. The population will benefit through enhanced economic development.
TENNESSEE	MIDDLE TENNESSEE LUMBER COMPANY, INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/22/19	0	12,534	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the building. Middle Tennessee Lumber Company, Inc. is an existing lumber company that produces hardwood. This project will realize $9,452 per year in savings, and will replace 95,041 kWh (44%) per year, which is enough electricity to power 8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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TENNESSEE	MIDDLE TENNESSEE STATE UNIVERSITY	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	11,250	0	This Rural Development investment will be used to conduct a Rural Entrepreneurship Study through Middle Tenn. State University. This investment is necessary to provide technical assistance and training to adult students and entrepreneurs in rural Cannon, Bedford, Coffee and Marshall counties. The region will benefit through enhanced economic activity.
TENNESSEE	MOTLOW STATE COMMUNITY COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	06/24/19	0	49,945	0	FY19 This project is to obtain training equipment for the mechatronics program.
TENNESSEE	MT. JULIET PROPERTY GROUP, LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/29/18	5,000,000	0	0	This Rural Development investment will be used for the new construction of a Gold's Gym located in Mt. Juliet, Wilson County, TN. The gym is approximately 54,000 sf and will be located on 3.5 acres. The project will create 23 new jobs.
TENNESSEE	NEWTON CHEVROLET, BUICK, GMC, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/17/19	0	12,424	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the dealership. Newton CHEVROLET, BUICK, and GMC is an existing business that sells vehicles to the local area. This project will realize $14,374 per year in savings, and will replace 148,021 kWh (54%) per year, which is enough electricity to power 13 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	NEWTON FORD, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/17/19	0	13,495	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the dealership. Newton Ford is an existing business that sells vehicles to the local area. This project will realize $15,116 per year in savings, and will replace 155,671 kWh (49%) per year, which is enough electricity to power 14 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	NEWTON NISSAN OF GALLATIN INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/12/19	0	44,825	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the dealership. Newton Nissan of Gallatin is an existing business that sells vehicles to the local area. This project will realize $55,591 per year in savings, and will replace 572,484 kWh (49%) per year, which is enough electricity to power 52 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	NEWTON NISSAN SOUTH	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/12/19	0	31,568	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the Newton Nissan South dealership. Newton Nissan is an existing business that sells vehicles to the local area. This project will realize $37,205 per year in savings, and will replace 383,161 kWh (44%) per year, which is enough electricity to power 35 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	NORTHEAST STATE COMMUNITY COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	06/27/19	0	49,595	0	This Rural Development investment will be used to purchase equipment for Northeast State Community College's Welding Program. This investment is necessary to provide students the opportunity to learn advanced welding skills using current industry standard welding and metal fabrication equipment. This project will prepare hundreds of students for the workforce, and will provide local manufacturers with a consistent supply of adequately trained workers.
TENNESSEE	OBION COUNTY JOINT ECONOMIC DEV. CORP.	RBEG	RBCS ENTERPRISE GRANTS	06/18/19	0	10,000	0	This Rural Development investment is to provide technical assistance for due diligence studies of the Titan Industrial property in Union City, Tenn. The result of this investment will increase the possibility of future industrial development in the rural community. The population will benefit from increased economic development in the region. A $90,000 applicant contribution is included in the $100,000 total project cost.
TENNESSEE	PORTLAND PRESERVATION FOUNDATION	RBEG	RBCS ENTERPRISE GRANTS	06/25/19	0	25,550	0	

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
TENNESSEE	RISING SUN CORPORATION	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/15/19	0	34,475	0	This Rural Development investment will be used for the purchase and installation of a 52.48 kW canopy mount Solar Photovoltaic System. Rising Sun Corporation owns Legends Express restaurant and will realize $9,801.74 per year in savings, and will replace 75,398 kWh (51.92 %) per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	ROBERTSON COUNTY CHAMBER OF COMMERCE	RBEG	RBCS ENTERPRISE GRANTS	06/25/19	0	8,700	0	This Rural Development investment will be used to purchase a mobile events trailer, tents, tables, and wheelchair ramps for the Robertson County Chamber of Commerce. This equipment will be used by small business owners in the rural community. This investment will provide enhanced services to the population and increase economic activity in the region.
TENNESSEE	SAVANNAH INDUSTRIAL DEVELOPMENT CORP	RBEG	RBCS ENTERPRISE GRANTS	06/25/19	0	20,000	0	This Rural Development investment will be used to renovate and reconfigure two pieces of signage located at the main entrances of the Savannah Industrial Development Park. Direct benefits are provided to the tenants of the industrial park. In addition, the investment will aid in the recruitment of new businesses to the site. The region will benefit through enhanced economic activity.
TENNESSEE	SOUTH CENTRAL TN DEVELOPMENT DIST	RBEG	RBCS ENTERPRISE GRANTS	06/26/19	0	50,000	0	This Rural Development investment will be used to provide skills training and workshops at the South Central Tenn. Development District. The project will benefit entrepreneurs and small business owners in 13 rural counties. The investment is necessary for business to compete in the changing rural economy.
TENNESSEE	SOUTHWEST HUMAN RESOURCE AGENCY	RBEG	RBCS ENTERPRISE GRANTS	06/26/19	0	50,000	0	This Rural Development investment will be used to conduct a study of current economic conditions in the eight county service area of Southwest Human Resource Agency. This investment is necessary to determine the needs of the region in relation to unemployment and recommendations for job growth. The region will benefit through enhanced economic activity.
TENNESSEE	STATE OF TENNESSEE	RBEG	RBCS ENTERPRISE GRANTS	06/25/19	0	41,625	0	This Rural Development investment will be used to provide technical assistance to the Tenn. Main Streets program. The local partners will collect and provide reinvestment statistic data for 35 nationally accredited communities. The data will be used to provide assistance in recruiting and retaining businesses and jobs in rural areas. The region will benefit through enhanced economic activity.
TENNESSEE	STATE OF TENNESSEE	RBEG	RBCS ENTERPRISE GRANTS	06/18/19	0	43,500	0	This Rural Development investment is to fund a Retail Academy for communities and small towns in Tenn. This program will provide data and training to recruit retail businesses and grow small businesses in rural areas. The region served will benefit from increased economic activity. A $230,000 applicant contribution is included in the $273,500 total project cost.
TENNESSEE	STEAM PLANT ROAD PROPERTIES LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/18/19	0	60,332	0	This Rural Development investment will be used for HVAC and insulation upgrades to reduce energy consumption and demand. Steam Plant Road Properties LLC owns, manages, and operates commercial real estate. This project will realize $24,982 per year in savings, and will replace 302.8 kWh (9.5%) per year, which is enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	STONE INVESTMENTS, LLC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/15/19	0	32,250	0	This Rural Development investment will be used for the purchase and installation of a 53.76 kW roof mount Solar Photovoltaic System. Stone Investments, who owns the respective medical building, will realize $6,518.59 per year in savings, and will replace 71,682 kWh (59%) per year. This project will save enough electricity to power 7 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	STORM MANUFACTURING CORPORATION	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/15/19	0	17,721	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout their manufacturing facility. Storm Manufacturing Corporation is an existing copper electrical connector manufacturing business in the local area. This project will realize $31,836 per year in savings, and will replace 397,950 kWh (54%) per year, which is enough electricity to power 37 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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TENNESSEE	SWAFFORD, WILLIAM LOGAN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	20,000	0	This Rural Development investment will be used for the purpose and installation of a 40 kW solar photovoltaic system. Mr. Swafford is small poultry business owner/farmer. Mr. William Logan Swafford, will realize $4,826 per year in savings, and will generate 54,152 kWh (103% savings) per year, This project will save enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	TCAT ONEIDA/HUNTSVILLE	RBEG	RBCS ENTERPRISE GRANTS	06/19/19	0	69,418	0	This Rural Development investment will be used to fund the purchase of three trainer trucks that will be used in the new Diesel Powered Technology Program at TCAT Oneida/Huntsville. USDA Rural Development is providing $69,418 RBDG Grant to go along with an additional $289,500 of matching funds for a total project cost of $358,918.
TENNESSEE	TCAT ONEIDA/HUNTSVILLE	RBEG	RBCS ENTERPRISE GRANTS	06/25/19	0	50,000	0	This Rural Development investment will be used to purchase welding equipment for the Tenn. College of Applied Technology. This investment is necessary to provide improved services to students of the Welding Technology program. This project provides training and development for adult students and increases the pool of highly skilled workers for local manufacturers.
TENNESSEE	TENNESSEE CATTLEMEN'S ASSOCIATION	RBOG	RBCS DEVELOPMENT GRANT	06/25/19	0	50,000	0	This Rural Development investment will be used to complete a feasibility study for a cull cow processing facility in rural Tenn. The result of the study will examine practicality and other elements of feasibility, such as acceptance by clients and professionals. The region will benefit through enhanced economic activity.
TENNESSEE	TENNESSEE STATE UNIVERSITY	RBEG	RBCS ENTERPRISE GRANTS	06/25/19	0	45,000	0	This Rural Development investment will be used for technical assistance and workshops for farmers at Tenn. State University. The college will provide improved services focusing on educating minority, socially disadvantaged, and veteran farmers. This investment is necessary to educate farmers to manage land sustainable and increase farm production. The region will benefit through enhanced economic activity.
TENNESSEE	TENNESSEE WESLEYAN COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	06/19/19	0	50,000	0	The LITE House is a community initiative to establish a centralized point of an entrepreneurial eco-system that serves McMinn and surrounding counties. Two of the programming initiatives of The LITE House is to develop a full equipped co-working space and coding education for the entrepreneurial community.
TENNESSEE	THE BUILDING BARN, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	4,665	0	This Rural Development investment will be used for the purchase and installation of a 6.38kW roof mount Solar Photovoltaic System for The Building Barn,LLC. The Building Barn, LLC provides customized building, cooking, and nature legacy experience for families, friends and businesses. This project projects to generate 8,836 kWh (100%) per year and realize $795.24 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	TKC HOSPITALITY I, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/09/19	0	62,500	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of HVAC Systems and LED Lighting throughout the hotel. The TKC Hospitality I, LLC d/b/a as The Ramsey Hotel is an existing business that provides lodging and a conference center to the Sevier County region. This project will realize $48,759 per year in savings, and will replace 471,752 Kwh per year, which is enough to power 39 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	UNION COUNTY CHAMBER OF COMMERCE	RBEG	RBCS ENTERPRISE GRANTS	06/17/19	0	10,000	0	This Rural Development Investment will be used to conduct a feasibility study to determine the impact of real estate improvements at Big Ridge State Park in rural Union County. The lack of modern facilities in the area make this investment necessary. A $10,000 applicant contribution is made to the total project cost of $20,000.
TENNESSEE	UNIVERSITY OF TN	RBEG	RBCS ENTERPRISE GRANTS	06/20/19	0	43,500	0	This Rural Development investment will be used to purchase machinery and equipment for the University of Tenn. at Martin. The result of this investment will deliver new and improved services to students and entrepreneurs in rural west Tenn. The region will benefit through enhanced job opportunities in mechatronics.
TENNESSEE	UNIVERSITY OF TN	RBEG	RBCS ENTERPRISE GRANTS	06/25/19	0	40,000	0	Rural Development funds will be used to establish a entrepreneurship training program to assist farmers and small business in Tennessee to provide support, resources and training.

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TENNESSEE	UPPER CUMBERLAND TOURISM ASSOCIATION	RBEG	RBCS ENTERPRISE GRANTS	06/25/19	0	50,000	0	This Rural Development investment will be used for workshops and social media content development through the Upper Cumberland Tourism Association. Its Regional Tourism Business Enhancement Program will assist local small businesses with marketing. The region will benefit through enhanced economic activity.
TENNESSEE	VAN SLYKE, MATTHEW	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/22/19	0	6,748	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the business. Running Springs Quarter Horse and Cattle Company is an existing business that has boarding horses and produces cattle. This project will realize $2,876 per year in savings, and will replace 21,312 kWh (56%) per year, which is enough electricity to power 2 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TENNESSEE	WALTERS STATE COMMUNITY COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	06/18/19	0	51,457	0	This Rural Development investment will be to purchase simulation equipment for the nursing program at Walters State Community College in Hamblen County. The lack of modern equipment made this investment necessary. The new and improved equipment will benefit the rural population by advancing access to modern healthcare through well-trained nurses. A $28,482 applicant contribution is included in the $79,939 total project cost.
TENNESSEE	WEAKLEY CO. ECONOMIC DEVELOPMENT BOARD	RBEG	RBCS ENTERPRISE GRANTS	06/20/19	0	15,450	0	This Rural Development investment is to fund Due Diligence studies of a 91 acre industrial site in rural Weakley County, Tenn. The result of this project is to determine the environmental impacts, marketability, and feasibility of developing the site. The region will benefit from increased economic activity.
TENNESSEE	WEBB FARM SOLAR SYSTEM, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	101,924	0	The Rural Development investment will be used for the purchase and installation of a 243 KW solar array of panels. The Webb Farm Solar Systems, Inc., is a minority owned solar farm, and will generate 335,133 kWh, which is enough electricity to power 31 homes. The purpose of this funding is to assist farmers, ranchers, and rural small businesses in developing energy-efficiency improvements to their operations.
TENNESSEE	WILLOW PLACE REALTY LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	20,000	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a roof top 50kW solar array for the business. Willow Place Realty LLC is a local commercial rental business. This project will realize $4,817 per year in savings and will replace 64,226 kWh per year, which is enough electricity to power 6 homes.The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
TEXAS	1207 AVENUE F NW INVESTMENTS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	19,875	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will install 39KW solar array. The electricity produced will offset the energy consumed, with a yearly production of 62,366 KWH expected, enough to power 5 homes, and $7,172.09 dollar value of energy produced.
TEXAS	ANRE OF TEXAS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/30/18	3,840,000	0	0	This Rural Development investment will help provide long-term financing for the borrower(s) by refinancing their debt on their commercial properties located in Kountze, Texas; Silsbee, Texas and Woodville, Texas, that are leased to dental practices. Three (3) new dental practices will be established that will retain the 23 persons employed by the current borrower(s) and anticipates hiring an additional 29 persons to fill positions of Dental Assistants, Front Office, Managers, Dental Hygienists and Dentists. The term of the leases, with extensions is equal to the term of the guaranteed loan.
TEXAS	BAKER, KEITH	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/21/19	0	14,700	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will upgrade poultry houses at the farm of Keith Baker. The electricity saved will offset the energy consumed, with a yearly savings of 85,796 KWH expected, enough to power 7 homes, and $5,125.00 dollar value of energy saved.

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TEXAS	BERGLUND HOLDINGS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/30/18	2,240,000	0	0	This Rural Development loan guarantee investment will be used by Berglund Holdings, LLC to acquire the Flowing Wells Resort & Marina, located in Pottsboro, Grayson County, Texas. The resort & marina is located on Lake Texoma, between the State of Oklahoma and Texas. The resort & marina has 199 wet slips, 88 dry-storage units, 11 cabin rentals and 34 vacation home (land-lot) rentals. The resort & marina sets it self apart from other facilities on Lake Texoma, by having a marine vessel repair shop located on-site. The acquisition of the resort & marina by Berglund Holdings, LLC, will help prevent the loss of employment.
TEXAS	BETTY PARKER	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/28/19	0	20,000	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will upgrade poultry houses at the farm of Betty Parker. The electricity saved will offset the energy consumed, with a yearly savings of 215,136 KWH expected, enough to power 19 homes, and $7,769.00 dollar value of energy saved.
TEXAS	BOB AND DOT LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/06/19	0	20,000	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will install a 32 kW photovoltaic solar array. The electricity produced will be to offset the energy consumed at Bob and Dot LLC with a yearly average of 47,392 KWH expected output, enough to power 4 home and $4,170.50 dollar value of energy replaced.
TEXAS	BOHUSLAV FEED MILL, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/28/19	0	11,103.18	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will feed mill energy upgrades. The electricity saved will offset the energy consumed, with a yearly savings of 2,601 KWH expected, enough to power 0 homes, and $772.00 dollar value of energy saved.
TEXAS	BRADY TYPE B ECONOMIC DEVELOPMENT CORPOR	RBEG	RBCS ENTERPRISE GRANTS	07/03/19	0	50,000	0	This Rural Development investment will be used to capitalize a revolving loan fund (RLF). The funding will be used to provide financial assistance through loans to third parties to support the growth and development of small and emerging business enterprises in Brady, McCulloch county, Texas, and surrounding areas. The Brady 4B Economic Development Corporation will contribute $50,000 toward the RLF.
TEXAS	BRIAN REYNOLDS DBA BOWIE WASH	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/21/19	0	18,228	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will upgrade laundry facility Bowils Wash. The electricity saved will offset the energy consumed, with a yearly savings of 20,256 KWH expected, enough to power 1 homes, and $822.00 dollar value of energy saved.
TEXAS	BRUSHY CREEK EVENT CENTER, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	10,299	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will install 15.54KW solar array. The electricity produced will offset the energy consumed, with a yearly production of 23,936 KWH expected, enough to power 2 homes, and $1,220.74 dollar value of energy produced.
TEXAS	CADENCE H. BAILEY DBA BAILEY CHICK INN	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/10/19	0	42,477	0	The Rural Development investment will be used to install poultry house upgrades. It will save 193,718 kwh annually, enough to power 17 homes, saving approximately $15,000.00.
TEXAS	CITY OF IOWA PARK	RBEG	RBCS ENTERPRISE GRANTS	07/02/19	0	400,000	0	This Rural Development investment will be used to support a project to annex and acquire right of way located north of U.S. Highway 287 Access Road between the existing Iowa Park Industrial Park and the Woodbriar Community, in the city of Iowa Park in Wichita county, Texas. The project will include surveying, engineering cost estimates, plans, specifications and bidding documents for site preparation and construction of a 45 feet wide by 500 linear feet concrete roadway, 1,000 feet of curb and gutter and 500 feet of water and wastewater main. Grant funds will be used for engineering fees and paving and drainage. The infrastructure construction will support jobs and the project will encourage small and emerging business growth by providing access and public utilities to present and future industrial lots within the park. The city of Iowa Park will provide additional funding in the amount of $140,000.

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TEXAS	CITY OF MINERAL WELLS	REAR	RENEWABLE ENERGY DEVLP ASSISTANCE GRANTS	03/27/19	0	100,000	0	This project will establish a development assistant program to agricultural producers and rural small businesses by providing technical assistance in creating a Biochar/Biogas Industry Cluster of businesses in 4 counties of North Texas. The Biochar/Biogas would be generated from the manure feedstock of the local dairies.
TEXAS	CITY OF SULLIVAN CITY	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	32,000	0	The Rural Development investment will be used to install LED street lights on existing light poles or on new light poles as necessary along a two mile stretch that runs east and west on Interstate 2, to enhance economic development by attracting small and emerging businesses to Sullivan City, Texas. The town's population of 4,002, has experienced almost zero growth in the past 10 years. The unemployment rate for the area is almost double the state rate and 34 per cent of residents live below the poverty line. There will be no supplemental funding for the project.
TEXAS	CITY OF UVALDE	RBEG	RBCS ENTERPRISE GRANTS	07/05/19	0	345,000	0	The Rural Development investment will be used for engineering and surveying services for a project to bring a waterline from the north of Highway 90 to the south side of the Uvalde Business Park, in the city of Uvalde, Uvalde county Texas. The improvement will add two thousand seven hundred fifty linear feet of proposed 8 inch PVC water line complete with tie-ins to an existing 8 inch main, gate valve assemblies and fire hydrants along the south right of way of US Highway 90 and include a 110 foot bore and 24 inch casing under US Highway 90. This will attract small and emerging businesses to the business park by extending water there. Three businesses have indicated interest in locating operations in the business park with plans to add more than 50 jobs over the next five years in the distressed community. There will be no supplemental funding for this project.
TEXAS	CLIFFS CLUB CORP.	BI	GUARANTEED B&I 3% FEE LOAN	11/28/18	5,000,000	0	0	This Rural Development loan guarantee will be used to provide long-term financing for construction/renovation at a commercial property overlooking Possum Kingdom Lake, located at 160 Cliffs Drive, Graford, Palo Pinto County, Texas, that is used as a Marina, Hotel/Conference Center, Restaurant and Water Supply System. The primary purpose of the guaranteed loan funds will be used to expand and update the project's reverse osmosis system, in order to reduce the amount of sodium within the existing water system. With the update in the reverse osmosis system and the other property improvements made with loan funds, the borrowers anticipate that it could create six (6) new jobs, five (5) fulltime equivalent, with an average wage of $10.63 per hour. Total project cost is $5 million.
TEXAS	COMMERCE LODGING INVESTMENTS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	49,625	0	The Rural Development investment will be used to install a 80KW solar array. It will produce 125,935 kwh annually, enough to power 11 homes, worth approximately $18,000.00.
TEXAS	COMMUNITIES UNLIMITED,INC	RBEG	RBCS ENTERPRISE GRANTS	07/11/19	0	95,000	0	Rural Development funds will be used in technical assistance training in 41 Texas counties located in the Panhandle, the Valley and West and East Central Texas, that have been directly affected by trauma or previously included as strike force counties. Communities Unlimited Inc., based in Arkansas, has Texas offices and these counselors will provide face to face training to small rural businesses in areas of cash flow management, setting up and using bookkeeping and accounting systems such as QuickBooks, understanding financial statements, social media and digital marketing strategies and strategic planning. Communities Unlimited Inc. will provide additional funding in the amount of $33,500 toward their project.
TEXAS	CORP FOR ECONOMIC DEVELOPMENT BRIDGEPORT	RBEG	RBCS ENTERPRISE GRANTS	07/11/19	0	80,000	0	The Rural Development investment will be used to capitalize a revolving loan fund. The funding will be used to provide financial assistance through loans to third parties to support the development of small and emerging business enterprises in Bridgeport and surrounding areas in accordance with the application package as submitted for an enterprise grant project or as amended and approved by USDA Rural Development. Three local businesses have expressed interest in receiving revolving loan funds and plan to hire six employees. The Corporation for Economic Development of the city of Bridgeport, Texas will contribute $20,000 to the project.
TEXAS	CROWNOVER FARMS	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/06/19	0	15,557.28	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will upgrade irrigation at Crownover Farms dba Lone Star Family Farms. The electricity saved will offset the energy consumed, with a yearly savings of 472,153 KWH expected, enough to power 43 homes, and $5,596.51 dollar value of energy saved.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
TEXAS	D & L SERVICE CO. INC. DBA THE WATER CO	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/06/19	0	11,064	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will install a 13.44 kW photovoltaic solar array. The electricity produced will be to offset the energy consumed at D&L Services Co. Inc. dba The Water Co. with a yearly average of 18,187 KWH expected output, enough to power 1 home and $2,546.18 dollar value of energy replaced.
TEXAS	FALCON STEEL AMERICA, LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/12/19	10,000,000	0	0	This Rural Development loan guarantee will be used to provide long-term financing for a fabricated structural metal manufacturing business at a commercial property in Kaufman, Kaufman County, Texas, that is used to manufacture steel lattice towers; electrical substation steel structures; monopoles/transmission poles and steel highway poles and structures. The purpose of the guaranteed loan fund will be to refinance a short-term line of credit of the borrower's Kaufman, Texas facility into a single long-term loan. With the refinancing of the short-term debts by the guaranteed loan and lender's conventional loan, the applicant anticipates that it could save 21 jobs (21 full-time equivalent jobs), with an average wage of $11.41 per hour. Total project is $45,800,000.
TEXAS	FIFTH GENERATION, INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	500,000	0	The Rural Development investment will be used to install a 5MW solar array. It will produce 9,488,350 kwh annually, enough to power 875 homes, worth approximately $517,000.00.
TEXAS	FORTUNE HOTELS GROUP LLC	BI	GUARANTEED B&I 3% FEE LOAN	03/27/19	2,611,000	0	0	This Rural Development loan guarantee investment will be used to provide long-term financing for a 118-room Quality Inn Hotel at a commercial property in Gainesville, Cooke County, Texas. The purpose of the guaranteed loan is to refinance the borrower's debt used to acquire the hotel in 2016, into a longer-term loan. With the refinancing of the debt by the guaranteed loan, the applicant anticipates that it could save five (5) jobs with an average wage of $9.95 per hour. Total project cost is $2,972,000, with other funds being $361,000 provided by the borrower.
TEXAS	FRANCES DAVIS DBA SWAN LAKE RANCH	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	16,250	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will install 40.71KW solar array. The electricity produced will offset the energy consumed, with a yearly production of 35,000 KWH expected, enough to power 3 homes, and $3,850.00 dollar value of energy produced.
TEXAS	GANESHA TEXAS ENTERPRISES LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/29/18	4,824,000	0	0	This Rural Development investment will be used to acquire a Holiday Inn Express & Suites Hotel located in Gainesville, Texas. The hotel is a three story, 66 room facility that is located on 1.67-acres. The Borrower is anticipating on saving 15 jobs, 10 full time and 5 part time with an average wage rate of $9.67.
TEXAS	GAUTEJ ENTERPRISE INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	49,625	0	The Rural Development investment will be used to install a 80KW solar array. It will produce 125,496 kwh annually, enough to power 11 homes, worth approximately $17,000.00.
TEXAS	GEORGE E. WING DBA WING RANCH	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/21/19	0	17,280	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will upgrade poultry houses at Wing Ranch, the electricity saved will offset the energy consumed, with a yearly savings of 233,607 KWH expected, enough to power 21 homes, and $9,787.00 dollar value of energy saved.
TEXAS	GORMAN ECONOMIC DEVELOPMENT CORPORATION	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	250,000	0	Rural Development investment will be used to capitalized a Revolving Loan Fund. The funding will provide financial assistance through loans to third parties to support the development of small and emerging business enterprises in Gorman, Texas and the surrounding area. The city is experiencing high poverty, with over 25 percent of the population living below the poverty level. Eastland County is a recorded Strike Force area. Gorman Economic Development Corporation has received requests from seven local businesses for start up assistance or loans to purchase new equipment and create 19 new jobs. The Economic Development Corporation has pledged $25,000 in matching funds to support their goals.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
TEXAS	GYMNOS PRODUCTIONS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/12/19	0	19,550	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will install a 20.52 kW photovoltaic solar array. The electricity produced will be to offset the energy consumed at Gymnos Production Inc and sold back to the grid with a yearly average of 34,496 KWH expected output, enough to power 3 home and $4,829.44 dollar value of energy replaced.
TEXAS	HAGLER FARM, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/10/19	0	39,451	0	The Rural Development investment will be used to install poultry house upgrades. It will save 322,088 kwh annually, enough to power 29 homes, saving approximately $21,000.00.
TEXAS	HMV INVESTMENT CORPORATION	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	49,625	0	The Rural Development investment will be used to install a 80KW solar array. It will produce 130,263 kwh annually, enough to power 12 homes, worth approximately $18,000.00.
TEXAS	I O RANCH PROCESSING, LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/31/18	1,934,000	0	0	This Rural Development loan guarantee investment will be used to help build a custom meat processing facility that will be inspected by the USDA and service Central Texas. Beef and sheep production farms within Central Texas will be the primary customers of the facility. As other processing facilities are too far away, not accepting new clients, or have a six-month waiting period, this new facility will be able to meet the needs of local production farms, who want to sell their red meat products to the public within Texas and the surrounding states. With the project operational, 22 persons will cooperate as a team to ensure the facility s efficiency. The project will be located within the city limits of Evant, Hamilton County, Texas. Total project cost is $2,980,201, with the loan guarantee covering $1,934,000 and $1,046,201 contributed by the borrower.
TEXAS	JANAKI, LLC DBA DAYS INN	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	49,625	0	The Rural Development investment will be used to install a 80KW solar array. It will produce 125,842 kwh annually, enough to power 11 homes, worth approximately $17,000.00.
TEXAS	LOCKHART EMERGENCY CARE CENTER LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/10/19	10,000,000	0	0	This Rural Development loan guarantee investment will be used to provide long-term financing to construct a 20,650 square foot, single-story medical building that will operate as a hospital under the name of City Line Hospital. The new hospital will provide 24 hour, 365 days a year emergency medical services and other medical care to the residents of Lockhart, Texas. The project is in Caldwell County which is designated as a Medically Underserved Area. The applicant anticipates that it will create 33-positions with an average wage of $49.90 per hour, ranging from $16.00 per hour to $195.00 per hour. Total project cost is $17,117,362, with other funds being $7,117,362 provided by the borrower and other leveraged funding.
TEXAS	LUCKY STAR RVP, LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/16/19	4,587,468	0	0	This Rural Development loan guarantee investment will be used to provide long-term financing for the acquisition of two recreational vehicle parks at commercial properties in the rural unincorporated area of Midland, Midland County, Texas. The purpose of the guaranteed loan is to take-out Plains State Banks interim loan that was used for real estate acquisition, into a longer-term loan. With the financing of the debt by the guaranteed loan, the applicant anticipates that it could save one job with a wage of $20.00 per hour and create two jobs with an average wage of $24.04 per hour. Total project cost is $6,824,891, with other funds being $2,237,423 provided by the borrower.
TEXAS	MAHA GANGA, LLC DBA SUPER 8	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	49,625	0	The Rural Development investment will be used to install a 80KW solar array. It will produce 126,150 kwh annually, enough to power 11 homes, worth approximately $18,000.00.
TEXAS	MARS SOLAR, LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/01/19	6,000,000	0	0	This Rural Development loan guarantee investment will be used to fund a 14.269 MW solar electric power generation facility in Texas. The energy generated by the facility will be sold on the open market to customers by the purchaser of the power. Texas is a deregulated market state, so residential consumers & business owners in competitive areas in the 254 counties can choose their retail electric provider. The investment reduces the reliance on fossil fuel consumption reducing greenhouse gas emissions, 3 jobs will be created as a result of the investment at $12.00 per hour, the investment will benefit all electric consumers (residential & business) in competitive areas in the 254 counties in Texas. The project is in Webb County Texas. TX-28 Cuellar

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
TEXAS	MIDWESTERN STATE UNIVERSITY	RBOG	RBCS DEVELOPMENT GRANT	07/09/19	0	64,753	0	The Rural Development Investment will be used to continue technical assistance in Childress, Henrietta and Jacksboro, Texas, communities experiencing high poverty, through the presence of a Rural Business Development Center (RBDC). The Rural Business Specialist, supported by these grant funds, will work with local leaders to assess, research and implement tools and programs that will encourage job creation and economic growth. The RBDC will offer consulting and training and will travel to these communities three to four times monthly.
TEXAS	MONAHAN INVESTMENT LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/19/18	6,000,000	0	0	This Rural Development investment will be used to construct a Hampton Inn & Suites Hotel located in Monahans, Texas. The hotel is a four story, 73 room facility that will be located on 2.29-acres. The Borrower is anticipating on creating 15 jobs, 11 full time and 4 part time with an average wage rate of $12.50.
TEXAS	NEED IT MORE, LP	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/06/19	0	17,580	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will upgrade irrigation at Need it More LO A Texas LTD PA. The electricity saved will offset the energy consumed, with a yearly savings of 642,239 KWH expected, enough to power 59 homes, and $9,148.23 dollar value of energy saved.
TEXAS	NICK PARKER CONSULTING, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	12,500	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will install Hydrogen. The electricity produced will offset the energy consumed, with a yearly production of 25,770 KWH expected, enough to power 2 homes, and $1,881.21 dollar value of energy produced.
TEXAS	OTA COMPRESSION, LLC	BI	GUARANTEED B&I 3% FEE LOAN	04/19/19	4,105,000	0	0	This Rural Development loan guarantee will be used to provide long-term financing for an oil field equipment manufacture and service business at a commercial property in Granbury, Hood County, Texas. The purpose of the loan is to refinance a short-term loan for the Granbury, Texas facility into a single long-term loan, pay the loan closing fees and costs, while also paying down the borrower s accounts payable associated with the Granbury, Texas, facility. With the refinancing of the short-term debts by the guaranteed loan and lender's SBA 7(a) loans, the borrower anticipates that it could create 15 jobs (15 full-time equivalent jobs), with an average wage of $28.98 per hour. Total project is $10,347,424, with $6,000,000 being provided by the lender and $242,424 being funded by the borrowers.
TEXAS	PAUL VANDERPOORTEN JR	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/06/19	0	9,351	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will install a 8 kW photovoltaic solar array. The electricity produced will be to offset the energy consumed by Paul Vanderpoorten Jr and sold back to the grid with a yearly average of 13,238 KWH expected output, enough to power 1 home and $1,059.04 dollar value of energy replaced.
TEXAS	PRAMUKH DARSAN MANAGEMENT, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	49,625	0	The Rural Development investment will be used to install a 80KW solar array. It will produce 126,381 kwh annually, enough to power 11 homes, worth approximately $18,000.00.
TEXAS	PRAMUKH DARSHAN GROCERIES, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	19,875	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will install 20KW solar array. The electricity produced will offset the energy consumed, with a yearly production of 35,806 KWH expected, enough to power 3 homes, and $4977.03 dollar value of energy produced.
TEXAS	SAIBAGAVAN CI 2 LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	36,675	0	The Rural Development investment will be used to install a 1100KW solar array. It will produce 1,735,057 kwh annually, enough to power 160 homes, worth approximately $17,000.00.
TEXAS	SANDHU LODGING, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	49,625	0	The Rural Development investment will be used to install a 80KW solar array. It will produce 125,372 kwh annually, enough to power 11 homes, worth approximately $17,000.00.
TEXAS	SNJ HOSPITALITY, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	49,625	0	The Rural Development investment will be used to install a 80KW solar array. It will produce 126,150 kwh annually, enough to power 11 homes, worth approximately $18,000.00.

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TEXAS	SOUTHWEST AG FARMS, LLC DBA SOUTHWEST AG	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/06/19	0	16,908.54	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will upgrade irrigation at Southwest Ag Farms LLC dba Southwest Ag. The electricity saved will offset the energy consumed, with a yearly savings of 433,970KWH expected, enough to power 40 homes, and $6,110.22 dollar value of energy saved.
TEXAS	STERLING SOLAR, LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/29/18	6,000,000	0	0	Rural Development funds will be used to construct a 14.263 MWDC solar project located in Greenville, Hunt County, Texas. The total project cost is $18,372,817.The energy generated by the facility will be sold on the open market to customers by the purchaser of the power. Texas is a deregulated market state, so residential consumers & business owners in competitive areas in the 254 counties can choose their retail electric provider. The installation of renewable energy reduces the reliance on fossil fuel consumption reducing greenhouse gas emissions. Three jobs will be created as a result of the investment, the investment will benefit all electric consumers (residential & business) in competitive areas in the 254 counties in Texas.
TEXAS	TEXAS A&M UNIVERSITY - KINGSVILLE	REAR	RENEWABLE ENERGY DEVLP ASSISTANCE GRANTS	03/26/19	0	33,433	0	This project will establish a development assistant program to agricultural producers and rural small businesses to: 1) Increase awareness of the energy benefits of wind, solar, and biomass In South Texas by providing technical feasibility and lifestyle economic feasibility analysis. 2) Promote energy independence by increasing the utilization of renewable energy In South Texas.
TEXAS	TOP NOTCH EQUIPMENT, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/06/19	0	15,552	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will upgrade irrigation at Top Notch Equipment LLC. The electricity saved will offset the energy consumed, with a yearly savings of 687,837 KWH expected, enough to power 63 homes, and $10,196.96 dollar value of energy saved.
TEXAS	UNIVERSITY OF TEXAS - RIO GRANDE VALLEY	SSDPG	PERSISTENT POVERTY GRANTS TO ASSIST MINORITY PRODUCERS	09/16/19	0	174,856	0	Rural Development grant funds will be used to deliver targeted technical assistance to Socially Disadvantaged Groups throughout a high poverty 41 county rural South Texas region.
TEXAS	UNIVERSITY OF TEXAS - RIO GRANDE VALLEY	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/17/19	0	199,724	0	Rural Development grant funds will be used to provide technical assistance to 41 counties in south Texas. The technical assistance will include three fundamental activities: E-Connectivity, Rural Economic Development & Innovation, and Rural Quality of Life.
TEXAS	VILLAGE CHICKEN FARMS, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/10/19	0	49,897	0	The Rural Development investment will be used to install poultry house upgrades. It will save 223,101 kwh annually, enough to power 20 homes, saving approximately $17,000.00.
TEXAS	WEST MOORE SOLAR II, LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/29/18	3,150,000	0	0	This Rural Development loan guarantee investment will be used to fund a 7.1MW solar electric power generation facility in Texas. The energy generated by the facility will be sold on the open market to customers by the purchaser of the power. Texas is a deregulated market state, so residential consumers & business owners in competitive areas in the 254 counties can choose their retail electric provider. The investment reduces the reliance on fossil fuel consumption reducing greenhouse gas emissions, 3 jobs will be created as a result of the investment, the investment will benefit all electric consumers (residential & business) in competitive areas in the 254 counties in Texas. The project is in Grayson County Texas. TX-04 John Ratcliffe
TEXAS	ZANKHANA SHUKLA DBA JSK INVESTMENTS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/06/19	0	19,875	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations. This project will install a 20 kW photovoltaic solar array. The electricity produced will be to offset the energy consumed at JSK Investments and sold back to the grid with a yearly average of 32,860 KWH expected output, enough to power 3 home and $3,943.20 dollar value of energy replaced.
UTAH	AE PROPERTIES LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	04/16/19	0	32,265	0	This Rural Development investment will be used for the purchase and installation of a 54 kW solar array. AE Properties LLC, will realize $6707 per year in savings, and will replace 76,134 kWh (98 %) per year. This project will save enough electricity to power 4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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UTAH	BC 220 LC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/10/19	0	19,954	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the store. BC 220 LC, dba Ace Hardware is a family owned and operated hardware and farm equipment store. This project will realize $5,809 per year in savings and will replace 159,740 kWh per year which is enough to power 14 homes. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems and in making energy efficiency improvements to their operations.
UTAH	BRIGHAM CITY CORPORATION	RBEG	RBCS ENTERPRISE GRANTS	07/26/19	0	50,000	0	The project is to fund an engineering study for a rail crossing that will activate the 310+ acre Reeder Ranch Business Park for development in Box Elder County. The rail crossing will allow for the development of the 2400 W road that will provide access for future tenants of the park. The Reeder Ranch Business Park represents a significant opportunity that will lead to capital investment, increased tax revenues from land improvements, additional high-wage jobs in the community, and multiplier effect for local support businesses.
UTAH	BRYCE HOSPITALITY, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/17/19	7,500,000	0	0	This B&I loan guarantee is for the construction and operation of an 86 room Holiday Inn Express Hotel near Bryce Junction UT. It will create 16 news full time jobs in Garfield County. It will also provide a new and different lodging option for travelers in southern Utah. Garfield County s economic development director was highly in favor of a new hotel in the community due to the aging of most other local hotels. This project will provide travelers with a new option for lodging in one of Utah s most highly visited locations Bryce Canyon.
UTAH	CHILDS INDUSTRIES, LC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	02/27/19	0	16,240	0	This Rural Development investment will be used for the purchase and installation of a 16.2kW solar array for the Childs Industries, LC business. This project will replace 21,741 kWh (100%) per year and realize $2,065 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
UTAH	CITY OF GREEN RIVER	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	25,000	0	This Rural Development investment will be used to fund a feasibility study and business plan for the manufacturing and sale of a business called Moonshot Camper Vans wanting to locate in Green River, Utah. The possibility of this business represents a significant opportunity that will lead to capital investment, increased revenues from land improvements and sales tax, additional high-wage jobs in the community and multiplier effects for local support businesses. The business anticipates having between three and five new jobs in Green River in the next three years.
UTAH	DELTA PLAN ONE, LLC	BI	GUARANTEED B&I 3% FEE LOAN	09/06/19	3,683,380	0	0	This Rural Development investment will be used to refinance existing bank and privately funded term debt and fees and costs associated with this loan, at the Dutch John Resort in Dutch John Utah, Daggett County. The property has been developed with an RV Park, Fishing Resort, Lodge, Campground, Restaurant, Convenience Store and Fuel Pumps. Dutch John has a population of 145 as of the 2010 census. Daggett County is comprised of 2,200 acres. The area has little opportunities for commerce other than recreational opportunities afforded by the Green River and Flaming Gorge Reservoir. As one of only a few cities in Daggett County, the resort offers employment opportunities otherwise unavailable to area residents.
UTAH	FRONTAGE GROUP, LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/29/18	2,838,200	0	0	This guarantee is to finance the construction and operation of a real estate lease to be located in Cedar City Utah. There will be 2 management jobs directly created by Frontage Group and 127 jobs indirectly created by Zion Foods LLC who will lease the facility and operate a Golden Corral restaurant. The project will be a benefit to those seeking a new dining opportunity as well as several hotels located within walking distance of the restaurant.
UTAH	HALTERMAN BROTHERS INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	04/23/19	0	187,770	0	This Rural Development investment will be used for the purchase and installation of two solar arrays totaling 341kW. Halterman Brothers Inc., a family owned farming operation that primarily grows alfalfa hay will realize $62,308 per year in savings, and will replace 623,080 kWh per year. This project will save enough electricity to power 56 homes. The purpose of this funding program is to assist farmers, ranchers and small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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UTAH	HAMMER HEAD, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	04/16/19	0	39,621	0	This Rural Development investment will be used for the purchase and installation of a 68.6 kW roof mounted solar array. Hammer Head, LLC will realize $12,386 per year in savings, and will replace 103,224 kWh(100%) per year. This project will save enough electricity to power 9 homes . The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations
UTAH	KENT KELLY & ASSOCIATES, L.C.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/10/19	0	19,920	0	This Rural Development investment will be used to make energy efficiency improvements with the replacement of 3 refrigeration unit compressors within the building. Kent Kelly & Associates is an existing business that leases retail space to a local grocery store. This project will realize $3,467 per year in savings, and will replace 53,280 kWh per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
UTAH	MJK CUSTOM FAB AND COATINGS LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	02/27/19	0	19,353	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the manufacturing facility. MJK Custom Fab and Coatings is an existing business that builds large steel tanks for oil and fuel storage. This project will realize $11,473 per year in savings and will reduce energy consumption by 421,550 kWh per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
UTAH	MORGAN HOTEL, LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/02/19	4,800,000	0	0	This Rural Development investment will be used to construct a 56 room Cobblestone branded hotel in Morgan, Utah. This will be the first hotel in Morgan. The property will operate in the upper mid-scale space within the hospitality market and will capture displaced lodging demand currently staying in markets surrounding Morgan. Approximately 6 jobs will be created in a area with a population of 3,687.
UTAH	RAM LODGING, LLC	BI	GUARANTEED B&I 3% FEE LOAN	12/12/18	5,000,000	0	0	This Rural Development loan guarantee investment will be used for the construction and long term financing of a three story 80 room hotel. Ram Lodging LLC is a newly created entity for the purpose of providing lodging for recreationist and tourism in the Moab UT area. This project will create 15 new jobs in a rural Utah community.
UTAH	S R MECHANICAL	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	02/27/19	0	19,052	0	This Rural Development investment will be used for the purchase and installation of a 20 kW solar array on the SR Mechanical Inc facility. This project will replace 33,877 kWh (100%) per year and realize $3,273 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
UTAH	SALT LAKE CITY CORPORATION	RBEG	RBCS ENTERPRISE GRANTS	06/13/19	0	50,000	0	This Rural Development investment will be used to conduct a Feasibility Study for a Northern Utah Food Hub. The study will include Box Elder, Cache, Carbon, Daggett, Duchesne, Juab, Morgan, Rich, Sanpete, Summit, Tooele, Uintah and Wasatch Counties. The study will assess the viability of specific infrastructure improvements to strengthen rural community based food trade connections and to assist the economic development of the rural agricultural business sector in Northern Utah. The Feasibility Study is a crucial component to assess the impact of a potential food hub on the Northern Utah market and on the ability of rural farmers to generate maximum profit while reducing their risk exposure.
UTAH	SKYHAWK INVESTMENTS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	04/04/19	4,310,200	0	0	This Rural Development investment will be used for the acquisition of an existing 151 room Ramada Inn located in Price UT. The purpose of this funding is to assist rural businesses in creating and saving jobs.
UTAH	SPARK INNOVATION LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	04/12/19	0	74,670	0	This Rural Development investment will be used for the purchase and installation of a 133kW solar array. Spark Innovation LLC a developer, manufacturer and distributor of repair products, will realize $22,929 per year in cost savings and will replace 201,140 kWh (100%)of electricity per year. This project will save enough electricity to power 18 homes. The purpose of this funding program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
UTAH	UTAH WORLD TRADE CENTER CORPORATION	RBEG	RBCS ENTERPRISE GRANTS	06/13/19	0	43,000	0	This Rural Development investment will be used to provide a basic step by step understanding of how to complete a business plan. More specifically, the project will support small businesses throughout rural Utah to expand internationally. World Trade Center will work with rural companies in Uintah, Iron, Cache and Juab Counties to help them identify and pursue international business opportunities through Rural Export Boot Camps and financial support. Rural companies are critical to the success of the goal to double Utah exports by 2025 and create 25,000 jobs in rural Utah by 2021. By helping rural companies expand internationally, WTC can facilitate revenue and job growth in economically depressed areas of Utah.
VERMONT	ADDISON COUNTY ECONOMIC DEV	RBEG	RBCS ENTERPRISE GRANTS	07/11/19	0	9,000	0	This Rural Development investment will assist in the purchase of equipment for the establishment of a value-added processing facility for use by multiple meat producers and an alternative retail outlet for multiple farm-based producers in Addison County. At a minimum, the project is expected assist 4 small businesses and will support 6 jobs.
VERMONT	ALBANY COMMUNITY TRUST INC.	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/31/19	0	53,000	0	This Rural Development investment will be used to install a septic system needed to reopen the renovated Albany Country Store, and the launch of a new community workshop/maker-space will in an adjacent outbuilding. Reopening the store allows 3 Ladies LLC with low start-up costs and the makerspace will provide a flexible workshop space for entrepreneurs in incubating businesses ideas, and provide a space for mentorship in woodworking and other related trades.
VERMONT	ALEXANDER BUSHEY DBA BRIGHAM HILL MAPLE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	9,678	0	This Rural Development investment will be used to install a 5.84kW roof-mounted solar array. Brigham Hill Maple has historically produced maple syrup using a diesel-powered generator. The installation of this small array will allow the owners to get on the grid and boil their sap more efficiently, using about half of the energy in production. Agriculture plays a vital role in Vermont s economy, and investments such as this help support local foods. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	ANJALI FARMS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	4,026	0	This Rural Development investment will be used to install a 19.8kW ground-mounted solar array. Anjali Farm, a small operation specializing in organic produce, will be able to produce all of its electrical needs with the array. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	BESS-VIEW FARM PARTNERSHIP	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/15/19	0	76,723	0	This Rural Development investment will be used to install a 153.6kW roof-mounted solar array. The Bess-View Farm in Swanton is one of Vermont s larger dairy farms, and is a large consumer of electricity. The energy produced by this array will offset about 27% of the operation s use, saving almost $34,000 annually. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	BRIGHTON COMMUNITY FORUM, INC.	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/25/19	0	65,000	0	This Rural Development investment will be used for marketing the town of Brighton, VT as a basecamp for outdoor recreation. This project will bring together students and faculty of Plymouth State, towns government, town businesses and the Forum to create an immersive all-encompassing marketing strategy that will address tourism needs and bring new entrepreneurs and families to town. The project goal is for local businesses to capture a larger share of visitor dollars thereby improving economic health and provide additional jobs. Support for this project is being provided by the town of Brighton and applicant cash and in-kind match. This project aims to create sustainability in the town's economic development.
VERMONT	BURKE AREA CHAMBER OF COMMERCE, INC.	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/31/19	0	75,000	0	This Rural Development investment will be used to complete a feasibility study through a public engagement process and systems approach. The study will include, mapping of trails, natural resources, site constraints, parking assessments, transportation statistics and data analysis and analyze pass sales and visitation data. In addition to federal support, funding for the project comes from both the applicant and third parties. The project will support at least ten area businesses and maintain or create 15 jobs.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
VERMONT	CATAMOUNT FILM AND ARTS, INC.	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/30/19	0	75,000	0	This Rural Development Investment will be used for planning, developing and implementation of a creative sector economic development plan that will provide training, jobs, technical support and infrastructure. This project will directly address the high rates of poverty, declining workforce and poor overall economic conditions in the region by implementing a sustainable and reliable mode of Creative Sector economic development that trains workers, boosts tourism and creates new jobs in local businesses.
VERMONT	CENTRAL V ECONOMIC DEVELOPMENT CORP	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	42,683	0	This Rural Development investment will be used to proved technical assistance to small businesses and entrepreneurs through the provision of education, guidance, or instruction to prepare them for self-employment and improve the state of existing rural miroenterprises. Previous funding $575,00 in Rural Development loans and grants.
VERMONT	CGHM INDUSTRIAL STORAGE FACILITY, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	12,546	0	This Rural Development investment will be used to install a 14.76kW roof-mounted solar array. CGHM Industrial Storage, LLC is a property management company that provides storage facilities to individuals and small businesses. The new array is expected to offset about 97% of current electrical use. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	CHRISTA ALEXANDRA DRISCOLL	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	18,607	0	This Rural Development investment will be used to make energy efficiency improvements to a historic building. These much-needed improvements will enable the owner to more fully utilize and repurpose The Brick Store . Christa Driscoll runs her custom design company, Christa Alexandra Designs, from the old structure, and with some major insulating, a new roof, new windows and doors and other improvements, she will reduce her fuel and electricity loads by 50%. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	CVFIBER	RBOG	RBCS DEVELOPMENT GRANT	07/11/19	0	25,000	0	This Rural Development investment will develop a feasibility study and business plan in order to explore the development of a fiber-to-the-premise high speed internet network. The project includes communities in Lamoille, Orange, and Washington Counties. USDA funds will be augmented by state funds and in-kind matching from the applicant. The project is expected to create 14 new jobs.
VERMONT	DOOLAN, KRISTAN L	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/11/19	0	8,049	0	This Rural Development investment will be used to install a ground-mounted 12.4kW solar array. Kristin Doolan, co-owner of Does Leap Farm, will alleviate overhead by generating 100% of the farm s current electrical needs with the new array. Does' Leap Farm is a diversified organic farm specializing in fresh and aged goat cheeses, kefir, and farm-made artisan sausage. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	DOUGLAS CALDERWOOD DBA CALDERWOODS GOAT	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/29/19	0	7,678	0	This Rural Development investment will be used to install a 14.6kW solar array on a barn roof. Calderwood Goat Dairy has grown rapidly since its 2016 inception, with the owners milking over 600 head year-round. This array will produce all of the farm s electricity needs, saving over $3,000 annually while reducing its carbon footprint. Agriculture plays a vital role in Vermont s economy, and investments such as this help support local foods. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	FULL PLATE FARM LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	4,000	0	This Rural Development investment will be used to install a 7.3kW roof-mounted solar array. Full Plate Farm is a community supported agriculture (CSA) and market farm that produces over 150 varieties of vegetables, as well as cut flowers and honey. The array will generate 94% of the farm s electricity needs. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
VERMONT	LEVIS, OLIVER DBA EARTH SKY TIME FARM	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/26/19	0	19,845	0	This Rural Development investment will be used to install a 22kW roof-mounted solar array. Earth, Sky, Time Farm is a third-generation farm and bakery and has expanded to become a local gathering place for the community of Manchester Center. The site hosts festivals and musical events, and the new array will allow the farm to generate will now generate more than 50% of its energy needs. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	LUDLOW SIDE HILL CRONCHERS SM CLUB, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/16/19	0	29,000	0	This Rural Development investment will be used by the Ludlow Side Hill Croncher's Snowmobile Club to purchase a new trail groomer. The groomer will assist the club in maintaining 38 miles of trails between the Towns of Ludlow and Mount Holly, Vermont. Trail maintenance is a critical component of the local economy, attracting riders to the area who utilize a range of services provided by local businesses. At a minimum, 14 area business will be supported by the economic activity generated by the maintained trails.
VERMONT	LYNDON TOWN OF	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/30/19	0	45,000	0	This Rural Development investment will be used to expand the availability of the 2018 successful RBDG grant "Business Technology Technical Assistance" program. Results of this investment will be increased web traffic; social media exposure; sales/profitability; and employment for businesses assisted. The town of Lyndon is located in the Rural Economic Area Partnership (REAP) zone of VT with a population of 5,981, this will provide further reach of marketing to outside the towns locality. Previous funding includes $88,827 in Rural Development Grants. This project is projected to assist 17 businesses and create 9 jobs within the next three years.
VERMONT	MARSH, RICHARD L	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/09/19	0	59,234	0	This Rural Development investment will be used to install a 75kW roof-mounted solar array. Fox Hill Storage will earn approximately $17,400 in additional annual revenue from the sale of the electricity, estimated to be 99,000kWh. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	MORRISON'S CUSTOM FEEDS INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/17/19	0	153,742	0	This Rural Development investment will be used to install a 702kW ground-mounted solar array. Morrison's Custom Feeds has been producing quality feed for farm animals for over 30 years. This family operation sells organic and conventional feed to New England farms, and is an important part of the local agricultural community. This solar array will produce all of the electricity required by the business, plus allow them to net meter the balance, resulting in almost $133,000 in savings and revenue annually. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	NATIVEENERGY INC.	REAP	REAP-MAND RENEW ENERGY SYS LN/GT COMBO GUAR	07/26/19	140,000	0	0	This Rural Development investment will be used to purchase and install an anaerobic digester on the LaRoche Farm in northwestern Vermont. NativeEnergy, Inc. is receiving both a grant and a loan guarantee from the Rural Energy for America Program (REAP). Using the manure from 200 cows, the 44kW generators are expected to produce 346,896kWh of electricity annually, which is enough to power about 32 homes. NE Farm Energy LLC, which is the wholly-owned subsidiary created to own the system, will gross just under $76,000 annually by selling all of the power to the grid. Mascoma Bank is the lender in the project, and Ben and Jerry s Homemade is purchasing the Verified Emissions Reductions (VERS). The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
VERMONT	NATIVEENERGY INC.	REAP	REAP-MAND RENEW ENERGY SYS LN/GT COMBO GUAR	07/26/19	0	122,500	0	This Rural Development investment will be used to purchase and install an anaerobic digester on the LaRoche Farm in northwestern Vermont. NativeEnergy, Inc. is receiving both a grant and a loan guarantee from the Rural Energy for America Program (REAP). Using the manure from 200 cows, the 44kW generators are expected to produce 346,896kWh of electricity annually, which is enough to power about 32 homes. NE Farm Energy LLC, which is the wholly-owned subsidiary created to own the system, will gross just under $76,000 annually by selling all of the power to the grid. Mascoma Bank is the lender in the project, and Ben and Jerry s Homemade is purchasing the Verified Emissions Reductions (VERS). The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	NEWBURY, TOWN OF	RBEG	RBCS ENTERPRISE GRANTS	07/16/19	0	19,000	0	This Rural Development investment will be used to determine next steps for Newbury REDInet fiber network establishment. Funds will complete a series of assessment and planning work supporting the goal of establishing high speed internet to all businesses in the town of Newbury, Vermont; thereby providing area businesses the ability to operate competitively and expand. In addition to federal funds, the project includes both state and borrower participation. A minimum of three new jobs are expected to be created and two existing jobs saved as a result of this project.
VERMONT	NEWPORT CITY RENAISSANCE CORPORATION	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/30/19	0	63,000	0	This Rural Development investment will be used to develop a variety of marketing and promotional materials designed to attract visitors and businesses to the City of Newport, Vermont. Promotion of the four-season outdoor recreational economy will improve the ability of small businesses develop a stronger workforce through increased cooperation between employers and regional educational institutions.
VERMONT	NORTHEAST KINGDOM WASTE MANAGEMENT DISTR	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/31/19	0	11,000	0	This Rural Development investment will be used to assess the feasibility of establishing a network that serves area retailers and food producers by collecting gleaned and recovered food and distributing it to organizations who work with food insecure populations. This project is supported by the North East Kingdom Food Cycle Coalition.
VERMONT	NORTHEASTERN VERMONT DEVEL ASSOC INC	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/30/19	0	66,000	0	This Rural Development investment will be used to identify and work with businesses that have expressed an interest in bettering broadband service. Survey to communities to determine interest, complete an assessment of existing availability of broadband services, establish community goals for improving service and enhancing business opportunities and evaluate possible broadband alternatives, solutions funding options and ownership models (specifically the municipal Communication Union District model).
VERMONT	NORTHEASTERN VERMONT REGIONAL HOSPITAL	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/19/19	0	100,000	0	This Rural Development investment will be used to renovate the Vermont Foodbank's facility warehouse and office space. With the enlargement of cooler and freezer space, and infrastructure improvements the VT Foodbank can dramatically increase its ability to provide healthy food to those in need. An estimated 10 jobs will be created with this project.
VERMONT	NORTHERN COMMUNITY INVESTMENT CORP	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/31/19	0	99,999	0	This Rural Development investment will be used to provide technical assistance to small and emerging businesses in the Northeast Kingdom of Vermont. Assistance provided will include designs, business coaching, training, and marketing assistance. These funds will assist 20 businesses and create 7 jobs while retaining fourteen.
VERMONT	NORTHERN COMMUNITY INVESTMENT CORP	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	08/02/19	0	53,264	0	This Rural Development investment will be used to assist small buinsesses by providing assembled information, skills, and knowledge based on businesses needs and support requests. Assistance will include seeking supports and resources, adding capacity and experience, organizational depth, and capabilities so as to optimize the change process necessary to assist the business to make impactful decisions that propel them to success. This project will assist 8 business and anticipates created 24 jobs
VERMONT	NORTHERN FOREST CENTER INC	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/31/19	0	52,350	0	This Rural Development investment will be used to provide digital marketing and digital mapping assistance to recreation, arts, and food businesses in the Northeast Kingdom in Vermont to help them improve and grow their businesses.
VERMONT	ORLEANS COUNTY HISTORICAL SOCIETY	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/31/19	0	15,490	0	This Rural Development investment will be used to complete a feasibility study to determine the viability of the Sam Hall's Pub, a new and emerging business The study will include restaurant design, business plans, marketing plans

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VERMONT	PULA INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/12/19	0	12,748	0	This Rural Development investment will be used to install an advanced wood pellet heating system. Green Mountain Glove is one of the few glove manufacturing companies left in the United States. Formed circa 1920, the new owner is replacing a coal-fired furnace with a renewable biomass system that will greatly reduce emissions while adding price stability. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	RUNAMOK MAPLE LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	03/18/19	0	11,734	0	This Rural Development investment will be used to replace pumps used to extract sap from maple trees. Runamok Maple, LLC produces infused maple syrup products, among other things, and is expanding. Six (6) inefficient pumps will be replaced with three (3), cutting electrical use in half while increasing production. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	RYEGATE GLC SOLAR LLC	REAP	REAP-MAND RENEW ENERGY SYSTEMS LOANS GUAR	09/25/19	910,000	0	0	This Rural Development Investment will provide a loan guaranty on a loan used to finance a 745kW solar array. The net-metered project in E. Ryegate is funded by tax credit equity, equity from the applicant and a loan from Celtic Bank Corporation. This loan guaranty adds an extra layer of security for the bank, and allowed the project to move forward. Agri-Mark Inc., which owns Cabot Cooperative Creamery, will purchase all of the electricity produced by the array at a discount. This program provides grants and loan guarantees to rural small businesses and agricultural producers.
VERMONT	SAINT JOHNSBURY WORKS! INC.	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/31/19	0	55,000	0	This Rural Development investment will support Fairbanks Museum to undertake the planning of a new "Science Annex" to be constructed as an addition to the existing museum. Funds will be used to create architectural and engineering plans for the addition.
VERMONT	SAINT JOHNSBURY WORKS! INC.	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/31/19	0	83,275	0	This Rural Development investment will assist in providing training, marketing, and access needs in Vermont's most geographically isolated and economically disenfranchised region. Specifically, this project will provide digital marketing training, networking and market access, and recruitment support that enhances job availability and business growth.
VERMONT	SHEPARD JR, RALPH H	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/10/19	0	44,035	0	This Rural Development investment will be used to install a 25kW Star wind turbine on property owned by a retired Vermont Air National Guard pilot. Through the Vermont Standard Offer Program, Mr. Shepard will sell all the power generated to the grid, providing a steady source of revenue. The 125,000kWIs generated annually will be enough to power the equivalent of 11 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	SILLOWAY FARMS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/07/19	0	16,624	0	This Rural Development investment will be used to install a 41.4kW roof-mounted solar array. Silloway Farms has produced maple syrup and other agricultural products for a number of years. Vermont s maple industry is an important contributor to the state s economy. This array will produce almost all of the electricity needed by the farm each year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	ST. JOHNSBURY ACADEMY	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/30/19	0	73,000	0	This Rural Development investment will be used for small businesses to access and implement workforce development programs. This effort will advance leadership skills and help create and support jobs and a robust workforce in the Northeast Kingdom of Vermont. This effort will provide the training and skill building most needed by employers, improving local business' ability to find labor, and positively changing the perception of small business careers, all aimed at helping to alleviate the shortage of workers.
VERMONT	ST. JOHNSBURY DEVELOPMENT FUND, INC.	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/25/19	0	99,999	0	This Rural Development investment will be used to install provide additional financing for building system improvements on a vacant commercial/light industrial building in the town of St. Johnsbury. The purpose of these renovations is to attract a business tenant and bring the property into productive use, and is part of a community-wide initiative to redevelop and revitalize St. Johnsbury's downtown buildings. The project will assist 6 businesses and will support 66 jobs, benefitting communities throughout Caledonia County.

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VERMONT	ST. JOHNSBURY, TOWN OF	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/25/19	0	22,040	0	This Rural Development Investment will fund a feasibility study for a new food co-op to be established in the St. Johnsbury area. Project activity includes a market study, selection and analysis of three sites, financial projections and public outreach. The project will leverage matching funds.
VERMONT	THE CENTER FOR AN AGRICULTURAL ECONOMY	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/30/19	0	31,200	0	This Rural Development investment will be used to provide technical assistance and business services to assist businesses in navigating the challenges of running small and emerging food system businesses. Assistance will include one-on-one technical assistance to assess needs, prioritize services needed. Business services will include the creation of a core curriculum of skill-building workshops.
VERMONT	TONY DWYERS LOGGING LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/28/19	0	12,465	0	This Rural Development investment will be used to install a more efficient kiln drying system for a firewood producer. Tony Dwyer s Logging produces high quality, kiln-dried firewood. The current drying system is inefficient both cost-wise and time-wise, burning 1.5 cords of wood per 5 cords dried. The new kiln, which will run on propane, will reduce the cost of processing a cord by 40%, and the carbon required to dry a cord will drop by 17%. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VERMONT	TOWN OF FAIR HAVEN	RBEG	RBCS ENTERPRISE GRANTS	07/11/19	0	29,000	0	This Rural Development investment will be used to capitalize a revolving loan fund that the town of Fair Haven will utilize to support locally identified economic priorities. This project will play a key role in the town's efforts to enact a broad downtown economic revitalization program and is expected to assist 6 local businesses and to create 6 new jobs.
VERMONT	TOWN OF POULTNEY	RBEG	RBCS ENTERPRISE GRANTS	07/16/19	0	29,000	0	This Rural Development investment will be used to hire a Downtown Economic Development Coordinator to explore, obtain, and administer resources for the Downtown and Village Center areas near the Green Mountain College campus in Poultney, Vermont. The coordinator will provide direct technical assistance to the town and businesses to spur economic development, creating and retaining jobs. A minimum of 3 jobs are expected to be created and/or saved by the project.
VERMONT	TOWN OF READSBORO	RBEG	RBCS ENTERPRISE GRANTS	07/11/19	0	29,000	0	This Rural Development investment will be used to support the first phase of the Readsboro Broadband Expansion Project. Funds will be used to assess market demand, implementation of a pre-engineering study, analysis of legal and financial considerations, and to produce a survey and related documentation. The Town will provide matching funds and at a minimum, the project is expected to create 5 new jobs and retain 8 existing jobs.
VERMONT	TOWN OF WATERFORD	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/18/19	0	30,000	0	This Rural Development investment will be used to conduct a study to determine the improvements needed to bring the Lower Waterford Congregational Church building up to current building codes and for adaptive reuse. The building presents an opportunity for adaptive reuse of a community center.
VERMONT	VERMONT 504 CORPORATION	IRP	INTERMEDIARY RELENDING PROGRAM	09/04/19	0	0	1,000,000	Rural Development funds will be used to provide low-interest loans to small and low income business owners, including agricultural entities, for purposes of business and community development as well as job creation and retention throughout the state of Vermont. The funds will assist an estimated 9 small rural businesses retain 50 full time equivalent jobs and create 26 full time equivalent jobs.
VERMONT	VERMONT COUNCIL ON RURAL DEVELOPMENT	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	08/01/19	0	85,400	0	This Rural Development investment will support the Vermont Council on Rural Development's Community Visit Program for 3 Northeast Kingdom Vermont towns. The process brings deep community engagement processes, facilitation, coaching, technical assistance, and training to communities helping them to identify and advance key priorities for community revitalization and economic viability. The applicant is providing matching funds and the project is expected to create 2 new jobs and retain 2 existing jobs.
VERMONT	VERMONT ELECTRIC COOPERATIVE, INC.	REAR	RENEWABLE ENERGY DEVLP ASSISTANCE GRANTS	03/22/19	0	98,748	0	This Rural Development investment will be used throughout 8 counties within the state of Vermont to conduct approximately 28 biomass renewable energy site assessments for rural small businesses and agricultural producers. These site assessments will provide the necessary analysis to replace fossil-fuel based systems with renewable biomass. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
VERMONT	VERMONT RURAL EDUCATION COLLABORATIVE	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/31/19	0	85,000	0	This Rural Development investment will provide technical assistance to farmers through aggregation and distribution services to institutional a wholesale markets. In addition, the project will provide sales and marketing services for small to mid-sized farmers and food producers and increase demand for local food by consumers.
VERMONT	VERMONT SMALL BUSINESS DEV CORP	IRP	INTERMEDIARY RELENDING PROGRAM - EZ/EC	07/31/19	0	0	250,000	Rural Development funds will be used to provide low-interest loans to small and low income business owners, including agricultural entities, for purposes of business and community development as well as job creation and retention throughout the REAP zone of Vermont (Caledonia, Essex, and Orleans counties). The funds will assist an estimated 2 rural businesses retain and/or create 4 full time equivalent jobs.
VERMONT	VERMONT SMALL BUSINESS DEV CORP	IRP	INTERMEDIARY RELENDING PROGRAM	01/31/19	0	0	1,000,000	Rural Development funds will be used to provide low-interest loans to small and low income business owners, including agricultural entities, for purposes of business and community development as well as job creation and retention throughout the entire state of Vermont. The funds will assist an estimated 25 rural businesses retain 96 jobs and create 25 jobs.
VERMONT	VITAL COMMUNITIES, INC	RBEG	RBCS ENTERPRISE GRANTS	09/11/19	0	19,847	0	This Rural Development investment will support technical assistance aimed at supporting small businesses, farmers, and entrepreneurs. Activities will feature a marketing workshop focused on digital promotion and website development, conduct an impact analysis of the effect of local purchasing, and launch a crowdfunding platform. The applicant is providing matching funds for the project which is anticipated to support rural business and create 4 jobs.
VERMONT	VT HOUSING & CONSERVATION BOARD	RBEG	RBCS ENTERPRISE REAP ZONE GRANTS	07/31/19	0	98,471	0	This Rural Development investment will support the Farm and Forest Viability Program's work to provide business, marketing, feasibility, and succession planning as well as assistance implementing these plans to farm, food, and forest products businesses in the Northeast Kingdom. The project's primary objective is to enhance the long-term economic viability of working landscape businesses in the region as a tool for rural economic development and to improve the livelihoods of rural business owners.
VERMONT	VT HOUSING & CONSERVATION BOARD	RBEG	RBCS ENTERPRISE GRANTS	07/15/19	0	29,000	0	This Rural Development investment supports the 2nd phase of the Vermont Conservation Board's Food Hub Collaborative Project. This project aims to both build a transactional network for local foods aggregation and distribution, and to explore the potential of and then launching a collective marketing and sales effort that can reach local food markets in Vermont, New England, and New York. The intention is to improve inter-food hub trade and logistics, better understand local and regional markets, and then reach these markets through enhanced relationships between hubs. This project leverages additional funds from both the applicant and the High Meadows Fund. It is expected to create 5 new jobs and save 21.
VERMONT	VT MAPLE SUGAR CO DBA BUTTERNUT FARM	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/18/19	0	28,079	0	This Rural Development investment will be used to purchase and install new equipment for maple syrup production. Vermont Maple Sugar Company is replacing a reverse osmosis system and upgrading an evaporator. These combined improvements will allow the company to reduce energy consumption by almost 29%, saving an estimated $3,300 annually. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGIN ISLAI	BEESTON HILL HEALTH AND WELLNESS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/31/18	2,100,000	0	0	Rural Development loan guarantee funds will be used for the acquisition of the Rehabilitation Center at Beeston hill. Rehabilitation Center at Beeston Hill is a health club and a rehabilitation/chiropractor office located in Christiansted, US Virgin Islands. The facility is a fully furnished gym with free weights and individual stations, separate cardio building variety of fitness classes, pool, spin studio, child care, restaurant and personal training available. The business operates as a traditional gym with monthly membership income. The facility also offers multi-disciplinary staff of chiropractors, physical therapists, athletic trainers, exercise physiologists and massage therapists. It also offers spinal decompression, aqua therapy and Class IV laser therapy along with standard chiropractic and physical therapy. This project will create 3 jobs and save 22 jobs for the community.

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VIRGIN ISLAN	CARIBBEAN CRANE & RIGGING, LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	08/20/19	5,000,000	0	0	Rural Development loan guarantee funds will be used to purchase heavy construction equipment. The borrower, Caribbean Crane & Rigging LLC (CC&R), is a newly formed entity that is 100% owned by Mr. Patrick Vivot. The company was formed to purchase equipment to be leased to Limetree Bay Refining (LBR). The equipment will immediately go to Limetree Bay Refining to accelerate the large project of restarting the refinery operations. This project will create 40 jobs and save 484 jobs for the community.
VIRGIN ISLAN	ORANGE GROVE REAL ESTATE , LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/20/19	1,100,000	0	0	Rural Development loan guarantee funds will be used to purchase commercial rental real estate properties in St Croix, Virgin Islands. The subject is located in the north central part of the island of St. Croix, just west of Christiansted, one of the two main urban centers on the island. The property is located off of a secondary road that runs behind the Golden Rock Shopping Center, in an area that is a mixture of industrial, commercial and residential. The property is fully occupied by 6 tenants consists of multiple buildings. This project will create 2 jobs for the community.
VIRGIN ISLAN	TTA LOGISTICS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	12/19/18	5,000,000	0	0	Rural Development loan guarantee funds will be used to purchase equipment to be leased to Limetree Bay Refining and lease a building it constructed to AmSpecs Services. TTA constructed the building on that land that will be lease to AmSpec Services. This equipment will immediately go to Limetree Bay Refining to begin the enormous project of restarting the refinery operations. This project will create 38 jobs for the community.
VIRGIN ISLAN	VALDEZ INDUSTRIAL GROUP, LLC	BI	GUARANTEED B&I 3% FEE LOAN	12/19/18	5,000,000	0	0	Rural Development loan guarantee funds will be used to purchase heavy construction equipment, namely cranes. This equipment will be leased immediately to one of the contactors to begin the enormous project of restarting the refinery operations in St. Croix Virgin Islands. The company plans to purchase 5 cranes with sizes ranging from 130 Tons to 275 Tons. 2 Tractor Heads, and a Vacuum Truck. Valdez Industrial is part of 5-year contract that assures the purchased equipment to generate an annual revenue. This means the pieces of equipment will essentially pay for themselves. This project will create 40 jobs for the St. Croix Virgin Islands community.
VIRGINIA	ADVANCED CONCRETE FOUNDATIONS, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/04/19	0	12,250	0	This Rural Development investment will be used to purchase an install a 33kW roof mount solar system in Louisa, VA. This system will be installed atop of a concrete contracting business and will displace 100% of their annual energy usage. The total project cost is $66,600 with $54,350 coming from borrower contribution.
VIRGINIA	AGRI-VARIATION ACRES, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/10/19	0	46,950	0	This Rural Development investment will be used for the purchase and installation of a 101.97kW roof mount solar system. Agri-Variation Acres, LLC, a family owned poultry farm, will generate 112,031 kWh per year and displace 90.8% of annual energy usage. This project will save enough electricity to power 10 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	BEEHIVE EVENTS, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/04/19	0	5,068	0	This Rural Development investment will be used to assist a special event design company in Scottsville, VA. Grants funds will be used for the purchase and installation of a 29.24 kWh roof mounted solar system that estimates to provide 100% offset of the current electrical consumption for the business operation. Total project cost is $51,903 with $38,928 coming from borrower contribution.
VIRGINIA	BELIVEAU ESTATE VINEYARD AND WINERY, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/24/19	0	38,000	0	This Rural Development investment will be used for the purchase and installation of a 123 kW ground mounted solar array on the property of Beliveau Estate Vineyard and Winery, LLC, a family owned vineyard and winery in Blacksburg, VA. This project will displace 100% of their annual energy usage and will save enough electricity to power 15 homes. The total project cost is $185,370 with $147,370 coming from borrower contribution. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	BRANDON RIDGE ASSOCIATES, LC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/04/19	0	19,500	0	This Rural Development Investment will be used for the purchase and insulation of a 30kW roof mounted solar PV system in Christiansburg, VA on a commercial building that is being used as office space. This system will generate 32,800kW annually which will displace 71% of their total energy usage. Total project cost is $78,000 with $58,500 coming from borrower contribution. Zero jobs will be created.

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VIRGINIA	BRENT MANOR, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	14,823	0	This Rural Development investment will be used for the purchase and installation of a 19 kW ground mount solar array. Brent Manor, LLC is a rural winery in Nelson County, VA. This project will generate 26,622 kWh annually to offset annual energy consumption. The total project cost is $209,578 with $189,578 coming from borrower contribution. Zero jobs will be created. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	BROOKNEAL, TOWN OF	RBOG	RBCS DEVELOPMENT GRANT	07/29/19	0	25,000	0	
VIRGINIA	CHATEAU MORRISETTE, INC.	BI	GUARANTEED B&I 3% FEE LOAN	11/06/18	2,500,000	0	0	This Rural Development loan guarantee investment will be used to refinance existing debt, purchase cider equipment, working capital and fees/costs for Chateau Morrisette, Inc., a rural winery in Floyd, VA. This loan will allow Chateau Morrisette, Inc. to obtain better loan terms and expand their cider operation and create a new market while saving 64 jobs. Additional funding includes a revolving line of credit from First Bank and Trust in the amount of $100,000.
VIRGINIA	CHESNUT FARMS, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/05/19	0	31,696	0	This Rural Development investment will help finance energy efficient improvements to a grain drying system on a family farming operation in Surry, VA. Grant funds will assist in converting from batch drying to bin drying and storage, resulting in 77.91% energy savings. The total project cost is $126,785 with $95,089 coming from borrower contribution. Zero jobs will be created.
VIRGINIA	CHILHOWIE, TOWN OF	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	33,500	0	Rural Development funds will be used to construct a farmers market.
VIRGINIA	COMMUNITY INVESTMENT COLLABORATIVE	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	60,000	0	
VIRGINIA	COOPERATIVE DEVELOPMENT FOUNDATION	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/17/19	0	175,000	0	
VIRGINIA	COOPERATIVE DEVELOPMENT FOUNDATION	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/11/19	0	200,000	0	This Rural Development investment will be used to provide technical assistance that focuses on the development and execution of a national strategy for rural home care cooperative development. A portion of funds will support CDF's long standing commitment to accessible and healthy food in rural communities, through their work with rural food cooperatives. Tasks include a national industry training event, sponsoring "pre-feasibility" studies, conducting feasibility studies, promoting implementation of new financing vehicle for homecare coops., and providing support for sound governance and strategic planning for rural food cooperatives. Total project cost is $267,000 with $67,000 coming from borrower contribution. Fifteen jobs will be created and one job will be saved.
VIRGINIA	COPPER CRICKET FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	8,172	0	This Rural Development investment will be used for the purchase and installation of a 11.06kW roof mounted solar array. Copper Cricket Farm, LLC is a farming operation that produces vegetables, fruits, and flowers in Northampton County, VA. This project will displace 100% of their annual energy usage. The total project cost is $32,690 with $24,518 coming from borrower contribution.The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	CROS-B-CREST FARM, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	04/09/19	0	32,240	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. This project will install a solar system to provide electricity to a farming operation that will displace 104% of their energy usage. The proposed system is projecting generate enough electricity to power the equivalent of 10 homes.
VIRGINIA	DARIEN, LLC DBA VALLEY CAR WASH 1	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/16/19	0	44,160	0	This Rural Development investment will be used for the purchase and installation of 76.8kW solar system on the property of Darien, LLC, a rural car washing business in Winchester, VA. This project will displace 61% of their annual energy usage and is energy to power the equivalent of powering 8 homes. The total project cost is $176,640 with $132,480 coming from borrower contribution. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	FLOYD COUNTY EDA	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	60,000	0	Rural Development funds will be used to

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
VIRGINIA	FRANJILOU FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	5,374	0	This Rural Development investment will be used for the purchase and installation of a 61.18 kW ground mount solar system on a crop and turkey farm in Harrisonburg, VA. This system is estimated to displace 58% of their annual energy usage. This project will save enough electricity to power 5 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	FRANKLIN LUMBER, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/29/19	0	35,774	0	This Rural Development investment will be used for the purchase and installation of LED Lighting upgrades to Franklin Lumber, LLC, a saw mill in Franklin, VA. This project will generate 64% of annual energy savings. The total project cost is $143,096 with $107,322 coming from borrower contribution. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	FULLER, AUBREY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/12/19	0	19,999	0	This Rural Development investment will be used to purchase and install a 53.76kW roof mount solar system in Mount Solon, VA. This project will be installed on a poultry operation that will displace 97.2% of their annual energy usage. The total project cost is $105,000 with $85,001 coming from borrower contribution.
VIRGINIA	GOODE, KYLE EDWARD	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	42,957	0	This Rural Development investment will be used for the purchase and installation of a 76.56 kW ground mounted solar array on the property of Kyle Goode's Dairy Farm in Ferrum, VA. This project will displace 98% of their annual energy usage and will save enough electricity to power 8 homes. The total project cost is $199,800 with $156,794 coming from borrower contribution. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	GRAYSON COUNTY	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	45,300	0	0
VIRGINIA	HORNET SOLAR, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/04/19	0	50,000	0	This Rural Development investment will be used for the purchase and installation of three different solar arrays totaling a 464.7 kW atop three buildings at Shenandoah University in Winchester, VA. Hornet Solar, LLC will be entering into a Power Purchase Agreement and selling electricity to Shenandoah University. This project will displace 10% of the annual energy usage of the three specified buildings on Shenandoah University campus and is enough electricity to power 60 homes. The total project cost is $751,270 with $701,270 coming from borrower contribution. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	INDEPENDENCE, TOWN OF	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	175,000	0	0
VIRGINIA	JOHNSON, TRENT	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/25/19	0	41,600	0	This Rural Development investment will be used for the purchase and installation of an 82kW solar system mounted on two poultry barn rooftops in Drakes Branch, VA. This project will displace 100% of their annual energy usage. The total project cost is $166,400 with $124,800 coming from borrower contribution. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	LISTENING POST, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	09/23/19	0	50,000	0	This Rural Development investment will be used for the purchase and installation of a 99.8kW grid tied solar PV system for Listening Post, LLC, a rural brewery in Warrenton, VA. This project will displace 15.4% of annual energy usage an is enough energy to power the equivalent of 11 homes. The total project cost is $199,999 with $50,000 coming from borrower contribution. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	MILLER, ZACHARY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	04/09/19	0	40,796	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. This project will install a 75.9kW solar system to provide electricity to a farming operation in Charlottesville, VA that will displace 88% of their energy usage. The proposed system is projecting generate enough electricity to power the equivalent of 9 homes.

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VIRGINIA	PAULSON RENEWABLE ENERGY, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/30/19	0	25,883	0	This Rural Development investment will be used to purchase and install a 256kW ground mounted solar system on a dairy farm. Paulsen Renewable Energy LLC will be purchasing the system and selling electricity through a PPA to the Paulson Dairy Farm. This project will generate 334,563 kWh, enough electricity to power 30 homes.
VIRGINIA	PEABODY SOLAR, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	20,000	0	This Rural Development investment will be used to purchase and install a 100kW roof mounted solar system in Charlottesville, VA. This project will be installed on Peabody School located at 1232 Stoney Ridge Road, Charlottesville, VA and is estimated to displace 93.2% of their annual energy usage. Total project costs are $288,864 with $286,864 coming from borrower contribution.
VIRGINIA	RA YANCEY LUMBER CORPORATION	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/28/19	0	17,131	0	This Rural Development investment will be used for the purchase and installation of LED Lighting upgrades to R.A. Yancey Lumber Corporation, a yellow pine saw mill in Crozet, VA. This project will generate 48% of annual energy savings. The total project cost is $68,523 with $51,392 coming from borrower contribution. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	RAMIIISOL VINEYARDS, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 108kW ground and roof mounted solar array. Ramiiisol Vineyards, LLC is a rural winery in Free Union, VA. This project will displace 96.71% of their annual energy usage. This project will save enough electricity to power 12 homes. The total project cost is $209,578 with $189,578 coming from borrower contribution. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	SHANE'S SIGNS, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/09/19	0	14,625	0	This Rural Development investment will be used to assist a sign manufacturing business in Broad Run, VA. Grant funds will be used to purchase and install a 22.5kW roof mounted solar system to displace 95.31% of their annual energy usage. The total project cost is $58,500 with $43,875 coming from borrower contribution. Zero jobs will be created.
VIRGINIA	SOUTHSIDE VA FRUIT AND VEG. PRODUCERS	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	126,200	0	Rural Development funds will be used to assist the Southside Virginia Fruit and Vegetable Producers Association which are composed of producers in the southside area. Project funds will be used for (1)The purchase of a a refrigerated truck to transport perishable fruit and produce to purchasers, with $93,456 in federal funds requested and (2) Hire personnel to undertake the needed coordination, packaging and delivery activities, with $5,950 in federal funds requested and a cash match from the organization of $5,000. The total project cost is $104,406. 2 jobs will be created.
VIRGINIA	SOUTHWESTVA HIGHER ED. CENTER FOUNDATION	RBOG	RBCS DEVELOPMENT GRANT	07/29/19	0	20,117	0	
VIRGINIA	SUNRISE FARMS, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/25/19	0	73,300	0	This Rural Development investment will be used for the purchase and installation of a 188.64kWground mounted solar array on the property of Sunrise Farms, Inc., a family owned farm in Stuarts Draft, VA. This project will displace 100% of their annual energy usage and will save enough electricity to power 22 homes. The total project cost is $293,200 with $219,900 coming from borrower contribution. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	THE ADVANCEMENT FOUNDATION	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	75,000	0	
VIRGINIA	THE CLIFTON FORGE COMPANY	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	150,000	0	
VIRGINIA	TOWN OF BEDFORD	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	76,000	0	
VIRGINIA	TOWN OF BRIDGEWATER	RBOG	RBCS DEVELOPMENT GRANT	07/29/19	0	30,000	0	
VIRGINIA	TRIFOLIUM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/14/19	0	14,685	0	Rural Development funds will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. This project will install a 22.42 kW solar PV system to provide electricity to a farming operation that will displace 100% of their energy usage.

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VIRGINIA	TRIPLE R DAIRY, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/24/19	0	54,450	0	This Rural Development investment will be used for the purchase and installation of a 108.9 kW roof mounted solar array on the property of Triple R Dairy, LLC, a family owned poultry farm in Crewe, VA. This project will displace 93% of their annual energy usage and will save enough electricity to power 12 homes. The total project cost is $217,800 with $163,350 coming from borrower contribution. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	VA FOUNDATION FOR AG INNOVATION & RS	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/10/19	0	200,000	0	0
VIRGINIA	WAYNESBORO SOLAR, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/24/19	0	250,000	0	This Rural Development investment will be used for the purchase and installation of a 1 MW solar system to power four public schools within the City of Waynesboro, VA. This project will generate 1,426,370 kWh and displace 31% of the school's annual energy usage, while saving enough electricity to power 131 homes. The total project cost is $1,469,158 with $1,219,158 coming from borrower contribution. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	WILLOW OAKS FARM, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 71.45kW solar array. Willow Oaks Farm, LLC is a family owned poultry farm in Keezletown, VA. This project will displace 99% of their annual energy usage and will generate enough electricity to power the equivalent of 8 homes. The total project cost is $142,000 with $122,000 coming from borrower contribution. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
VIRGINIA	WINTON FARM, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	50,000	0	This Rural Development investment will be used for the purchase and installation of a 163kW ground mounted solar array on the property.
VIRGINIA	YAROS FARMS, INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/04/19	0	19,373	0	This Rural Development investment will be used to assist a farming operation in Cape Charles, VA. Grant funds will be used to purchase and install a new high efficiency grain dryer. This system is projected to reduce energy consumption by 27.7%. Total project cost is $77,494 with $58,121 coming from borrower contribution. Zero jobs will be created.
WASHINGTOI	8TH AVENUE LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/30/18	7,500,000	0	0	Rural Development loan guarantee funds will be used to take out an interim construction loan to construct a 39,253 square ft. commercial building that will house five tenants that include two existing businesses and three new businesses. The project is expected to retain two jobs for the borrowing entity and forecasts the tenants will create 50 jobs and retain 25 jobs.
WASHINGTOI	ALLORA PROPERTIES, LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/23/19	690,200	0	0	Rural Development loan guarantee funds will be used to purchase an existing resort property.The project is expected to retain 3 jobs and create one job. The Percentage of Guarantee is 80%, Guarantee Fee is 3%, Annual Renewal Fee is 0.5%, Guarantee Interest Rate is 8.25% with Variable Rate, 30 year term and WSJ Prime +2.75 (Adjusts every quarter).
WASHINGTOI	AMOS, JESSICA A	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	6,831	0	This Rural Development investment will be used for the purchase and installation of a 12 Kw roof mount solar photovoltaic system. Jessica Amos DBA JB Ranch and Stables operates a horse ranch offering boarding, training, sales, and arena rental in rural Orting, Washington. This solar PV system is estimated to produce enough electricity to replace 37% of the current usage at this facility and will save this business approximately $1,100 per year in utility costs. The energy to be produced with this system is enough to power at least one average household. The purpose of this program funding is to assist farmers, ranchers, and rural small business in developing renewable energy systems and making energy efficiency improvements to their operations.
WASHINGTOI	ASHAPURI INC	BI	GUARANTEED B&I 3% FEE LOAN	10/30/18	2,080,000	0	0	This Rural Development loan guarantee investment will be used to fund the acquisition of a hotel by the borrower, Ashapuri Inc. The business currently operates as the Olympic View Inn and is located in rural Sequim, WA. The project is expected to result in saving eight full time jobs. The borrower is contributing $651,865 in cash towards the proposed project.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
WASHINGTOI	BAILEY, LARRY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/15/19	0	6,120	0	Rural Development funds will be used to help fund the purchase and installation of a 8.64 kW solar array. Larry Bailey owns and operates Clean Food Farm on ten acres in Orting, Pierce County, Washington. The grantee will generate an estimated 9,000 kWh and realize $980 each year in savings. The energy generated is enough electricity to power one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and making energy-efficiency improvements to their operations.
WASHINGTOI	BEAN, GENTRY, WHEELER & PETERNELL PLLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/12/19	0	8,596	0	This Rural Development investment will be used for the purchase and installation of a 12 Kw roof mount solar photovoltaic system. Bean, Gentry, Wheeler & Peternell PLLC is a law firm located in a poverty census tract in rural Olympia, WA. This solar PV system is estimated to produce enough electricity to replace 47% of the current usage at this facility and will save this business approximately $1,200 per year in utility costs. The energy to be produced with this system is enough to power at least one household. The purpose of this program funding is to assist farmers, ranchers, and rural small business in development in developing renewable energy systems and making energy efficiency improvements to their operations.
WASHINGTOI	BLUE HERON FARM & NURSERY, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/10/19	0	7,464	0	Rural Development funds will be used to help fund the purchase and installation of a 12kW PV solar system. Blue Heron Farm & Nursery is a nursery located in rural Skagit County, WA. The grantee is projected to generate 10,022 kWh of power, which is enough electricity to power one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and making energy-efficiency improvements to their operations.
WASHINGTOI	BROADMOOR FARMS INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/22/19	0	62,139	0	This RD investment will be used for the purchase and installation of a 128 kW Solar PV System to assist the family owned Broadmoor Farms in Kittitas county. This project will replace 173060 kwh (99.1%) per year and realize $16,440 of savings per year. The purpose of this program funding is to assist farmers, ranchers, and rural small business in developing renewable energy systems and making energy efficiency improvements to their operations.
WASHINGTOI	C & C HOP FARM INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/23/19	0	45,162	0	his RD investment will be used for the purchase and installation of a 134 kW Solar PV System to assist the family owned C & C Hop Farm Inc. in Yakima county. This project will replace 178942 kwh (70%) per year and realize $14,315 of savings per year. The purpose of this program funding is to assist farmers, ranchers, and rural small business in developing renewable energy systems and making energy efficiency improvements to their operations.
WASHINGTOI	CARRAS CABINETS INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/09/19	0	8,913	0	This Rural Development investment will be used for the purchase and installation of a 12.2 kW solar photovoltaic roof top system. Carras Cabinets is a kitchen cabinet maker located in Olympia, WA. This solar PV system is estimated to produce enough electricity to replace 60% of the current usage at this facility and will save this business approximately $1,200 per year in utility costs. The energy to be produced with this system is enough to power an average household. The purpose of this program funding is to assist farmers, ranchers, and rural small business in development in developing renewable energy systems and making energy efficiency improvements to their operations.
WASHINGTOI	CHADWICK FC, INC.	BI	GUARANTEED B&I 3% FEE LOAN	10/30/18	575,000	0	0	This Rural Development loan guarantee investment will be used to fund the acquisition of an agritourism business by the borrowers, Chadwick FC, Inc. and CFC Investments, LLC. The business is an event venue in a farm setting that also hosts seasonal festivals focusing on local food and agriculture. The project is expected to result in saving two full time jobs and creating three more. The borrower is contributing ~$20,000 in cash towards the project.
WASHINGTOI	CHEHALIS TRIBAL LOAN FUND PO BOX 536	RBEG	RBCS ENTERPRISE GRANTS	06/18/19	0	40,000	0	Rural Development funds will help finance a developing Reservation/Native community specific Tribal Financial Empowerment Center in Grays Harbor County. Services would target tribal citizens and Chehalis Tribal employees and enterprise employees in Thurston County, Lewis County, Pierce County, Mason County. It will provide free, professional, one-on-one financial education, counseling, and coaching to help tribal people become financially stable. It is anticipated that as many as 11 businesses will be assisted along with 21 new jobs and 10 jobs saved.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
WASHINGTOI	COBALT ENTERPRISES, LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	04/04/19	3,696,000	0	0	This Rural Development loan guarantee investment will be used to fund the refinance of equipment and business acquisition loans incurred by the borrower, Cobalt Enterprises, LLC. The borrower is a machine shop specializing in aerospace manufacturing headquartered in Granite Falls, WA. The project is expected to result in saving 100 and creating 36 full time jobs.
WASHINGTOI	COMMUNITY COLLEGES OF SPOKANE - DIST. 17	RBEG	RBCS ENTERPRISE GRANTS	06/18/19	0	46,682	0	Rural Development funds will help fund equipment for a Industrial and Manufacturing Technology Certificate Program in Pend Oreille, Stevens and Ferry Counties in Northeast Washington. Local manufacturers have indicated the lack of skilled applicants and that they must search outside of the area for qualified people. This program will provide locals with the opportunity to gain skills and a certification that will allow them to be hired by local manufacturers. The plan to run 10 students annually through the program which should result in 10 new jobs being filled.
WASHINGTOI	ENTERPRISE FOR EQUITY	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/26/19	0	10,468	0	0
WASHINGTOI	FRANK HOTELS LONG BEACH LLC	BI	GUARANTEED B&I 3% FEE LOAN	02/20/19	2,690,000	0	0	Rural Development loan guarantee funds will be used to purchase and renovate an existing hotel in Long Beach, Washington The project is expected to retain 15 will create 10 jobs. The Percentage of Guaranteee is 80%, Guarantee Fee is 3%, Annual Renewal Fee is 0.5%, Guarantee Interest Rate is 7.25% with Variable Rate, 28 year & 8 month term and WSJ Prime +1.75 (Adjusts every quarter).
WASHINGTOI	FRANK HOTELS WESTPORT MARINA LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/23/19	2,400,000	0	0	RD investment will be used to purchase Westport Marina Cottages preserving 9 existing jobs and providing additional business development for existing businesses in the Westport community. RD investment will be coupled with borrower invest of $671,000
WASHINGTOI	FUNGI PERFECTI, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/02/19	0	9,222	0	This Rural Development investment will be used for the purchase and installation of a 12 Kw roof mount solar photovoltaic system. Fungi Perfecti, LLC is located in rural Shelton, WA and produces mushroom mycelian use in human health supplements. This solar PV system is estimated to produce enough electricity to replace 6% of the current usage at this facility and save this business approximately $600 a year in utility costs. The energy to be produced with this system is enough to power one average household.
WASHINGTOI	GREEN RIVER COMMUNITY COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	05/14/19	0	44,004	0	Rural development funds will help finance the purchase of distant learning equipment and provide technical assistance in order to offer remote instruction to owners and employees of small and emerging businesses in the Enumclaw and Buckley, Washington communities. It is anticipated that as many as 50 businesses will be assisted, 15 jobs created, and 5 jobs will be saved over the next three years as a result of the proposed activity.
WASHINGTOI	HEART PATH FARMS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/10/19	0	7,193	0	Rural Development funds will be used to help fund the purchase and installation of a 12kW PV solar system. Heart Path Farms is an essential oil manufacturer in rural Island County, WA. The grantee is projected to generate 12,102 kWh of power, which is enough electricity to power one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and making energy-efficiency improvements to their operations.
WASHINGTOI	HILDE, JASON	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/04/19	0	20,776	0	Rural Development funds will be used to help fund the purchase and installation of a 42kW PV solar system. Jason Hilde is a dentist in rural Burlington, WA. The grantee is projected to generate 42,850 kWh of power, which is enough electricity to power 4 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and making energy-efficiency improvements to their operations.
WASHINGTOI	KENANDY, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/18/19	0	49,919	0	This RD investment provides funding for the installation of a 93.3kW solar PV system that will replace a 105% of the energy used for the onion storage facility for this rural small business in Grant County, WA. The purpose of this funding program is to assist farmers, ranchers, and rural business in developing renewable energy systems, and making energy-efficiency improvements to their operations.

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State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
WASHINGTOI	KIRSOP FARMS, INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/10/19	0	10,235	0	This Rural Development investment will be used for the purchase and installation of a 12 kW ground mounted solar photovoltaic system at Kirsop Farms. This is a vegetable and dairy farm located in rural Rochester, Washington. The system is estimated to produce enough electricity to replace 17% of the current usage at this facility and will save this farm operation approximately $1,200 per year in utility costs. The energy to be produced with this system is enough to power an average household. The purpose of this program funding is to assist farmers, ranchers, and rural small business in developing renewable energy systems and making energy efficiency improvements to their operations.
WASHINGTOI	LOPEZ SUAREZ, JOAQUIN	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/22/19	0	7,992	0	Rural Development funds will be used to help fund the purchase and installation of a 10.85 kW PV solar array. Joaquin Lopez Suarez dba Mariposa Farm is a vegetable farmer in rural Whatcom County, WA. The grantee will realize an estimated 11,148 kWh and $1,226 each year in savings, which is enough electricity to power one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and making energy-efficiency improvements to their operations.
WASHINGTOI	LUMMI CDFI	RBEG	RBCS ENTERPRISE GRANTS	06/18/19	0	124,500	0	Rural Development funds will help fund training and technical assistance efforts for existing and prospective small businesses and entrepreneurs on the Lummi Reservation and in other rural areas of Whatcom County, WA. Lummi CDFI, a non-profit business technical assistance provider and lender, will undertake these efforts. Specific assistance offered will include one-on-one business development training, organization of workshops, conferences, and seminars, peer-to-peer mentoring, and access to capital through the applicant's affiliated loan programs and business savings accounts. At least one entrepreneur and five business will be assisted and the project is expected to create at least 8 jobs.
WASHINGTOI	MERCY CORPS	RBEG	RBCS ENTERPRISE GRANTS	06/18/19	0	47,083	0	This RD investment will fund small business training and mentorships by Mercy Corps in the Walla Walla community. The business training workshops will provide new businesses and new start-up businesses with resources for business operations. Mercy Corps will provide training with additional focus on Spanish speaking clients located in Walla Walla County, WA
WASHINGTOI	METHOW CONSERVANCY	RBEG	RBCS ENTERPRISE GRANTS	06/18/19	0	30,000	0	Rural Development funds will help fund training and technical assistance for staff and agricultural producers of a newly certified USDA meat processing facility in Okanogan County, WA. Okanogan is a rural county that has been adversely impacted by wildfires in recent years, with several meat producers that have to travel up to eight hours with their animals to be processed in a USDA inspected facility. They also are covered by enterprise zonesThe new facility will allow local producers to sell to grocery stores and restaurants. Methow Conservancy plans to offer classes and workshops to producers , as well as, staff of the meat processor. Grant will benefit up to 85 agricultural producers and create 4 jobs.
WASHINGTOI	MISSION LIFTS LLC	REAP	REAP-MAND ENERGY EFF IMPROV LOANS GUAR	08/26/19	1,745,000	0	0	Rural Development funds will be used to replace existing chair lift with newer energy efficient chair lift to provide energy saving of 78,714,840 btu or 6% per year for Mission Lifts, LLC in Chelan County, WA. The co-borrowers on the loan are New Mission, LLC and Mission Ridge Resort, Inc. The applicant and the affiliates all operate together for the Mission Ridge Ski Resort that has been in operation since 1966. This loan will assist in saving 265 jobs and creating 10 jobs.
WASHINGTOI	NORTHWEST AGRICULTURE BUSINESS CENTER	RBEG	RBCS ENTERPRISE GRANTS	06/20/19	0	62,656	0	Rural Development funds will fund the provision of technical assistance from the applicant and creation of third-party professional/technical reports for the benefit of Island Grown Farmer's Cooperative and the Chehalis Valley Grain Facility. Northwest Agricultural Business Center, a non-profit organization supporting local food growers and distributors in Northwest Washington, will carry out the project. Island Grown Farmer's Cooperative and its members located in Skagit, San Juan, Island, Snohomish, and Whatcom Counties and the stakeholders of the Chehalis Valley Grain Facility in Lewis, Grays Harbor, and Thurston Counties will be the primary beneficiaries. Funds will specifically be used to pay for applicant staff time to create a financial plans and fund the creation of final plans and specifications and provision of other engineering services by independent engineering firms. Eight businesses are expected to receive assistance, and eight jobs are expected to be created through the project.

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WASHINGTOI	NORTHWEST AGRICULTURE BUSINESS CENTER	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/19/19	0	200,000	0	Rural Development funds will be used to cover the cost of delivering rural cooperative development education and technical assistance to existing Cooperatives, potential groups, businesses and individuals in Northwest Washington State with emphasis on agricultural rural economic development. The goal is to assist existing cooperatives to expand, assist businesses or groups with technical assistance interested in pursuing the cooperative business model. this project will deliver education at events and workshops focusing on floriculture in the form of presentations statewide. This project aims to support creation of 15 new jobs, as well as save 30 jobs as a result of starting or expanding the cooperative business model.
WASHINGTOI	NORTHWEST COOPERATIVE DEVELOPMENT CENTER	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/18/19	0	175,000	0	Rural Development funding will support Northwest Cooperative Development Center (NWCDC) in assisting eleven cooperative business and other business projects particularly in the areas of homecare, manufactured housing, locally grown foods and other worker owned industry cooperatives. NWCDC will provide technical assistance to those endeavoring to undertake the cooperative business model. The assistance will include education and research, cost analysis, strategic and business and capitalization planning, board coaching and training. NWCDC will arrange services such as interpreters and translations to provide members of socially disadvantaged groups the opportunity to grow and prosper.
WASHINGTOI	NORTHWEST COOPERATIVE DEVELOPMENT CENTER	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/18/19	0	200,000	0	Rural Development investment will be used to support Rural Cooperative Development in Washington, Idaho and Oregon. Northwest Cooperative Development Center (NWCDC) in Olympia, WA will provide guidance that will help entrepreneurs and businesses to develop a cooperative business model, organizational governance and operations systems. NWCDC proposes to assist a minimum of 17 cooperatives. Various housing and worker cooperatives will be assisted with technical assistance to explore business options and help launch new cooperatives by way of business planning, market analysis, cooperative model board training, workshops and other events. This one year project aims to promote and assist economic development to revitalize distressed rural areas of the northwest and enhance the quality of life for rural residents.
WASHINGTOI	NORTHWEST COOPERATIVE DEVELOPMENT CENTER	RBEG	RBCS ENTERPRISE GRANTS	06/05/19	0	21,085	0	Rural Development funds will fund the provision of training classes and one-on-one technical support to entrepreneurs and businesses in Sedro-Woolley, WA. Training will take place in conjunction with a business plan competition for seed money and discounted incubator space in a new business park, which will be funded through other sources. Northwest Cooperative Development Center, a non-profit organization supporting the development and growth of local business cooperatives in Western Washington, will carry out the project with assistance from the Center for Inclusive Entrepreneurship and the Small Business Development Council of Skagit County. Six businesses are expected to receive assistance and six jobs are expected to be created through the project.
WASHINGTOI	ORCAS POWER & LIGHT COOPERATIVE	REAR	REAP ENERGY AUDIT RECIPIENT	03/19/19	0	100,000	0	Rural Development grant money will be used to fund the provision of energy audits to agricultural producers and rural small businesses in San Juan County, WA. The applicant, Orcas Power & Light Cooperative, is a utility provider in the County. The applicant and its partners plan to provide at least 15 energy audits to eligible businesses.
WASHINGTOI	OUTLOOK INN, INC.	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	06/17/19	0	32,984	0	Rural Development funds will be used to help fund the installation of energy efficiency improvements including replacement heat pumps, water heaters, and insulation. The Outlook Inn is a hotel in rural Eastsound, WA. The grantee is projected to save 68,325,300 BTUs of power, which is enough electricity to power two homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and making energy-efficiency improvements to their operations.
WASHINGTOI	PATEROS-BREWSTER COMMUNITY RESOURCE CTR	RBEG	RBCS ENTERPRISE GRANTS	06/18/19	0	27,175	0	Rural Development funds will help fund equipment for the resource building currently leased by the Pateros-Brewster Community Resource Center in Pateros, WA. Following recent devastating fires the Community Resource Center was established to help those impacted by the fires and who lost the jobs as a result of the fires. Equipment will include lighting, furniture and computer equipment. The Community Resource Center works closely with the regional office of Work Source to provide resources and training.

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WASHINGTOI	PROBABLY SHOULDN'T DISTILLERY LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/12/19	0	7,145	0	Rural Development funds will be used to help fund the purchase and installation of a 9.9 kW PV solar array. Probably Shouldn't Distillery LLC is a distillery on the site of an organic blueberry farm in rural Whatcom County, WA. The grantee will realize an estimated 10,761 kWh and $1,184 each year in savings, which is enough electricity to power one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and making energy-efficiency improvements to their operations.
WASHINGTOI	RABBLE AND ROOST LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/09/19	0	7,759	0	Rural Development funds will be used to help fund the purchase and installation of a 11.7 kW PV solar array. Rabble and Roost is a chicken egg producer in rural Whatcom County, WA. The grantee will realize an estimated 9,813 kWh and $981 each year in savings, which is enough electricity to power one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and making energy-efficiency improvements to their operations.
WASHINGTOI	SEATTLE ECONOMIC DEVELOPMENT FUND .	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	39,114	0	
WASHINGTOI	SEATTLE WHOLESALE GROWERS MARKET CO-OP	SSDPG	SMALL SOCIALLY DISADVANTAGED PRODUCER GRANT	09/19/19	0	175,000	0	USDA Rural Development investment will pay for Seattle Wholesale Growers Market Cooperative to provide technical assistance, feasibility study for marketing opportunities for socially disadvantaged flower growers in rural areas of Washington and Oregon. The work will be conducted by national and local experts in the flower growing industry and the cooperative business model to help individual farmers become knowledgeable about the cooperative business model. This project will provide tools, resources to improve marketing of product, business planning, mentoring and other relevant business training topics. The project goal is to assist rural growers in realizing increased customer base, higher farm revenue and business sustainability.
WASHINGTOI	SHRI KRISHNA LLC	BI	GUARANTEED B&I 3% FEE LOAN	01/29/19	692,000	0	0	This Rural Development loan guarantee investment will be used to fund the acquisition of a motel and RV park by the borrower, Shri Krishna LLC. The business currently operates as Country Cabins and is located in rural Quincy, WA. The project is expected to result in saving three full time jobs. The borrower is contributing $175,000 in cash towards the proposed project.
WASHINGTOI	SIMCHUK, KARENE MAE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/13/19	0	8,126	0	This Rural Development investment will be used for the purchase and installation of a 12 kW solar PV system for Hidden Acres Farm fruit stand in Meade WA, Spokane County. The system will replace 107% of the energy consumption for the farm per year and realize $1,687 of saving per year. The purpose of this funding is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WASHINGTOI	SMALL ACRES, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/26/19	0	16,844	0	Rural Development funds will be used to help fund the purchase and installation of a 10 kW wind turbine. Small Acres is a farm that primarily produces vegetables and chicken eggs in rural Whatcom County, WA. The grantee will realize an estimated 8,060 kWh and $806 each year in savings, which is enough electricity to power one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and making energy-efficiency improvements to their operations.
WASHINGTOI	SNOHOMISH CONSERVATION DISTRICT	REAR	RENEWABLE ENERGY DEVLP ASSISTANCE GRANTS	03/27/19	0	100,000	0	This Rural Development investment will be used throughout the state of Washington to conduct approximately 30 solar renewable energy and energy efficiency site assessments for rural small businesses and agricultural producers. These site assessments will provide analysis to make energy-efficiency improvements to these operations and/or install renewable energy systems. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WASHINGTOI	SOUTHEAST WASHINGTON ECONOMIC DEV ASSOC	RBEG	RBCS ENTERPRISE GRANTS	06/11/19	0	18,000	0	This RD investment will help to finance training and technical assistance for business development services for small rural businesses located in Asotin, Garfield and Whitman Counties in WA, with assistance focusing on new and emerging small businesses. It will help to provide education, training, office equipment, laptops and related supplies to establish a business resource center.

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OREGON	SPARK NORTHWEST	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	35,159	0	Energize South Coast takes a two pronged approach to growing jobs for small HVAC (Heating Ventilation and Air Conditioning) installation businesses. First, we provide business development training on how to run a group purchase campaign and how to use customer relationship management tools to track potential leads, from interest through installation. Second, we provide a series of public workshops to promote the adoption of energy efficient HVAC systems, thereby growing the market for the small HVAC installation businesses that are now equipped to deal with the increase in leads and sales. This combination of business development training followed swiftly by a group purchase campaign has proven successful in growing jobs in rural communities.
WASHINGTOI	SUSTAINABLE CONNECTIONS	RBEG	RBCS ENTERPRISE GRANTS	06/05/19	0	25,000	0	Rural Development funds will fund the provision of technical assistance and training for local farmers and food producers in unincorporated Whatcom County, WA. Sustainable Connections, a non-profit organization, will undertake these efforts through their Cloud Mountain Farm Center operation. Training will consist of a three-stage program that includes a mentoring program with established farmers, a business incubator program, and a business management training program that covers topics like business planning, marketing, and budgeting. At least three businesses will be assisted, and the project is expected to create at least three jobs.
WASHINGTOI	TAPROOT A LOPEZ KITCHEN	RBEG	RBCS ENTERPRISE GRANTS	06/17/19	0	20,815	0	Rural Development funds will be used to purchase commercial kitchen equipment for the benefit of local farmers and food producers on Lopez Island, WA. Taproot A. Lopez Kitchen, a nonprofit food processing facility on the island, will undertake the project. Specifically, grant funds will be used to purchase and install a new walk-in refrigerator and install shelving in the facility. The grantee will match grant funds with donated labor and equipment including several other cooling units and a apple/pear coring and wedging device. At least six businesses will be assisted, and the project is expected to create or retain 33 jobs.
WASHINGTOI	TOM-N-JERRYS BOAT CENTER	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/10/19	0	14,439	0	Rural Development funds will be used to help fund the purchase and installation of a 29kW PV solar system. Tom N' Jerry's boat center is an boat dealer in rural Skagit County, WA. The grantee is projected to generate 30,826 kWh of power, which is enough electricity to power three homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and making energy-efficiency improvements to their operations.
WASHINGTOI	TOWNSHEND CELLAR INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/24/19	0	6,047	0	This Rural Development investment will be used for construction of a 13kW solar PV system for Townshend Cellars tasting room in Spokane County, Colbert, WA. The system will replace 34% of the annual energy consumption per year,and realize &$1,633 per year in savings. The purpose of this funding is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WASHINGTOI	TRI COUNTY ECONOMIC DEV. NONPROFIT CORP	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	9,919	0	
WASHINGTOI	TWIN BRIDGES MARINE PARK LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/19/19	0	37,370	0	Rural Development funds will be used to help fund the purchase and installation of a 84kW PV solar system. Twin Bridges Marine Park is a marina in rural Skagit County, WA. The grantee is projected to generate 88,315 kWh of power, which is enough electricity to power eight homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and making energy-efficiency improvements to their operations.
WASHINGTOI	TWIN BROOK CREAMERY, LLC	VAPG	VALUE-ADDED PRODUCER DVLP GRANTS-DISCR	02/14/19	0	249,532	0	Rural Development funds will be used to offset a portion of processing and marketing expenses incurred by the grantee in the process of creating and selling kefir as a value-added product. The project is anticipated to create three new jobs in Whatcom County, WA.
WASHINGTOI	VENABLES, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/13/19	0	12,688	0	This Rural Development investment will be used for the purchase and installation of a 17 kW roof mount solar photovoltaic system. Venables, Inc. is a pest extermination company located in in rural Tumwater, WA. This solar PV system is estimated to produce enough electricity to replace 42% of the current usage at this facility and will save this business approximately $1,700 per year in utility costs. The energy to be produced with this system is enough to power two households. The purpose of this program funding is to assist farmers, ranchers, and rural small business in developing renewable energy systems and making energy efficiency improvements to their operations.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
WASHINGTOI	WA TRUST FOR HISTORIC PRESERVATION	RBOG	RBCS DEVELOPMENT GRANT	05/21/19	0	25,000	0	USDA investment through the Rural Business Development Grant will be used to support Washington State Main Street Program which helps communities revitalize the economy, appearance, and image of down town commercial districts. This projec will provide technical assistance, resources and training to six rural communities of Chelan, Colfax, Dayton, Prosser, Walla Walla, and Wenatchee. The project will support the identified downtown commercial districts in developing strategic economic development plans, providing technical assistance and resources such as training, mentoring and assessment reports identifying strengths and weaknesses. This work will assist in carrying out economic development work to increase new and expanded businesses. It is expected that 11 new businesses and 20 new jobs will be realized.
WASHINGTOI	WEP LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/12/19	0	12,002	0	Rural Development funds will be used to help fund the purchase and installation of a 10.8 kW Solar PV system. WEP LLC is a bed and breakfast inn located in Skagit County, WA. The grantee will realize an estimated 10,476 kWh and $1,152 each year in savings, which is enough electricity to power one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and making energy-efficiency improvements to their operations.
WASHINGTOI	WEP LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/12/19	0	7,079	0	Rural Development funds will be used to help fund the installation of energy efficiency improvements including installation of a replacement heat pump and water heater. WEP LLC is a bed and breakfast inn located in Skagit County, WA. The grantee will realize an estimated 61,486,888 BTUs and $1,129 each year in savings, which is enough electricity to power one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and making energy-efficiency improvements to their operations.
WASHINGTOI	WESTPORT INN, LLC DBA WESTPORT INN	BI	GUARANTEED B&I 3% FEE LOAN	06/28/19	2,050,000	0	0	Rural Development loan guarantee funds will be used to refinance a loan on CRE consisting of a hotel, cabin, and RV park, in Westport, Washington. The project is expected to retain 15 jobs. The Percentage of Guaranteee is 80%, Guaranteee Fee is 3%, Annual Renewal Fee is 0.5%, Guarantee Interest Rate is 7.25% with Variable Rate, 29 years & 6 month term and WSJ Prime +1.75 (Adjusts every quarter).
WASHINGTOI	WILLIAM E. MUNSON COMPANY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/19/19	0	76,641	0	Rural Development funds will be used to help fund the purchase and installation of a 132kW PV solar system. William E. Munson Company is a manufacturer of welded aluminum boats located in rural Skagit County, WA. The grantee is projected to generate 128,967 kWh of power, which is enough electricity to power 11 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and making energy-efficiency improvements to their operations.
WASHINGTOI	WIND RIVER BIOMASS UTILITY, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	06/24/19	0	190,009	0	Rural Development funds will be used to help fund the installation of a Chiptec gasifier with burner/thermal oil heat exchanger system. Gasifier is capable of producing more than 10,000,000,000 BTU's using waste timber and slash from private land owners and timber companies delivered to the site. The heat will be used to warm greenhouses adjacent to the gasifier, as well as generate approximately 250kWh of power to be used on-site. In addition, the heat will also be used to kiln dry firewood to be sold at local campgrounds and retail outlets. The site of the facility is the former US Forest Service nursery near Stabler, WA.
WASHINGTOI	Y4 LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/01/19	7,500,000	0	0	RD investment will assist in the business acquisition of the existing Hampton Inn located in Ellensburg, WA in Kittitas County. Hotel has daily breakfast provided and will purchase fresh food from local vendors including dairy products, fruit, pastry and coffee. The hotel will create 1 new job and save the 26 employees in an area that has over 20% of the population living in poverty. The RD investment will be leveraged with an SBA loan to complete the purchase transaction.
WEST VIRGII	ABEREGG, ROBERT	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	11,687	0	This Rural Development investment will be used for the purchase and installation of a 18 kW solar array on the family farm of Robert Aberegg. This project will replace 20,119 kWh (100%) per year and realize $2,353 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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WEST VIRGIN	ALLEMARI FARMS LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	09/26/19	4,948,000	0	0	The RD investment will be used for refinance, equipment, working capital and fees for Allemari Farms, LLC and Allemari Stone, a stone quarry business in Elk Garden, WV which has been in operation since 2008. Allemari produces 30 types of real natural stone veneer to wholesalers who sell to consumers onsite at their facility which is home to one of the largest stone deposits in the eastern US near Mt Storm, W.Va. B&I loan funds will be used for the restructuring of several existing loans to lower payments and improve cash flow of their operations, as well as purchase equipment and working capital and pay loan fees. This project will create 10 new jobs and save 12 existing jobs.
WEST VIRGIN	AMERICA'S BEST BLOCK, INC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	04/01/19	5,000,000	0	0	Rural development B&I guaranteed funds will be used for the construction of a new manufacturing facility producing autoclave aerated concrete (AAC) blocks made from coal ash. AAC blocks are considered more environmentally friendly than traditional concrete building blocks and have many positive qualities such as being light weight, durable, and are noise, mold, moisture and pest resistant. The facility will be constructed in Keyser, WV and provide an additional 35 new jobs to Mineral County. The loan of $5,000,000 has a variable interest rate of 7.50% with a 21.5 year term.
WEST VIRGIN	C.P.H. DEVELOPMENT CO.,L.P.	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	04/08/19	2,500,000	0	0	This Rural Development loan guarantee investment will be used to support an existing USDA B&I Borrower. The funds are needed to help the small business update their facility and refinance existing debt. The refinance portion of the loan is 22% of the loan request and will significantly reduce the borrower's payment. In addition, the facility is to be updated to meet the hotel franchise requirements. According to the borrower, 22 jobs will be saved and 5 created with the guaranteed loan funds.
WEST VIRGIN	CARR, RAYLYNN B	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	5,953	0	This Rural Development investment will be used for the purchase and installation of a 38 kW solar array on the family farm of Raylynn Carr. This project will replace 9,125 kWh (67%) per year and realize $980 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	CASCADE PROPERTIES, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	17,070	0	This Rural Development investment will be used for the purchase and installation of a geothermal heating and cooling system for a historic inn located in Fayetteville. This project will replace 6,841 kWh (47%) per year and realize $384 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	CASCADE PROPERTIES, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/29/19	0	18,765	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting, new insulation, and HVAC system. Cascade Properties is an existing business that provides bed and breakfast services to visitors to Fayetteville. This project will realize $95 per year in savings, and will replace 495kWh per year, which is enough electricity to power less than 1 home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	COALFIELD DEVELOPMENT CORPORATION	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	50,000	0	Rural Development investment funds will be used to renovate the Henson building into an enterprise hub featuring an aggregation and distribution center in Lincoln County. Borrower contribution is $30,000. Additional funding is a loan for $40,000.
WEST VIRGIN	DOWNSTREAM STRATEGIES, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	5,760	0	This Rural Development investment will be used for the purchase and installation of a 12 kW solar array on the Morgantown office of Downstream Strategies, LLC. This project will replace 12,165 kWh (100%) per year and realize $5,675 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	EASTERN WV COMMUNITY & TECHNICAL COLLEGE	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	48,325	0	Rural Development investment funds will be used to produce a feasibility and design analysis for a potential Mountain Skyway Center to house workforce and economic development initiatives. The service area is Hampshire, Hardy, Grant, Pendleton, Mineral, Tucker, Randolph, Pocahontas Counties. The borrower contribution is $11,800.

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WEST VIRGI	FRIENDS OF MONROE, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	6,970	0	Rural Development investment funds will be used to support tourism in Monroe County with online listings to increase collaborations, a unified calendar of events and interactive map.
WEST VIRGI	FTM CORDUROY HOLDINGS, LLC	BI	GUARANTEED B&I 3% FEE LOAN	04/22/19	7,500,000	0	0	B&I guaranteed loan funds are being used to expand the existing Corduroy Inn, an existing 12 unit hotel at Snowshoe Mountain Ski Resort in Pocahontas County, in operation since 1973. The current borrower purchased the hotel in 2013 and after renovations to the hotel added 3 restaurants on site. Guaranteed funds are being used to construct a new 30 room, 48,000 square foot hotel adjacent to the existing hotel to provide ground floor covered parking, 30 additional hotel rooms and a large banquet hall for events and weddings. Guaranteed loan funds will also be used for loan and professional fees. SBA is also providing a 7a loan for construction, working capital, loan fees and furniture, fixtures and equipment. A total of 20 new jobs will be created and a total of 15 jobs will be saved.
WEST VIRGI	HARPERS FERRY CHIROPRACTIC AND NUTRITION	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/26/19	0	7,914	0	This Rural Development investment will be used for the purchase and installation of a 10.23 kW solar array on the Harpers Ferry Chiropractic and Nutrition facility. This project will replace 13,7882kWh (102%) per year and realize $1,596 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGI	HETZER REALTY, LLC	REAP	REAP-MAND ENERGY EFF IMPROV LOANS GUAR	07/09/19	72,000	0	0	This Rural Development investment will be used for the purchase and installation of a 75 kW solar array. Hetzer Properties manages a family owned brewery and two restaurants, and this project will realize $6,459 per year in savings, and will replace 90,000 kWh (29%) per year. This project will save enough electricity to power 8 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGI	INNOVATION PROPERTIES, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/22/19	0	57,847	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting and upgrades to HVAC motors on a commercial real estate facility. Innovation Properties is an existing business that owns and operates commercial office facilities. This project will realize $32,657 per year in savings, and will replace 378,331 kWh (15%) per year, which is enough electricity to power 31 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGI	INTER-STATE HARDWOODS COMPANY, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/22/19	0	31,325	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a wood-fired boiler. Inter-state Hardwood Co., Inc. processes cut lumber at its facility in Bartow, West Virginia. The feedstock for the boiler will be sawdust. This project will realize $7,000 per year in savings, and will replace 832,000 Kwh (2%) per year, which is enough electricity to power 69 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGI	J. Q. DICKINSON SALT-WORKS	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/13/19	0	19,936	0	This Rural Development investment will be used for the purchase and installation of a 27 kW solar array on the J.Q. Dickinson office building. This project will replace 34,270 kWh (81%) per year and realize $3,99 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGI	KANAWHA COUNTY COMMISSION	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	50,000	0	Rural Development investment funds will be used to support the development of new businesses and expand and strengthen existing businesses with a business coach, technical and program consulting in Kanawha County. There is borrower contribution to the project of $10,800.

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WEST VIRGIN	LEVEL 1 FASTENERS	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/24/19	0	8,592	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of a medium-sized parts washer at a bolt manufacturer. Level-1 Fasteners is a family owned manufacturing that engineers specialized bolts at its facility in Huntington, WV. This project will realize $1,358 per year in savings, and will replace 20,695 kWh (54%) per year, which is enough energy to power 2 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	LOCAL LUMBER AND SUPPLY, LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	09/26/19	600,000	0	0	This RD investment will be used for the start-up of a lumber supply company known as Local Lumber & Supply, LLC located at RR 1 206A Highway 14 in Williamson, WV, formerly known as the 84 lumber store in rural Mingo County. B&I guaranteed loan funds are being used for equipment, office furniture, working capital and real estate improvements to the existing building, including flooring, painting, HVAC repair, insulation and the installation of new counter tops. This project will create 8 new jobs.
WEST VIRGIN	MARASA, LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	04/01/19	0	2,398	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout a commercial building. Marasa LLC is an existing business that leases commercial space to a health care-related entity. This project will realize $4,184 per year in savings, and will replace 35,951 kWh (63%) per year, which is enough electricity to power 3 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	MCCOLLEY, CONNIE	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/21/19	0	9,082	0	This Rural Development investment will be used for the purchase and installation of a 7.2 kW solar array on Mrs. Connie McColley's craft shop. This project will replace 8,666kWh (97%) per year and realize $867 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations.
WEST VIRGIN	MCGOWEN, JAMES	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/21/19	0	10,665	0	This Rural Development investment will be used for the purchase and installation of a 10.8 kW solar array on the Horse Carriage facility. This project will replace 13,923kWh (101%) per year and realize $1,504 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	MISTY MOUNTAIN FARM LLC	BI	GUARANTEED B&I 3% FEE LOAN	10/29/18	460,000	0	0	This project involves the construction of a new barn with a commercial kitchen and banquet hall inside to be used as a wedding and event venue at Misty Mountain Farm located in Fisher, WV in Hardy County. The sole purpose of the facility will be to rent space to individuals and groups for weddings, birthdays, showers, and other events for the area. The closest incorporated town to Misty Mountain Farm is Moorefield, WV. This is a new start up business that will create 1 job, a cleaning assistant/maintenance employee to clean the facility before and after the rentals. The wage of this employee will be $12 per hour. The use of funds includes the barn and loan fees. The total loan with Pendleton Community Bank is $460,000 with a 5.99% interest rate. There is an interest only period for one year and thereafter, the term is 20 years. The guarantee is 80%.
WEST VIRGIN	MUD RIVER POTTERY	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/29/19	0	3,550	0	This Rural Development investment will be used for the purchase and installation of a 1.3 kW solar array. Bottoms Up, a family owned pottery business, will realize $170 per year in savings, and will replace 1,425kWh (12%) per year. This project will save enough electricity to power less than one home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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WEST VIRGIN	NACELLE EQUIPMENT FUNDING 2019, LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	09/11/19	4,800,000	0	0	This Rural Development investment will be used for machinery and equipment, working capital, debt service reserve, debt restructuring to buyout existing equipment leases and for loan and professional fees for Nacelle Equipment Funding 2019, LLC. NEF 2019, LLC is a wholly owned subsidiary of Nacelle Logistics, LLC which is an energy services company which provides well kick off and mobile gas services for oil and gas companies. The project location is 603 E. Brockway Avenue, Morgantown, WV. Nacelle assists oil & gas companies using mobile gas conditioning technology to reduce the pressure of the gas to acceptable levels. This project will retain 20 jobs and create 5 new jobs.
WEST VIRGIN	NATURAL CAPITAL INVESTMENT FUND INC	IRP	INTERMEDIARY RELENDING PROGRAM	06/20/19	0	0	750,000	This Rural Development investment will be used to establish a revolving loan fund in West Virginia. Natural Capital Investment Fund is a non-profit lending institution in the Eastern Panhandle region of the state. The funds will be used to make micro-loans to small businesses in five counties; Fayette, Lincoln, Logan, Mingo, and McDowell. The Rural Microentrepreneur Assistance Program is used to support small business development in rural areas of the country.
WEST VIRGIN	NEW APPALACHIAN FARM & RESEARCH CENTER	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	49,000	0	RD investment funds will be used for marketing plan, vehicle and equipment to expand their distribution, delivery and sales of locally grown food partnering with Heart & Hand, Fish Hawk Acres and Preston County Workshop. The project will serve Barbour, Preston and Upshur Counties.
WEST VIRGIN	NEW RIVER GORGE REGIONAL DEVELOPMENT AUT	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	50,000	0	RD investment funds will be used to purchase equipment and make facility improvements to the West Virginia Hive in Beckley, WV, a network business hub and incubator, as well as pay for training workshops and tech assistance to small businesses. This project will serve Braxton, Fayette, Greenbrier, McDowell, Mercer, Monroe, Nicholas, Pocahontas, Raleigh, Summers, Webster and Wyoming Counties.
WEST VIRGIN	OM SHIV HOSPITALITY INC	BI	GUARANTEED B&I 3% FEE LOAN	09/26/19	3,300,000	0	0	The RD investment will be used for the purchase of the La Quinta hotel located at 106 Merchants Walk Shopping Center in Summersville, WV near Route 19. The hotel was built in 1999 and has been in operation over 20 years. After the purchase, the borrower will continue to operate the hotel with the La Quinta brand. B&I funds are being used for the acquisition purchase price of the hotel, along with loan, professional and franchise fees. This project will save 15 existing jobs and create 2 new jobs.
WEST VIRGIN	PETERSTOWN PRESERVATION GROUP, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	16,000	0	RD Investment funds will be used to expand the Market Street & Company which serves as a visitor's center, gallery and farmers market. The project includes renovations, the purchase of equipment, fixtures, marketing costs and training workshops.
WEST VIRGIN	R&M ESTATES	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	19,628	0	This Rural Development investment will be used for the purchase and installation of a 37 kW solar array on the small indoor gun range. This project will replace 39,824 kWh (61%) per year and realize $4,000 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	RAILROAD INVESTMENT CORPORATE HOLDINGS	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	02/14/19	900,000	0	0	Rural Development B&I guaranteed loan funds will be used to acquire a business known as the Potomac Eagle Scenic Train located at 149 Eagle Road in Romney, WV which has been in operation over 28 years. The acquisition includes all equipment and trains. With the change in ownership, the train will be more heavily marketed to tourism groups to increase ridership and bring more visitors to Potomac Highlands. The new owners will be retaining an existing 12 employees and hiring 8 new employees. The terms of the $900,000 guaranteed loan are 6.75% variable interest rate with a 15 year term.
WEST VIRGIN	RAINBOW HEAD FARMS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	14,971	0	This Rural Development investment will be used for the purchase and installation of a 26 kW solar array on a aquaculture farm, Rainbowhead Farms. This project will replace 32,000 kWh (100%) per year and realize $4,000 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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WEST VIRGIN	RANDOLPH COUNTY HOUSING AUTHORITY	BI	GUARANTEED B&I 3% FEE LOAN	02/06/19	420,000	0	0	Randolph County Housing Authority will utilize B&I guaranteed loan funds for the purpose of refinancing 1 existing loan with Davis Trust, as well as making improvements to the building including insulation and re-paving of the parking lot and payment of loan fees for the Delmonte building at 316 Railroad Avenue in Elkins, WV, which houses 2 tenants, Delmonte Market aka Tammy's Flowers which serves as a market for WV local products, flower and coffee shop and Woodlands Lenders, a small business micro lender. This project will create 3 jobs and save 9 jobs. The loan amount is $420,000 and has an interest rate of 4.5% fixed for 10 years and then will reset annually based on prime + 1. The total loan term is 25 years. USDA is providing a 50% guarantee. The lender is Citizens Bank located in Elkins, WV.
WEST VIRGIN	REGION 4 PLANNING & DEVELOPMENT COUNCIL	RBEG	RBCS ENTERPRISE GRANTS	07/29/19	0	50,000	0	Rural development investment funds will be used for implementation of an ATV Trail System as an extension of and modeled after existing trail system, The service area is Braxton, Clay, Fayette, Nicholas and Webster Counties. Other funding sources are Hatfield McCoy Trail System for $10,000, New River Gorge Regional Development Authority $2,500 and Webster County Economic Development Authority for $2,500.
WEST VIRGIN	ROBINSON, CASEY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/29/19	0	7,040	0	This Rural Development investment will be used for the purchase and installation of a 10.24 kW solar array on the Mr. Casey Robinson's commercial recreational lodge. This project will replace 12,052kWh (63%) per year and realize $1,126 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	SANTACROCE, JEFFREY	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/22/19	0	11,748	0	This Rural Development investment will be used for the purchase and installation of a 18 kW solar array on the family farm of Robert Aberegg. This project will generate 22,902 kWh (100%) per year and realize $3,624 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	SEMPER LIBERI, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	50,000	0	RD Investment Funds will be used to provide a Rural Business Development Grant for an addiction recovery nonprofit in Berkeley County in hiring a workforce development specialist. The specialist will assist those recovering from addiction with finding employment through networking with local businesses, job training, resume building and related activities. A total of 12 jobs is estimated to be created from this project and it will serve Berkeley, Jefferson and Morgan counties.
WEST VIRGIN	SHENANDOAH PLANING MILL, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/25/19	0	18,441	0	This Rural Development investment will be used generate renewable energy with the purchase and installation of a wood-fired fuel boiler for a wood-drying kiln. Shenandoah Planning Mille produces a variety of niche wood and building products. The feedstock for the boiler will be wood chips. This project will realize $42,000 per year in savings, and will generate 892,694 kWh (100%) per year, which is enough electricity to power 81 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	SLN HOSPITALITY LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/01/19	5,779,500	0	0	This Rural Development investment will be used to acquire an existing 72 room, 2-story hotel known as the Holiday Inn Express, located at 110 Memorial Drive in Ripley, WV. This hotel has been in operation since 2009 when it was constructed by the current owner. Guaranteed funds are being used for the acquisition of the real estate. Borrower funds are being used to purchase new furniture, fixtures and equipment, as well as pay professional, franchise and loan fees.
WEST VIRGIN	SOLAR ENERGY SOLUTIONS II, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/28/19	0	16,474	0	This Rural Development investment will be used for the purchase and installation of a 72 kW solar array on a car-port structure at West Virginia Weslyan University. This project will replace 67,785kWh (17%) per year and realize $8,134 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
WEST VIRGIN	SOLAR ENERGY SOLUTIONS, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/08/19	0	48,988	0	This Rural Development investment will be used for the purchase and installation of a 72 kW solar array on facilities at West Virginia Weslyan University. This project will replace 67,785 kWh (45%) per year and realize $8,428 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	SPROUTING FARMS CORP	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	49,966	0	Rural Development funds will be used to improve the Greenville Farm Kitchen capabilities increasing the Farm to School production program and retail markets through additional value added product lines in Monroe County. There is a borrower contribution of $24,008
WEST VIRGIN	SUAN, WILLIAM R	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	03/18/19	0	7,428	0	This Rural Development investment will be used for the purchase and installation of a 14.4 kW solar array on the Mr. Bill Suan's cattle and hay barn. This project will replace 17,751kWh (101%) per year and realize $2,236 of saving per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	SWILLED DOG HARD CIDER COMPANY	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	02/21/19	265,000	0	0	Rural Development B&I Guaranteed Loan funds will be used to provide an 80% guarantee for a $265,000 loan for the purchase of equipment, furnishings, leasehold improvements and a refinance for a Hard Cider Company formed in 2016 and located in Pendleton County. These loan funds will allow the borrower to expand its operations from its small location in Franklin, WV to a larger 20,000 sq foot building within the same county (Pendleton) at the industrial park in Upper Tract, WV. Terms of the loan are as follows: $265,000 with 7 year term @ 6.75% fixed interest rate. There will be 6 new jobs created and 1 job retained. The borrower provided $5,000 of its own borrower funds for loan fees.
WEST VIRGIN	T L FRUITS AND VEGATABLES, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	3,875	0	This Rural Development investment will be used for the purchase and installation of a geothermal system to heat vegetable high tunnels on the T L Fruits and Vegetables small farm. This project will generate 272,160,000 Btus(100%) of the heating for at least one high tunnel. The system can expand to additional high tunnels in the future. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	TECNOCAP, LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/01/19	0	298,095	0	This Rural Development investment will be used for the purchase and installation of a 599 kW solar array. Tecnocap, a bottle cap manufacturer, will realize $79,300 per year in savings, and will replace 769,900 kWh (27%) per year. This project will save enough electricity to power 64 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	THREE SONS, LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/08/19	0	49,768	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation new windows, lighting, and HVAC units. Three Brothers, LLC maintains a commercial building facility in downtown Wheeling, WV. This project will realize $7,908 per year in savings, and will replace 147,000 Kwh(17%) per year, which is enough electricity to power 12 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WEST VIRGIN	TRI-STATE LOCAL FOODS, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	29,739	0	RD Investment Funds will be used to pay for equipment and renovations to the Wild Ramp, a farmer's market in Huntington, WV. This project will assist small businesses and agricultural producers in Cabell, Gilmer, Jackson, Jefferson, Kanawha, Lewis, Lincoln, Mason, Monroe, Morgan, Nicholas, Pleasants, Putnam, Randolph, Roane, Tyler and Wayne Counties.
WEST VIRGIN	UNLIMITED FUTURE INC	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	50,000	0	Rural Development investment funds will be used to increase the capacity to deliver technical assistance to startup businesses and individuals in remote areas with a distance learning and video conferencing center established. The servicing area is Cabell, Wayne, Mingo, Wyoming, Lincoln, McDowell, Boone, Raleigh, Logan, Fayette, Mason, Putnam, Kanawha, Summers, Monroe, Mercer Counties. The borrower contribution is $7,500.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
WEST VIRGI	WOODLANDS COMMUNITY LENDERS, INC.	RMAP	MAND RURAL MICROENTERPRISE DVLP ORG LOANS	07/23/19	0	0	500,000	This Rural Development investment will be used to establish a revolving loan fund in West Virginia. Woodlands Community Lenders, Inc. is a non-profit lending institution in the Potomac Highlands region of the state. The funds will be used to make micro-loans to small businesses in three counties; Barbour, Randolph, and Tucker. The Rural Microentrepreneur Assistance Program is used to support small business development in rural areas of the country.
WEST VIRGI	WOODLANDS COMMUNITY LENDERS, INC.	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/26/19	0	59,559	0	Rural Development Loan and grant funds will be used to capitalize a Rural Microloan Revolving Fund to make microloans and provide technical assistance to rural microentrepreneurs and microenterprisesh in Randolph, Barbour and Tucker counties of West Virginia
WEST VIRGI	WYOMING COUNTY ECONOMIC DEV. AUTHORITY	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	50,000	0	RD Investment Funds will be used for a revolving loan fund to provide small businesses with loans. The service area for the RLF fund includes Boone, Wyoming, McDowell, Mercer, Mingo, Lincoln and Logan Counties.
WESTERN PA	FUJITA PROPERTY GUAM, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/08/19	0	23,040	0	This Rural Development investment will be used to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy efficiency improvements to their operations. Fujita Guam Property, Inc. is a small rural business located in Tamuning, Guam. Project funds will be used for the purchase and installation of a 38.4kW solar photovoltaic. This project will generate 56,523 KwH and realize $15,261 per year in savings.
WESTERN PA	GUAM HOTEL AND RESTAURANT ASSN.	RBEG	RBCS ENTERPRISE GRANTS	07/30/19	0	14,000	0	0
WESTERN PA	JOHNDEL INTERNATIONAL, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	05/22/19	0	31,039	0	Funding from this REAP Grant will used to purchase and install a 60KW PV solar system atop the grantee warehouse located in the Tamuning.
WESTERN PA	THE LATTE TRAINING ACADEMY, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/22/19	0	50,000	0	0
WISCONSIN	ACJ INTERNATIONAL LLC	BI	GUARANTEED B&I 3% FEE LOAN	08/29/19	1,075,000	0	0	0
WISCONSIN	ADVOCAP, INC.	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/25/19	0	26,670	0	Rural Development Loan funds will be used to capitalize a Rural Microloan Revolving Fund to make microloans to rural microentrepreneurs and microenterprises. Rural Development grant funds will be used to provide technical assistance and training to rural microentrepreneurs and microenterprises. The applicant has been providing business assistance to small, rural businesses for over 25 years. Their mission is to create opportunities for people and communities to reduce poverty and increase self-sufficiency. They focus on helping low-income entrepreneurs with start-up business assistance, as well as ongoing assistance.
WISCONSIN	ARCH PROPERTY OF WISCONSIN, LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/23/19	0	14,241	0	This Rural Development investment will be used for the purchase and installation of a 47.7kW solar array. Arch Property of Wisconsin, LLC, a family owned rental business, will realize $7,415 per year in savings and replace 66,413 kWh (93%) per year, which is enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	BARRON ELECTRIC COOPERATIVE	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/30/19	0	19,966	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of 402 dusk to dawn LED lighting throughout the electric cooperatives service territory. This project will realize $13,299 per year in savings, and will replace 177474 kWh (72%) per year, which is enough electricity to power 16 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	BEAR COUNTRY, INC.	BI	GUARANTEED B&I 3% FEE LOAN	11/13/18	10,000,000	0	0	Borrower owns and operates a Yogi Bear's Jellystone Park Camp Resort in Caledonia, Wisconsin. B&I guaranteed loan proceeds will be used to finance the acquisition of 149 additional acres and the addition of 150 new sites and cabins.
WISCONSIN	BERLIN COM DEV AUTH	RBEG	RBCS ENTERPRISE GRANTS	07/17/19	0	87,040	0	This Rural Development investment of $87,040 will be used to provide technical assistance to small, rural businesses in the City of Berlin, Green Lake County. The project will initially assist 2 businesses and help save/create 7 jobs.

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WISCONSIN	BODART FARMS LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/22/19	0	58,474	0	This Rural Development loan guarantee investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Bodart Farms LLC is a family owned farming corporation that raises row crops at its farm in Pulaski, WI This project will realize $11,882 per year in savings, and will replace 608,078 kWh (34%) per year, which is enough energy to power 56 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	CAP SERVICES, INC.	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	56,211	0	Rural Development Loan funds will be used to capitalize a Rural Microloan Revolving Fund to make microloans to rural microentrepreneurs and microenterprises. Rural Development grant funds will be used to provide technical assistance and training to rural microentrepreneurs and microenterprises. The applicant is a private non-profit corporation whose mission is to mobilize resources needed to bring about a permanent increase in the ability of low-income people to become economically and emotionally self-sufficient.
WISCONSIN	CENTRAL WISCONSIN ELECTRIC COOP	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	09/17/19	0	13,417	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lights to replace existing dusk-to-dawn lights. Central Wisconsin Electric Cooperative provides electrical service in rural Wisconsin. This project will realize $3,134 per year in savings, and will replace 40,705 kWh (45%) per year, which is enough electricity to power 3 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	CLARK ELECTRIC COOP	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	19,981	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of 506 dusk to dawn LED lighting throughout the electric cooperatives service territory. This project will realize $11,863 per year in savings, and will replace 159,251 kWh (72%) per year, which is enough electricity to power 14 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	CLARK, DARREL R	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/28/19	0	10,514	0	This Rural Development loan guarantee investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Darrel Clark is a family owned farm that raises grain at its facility in Viola, WI . This project will realize $5,302 per year in savings, and will replace 102,556kWh (36%) per year, which is enough energy to power 9 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	CLOVER BELT LUMBER & FEED COMPANY, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/21/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 28.8 kW solar array at Clover Belt Lumber & Feed Co., Inc. This project will replace 59,370 kWh (80%) per year and realize $10,687 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	COOPERATIVE DEVELOPMENT SERVICES, INC.	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/10/19	0	200,000	0	This Rural Development investment will finance technical assistance to assist co-op development across rural areas of Wisconsin and Minnesota. Services will target areas of value-added/sustainable agriculture and forestry and community development, which includes rural senior housing, rural food co-ops, etc. Matching funds in the amount of $86,000 are pledged for a total investment of $286,000. With this grant, 55 cooperatives, groups, and/or businesses will be assisted, and 2 jobs will be saved.
WISCONSIN	EAGLE DISPOSAL, INC	BI	GUARANTEED B&I 3% FEE LOAN	09/06/19	8,960,000	0	0	Eagle Disposal was established in 2001 and is a family owned (father and son) solid waste collection company located in Franksville, Wisconsin. Company serves customers in seven counties (Kenosha, Milwaukee, Ozaukee, Racine, Walworth, Washington, and Waukesha) in southeastern Wisconsin. Services include: roll off dumpster rentals, commercial trash disposal, and recycling. Sales mix is 40% roll off service and 60% commercial and recycling.

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WISCONSIN	EASTER SEALS WISCONSIN, INC.	RBOG	RBCS DEVELOPMENT GRANT	07/09/19	0	34,356	0	This Rural Development investment of $34,356 will provide technical assistance to rural residents with disabilities in a 16 county area. assistance would create employment opportunities for these individuals so they can create their own business or expand their current business through the Self Employment Services project. The project will assist 6 businesses and create and/or save 7 jobs.
WISCONSIN	GRANT COUNTY ECON DVLP CORP	RBEG	RBCS ENTERPRISE GRANTS	07/09/19	0	60,000	0	This Rural Development investment of $60,000 will allow the organization to establish a revolving loan fund to serve small, rural businesses in Grant County. The project will initially serve 4 businesses, creating 19 jobs.
WISCONSIN	IMPACT SEVEN INC	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	8,910	0	Rural Development Loan funds will be used to capitalize a Rural Microloan Revolving Fund to make microloans to rural microentrepreneurs and microenterprises. Rural Development grant funds will be used to provide technical assistance and training to rural microentrepreneurs and microenterprises. The applicant is a private non-profit corporation whose mission is to help businesses become economically stable.
WISCONSIN	JACKSON ELECTRIC COOPERATIVE	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	13,195	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lights to replace existing dusk-to-dawn lights. Jackson Electric Cooperative provides electrical service in rural Wisconsin. This project will realize $12,303 per year in savings, and will replace 164,174kWh (55%) per year, which is enough electricity to power 15 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	KEKOSKEE, VILLAGE OF	RBEG	RBCS ENTERPRISE GRANTS	07/09/19	0	99,000	0	The Rural Development investment will be used to establish a revolving loan fund for the Village of Kekoskee. Five businesses have already written to show their support for need of this economic development resources. The project will assist at least 5 businesses and save/create 51 jobs.
WISCONSIN	KUZBA DISTRIBUTING CO INC.	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/21/19	0	1,736	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lighting throughout the store. Kuzba Distributing Co, Inc. - River Crest Tire and auto is an existing business that sells tires. This project will realize $1,901 per year in savings, and will replace 14,628 kWh (67%) per year, which is enough electricity to power 1 home. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	LEVERICH FARMS LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/29/19	0	8,700	0	This Rural Development loan guarantee investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Leverich Farms is a family owned farming business that raises grain at its facility in Sparta, WI. This project will realize $3,150.36 per year in savings, and will replace 126,642 kWh (59%) per year, which is enough energy to power 11 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	LOTTER, LLC	BI	GUARANTEED B&I 3% FEE LOAN	05/28/19	1,640,000	0	0	Guaranteed loan proceeds will be used to refinance debt on four rural convenience stores and fueling stations. Refinance will make available additional SBA 7(a) guarantee authority for future strategic acquisitions.
WISCONSIN	M-LINE FARMS INC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/16/19	0	30,313	0	This Rural Development loan guarantee investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. M-Line Farms is a grain operation located in Alma, WI. This project will realize $16,216 per year in savings, and will replace 310,280 kWh (65%) per year, which is enough energy to power 28 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	M&E FARMS LLC	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/22/19	0	36,412	0	This Rural Development loan guarantee investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. M&E Farms LLC is a family owned farming corporation that raises cattle and crops on their property in Jim Falls, WI . This project will realize $12,744 per year in savings, and will replace 227432 kWh (35%) per year, which is enough energy to power 21 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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WISCONSIN	NIIJII CAPITAL PARTNERS, INC.	RBEG	RBCS ENTERPRISE NATIVE AMERICAN GRANT	07/23/19	0	77,272	0	This Rural Development investment will be used to provide technical assistance to Native American business owners of three Wisconsin Tribes: the Lac du Flambeau Band of Lake Superior Chippewa Indians, the Menominee Indian Tribe, and the Sokaogon Chippewa Community. The project will assist 5 businesses and create or save 30 jobs.
WISCONSIN	OCONTO COUNTY ECONOMIC DEVELOPMENT CORP.	RBEG	RBCS ENTERPRISE GRANTS	07/18/19	0	38,000	0	This Rural Development investment of $38,000 will provide technical assistance to small and emerging businesses in Oconto County. The project will initially assist 4 small businesses, saving 4 jobs, and the applicant will provide a $12,000 cash match.
WISCONSIN	OCTOPI BREWING LLC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/16/19	0	94,230	0	This Rural Development investment will be used for the purchase and installation of a 239 kW solar array. Octopi Brewery, LLC will realize $20,180 per year in savings, and will replace 288,288kWh (43%) per year. This project will save enough electricity to power 26 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	OLD STONE PET LODGE, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/15/19	0	15,679	0	This Rural Development investment will be used for the purchase and installation of a 34 kW solar array for a dog kennel in central Wisconsin. This project will replace 39,660 kWh (81%) per year and realize $5,156 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	PLATTEVILLE BUS. INCUBATOR, INC.	RBEG	RBCS ENTERPRISE GRANTS	07/10/19	0	50,000	0	This Rural Development investment will be used to capitalize a revolving loan fund which will be used to assist small businesses located in the Platteville Business Incubator. Six businesses will be assisted with this project, supporting 15 jobs.
WISCONSIN	POLK BURNETT ELECTRIC COOPERATIVE	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	05/21/19	0	19,988	0	This Rural Development investment will be used to make energy efficiency improvements with the purchase and installation of LED lights to replace existing dusk-to-dawn lights. Polk-Burnett Electric Cooperative provides electrical service in rural Wisconsin. This project will realize $21,503 per year in savings, and will replace 283,164 kWh (76%) per year, which is enough electricity to power 26 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	PRAIRIE ROCK FARMS INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/30/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 50 kW solar array. Prairie Rock Farms, Inc., a dairy farm, will realize $8,186 per year in savings, and will replace 71,678 kWh (80 %) per year. This project will save enough electricity to power 6 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	RED CLIFF BAND/LAKESUPERIOR CHIPPEWA	RBOG	RBCS OPPORTUNITY NATIVE AMERICAN GRANTS	07/22/19	0	28,292	0	This Rural Development investment will be used to prepare a business plan for a fish processing plant on the Red Cliff Indian reservation. The plant would provide a much needed economic driver for the reservation and for Bayfield County. This project also will assist in meeting the Secretaries infrastructure initiative.
WISCONSIN	RUSH CREEK GROWERS, INC.	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	05/20/19	0	20,000	0	This Rural Development investment will be used for the purchase and installation of a 36 kW solar array for a small greenhouse business. This project will replace 50,178 kWh (97%) per year and realize $5,520 of savings per year. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	SCHRANKEL, TODD C	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	07/18/19	0	70,000	0	This Rural Development loan guarantee investment will be used to make energy efficiency improvements with the purchase and installation of a grain dryer. Todd Schrankel is a sole proprietor who operates a grain far in northwestern WI. This project will realize $37,278 per year in savings, and will replace 765,954 kWh (65%) per year, which is enough energy to power 70 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.

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WISCONSIN	SHEBOYGAN FALLS, CITY OF	REDLG	RURAL ECONOMIC DEVELOPMENT LOANS (ELECTRIC)	07/10/19	0	0	1,000,000	This Rural Development investment will finance the renovation of the dining room, kitchen pantry, and activity room at an assisted living facility in Sheboygan Falls, Wisconsin. The renovation will also create 29 additional memory care units. The project will save 380 jobs and create an additional five jobs. Leverage funds of $998,825 will be provided by the owner.
WISCONSIN	SHEBOYGAN FALLS, CITY OF	REDLG	RURAL ECONOMIC DEVELOPMENT GRANTS (ELECTRIC)	07/10/19	0	300,000	0	This Rural Development investment will finance the renovation of the dining room, kitchen pantry, and activity room at an assisted living facility in Sheboygan Falls, Wisconsin. The renovation will also create 29 additional memory care units. The project will save 380 jobs and create an additional five jobs. Leverage funds of $998,825 will be provided by the owner.
WISCONSIN	SPECIALTY CHEESE COMPANY, INC	BI	GUARANTEED B&I 3% FEE LOAN	03/04/19	4,740,000	0	0	Company was established in 1991 as a manufacturer of private label ethnic cheeses with a focus on Indian, Middle Eastern and fresh Hispanic cheeses. Guaranteed loan proceeds will be used to refinance debt and loan fees.
WISCONSIN	STORAGE RINK LLC, THE	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/11/19	0	186,000	0	This Rural Development investment will be used for the purchase and installation of a 413 kW solar array. The Storage Rink LLC will realize $33,249 per year in savings, and will replace 464,374kWh (59%) per year. This project will save enough electricity to power 42 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	THE METAL WARE CORPORATION	BI	GUARANTEED B&I 3% FEE LOAN	09/27/19	5,000,000	0	0	Company was established in 1920 and is a manufacturer of electric cooking appliances, cookware and food processing equipment. The Company is well known for its branded NESCO roaster oven and food dehydrators. Guaranteed loan proceeds will be used to refinance debt and permanent working capital.
WISCONSIN	UW MADISON BOARD OF REGENTS	RCDG	RURAL COOPERATIVE DEVELOPMENT GRANTS	09/16/19	0	199,799	0	This Rural Development investment will provide technical assistance to coops in rural areas of Wisconsin and Minnesota. The primary objective is to improve economic conditions of rural areas through coop development in the following areas: providing training and resources to develop new coops; foster an environment to development ventures in food systems, housing, childcare, and healthcare; increase use of coop development as a tool in succession planning; and improve performance of established coops through training and education on coop governance, finance and management. Funding will serve 170 groups, 202 businesses, and 90 coops with 55 jobs created & 27 jobs saved. Cash matching of $68,523 brings the total project to $268,322.
WISCONSIN	UW MADISON BOARD OF REGENTS	RBEG	RBCS ENTERPRISE GRANTS	07/22/19	0	93,563	0	This Rural Development investment of $93,563 will provide technical assistance to small and emerging businesses in Forest County, as well as in the City of Whitewater. The project will assist at least 5 businesses and save/create 7 jobs.
WISCONSIN	VERNON ECONOMIC DEV. ASSOC. INC.	RBEG	RBCS ENTERPRISE GRANTS	07/09/19	0	42,000	0	This Rural Development investment will be used to provide technical assistance to small businesses located in the Food Enterprise Center, a shared value-added processing facility in Viroqua, WI. Five businesses will be assisted with this project, supporting 25 jobs.
WISCONSIN	VIKING PACKAGING TECHNOLOGIES, INC.	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	07/23/19	0	104,571	0	This Rural Development investment will be used for the purchase and installation of a 239 kW solar array. Viking Packaging Technologies, Inc. will realize $24,536 per year in savings, and will replace 312,884 kWh (69%) per year. This project will save enough electricity to power 28 homes. The purpose of this funding program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WISCONSIN	WI BUSINESS INNOVATION CORP	RBEG	RBCS ENTERPRISE GRANTS	07/23/19	0	55,000	0	This Rural Development investment will be used to provide technical assistance to small and emerging businesses in NW Wisconsin. The project will assist 4 businesses and create or save 35 jobs.
WISCONSIN	WI COMMUNITY ACTIONPROGRAM ASSN., INC.	RBEG	RBCS ENTERPRISE GRANTS	07/25/19	0	87,041	0	This Rural Development investment will finance technical assistance for small and emerging businesses in rural areas across 39 counties in Wisconsin. The grantee will provide $30,582 in matching funds to assist 8 businesses, saving/creating 25 jobs.
WISCONSIN	WI WOMEN'S BUSINESS INITIATIVE CORP	RMAP	DISCRETION ASSIST MICROPENTERPRENUERS	09/24/19	0	82,875	0	Rural Development Loan funds will be used to capitalize a Rural Microloan Revolving Fund to make microloans to rural microentrepreneurs and microenterprises. Rural Development grant funds will be used to provide technical assistance and training to rural microentrepreneurs and microenterprises. The applicant is one of the state s largest microenterprise agencies and microlenders, with over 23 years experience in serving low-income individuals, women, and minorities throughout the entire state of Wisconsin.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
WISCONSIN	WORZALLA, INC	BI	GUARANTEED B&I 3% FEE LOAN	09/16/19	8,000,000	0	0	Guaranteed loan proceeds will be used to refinance debt and purchase machinery and equipment.
WYOMING	AKAL ENERGY LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/28/18	200,000	0	0	This Rural Development loan guarantee investment will be used towards the purchase of a gas station-convenience store at 4700 Bluebird Lane, Laramie, Albany County, Wyoming that has been in operation at this location since 1990. This family owned business offers a wealth of experience with these types of facilities as they proceed with modernizing it, as well as retaining 2 employees and hiring 2 more. This much needed project in this rural area will be financed by Jonah Bank of Wyoming. The Business and Industry Guaranteed Loan program bolsters the availability of private credit by guaranteeing loans for rural small businesses.
WYOMING	CES2 LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	06/05/19	328,000	0	0	This Rural Development investment will be used to purchase real estate for a physical therapy business in the town of Douglas, Converse County, Wyo., financed through First Northern Bank, through the USDA Business and Industry loan guarantee program. Hand Therapy of Wyoming LLC and CES2 LLC can purchase the building that houses their Douglas, Wyo. physical therapy business, in addition to their main Gillette location. Since starting their business in May 2017, they have been very successful in the Gillette area; and in early 2019 they opened a physical therapy branch in Douglas. All partners agree that it now makes sense to establish a permanent facility, where citizens in the Douglas area can be assured specialized physical therapy services will be provided for many years to come, especially when many are employed in production agriculture, renewable wind energy development, construction, and the oil and gas industry. This project meets the President's implementation for the Task Force on Agriculture and Rural Prosperity, as it helps advance the quality of life through access to medical services. USDA programs such as this bolsters the availability of private credit by guaranteeing loans for rural businesses.
WYOMING	E&K SMITH INVESTMENTS LLC	BI	GUARANTEED B&I 3% FEE LOAN	11/13/18	803,000	0	0	This Rural Development loan guarantee investment will be used towards construction-expansion costs, purchasing new ovens, and refinancing for the Alibi Pub and Pizzaria in Laramie, Albany County, Wyoming. This family owned business-borrower decided to eliminate the package liquor store operations and instead focus on serving pizza, sandwiches, pastries and craft beers. They have added outdoor mobile wood fired ovens, an open kitchen and a bakery. They have also added an outdoor stage and fire pit and host many outdoor concerts each summer at this well-known location, operating since 1953. With this financing through Jonah Bank of Wyoming, they will also use the new mobile ovens for catering and farmers markets. It is expected that 23 new jobs will be created, and 17 jobs will be saved. This USDA program bolsters the availability of private credit by guaranteeing loans for rural small businesses.
WYOMING	GM STEWART CORP OF WYOMING	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	02/26/19	0	16,412	0	This Rural Development investment will be used for a renewable energy project at G.M. Stewart Corporation's main offices in Evanston, Uinta County, Wyoming. A complete install of a 24.8 KW DC grid-tied solar electric power system will be roof-mounted. Essential energy savings are valued at almost $4,000 per year, generating approximately 35,320 kWh annually, equivalent to powering about 3 homes each year. G.M. Stewart is a full service construction contractor a family-owned business since 1982. Rural Development meets 25 percent of the costs for eligible grant projects. The purpose of this USDA funding is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WYOMING	GOSHEN CO ECONOMIC DEVELOPMENT CORP	RBEG	RBCS ENTERPRISE GRANTS	05/07/19	0	69,887	0	This Rural Development investment will be used for technical assistance and specialized training for small businesses through the Goshen County Economic Development Center based in Torrington, Goshen County, Wyo. through the Rural Business Development Grant Program. The center will be partnered with the Wyo. Business Council, Eastern Wyo. College, Wyo. Women's Business Center and the Wyo. Department of Workforce Services focused primarily on general business planning, financial, marketing and other operational guidance. Currently there is a greater need for workforce training due to displaced workers from Wyo. Ethanol and Wyoming Sugar companies in the Goshen County region. The purpose of this USDA program promotes the development or expansion of small and emerging private businesses in rural areas.

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
WYOMING	H&R ASSET MANAGERS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/09/19	0	19,955	0	This Rural Development investment will be used for two renewable energy projects within the offices for H & R Asset Managers LLC in Riverton, Fremont County, Wyo. Complete installs of a 10.24 KWH and a 24.96 KWH DC grid-tied, roof-mounted solar electric power systems will generate approximately 50,059 kWh annually, equivalent to powering about four homes each year. H & R Asset Managers LLC is a lease management company in operation since 2009, and with these renewable energy improvements will reap substantial savings, lessening their carbon footprint. Rural Development meets 25 percent of the costs for eligible grant projects through the Renewable Energy for America Program. USDA funding opportunities such as this assist farmers, ranchers, and rural small businesses in developing renewable energy systems and energy-efficiency improvements to their operations.
WYOMING	HIGH COUNTRY LINEN SUPPLY	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	04/09/19	0	216,292	0	This Rural Development investment will be used towards 25 percent of the costs an energy efficient improvement project at High Country Linen, Jackson, Teton County, Wyo. This laundry business plans to upgrade washers, dryers and laundry equipment with automated efficient models. A state-of-the-art facility since 1931 also provides rental service for linens, uniforms and entry mats; wholesale janitorial supplies, paper products and earth-friendly cleaning supplies to Jackson Hole, Teton Valley and Idaho. Projected savings for this project would be approximately 181,000 kWh annually; which could supply electricity to about 16 mid-sized homes each year. Funding opportunities such as this are available through the USDA Rural Energy for America program.
WYOMING	JDS PUMPING UNIT SERVICE LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/09/19	0	8,208	0	This Rural Development investment will be used for a renewable energy project at JD's Pumping Unit Service LLC based at Worland, Washakie County, Wyo. A complete install of a 9.94 KW DC ground mounted, grid-tied solar photo-voltaic system, with savings valued at approximately $1,480 per year. Energy generated from this renewable energy, solar system is estimated to be 14,860 kWh annually. This small business is a commercial weed control company operating throughout northwestern Wyoming since 2003. Rural Development meets 25 percent of the costs for eligible projects. USDA funding opportunities such as this assist farmers, ranchers, and rural small businesses in developing renewable energy systems and energy-efficiency improvements to their operations.
WYOMING	LOWER VALLEY ENERGY INC	REAR	REAP ENERGY AUDIT RECIPIENT	03/21/19	0	100,000	0	This Rural Development investment will be used in conjunction with Lower Valley Energy's 2019 servicing plan towards hiring a third-party, technical contractor from EnSave, Inc. EnSave will conduct the energy audits to eligible rural business cooperative members throughout the service area. Lower Valley Energy will partner with Energy Conservation Works, offering audits to maximize the completion of conservation and energy efficiency projects. This USDA funding is available through the Rural Development Energy Audit and Renewable Energy Development Assistance Grant program.
WYOMING	LUSK HOSPITALITY LLC	BI	GUARANTEED B&I 3% FEE LOAN	05/08/19	719,600	0	0	This Rural Development loan guarantee investment will be used for purchase and transfer of ownership of The Covered Wagon Motel located in the rural town of Lusk, Niobrara County, Wyo. With this guaranteed financing for the new owners, Lusk Hospitality LLC, through Pinnacle Bank of Gillette Wyo., this iconic motel that has been in operation for over 52 years will be revived and save five jobs. Not only is this transaction a benefit to a small western town, its historic value and location central to the Black Hills and Wyoming is key to the local economy. This USDA program bolsters the availability of private credit by guaranteeing loans for rural small businesses, in partnership with lenders.
WYOMING	MIDWAY AUTO SALES INC	REAP	REAP-MANDATORY RENEW ENERGY SYST GRANTS	04/09/19	0	30,937	0	This Rural Development investment will be used for a renewable energy project at Midway Auto Sales in Lovell, Southern Big Horn County, Wyo. A complete install of a 41.25 KW DC grid-tied solar electric power system will be roof-mounted. Energy generated from this solar system is estimated to be 61,240 kWh annually; an approximate $3,800 value. This would equate to powering about five mid-sized homes each year. This family-owned business started in Cody, Wyo., and now has dealerships also in Lovell and Powell, Wyo. with very clean, pre-owned autos, boats, RVs, motorcycles, campers and ATVs. Rural Development meets 25 percent of the costs for eligible projects. USDA funding is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and energy-efficiency improvements to their operations.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
WYOMING	OLIVE-GLENN GOLF-COUNTRY CLUB INC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	02/26/19	0	2,569	0	This Rural Development investment will be used for energy efficiency improvements at the Olive-Glenn Golf and Country Club in Cody, Park County, Wyoming. Upgrades will include interior lighting replacements and parking lot lights. This will be a very helpful at this picturesque golf course, in operation since 1970, surrounded by beautiful mountains and wildlife. The project will lower their carbon footprint and bring new safety benefits to their patrons; saving about 31,709 kWh per year, comparable to powering about 3 homes annually. Rural Development meets 25 percent of the costs for eligible grant projects. The purpose of this USDA funding is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WYOMING	PC ENTERPRISES LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	02/20/19	1,000,000	0	0	This Rural Development loan guarantee investment will be used to provide additional financing for the purchase and construction of a new commercial feedmill (replacement), for PC Enterprises LLC also known as Miller Cattle and Feedyards of Torrington, Goshen County Wyoming. They expect to create two jobs and save nine. The bank partner in this financing opportunity is Platte Valley Bank, Torrington Wyoming. The Business and Industry Loan program through USDA bolsters the availability of private credit by guaranteeing loans for rural businesses and helps to foster the agricultural economy.
WYOMING	PC ENTERPRISES LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	09/26/19	850,000	0	0	This USDA Rural Development loan guarantee investment will be used to finance additional feedmill improvements at PC Enterprises LLC dba Miller Cattle Feedyards near Torrington in Goshen County, Wyo. Such improvements will include a concrete sileage pad, pole building, and additional RE improvements. This loan will allow the owners to make additional improvements to their existing feedmill which in turn will increase employment in the Torrington area, and further improve their ability to provide high quality feed to local farmers & ranchers.
WYOMING	PET PLACE PLUS LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	02/26/19	0	2,511.25	0	This Rural Development investment will be used for costs involved with replacing heating, insulation and weather proofing at Pet Place Plus in Jackson, Teton County, Wyoming; a pet supply store. This energy efficiency project has an estimated savings of $585 per year, replacing about 18,500 kWh annually; approximately enough electricity to power about 1.5 mid-sized homes each year. This family owned business can operate more efficiently with a smaller carbon footprint. Rural Development reimburses 25 percent of eligible grant costs. The purpose of this USDA program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems and in making energy-efficiency improvements to their operations.
WYOMING	PIPE ARC SOLUTIONS LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	09/05/19	250,000	0	0	This Rural Development loan guarantee investment will be used towards costs of opening the new Western Welding Academy in Gillette, Campbell County, Wyo. The owner/borrower, Pipe Arc Solutions LLC will acquire Big Blue welding machines and equipment through this loan guarantee. This technical welding school will offer American Welding Society certification in five unique courses for different types of welding and pipe-fitting. Students at the Academy will be receiving an advanced type of education with a higher quality skill-set than competitive schools. Upon completion of a course, students can pass welding tests that are given by employers to check welders competency, and their ability to weld pipe that will be used under high pressure situations. Quality employment will be obtained in oil refineries, gas plants, oilfield pipe line work, paper-mills and food processing plants, to name a few. The borrower has invested much research and experience into making this academy a reality. Beyond the monetary aspect of the school, the owner is passionate about teaching quality welders to enhance the welding industry. This endeavor creates a significant asset to the state-wide economy by developing and retaining certified welders for potential employers.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
WYOMING	PLATTE VALLEY FOODS LLC	EEI	MAND.ENERGY EFFIC IMPROV GRANTS UNDER $20,000	02/26/19	0	17,901.54	0	This Rural Development investment will be used towards the costs of replacing refrigeration units at Valley Foods aka Platte Valley Foods, Saratoga, Carbon County, Wyoming. This is a local, family-owned business - the only grocery in a 40 mile radius, nestled between the Rocky Mountain and Sierra Madre mountain ranges, the Medicine Bow Routt National Forest and the Red Desert. Valley Foods will be much more successful offering a full array of foods and beverages in this small community; as this project is expected to save 62,744 kWh of electricity annually, or about $3,800 per year. This is approximately enough energy for 5 mid-sized homes. Rural Development reimburses 25 percent of eligible grant costs. The purpose of this USDA program is to assist farmers, ranchers and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WYOMING	RIVER REST DUBOIS LLC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	04/09/19	0	20,000	0	This Rural Development investment will be used for a renewable energy project at River Rest Dubois LLC near the town of Dubois, Fremont County, Wyo. This quaint, yet beautiful vacation spot is located along the Wind River near this old western town with big views and close access to Yellowstone National Park, the Grand Tetons and the Whiskey Basin. Eligible costs include the purchase and installation of a 24.49 kW solar, grid-tied, roof-mounted solar system; and is expected to generate 34,090 kWh of electricity per year, valued at about $3,750 annually; a huge benefit to this small, family-owned business. Rural Development meets 25 percent of the costs for eligible grant projects through the Renewable Energy for America Program. USDA funding opportunities such as this assist farmers, ranchers, and rural small businesses in developing renewable energy systems and energy-efficiency improvements to their operations.
WYOMING	RSM INC	RES	MAND. RENEW ENERFY SYSTEMS GRANTS UNDER $20,000	02/26/19	0	7,200	0	This Rural Development investment will be used for a renewable energy project at RSM Inc. dba Great Foundations Preschool, is a daycare in Sheridan, Sheridan County, Wyoming. This small family-owned business will benefit by reducing energy costs. Eligible costs are associated with the purchase and installation of a 9.6 kW solar, grid tied, roof-mounted solar system. This project is expected to generate 13,190 kWh of electricity per year; valued at about $1300 annually. The purpose of this USDA program is to assist farmers, ranchers, and rural small businesses in developing renewable energy systems, and in making energy-efficiency improvements to their operations.
WYOMING	STEVEN TITUS & ASSOCIATES PC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	03/19/19	448,000	0	0	This Rural Development loan guarantee investment will allow the law firm of Steven Titus and Associates, PC in Gillette, Campbell County, Wyoming to purchase the building where they are located. They have been in business since 2016, and with this loan through First Northern Bank of Wyoming, this small business will be able to purchase the real estate, rather than just leasing it. USDA programs such as this, bolsters the availability of private credit by guaranteeing loans for rural small businesses.
WYOMING	TETON SNUBBING SERVICES LLC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	12/11/18	135,000	0	0	Rural Development guaranteed loan funds for Teton Snubbing Services LLC, an oilfield support company, will be financed through Jonah Bank of Wyoming. Teton Snubbing is based out of Farson, Wyoming, offering snubbing services across Wyoming and surrounding energy-producing states. They also provide oil well maintenance, including velocity string installation, coil tubing and damage repairs. This guaranteed transaction provides permanent working capital; a very important aspect of a small business in this rural area. The USDA Rural Development Business and Industry Guaranteed Loan Program bolsters the availability of private credit by providing loan guarantees to lenders for rural small business.
WYOMING	UNTURNED STONE LLC	BI	GUARANTEED B&I 3% FEE LOAN	07/23/19	1,515,000	0	0	This Rural Development loan guarantee investment will be used to assist a live theater in Jackson, Teton County, Wyo. This project will allow the borrowers, Unturned Stone LLC and Diamond G Theatrics LLC to refinance debt. This theater, commonly known as the Jackson Hole Playhouse, has been in operation for over 40 years. At least 41 theater attendants and actors will be able to remain actively employed, adding to the variety of economic activity in this small town. The community of Jackson, as well as tourists traveling in the Jackson Hole area, can continue to enjoy the entertaining shows and fine dining for many years to come, in the theater's original ambiance. This historic building carries nostalgia that dates back to 1915 when it was first built as a livery stable; and is famous for being the oldest building in Jackson.

RBCS FY2019 Obligations

State	Borrower or Grantee	Program	Program Description	Date Obligated	Guaranteed Loan Amount	Grant Amount	Direct Loan Amount	Project Description
WYOMING	WYOMING CUSTOM MEATS INC	BI	BUSINESS & INDUSTRY GUARANTEED LOAN - 1%	05/13/19	950,000	0	0	This Rural Development loan guarantee investment will be used towards expansion costs at Wyoming Custom Meats in Hudson, Fremont County, Wyo. This family-owned business opened in 2007; and they are expanding their facility due to increasing demand for locally produced high quality meat products. Wyoming Custom Meats currently processes and sells Wyo. raised livestock products to local residents and restaurants. This loan will allow them to market products across the US, internationally and offer online sales. In addition to traditional meat products, they produce and sell sausages, jerky, smoked and barbequed products and specialty products such as pig knuckles. They also sell honey and other locally produced value-added food products which benefits producers in the region. Completing this expansion will allow them to become a USDA certified facility, ensuring the quality slaughtering of beef, bison, yak, pork and lamb. Through this financing with First Interstate Bank in Riverton, Wyo. this project will create three jobs. Local ranchers will benefit by receiving a premium price for their beef processed at Custom Meats. USDA loan guarantee programs bolsters the availability of private credit for rural small businesses, and meet the President's implementation for the Task Force on Agriculture and Rural Prosperity.
WYOMING	WYOMING SUGAR COMPANY	REAP	REAP-MAND ENERGY EFF IMPROV GRANTS	04/09/19	0	91,771	0	is Rural Development investment will be used towards 25 percent of the costs an energy efficient improvement project at Wyoming Sugar Company, Washakie County, Wyo. Here they plan to replace and upgrade the control systems for two large steam boilers; and also fuel, air and water control systems. Projected savings would be approximately 6.5 million kWh annually, valued at $67,000 per year. Essentially this would be enough electricity to power approximately 600 homes on an annual basis. Wyoming Sugar has been operating in the Big Horn Basin for more than100 years, and this project will significantly decrease their carbon footprint. Funding opportunities such as this are made available through the USDA Rural Energy for America program.
WYOMING	WYOMING WOMENS BUSINESS CENTER INC	RBEG	RBCS ENTERPRISE GRANTS	05/06/19	0	66,113	0	This Rural Development investment is a funding opportunity through the USDA Rural Business Development Grant program, provided to Wyoming Women's Business Center. The center will hire a training coordinator to provide business and marketplace training for small businesses, hire an e-commerce web contractor and photographer, and include marketing in support of this endeavor. This technical assistance will help promote existing and emerging small businesses in the towns of Douglas, Laramie, Lusk, Rawlins, Riverton, Torrington and Wheatland, Wyo. The purpose of USDA programs such as this, promote the development or expansion of small and emerging private businesses in rural areas.

Single Family Housing Obligations

RHS Single Family Housing Programs	#Loans or Grants	$ Obligated
502 Direct Loans	6,185	$999,916,221
502 Guaranteed Loans	99,322	$14,865,886,386
504 Loans	2,735	$17,364,032
504 Grants	3,386	$20,854,625
Self Help Grants	41	$29,001,946
Site Development Loan	1	$1,897,646

SECTION 538 FY 2019 OBLIGATIONS

OBLIGATION DATE	STATE	PROJECT NAME	PROJECT ADDRESS	PROJECT CITY	CONSTRUCTION TYPE	TOTAL UNITS	RENTAL TYPE	OBLIGATION AMOUNT	BORROWER NAME	LENDER NAME	TOTAL COST	FISCAL YEAR
10/18/2018	WV	KEYSER GREENE APARTMENTS	PINE SWAMP ROAD	KEYSER	NEW CONSTRUCTION	38	SENIOR	1,150,000	KEYSER GREENE LIMITED PARTNERSHIP	WV HOUSING DEVEL FUND	7,044,561	2019
10/23/2018	CA	BROOKSIDE SENIOR APARTMENTS	738 MIKKELSEN DRIVE	AUBURN	REHAB/REPAIR	48	SENIOR	571,937	BROOKSIDE SENIOR 2018 LTD PARNERSHIP	BONNEVILLE MORTGAGE COMPANY	8,445,570	2019
10/29/2018	OK	SAVANNAHPARK OF HEALDTON	38 SAVANNAH DRIVE	HEALDTON	REHAB/REPAIR	24	SENIOR	425,000	RURAL HOUSING OF HEALDTON, LP	BONNEVILLE MORTGAGE COMPANY	2,791,979	2019
11/7/2018	OR	WOODVILLE VILLAGE	199 ROGUE LANE	ROGUE RIVER	REHAB/REPAIR	36	SENIOR	820,000	ROGUE RIVER AFFORDABLE HOUSING, LLC	BELLWETHER ENTERPRISE REAL ESTATE	5,955,120	2019
11/7/2018	OR	HILLSIDE VILLAGE APARTMENTS	156 E. MONTGOMERY AVENUE	GLENDALE	REHAB/REPAIR	24	FAMILY	417,500	ROGUE RIVER AFFORDABLE HOUSING, LLC	BELLWETHER ENTERPRISE REAL ESTATE	5,342,093	2019
11/7/2018	OR	VALERIE HILLS	701-785 N. RIVER ROAD	ROUGE RIVER	REHAB/REPAIR	42	FAMILY	1,436,000	ROGUE RIVER AFFORDABLE HOUSING, LLC	BELLWETHER ENTERPRISE REAL ESTATE	8,404,074	2019
11/14/2018	TX	ROUND ROCK OAK GROVE APARTMENT	900 WESTWOOD DRIVE	ROUND ROCK	REHAB/REPAIR	24	FAMILY	1,477,300	THF ROUND ROCK OAK GROVE, LLC	LANCASTER POLLARD MORTGAGE CO	3,234,153	2019
11/14/2018	TX	ALBANY VILLAGE APARTMENTS	325 STATE HIGHWAY 6 SOUTH	ALBANY	REHAB/REPAIR	40	FAMILY	1,238,800	THF ALBANY VILLAGE, LLC	LANCASTER POLLARD MORTGAGE CO	4,330,507	2019
11/14/2018	TX	CASTROVILLE VILLAGE APTS	1410 NAPLES STREET	CASTROVILLE	REHAB/REPAIR	40	FAMILY	1,630,800	THF CASTROVILLE VILLAGE, LLC	LANCASTER POLLARD MORTGAGE CO	4,323,582	2019
11/14/2018	TX	ELECTRA VILLAGE APARTMENTS	100 SOUTH PRAIRIE CIRCLE	ELECTRA	REHAB/REPAIR	48	FAMILY	1,144,800	THF ELECTRA VILLAGE, LLC	LANCASTER POLLARD MORTGAGE CO	4,899,046	2019
11/15/2018	TX	BURK VILLAGE APARTMENTS	716 PARK STREET	BURKBURNETT	REHAB/REPAIR	40	FAMILY	688,000	THF BURK VILLAGE, LLC	LANCASTER POLLARD MORTGAGE CO	3,588,533	2019
11/15/2018	TX	BASTROP OAK GROVE APTS	1910 WILSON STREET	BASTROP	REHAB/REPAIR	48	FAMILY	3,509,000	THF BASTROP OAK GROVE LLC	LANCASTER POLLARD MORTGAGE CO	5,183,292	2019
11/19/2018	TX	LANTANA APARTMENTS	2200 NORTH ADAMS STREET	BEEVILLE	REHAB/REPAIR	92	FAMILY	2,745,300	THF LANTANA APARTMENTS, LLC	LANCASTER POLLARD MORTGAGE CO	7,880,538	2019
11/19/2018	WV	GASTON AVENUE APARTMENTS	103 12TH STREET	FAIRMONT	REHAB/REPAIR	20	FAMILY	275,000	GASTON AVENUE APARTMENTS LP	WV HOUSING DEVEL FUND	3,641,372	2019
11/19/2018	TX	HONDO GARDENS	1110 BROADWAY STREET	MARBLE FALLS	REHAB/REPAIR	32	FAMILY	1,045,800	THF HONDO GARDENS LLC	LANCASTER POLLARD MORTGAGE CO	2,843,721	2019
11/19/2018	TX	TOM SAWYER PLACE APTS	411 TOM SAWYER STREET	EVANT	REHAB/REPAIR	18	FAMILY	719,500	THF EVANT TOM SAWYER LLC	LANCASTER POLLARD MORTGAGE CO	1,759,097	2019
11/19/2018	TX	PFLUGERVILLE MEADOW APTS	201 MEADOW LANE	PFLUGERVILLE	REHAB/REPAIR	20	FAMILY	1,212,600	THF PFLUGERVILLE MEADOWS LLC	LANCASTER POLLARD MORTGAGE CO	2,803,736	2019
11/19/2018	TX	MEADOWPARK APARTMENTS	401 N TEXAS 95	ELGIN	REHAB/REPAIR	28	FAMILY	1,691,100	THF ELGIN MEADOWPARK, LLC	LANCASTER POLLARD MORTGAGE CO	2,927,366	2019
11/19/2018	TX	LAMPASAS GARDENS APTS	1311 CENTRAL TEXAS EXPRESSWAY	LAMPASAS	REHAB/REPAIR	24	FAMILY	440,000	THF LAMPASAS GARDENS, LLC	LANCASTER POLLARD MORTGAGE CO	2,600,161	2019
12/11/2018	NC	RICHLAND APARTMENTS	521 N MAIN STREET 7-A	RICH SQUARE	REHAB/REPAIR	24	SENIOR	492,500	RICHLAND NC LIMITED PARTNERSHIP	ORIX REAL ESTATE CAPITAL, LLC	2,061,588	2019
12/11/2018	NC	CREST KNOLLS	2 CREST KNOLLS STREET SE	TAYLORSVILLE	REHAB/REPAIR	40	FAMILY	1,452,200	CREST KNOLLS NC LIMITED PARTNERSHIP	ORIX REAL ESTATE CAPITAL, LLC	3,297,906	2019
12/11/2018	NC	PINEWOOD PARK	US 401 SOUTH APT 415-C	LAURINBURG	REHAB/REPAIR	54	FAMILY	1,790,100	PINEWOOD PARK NC LIMITED PARTNERSHIP	ORIX REAL ESTATE CAPITAL, LLC	3,542,854	2019
12/11/2018	NC	THE WILLOWS APARTMENTS	104 COVENTRY DRIVE	OXFORD	REHAB/REPAIR	40	SENIOR	1,329,700	THE WILLOWS NC LIMITED PARTNERSHIP	ORIX REAL ESTATE CAPITAL, LLC	3,682,238	2019
12/11/2018	NC	COLONY WOODS	901 E. LITTLETON ROAD	ROANOKE RAPIDS	REHAB/REPAIR	34	SENIOR	859,900	COLONY WOODS NC LIMITED PARTNERSHIP	ORIX REAL ESTATE CAPITAL, LLC	3,123,275	2019
12/11/2018	NC	WARREN PLACE	US HWY 1 & 158	NORLINA	REHAB/REPAIR	20	SENIOR	600,000	WARREN PLACE NC LIMITED PARTNERSHIP	ORIX REAL ESTATE CAPITAL, LLC	2,137,609	2019
12/11/2018	TX	BAY CITY VILLAGE APARTMENTS	3301 ROYAL STREET	BAYTOWN	REHAB/REPAIR	62	FAMILY	2,946,700	THF BAYCITY VILLAGE, LLC	LANCASTER POLLARD MORTGAGE CO	4,687,982	2019
12/11/2018	NC	ROSEWOOD VILLAGE	201 NORTH ROSE STREET	NORLINA	REHAB/REPAIR	40	SENIOR	1,718,900	ROSEWOOD VILLAGE NC LIMITED PARTNERSHIP	ORIX REAL ESTATE CAPITAL, LLC	3,581,476	2019
12/12/2018	NC	BROOKWAY VILLAGE	326 N. AVIATION AVENUE	NASHVILLE	REHAB/REPAIR	36		852,400	BROOKWAY VILLAGE NC LIMITED PARTNERSHIP	ORIX REAL ESTATE CAPITAL, LLC	3,197,152	2019
12/12/2018	ND	WAHPETON KENNEDY PARK APARTMEN	1872 17TH AVE. N.	WAHPETON	NEW CONSTRUCTION	40	FAMILY	967,500	WAHPETON KENNEDY PARK APARTMENTS LLC	BELLWETHER ENTERPRISE REAL ESTATE	8,163,330	2019
12/12/2018	TX	BRIAN PLACE APARTMENTS	231 STAGE COACH DRIVE	HONDO	REHAB/REPAIR	40	FAMILY	2,144,400	THF HONDO BRIAN PLACE, LLC	LANCASTER POLLARD MORTGAGE CO	4,122,509	2019
12/12/2018	NC	PIREWAY PLACE	849 PIREWAY ROAD	TABOR CITY	REHAB/REPAIR	24	SENIOR	355,000	PIREWAY PLACE NC LIMITED PARTNERSHIP	ORIX REAL ESTATE CAPITAL, LLC	2,781,758	2019
12/17/2018	GA	LIVE OAK VILLAS	228 WISTERIA ROAD	MIDWAY	NEW CONSTRUCTION	60	FAMILY	1,200,000	BJS LIVE OAK VILLAS, LP	BONNEVILLE MORTGAGE COMPANY	10,394,156	2019
12/18/2018	TX	LEGACY TRAILS OF DECATUR	227 BUCHANAN ROAD	DECATUR	NEW CONSTRUCTION	70	SENIOR	4,900,000	SCS DECATUR 17, LP	BELLWETHER ENTERPRISE REAL ESTATE	10,891,069	2019
1/30/2019	TN	DOUGLAS GREENE	SNYDER ROAD	SEVIERVILLE	NEW CONSTRUCTION	80	FAMILY	2,900,000	DOUGLAS GREENE LIMITED PARTNERSHIP	BELLWETHER ENTERPRISE REAL ESTATE	13,999,986	2019
2/7/2019	TN	COUNTRY VILLAGE	342 RED OAK CIRCLE	JEFFERSON CITY	REHAB/REPAIR	140	FAMILY	5,000,000	SP TN COUNTRY VILLAGE, LLC	ORIX REAL ESTATE CAPITAL, LLC	16,989,545	2019
2/12/2019	CA	PORTOLA SENIOR APARTMENTS	700 THIRD AVENUE	PORTOLA	REHAB/REPAIR	50	SENIOR	500,000	PORTOLA SENIOR, LP	BONNEVILLE MORTGAGE COMPANY	9,121,447	2019
2/12/2019	CA	SIERRA VALLEY APARTMENTS	100 HILL STREET	LOYALTON	REHAB/REPAIR	50	SENIOR	500,000	LOYALTON SIERRA VALLEY, LP	BONNEVILLE MORTGAGE COMPANY	9,072,988	2019
2/15/2019	TX	ABBINGTON RANCH APTS	19 CASCADE CAVERNS ROAD	BOERNE	NEW CONSTRUCTION	48	FAMILY	4,600,000	BOERNE ABBINGTON RANCH	CHURCHILL MORTGAGE INVESTMENT LLC	9,439,174	2019
2/27/2019	NC	MCKINLEY PLACE - SUBSEQUENT	81 N JOHNSON STREET	COATS	NEW CONSTRUCTION	48	FAMILY	153,865	MCKINLEY PLACE LP	BONNEVILLE MORTGAGE COMPANY	6,163,669	2019
3/6/2019	NC	POND VIEW	304 E MAIN STREET	HILDEBRAN	NEW CONSTRUCTION	60	FAMILY	1,185,453	POND VIEW, LLC	MERCHANTS CAPITAL CORP.	7,932,934	2019
3/13/2019	NC	MERIDAN POINTE	6146 E. NC 150 HIGHWAY	DENVER	NEW CONSTRUCTION	72		2,173,477	MERIDIAN POINTE, LLC	MERCHANTS CAPITAL CORP.	10,142,401	2019
3/14/2019	TN	MOUNTAIN VIEW APARTMENTS	235 JOHN MCNEIL BOULEVARD	SNEEDVILLE	REHAB/REPAIR	45	SENIOR	545,000	HALLMARK MOUNTAIN VIEW LLC	CHURCHILL MORTGAGE INVESTMENT LLC	4,252,180	2019
3/19/2019	SC	MARSH POINTE	1600 BLOCK OF RIBAUT ROAD	PORT ROYAL	NEW CONSTRUCTION	48	FAMILY	500,000	BRADLEY PORT ROYAL, LLC	CHURCHILL MORTGAGE INVESTMENT LLC	8,691,498	2019
3/27/2019	ID	NORTH SPENCER SENIOR	TBD	POST FALLS	NEW CONSTRUCTION	72	SENIOR	1,790,253	NORTH SPENCER SENIORS LLC	BONNEVILLE MORTGAGE COMPANY	11,073,627	2019
3/27/2019	GA	AZALEA SENIOR VILLAGE	168 JEFFERSON AVENUE	HOSHTON	NEW CONSTRUCTION	65	SENIOR	605,300	AZALEA SENIOR VILLAGE, LP	ORIX REAL ESTATE CAPITAL, LLC	12,656,548	2019
4/1/2019	KS	PINECREST SENIOR VILLAGE	924 WALNUT STREET	EUDORA	REHAB/REPAIR	60	SENIOR	2,000,000	EUDORA SENIOR VILLAGE, LP	BONNEVILLE MORTGAGE COMPANY	8,128,901	2019
4/4/2019	TX	HENDERSON 1575	1575 HENDERSON RD	LOS FRESNOS	NEW CONSTRUCTION	80	FAMILY	5,283,000	TX INDIAN LAKES APARTMENTS LP	BELLWETHER ENTERPRISE REAL ESTATE	14,053,769	2019
4/4/2019	WA	DESCHUTES COVE	7201 HENDERSON BLVD SE	OLYMPIA	REHAB/REPAIR	44	FAMILY	518,000	CAC OF MASON THURSTON AND LEWIS COUNTIES	TIMBERLAND BANK	518,865	2019
5/8/2019	CA	ARMONA VILLAGE APARTMENTS	13845 LYN STREET	ARMONA	REHAB/REPAIR	33	FAMILY	1,350,000	DFA ARMONA VILLAGE, LP	BONNEVILLE MORTGAGE COMPANY	7,559,408	2019
5/20/2019	OK	GARDENWALK OF CHECOTAH	500 PAUL CARR DR	CHECOTAH	REHAB/REPAIR	48	FAMILY	515,000	RURAL HOUSING OF CHECOTAH LP	BONNEVILLE MORTGAGE COMPANY	4,802,435	2019
5/21/2019	AL	RIVER RUN APTS.	160 THE TRAIL	BREWTON	REHAB/REPAIR	56	FAMILY	1,443,802	BREWTON-HALL NEW APARTMENTS, LTD.	BONNEVILLE MORTGAGE COMPANY	6,469,952	2019
6/4/2019	NC	OKLAWAHA VILLAGE	234 STRICK GARDEN LANE	HENDERSONVILLE	NEW CONSTRUCTION	78	FAMILY	3,015,092	OKLAWAHA VILLAGE LIMITED PARTNERSHIP	CHURCHILL MORTGAGE INVESTMENT LLC	12,216,504	2019
6/6/2019	NC	LONG CREEK APARTMENTS II	1005 MILLINGTON CIRCLE	DALLAS	NEW CONSTRUCTION	80	FAMILY	4,895,000	LONG CREEK II, LLC	CHURCHILL MORTGAGE INVESTMENT LLC	10,104,362	2019
6/10/2019	TN	OVERLOOK VILLAGE	3132 HWY 411 SOUTH	MARYVILLE	NEW CONSTRUCTION	96	FAMILY	2,280,100	THE OVERLOOK VILLAGE, L.P.	ORIX REAL ESTATE CAPITAL, LLC	13,180,016	2019
6/11/2019	OH	BUCKHORN VILLAGE APTS	814 MILL ALLEY	NEWCOMERSTOWN	REHAB/REPAIR	50	FAMILY	850,000	BUCKHORN VILLAGE, LLC	HUNTINGTON NATIONAL BANK	6,513,538	2019
6/26/2019	MI	JASPERLITE SENIOR HOUSING	101 SOUTH FOURTH STREET	ISHPEMING	NEW CONSTRUCTION	36	SENIOR	1,161,000	JASPERLITE SENIOR HOUSING LIMITED DIVIDE	BELLWETHER ENTERPRISE REAL ESTATE	7,817,125	2019
6/28/2019	CA	COURTYARDS AT PENN VALLEY	10491 BROKEN OAK COURT	PENN VALLEY	REHAB/REPAIR	42	FAMILY	4,000,000	PENN VALLEY 2 LP	BONNEVILLE MORTGAGE COMPANY	9,237,766	2019
7/8/2019	MT	THE MEADOWS APARTMENTS	603 BRASSEY ST	LEWISTOWN	REHAB/REPAIR	35	SENIOR	1,755,000	THE MEADOWS INVESTORS LP	BELLWETHER ENTERPRISE REAL ESTATE	4,123,016	2019
7/10/2019	CA	WALNUT GROVE APARTMENTS	WALNUT AVENUE	GREENFIELD	NEW CONSTRUCTION	64	OTHER	6,200,000	1002 WALNUT AVE., LP	BONNEVILLE MORTGAGE COMPANY	29,296,797	2019
7/11/2019	TX	CALDWELL HEIGHTS APTS	326 W MARTIN LUTHER DRIVE	CALDWELL	NEW CONSTRUCTION	72	SENIOR	2,800,000	CALDWELL HEIGHTS, LP	BONNEVILLE MORTGAGE COMPANY	10,612,704	2019
7/31/2019	NC	WOODLANE STREET APARTMENTS	111 WOODLANE STREET	GRANITE FALLS	NEW CONSTRUCTION	66	FAMILY	1,650,000	WOODLANE STREET, LLC	CHURCHILL MORTGAGE INVESTMENT LLC	9,657,304	2019
7/31/2019	MI	REED CITY APTS	331 W CHURCH AND 424 W. FRANKLIN	REED CITY	REHAB/REPAIR	64	FAMILY	506,000	PK REED CITY LDHA LP	BONNEVILLE MORTGAGE COMPANY	6,009,016	2019
8/8/2019	NM	CLIFFSIDE I, II & III	621 DANI DRIVE	GALLUP	REHAB/REPAIR	107	FAMILY	2,727,863	JLG NM NORTH 2017 LLLP	GLACIER BANK	10,301,142	2019
8/8/2019	NM	PINOS BLANCOS I-II	512 W BLANCO BLVD	BLOOMFIELD	REHAB/REPAIR	69	FAMILY	2,619,671	JLG NM NORTH 2017 LLLP	GLACIER BANK	2,901,374	2019
8/8/2019	NM	SANDIA VISTA APTS.	492 CAMINO DON TOMAS	BERNALILLO	REHAB/REPAIR	41	FAMILY	1,359,305	JLG NM NORTH 2017 LLLP	GLACIER BANK	3,648,399	2019
8/8/2019	NM	COLUMBUS	60 BOTANICO	COLUMBUS	REHAB/REPAIR	24	FAMILY	127,000	JLG NM SOUTH 2017 LLLP	GLACIER BANK	2,425,291	2019
8/8/2019	NM	FRANKLIN I-V	820 HETTINGA LANE	ANTHONY	REHAB/REPAIR	136	FAMILY	4,060,234	JLG NM SOUTH 2017 LLLP	GLACIER BANK	11,171,413	2019
8/8/2019	NM	RIO MEMBRES	1608 SOUTH TIN ST	DEMING	REHAB/REPAIR	60	FAMILY	2,155,731	JLG NM SOUTH 2017 LLLP	GLACIER BANK	4,930,279	2019
8/12/2019	MD	CARROLLTOWNE VILLAGE	6500 CARROLLTOWNE VILLAGE DRIVE	ELDERSBURG	OTHER	40	FAMILY	2,750,000	CARROLLTOWNE VILLAGE PRESERVATION	ORIX REAL ESTATE CAPITAL, LLC	15,463,215	2019
8/13/2019	AK	MUNAQSRI SENIOR APARTMENTS	494 STEADMAN ST	NOME	REHAB/REPAIR	15	SENIOR	726,000	MUNAQSRI SENIOR ASSOCIATES OF NOME, LP	BONNEVILLE MORTGAGE COMPANY	8,126,207	2019
8/16/2019	LA	CULLEN SQUARE APARTMENTS	2 NORTH COLLINS STREET	CULLEN	REHAB/REPAIR	50	SENIOR	768,425	CULLEN HOUSING, LP	CHURCHILL MORTGAGE INVESTMENT LLC	6,212,276	2019
8/22/2019	NC	SANDHILL COURT	1732 WESTOVER DRIVE	SANFORD	NEW CONSTRUCTION	80	FAMILY	2,582,912	SANDHILL COURT, LLC	MERCHANTS CAPITAL CORP.	11,139,427	2019
8/22/2019	MI	CENTER STREET APTS	501 S. CENTER STREET	HARTFORD	REHAB/REPAIR	32	FAMILY	500,000	PK CENTER STREET LDHA LP	BONNEVILLE MORTGAGE COMPANY	3,857,586	2019
8/27/2019	OR	SILVERTOWNE APARTMENTS	1115 MILL STREET	SILVERTON	REHAB/REPAIR	88	MIXED	800,000	SILVERTOWNE APARTMENTS LLC	BELLWETHER ENTERPRISE REAL ESTATE	11,694,051	2019
9/11/2019	SC	MARION COMMONS APARTMENTS	108 LANCE AVENUE	LAKE CITY	NEW CONSTRUCTION	45	SENIOR	1,047,600	MARION COMMONS APARTMENTS, LLC	CHURCHILL MORTGAGE INVESTMENT LLC	8,555,680	2019
9/12/2019	TX	HIGHLANDER SENIOR VILLAGE	30445 WILLOW BRANCH BLVD	BULVERDE	NEW CONSTRUCTION	66	SENIOR	3,675,000	HIGHLANDER SENIOR VILLAGE, L.P.	BONNEVILLE MORTGAGE COMPANY	11,604,862	2019
9/13/2019	NC	PERRY LANE APARTMENTS	2568 HENDERSONVILLE ROAD	ARDEN	NEW CONSTRUCTION	120	FAMILY	7,100,000	PERRY LANE, LLC	CHURCHILL MORTGAGE INVESTMENT LLC	16,099,382	2019
9/16/2019	NC	ABBINGTON VILLAGE APARTMENTS	2929 FORESTVILLE RD.	RALEIGH	NEW CONSTRUCTION	85	FAMILY	6,700,000	RALEIGH ABBINGTON VILLAGE, LLC	CHURCHILL MORTGAGE INVESTMENT LLC	17,838,907	2019
9/19/2019	NC	CAMBRIDGE COMMONS	107 TEXTILE ST.	SHELBY	NEW CONSTRUCTION	80	FAMILY	3,215,000	CLEVELAND COUNTY MMR LIMITED PARTNERSHIP	BONNEVILLE MORTGAGE COMPANY	12,148,040	2019
9/24/2019	KY	WAR MEMORIAL SENIOR APARTMENTS	33 LEX CARTER CIRCLE	SCOTTSVILLE	REHAB/REPAIR	36	SENIOR	450,000	WAR MEMORIAL LLC	BONNEVILLE MORTGAGE COMPANY	5,850,579	2019
9/26/2019	KY	COLUMBIA GREENS APARTMENTS	305 TRABUE STREET	COLUMBIA	REHAB/REPAIR	24	FAMILY	220,000	COLUMBIA PLACE, LLC	GREYSTONE SERVICING COMPANY LLC	2,485,955	2019
9/26/2019	KY	SHELBY PLACE APARTMENTS	70-201 WILLOWWOOD DRIVE	SHELBYVILLE	REHAB/REPAIR	28	SENIOR	332,000	SHELBY HEIGHTS, LLC	GREYSTONE SERVICING COMPANY LLC	2,222,625	2019
9/26/2019	KY	SHELBY HOUSE APARTMENTS	101 WILLOWWOOD DRIVE	SHELBYVILLE	REHAB/REPAIR	24	SENIOR	673,000	SHELBY HOUSE APARTMENTS, LLC	GREYSTONE SERVICING COMPANY LLC	2,226,448	2019
9/26/2019	KY	SILVER CREEK I APARTMENTS	100 MIRACLE STREET	BEREA	REHAB/REPAIR	36	FAMILY	241,000	SILVER CREEK HEIGHTS, LLC	GREYSTONE SERVICING COMPANY LLC	3,274,873	2019
9/26/2019	KY	ROSEDALE COURT APARTMENTS	45 ROSEDALE COURT	DAWSON SPRINGS	REHAB/REPAIR	40	FAMILY	586,000	ROSEDALE PLACE, LLC	GREYSTONE SERVICING COMPANY LLC	3,150,146	2019
9/27/2019	TX	SILVERLEAF AT ORANGE	8885 OLD HIGHWAY 90	ORANGE	NEW CONSTRUCTION	80	SENIOR	3,002,347	SILVERLEAF AT ORANGE, LP	BONNEVILLE MORTGAGE COMPANY	11,787,347	2019
9/27/2019	KY	LIBERTY MANOR APARTMENTS	240 BUTCHER ST	LIBERTY	REHAB/REPAIR	50	MIXED	1,500,000	LIBERTY MANOR MULTIFAMILY, LLC	MERCHANTS CAPITAL CORP.	7,564,942	2019
9/27/2019	NC	SMITH CREEK APARTMENTS	4711 U.S. 158	BERMUDA RUN	NEW CONSTRUCTION	80	FAMILY	4,300,000	SMITH CREEK APARTMENTS, LLC	CHURCHILL MORTGAGE INVESTMENT LLC	10,750,762	2019
9/27/2019	TN	ISLAND GROVE		MADISONVILLE	NEW CONSTRUCTION	48	FAMILY	433,000	MADISONVILLE HALL APARTMENTS, LP	BONNEVILLE MORTGAGE COMPANY	7,755,146	2019
9/30/2019	OR	TOILVER TERRACE APTS.	615 HEINTZ STREET	MOLALLA	REHAB/REPAIR	32	SENIOR	815,000	PIONEER PROPERTY ENTERPRISES, LLC	NETWORK FOR OREGON AFFORDABLE HOU	6,911,208	2019

Rural Utilities Service | Electric Program | FY 2019 Loans					
Program	**State**	**Recipient**	**Award Date**	**Project Amount**	**Project Description**
Electric	AR	Rich Mountain Electric Cooperative	12/21/2018	$20,000,000	This Rural Development investment will be used to build or improve 89 miles of line to enhance system operations that will directly benefit 440 rural consumers. Operational since 1946, Rich Mountain Electric Cooperative serves more than 8,800 customers on more than 1,734 miles of line across four counties in Arkansas and Oklahoma. More than 50 percent of its service territory is forest land.
Electric	AR	Craighead Electric Cooperative Corporation	05/17/2019	$24,368,000	This Rural Development investment will be used to fund distribution projects, including 35 miles of new and improved line. Craighead serves more than 31,000 consumers over 4,800 miles of line in Craighead, Crittenden, Greene, Independence, Lawrence, Poinsett, Randolph and Sharp counties.
Electric	AR	South Central Arkansas Electric Cooperative	08/13/2019	$32,900,000	This Rural Development investment will be used to connect 700 customers, and build and improve 181 miles of line. This loan will also fund nearly $27 million in smart grid technologies. Headquartered in Arkadelphia in South Central Arkansas, and energized in 1942, South Central Arkansas Electric Cooperative Inc. serves nearly 11,000 customers through 1,905 miles of energized line in

					Nevada, Montgomery, Howard, Hempstead, Dallas, Hot Spring and Clark counties.
Electric	AR and MO	Carroll Electric Cooperative Corp.	03/11/2019	$263,117,000	This Rural Development investment will be used to improve electric grid reliability and security for 998 miles of transmission and distribution line. Carroll Electric will use $8.5 million of the loan to invest in smart grid technologies to improve system communications for 13,260 new customers. Carroll serves 97,275 consumers across 10,613 energized lines in 11 counties in Arkansas and Missouri.
Electric	AZ and UT	Navajo Tribal Utility Authority Generation	03/13/2019	$94,174,000	This Rural Development investment will be used to construct a 55.1 megawatt solar facility that will provide renewable energy to the Navajo Tribal Utility Authority, which will serve approximately 26,000 rural customers on the Navajo Nation in Arizona, New Mexico, and Utah. The Navajo Tribal Utility Authority provides electric, communications, natural gas, water, wastewater, and energy generation services on the 27,000 square-mile Navajo Nation.
Electric	CO	CoBank	09/23/2019	250,000,000.	Rural Development 313A funds will make investments in utility infrastructure loans or refinance bonds or notes issued for utility infrastructure funding purposes. CoBank is

					one of four banks of the Farm Credit System ("FCS") that was created by the U.S. Congress to fill a need for long-term agricultural credit. CoBank is cooperatively owned by its U.S. customer-owners, including agricultural cooperatives, rural energy, companies, and financial institutions that serve rural America.
Electric	CO	Mountain Parks Electric	09/26/2019	10,000,000.	This Rural Energy Savings investment will provide financing t for residential and commercial energy-efficiency upgrades, solar photovoltaic and battery storage installations and qualifying electric vehicle-related purchases.
Electric	CO and NE	Y-W Electric Association	09/20/2019	$45,628,000	This Rural Development investment will be used to connect 365 customers, and build and improve 164 miles of line, including 18 miles of transmission line. This loan includes more than $4 million for smart grid technologies. Y-W Electric is a member-owned electric distribution borrower headquartered in Akron, Colo. It serves 8,889 members in three counties in Colorado and one county in Nebraska.

Electric	CO, NE, WY	High West Energy Inc.	08/08/2019	$39,805,000	This Rural Development investment will be used to connect 748 customers, and build and improve 343 miles of line. The loan includes $3.3 million for smart grid technologies. High West serves more than 10,000 customers over 3,714 miles in three counties in Colorado, four counties in Nebraska and two counties in Wyoming.
Electric	FL	Central Florida Electric Cooperative	12/18/2018	$17,000,000	This Rural Development investment will be used to build or improve 248 miles of distribution line and improve system operations benefitting 1,328 rural customers. This funding also includes more than $1 million for smart grid technologies. Central Florida serves approximately 33,000 customers with 4,273 miles of line in Alachua, Dixie, Gilchrist and Levy counties. More than 2,320 of these are commercial and 500 are irrigation consumers. The co-op, which has been operational since 1940, is expected to add more than 2,100 customers during the next decade.
Electric	FL	Peace River Electric Cooperative	09/03/2019	$25,200,000	This Rural Development investment will be used to connect 3,988 customers; build and upgrade 103 miles of line; build and improve substations, switching stations and metering points; and replace 30 transmission poles. Peace River is a non-profit distribution cooperative providing electric service to approximately 43,000 residential and small

					commercial customers over 3,704 miles of line in central Florida.
Electric	FL	Suwanee Valley Electric Cooperative	09/17/2019	$18,000,000	This Rural Development investment will be used to connect 1,116 customers, and build and improve 118 miles of line. Suwannee Valley is headquartered in Live Oak, Fla. It provides electricity to more than 26,000 customers over 4,504 miles of energized line.
Electric	FL	Shaw Creek Solar	09/18/2019	52,000,000.	This Rural Development investment will finance the development of an 74.9 megawatt (MW) solar photovoltaic (PV) farm (the "Project") NextEra Energy Resources, LLC ("NextEra"), the parent company of Shaw Creek Solar, LLC.
Electric	GA	Little Ocmulgee Electric Membership Corp.	02/22/2019	$14,103,000	This Rural Development investment will be used to build 107 miles of line and invest $357,000 in smart grid technologies. These improvements will benefit 1,152 consumers. Little Ocmulgee provides power to more than 11,000 residential, commercial and irrigation consumers over 2,057 miles of line.
Electric	GA	Coastal Electric Membership Corporation	05/23/2019	$23,000,000	This Rural Development investment will be used to connect more than 3,900 consumers and build and improve 165 miles of line and invest $1.6 million for smart grid projects. Coastal Electric

					Membership Corporation serves approximately 19,700 customers in Georgia.
Electric	GA	Upson Electric Membership Corp.	08/07/2019	$4,455,000	This Rural Development investment will be used to build and improve 54 miles of line. It will connect 300 customers and improve system efficiencies for 9,112 customers in Crawford, Merriweather, Pike, Crawford, Taylor and Upson counties in central Georgia. This project also includes $118,000 for smart grid technologies.
Electric	GA	Jefferson Energy Cooperative	08/13/2019	$20,000,000	This Rural Development investment will be used to connect 1,750 consumers, and build and improve 145 miles of line. This loan includes $591,000 in smart grid technologies. These improvements will enhance system resilience and reliability. Jefferson Energy is headquartered in Wrens, Ga., and provides service to approximately 45,000 customers over 4,082 miles of line in 11 counties in east central Georgia.
Electric	GA	Sawnee Electric Membership Corp.	09/05/2019	$229,277,000	This Rural Development investment will be used to connect 25,650 customers, and build and improve 1,275 miles of distribution line to enhance system resilience and reliability. Sawnee serves nearly 180,000 customers over 11,362 miles of line in seven counties north of Atlanta.

Electric	GA	Jackson Electric Membership Corp.	09/11/2019	$190,002,000	This Rural Development investment will be used to build and improve 1,875 miles of distribution line and add 17,216 customers. These improvements will enhance distribution capacity by providing new capacity and additional reliability to serve its members' loads. These improvements include creating new lines and replacing worn poles and lines. Jackson Electric is headquartered in Jefferson, Ga. It provides electric service to almost 236,000 customers over 14,000 miles of line in parts of 10 counties in northeastern Georgia.
Electric	GA	Georgia Transmission Corp	09/25/2019	78,134,000.	Rural Development funds will be used to finance transmission improvement projects, including 14 new miles of new transmission lines, seven new substations, modifications of existing substations, capacity increases and other projects to increase reliability for member systems. Georgia Transmission Corporation, which serves 38 of Georgia's 41 Electric Membership Cooperatives, owns and maintains approximately 3,459 miles of transmission line and 742 substations and is the largest cooperative-owned transmission system in the United States.
Electric	GA	Oglethorpe Power Corp	09/27/2019	630,342,000.	This Rural Development investment will finance transmission system improvements and upgrades to its existing generation and

					transmission facilities. Oglethorpe is a generation and transmission electric cooperative (G&T) owned by 38 retail electric distribution cooperatives.
Electric	GA and NC	Blue Ridge Mountain Electric Membership Corp.	04/29/2019	$38,969,000	This Rural Development investment will be used to build and improve 277 miles of line to connect 2,370 new customers. Currently, Blue Ridge serves 52,759 customers with 6,194 miles of line in Fannin, Gilmer, Towns and Union counties in Georgia, and Cherokee and Clay counties in North Carolina.
Electric	IA	Southern Iowa Electric Cooperative	06/20/2019	$4,703,000	This Rural Development investment will be used to fund 11 miles of new line and invest $175,000 in smart grid technologies, providing reliable and resilient service to 208 customers. Southern Iowa Electric Cooperative, Inc., headquartered in Bloomfield, serves more than 4,725 residential and commercial customers across nearly 1,675 miles of line in Appanoose, Davis, Van Buren and Wapello counties in southeast Iowa.
Electric	IA	Central Iowa Power Coop	08/05/2019	81,386,000.	This Rural Development investment will add 49.32 miles of new transmission lines and replace 24.55 miles of old transmission lines. Central Iowa Power serves a population of 320,000 through 1,927 miles of transmission line in 58 out of 99 counties.

Electric	IA	Midland Power Coop	09/25/2019	26,000,000.	This Rural Development investment will connect over 1,300 consumers and build and improve 257 miles of line. The loan includes over $22 million for smart grid technologies. Midland Power is headquartered in Jefferson, Iowa and serves 11,766 members over 4,168 miles across 14 counties in the State of Iowa.
Electric	IN	Southern Indiana Rural Electric Cooperative Inc.	12/21/2018	$10,500,000	This Rural Development investment will be used to build or improve 92 miles of line to enhance system operations for 600 rural consumers. This funding also includes more than $1.5 million in smart grid technologies. Southern Indiana Power serves 9,300 consumers over 1,643 miles of line across five counties. Its service territory includes both agricultural and industrial consumers, including woodworking, furniture manufacturing, logging, rock quarrying, coal mining, crude oil production and manufacturing of steel products.
Electric	IN	Harrison REMC	06/04/2019	$15,500,000	This Rural Development investment will be used to connect 1,445 new consumers, build 78 new miles and improve 122 miles of distribution line. The loan includes $1.1 million in smart grid investments. Headquartered in Coryndon, Ind., Harrison County REMC serves about 23,200 consumers over 2,460 miles in Harrison, Floyd, Crawford,

					Clark and Washington counties.
Electric	IN	Southeastern Indiana Rural Electric Membership Corp.	08/08/2019	$15,000,000	This Rural Development investment will be used to connect 796 customers and build and improve 107 miles of line. The loan includes $2.6 million for smart grid technologies. Southeastern serves approximately 27,000 customers over 3,225 miles of line in Dearborn, Franklin, Jefferson, Jennings, Ohio, Ripley and Switzerland counties.
Electric	KS	Sedgwick County Electric Cooperative Association	05/08/2019	$8,116,000	This Rural Development investment will be used to build and improve 67 miles of line and invest nearly $420,000 in smart grid technologies to improve system efficiencies and security. Sedgwick County Electric Cooperative Association Inc. serves more than 6,800 consumers over 1,175 miles of line in Harvey, Kingman, Reno, Sedgwick and Sumner counties, bordering the city of Wichita.
Electric	KS	Ninnescah Rural Electric Cooperative Association	05/08/2019	$6,500,000	This Rural Development investment will be used to build and improve 89 miles of line. The loan includes $39,600 in smart grid technologies to improve system efficiencies and security. Ninnescah serves more than 4,200 customers over 2,129 miles of line in 10 counties in south central Kansas.

Electric	KS	Ark Valley Electric Cooperative Association	05/20/2019	$5,740,000	This Rural Development investment will be used to build and improve 29 miles of line to serve 228 consumers. The loan includes nearly $42,000 for smart grid applications to increase system resilience and reliability. Headquartered in South Hutchinson, Kan., and energized in 1939, Ark Valley is a rural distribution cooperative serving nearly 5,200 consumers through 2,101 miles of line.
Electric	KS	Heartland Rural Electric Cooperative	06/25/2019	$13,600,000	This Rural Development investment will be used to build and improve 55 miles of line and invest $3 million in smart grid technologies. These improvements will enhance system resilience and reliability. Heartland serves more than 11,000 residential and commercial consumers over 3,800 miles of energized line in 12 counties in Kansas.
Electric	KS	Western Cooperative Electric Association Inc.	09/10/2019	$19,000,000	This Rural Development investment will be used to connect 528 customers, and build and improve 135 miles of line to enhance system resilience and reliability.
Electric	KY	Jackson Energy Cooperative	04/08/2019	$36,000,000	This Rural Development investment will be used to build and improve 159 miles of line to improve system efficiency and resilience. Jackson Energy began operating in 1937 and today serves 51,493 residential and commercial customers through 5,742 miles of line.

Electric	KY	Licking Valley Rural Electric Cooperative	06/06/2019	$19,691,000	This Rural Development investment will be used to build and upgrade 84 miles of line and install nearly $338,000 in smart grid technologies to improve system operations and security, to serve 17,300 residential and business consumers over 2,072 miles of line in Breathitt, Elliot, Lee, Magoffin, Menifee, Morgan, Rowan and Wolfe counties.
Electric	KY	Fleming-Mason Energy Cooperative	06/10/2019	$18,357,000	This Rural Development investment will be used to build and improve 295 miles of line and invest $622,917 in smart grid technologies to benefit 24,400 consumers across 3,624 miles of line in Bath, Bracken, Fleming, Lewis, Mason, Nicholas, Robertson and Rowan counties.
Electric	KY	Taylor County RECC	06/28/2019	$10,000,000	This Rural Development investment will be used to build and improve 84 miles of line to serve 1,140 customers. This loan includes $1.8 million in smart grid technologies to increase system efficiencies and security. Taylor County RECC serves 26,251 customers across 3,285 miles of line in nine Kentucky counties.
Electric	KY	Salt River RECC	07/02/2019	$30,000,000	This Rural Development investment will be used to build 212 of new line to serve 5,023 customers and improve 112 miles to enhance system resilience and reliability. This loan includes $12.7 million in smart grid improvements. Salt

					River RECC serves more than 51,000 customers across nearly 4,300 miles of line in 10 counties in central Kentucky.
Electric	KY	Big Rivers Electric Corporation	09/03/2019	$160,484,000	This Rural Development investment will be used to build and improve 34 miles of transmission line. These improvements will enhance transmission capacity and ensure greater reliability of service to rural communities. Big Rivers, headquartered in Henderson, Ky., serves more than 117,000 residential and commercial customers in 22 counties in Kentucky.
Electric	KY	East Kentucky Power Cooperative Inc.	09/11/2019	$152,987,000	This Rural Development investment will be used to make transmission system improvements and build 34 miles of transmission line to enhance system reliability. Eastern Kentucky Power generates wholesale electricity and provides bulk transmission services to 16 distribution member cooperatives, which in turn serve the power needs of approximately 595,016 meters and 541,382 member-consumers in the eastern 2/3rds of the state of Kentucky. Its member consumers are located in 89 of Kentucky's 120 counties. These 16 distribution member cooperatives serve more than 1 million Kentuckians.

Electric	LA	Washington-St.Tammany Elec Coop	09/25/2019	74,542,000.	This Rural Development investment will fund 176 new line miles, improve 70 miles ofline, and add 3,862 new consumers. These improvements include upgrades to 11 miles of transmission line to improve capacity and reliability to serve member loads. Washington-St. Tammany serves 52,538 consumers in Louisiana and Mississippi with over 5,376 miles of distribution line and 167 miles of transmission line.
Electric	ME	Aligned Solar Partners 1, LLC	07/29/2019	$1,750,000	This Rural Development investment will be used to finance two, 1 megawatt solar projects. One project is in Aroostook County. The other is in Kennebec County. The electricity generated will power two rural municipal water and sewer districts. This loan is an example of the ways in which USDA coordinates assistance through multiple programs -- in this case the Electric and Water Programs -- to enhance the quality of life in rural communities.
Electric	MI	Cloverland Electric Cooperative	03/19/2019	$42,900,000	This Rural Development investment will be used to improve the generation system and upgrade security measures. The loan will also be used to build and improve 80 miles of line and invest nearly $832,000 in smart grid technologies. Cloverland Electric serves nearly 43,000 residential and commercial consumers in Chippewa, Delta, Luce, Mackinac and

					Schoolcraft counties in Michigan.
Electric	MI	Thumb Electric Coop Of Michigan	05/28/2019	1,000,000.	This Rural Energy Savings investment will carry out an on-bill financing program that enables consumers to affordably implement cost saving energy efficiency improvements.
Electric	MI	Great Lakes Energy Cooperative	09/27/2019	$188,000,000	This Rural Development investment will be used to build and improve 388 miles of distribution line and connect 4,166 customers. These new miles of line include the installation of 1,850 miles of fiber and 6,200 connections. The loan includes funds to install fiber-based smart grid communications to increase system efficiencies. Great Lakes provides electric service to approximately 125,447 customers over more than 14,451 miles of line in 26 counties in the western portion of Michigan's Lower Peninsula.
Electric	MI, OH and IN	Midwest Energy Cooperative	09/16/2019	$63,750,000	This Rural Development investment will be used to build and improve 1,193 miles of distribution line, and connect 1,160 customers. The new miles of line include 988 miles of fiber backbone for smart grid communications improvements across the electric operating system, including upgrades to metering and grid management systems. Midwest Energy Cooperative

					serves approximately 36,000 customers over 4,240 miles of line in seven counties in southeast and southwest Michigan, three counties in northern Indiana and two counties in northern Ohio.
Electric	MN	BENCO Electric Cooperative	03/05/2019	$25,000,000	This Rural Development investment will be used to build or improve 158 miles of line and invest $2.7 million in smart grid technologies to increase electric system efficiencies and grid security. BENCO provides electricity to more than 18,500 residential and commercial consumers over nearly 3,600 miles of line in 10 counties in south central Minnesota. Much of its service territory is farmland. Continued improvements in basic services such as schools, hospitals, roads and telecommunications is transforming the area into a regional center for medical care and retail shopping.
Electric	MN	Lake Country Power	03/22/2019	$52,000,000	This Rural Development investment will be used to finance 1,400 new consumer connections, build and improve 249 miles of line and invest $17 million in smart grid technologies to increase system security and resilience. Lake Country provides service to approximately 49,000 customers across 8,319 miles of line in eight

					counties in northeastern Minnesota.
Electric	MN	People's Energy Cooperative	04/26/2019	$36,000,000	This Rural Development investment will be used to build and improve 506 miles of line and invest nearly $800,000 in smart grid technologies to improve system efficiencies and resilience. People's Energy serves 22,400 residential and commercial consumers over 2,980 miles of line in six counties in southeast Minnesota.
Electric	MN	Stearns Cooperative Electric Assn.	04/29/2019	$40,956,000	This Rural Development investment will be used to build and improve 280 miles of line and invest $3.3 million in smart grid technologies to improve system efficiencies and increase resilience. Headquartered in Melrose, Minn., Stearns Cooperative is a rural distribution cooperative serving 26,000 consumers across 4,127 miles of line throughout Morrison, Pope, Kandiyohi, Todd, Stearns and Douglas counties in Minnesota.
Electric	MN	Meeker Cooperative Light & Power	08/01/2019	$22,000,000	This Rural Development investment will be used to connect 296 customers and improve 243 miles of distribution line. The loan includes nearly $7.1 million in smart grid technologies. Headquartered in central Minnesota., Meeker serves 8,917 customers over 1,936 energized miles of line in Meeker, Wright, Stearns,

					McLeod, Kandiyohi and Renville counties.
Electric	MN	North Star Electric Cooperative	08/13/2019	$11,057,000	This Rural Development investment will be used to build and improve 95 miles of line and add 357 customers. The loan includes more than $2 million for smart grid technologies. North Star serves an average of 6,500 customers through 1,444 miles of energized line in Koochiching, Lake of the Woods, Roseau and St. Louis counties.
Electric	MN	Redwood Electric Cooperative	09/12/2019	$7,000,000	This Rural Development investment will be used to build and improve 57 miles of distribution line and add 72 customers. The loan includes $1,831,000 for smart grid technologies. Redwood Electric Cooperative, headquartered in Clements, Minn., serves more than 4,400 residential and commercial consumers in three counties in Minnesota.
Electric	MN	Agralite Coop	09/30/2019	5,726,864.	Electric Refinancing Program
Electric	MN and SD	H-D Electric Cooperative	06/10/2019	$8,072,000	This Rural Development investment will be used to connect 146 customers and consumers and build and improve 140 miles of distribution line. The loan includes more than $474,000 in smart grid applications to enhance system resilience and reliability. H-D Electric, headquartered in Clear Lake,

					S.D., provides electric service to approximately 3,600 consumers over 1,572 miles of line in South Dakota and Minnesota.
Electric	MN, ND and SD	Traverse Electric Cooperative	04/18/2019	$5,006,000	This Rural Development investment will be used to build and improve 51 miles of line and invest $625,000 in smart grid technologies to increase system efficiencies and resilience. Traverse Electric serves nearly 3,000 consumers over 1,695 miles of line in Big Stone, Grant, Stevens, Traverse and Wilkins counties in Minnesota. It also serves consumers in Marshall and Roberts counties in South Dakota and in Richland County in North Dakota.
Electric	MO	Central Electric Power Cooperative	02/14/2019	$72,153,000	This Rural Development investment will be used to finance electric distribution and transmission facilities. The upgrades will supply peak loads, conform to safety requirements and improve the reliability and resiliency of the transmission system. Central Electric also plans to construct backup control center facilities to ensure the continuity of operations in the event of catastrophe. It is a member-owned transmission electric cooperative that supplies power to eight electric distribution cooperatives. It serves approximately 187,000 residential and business

					consumers across 22,000 square miles in 28 counties in central Missouri.
Electric	MO	Howard Electric Cooperative	03/13/2019	$7,769,000	This Rural Development investment will be used to build and improve 47 miles of line and make system improvements for approximately 200 consumers. The loan includes $234,000 for smart grid technologies. Howard serves 3,520 residential and business consumers across 918 miles of line.
Electric	MO	Farmer's Electric Cooperative	08/13/2019	$14,000,000	This Rural Development investment will be used to connect 726 customers, and build and improve 114 miles of distribution line. This loan includes $240,000 in smart grid technologies. Farmers' serves more than 13,000 members over 3,699 miles of line in Linn, Clinton, Carroll, Caldwell, Daviess, DeKalb, Chariton, Livingston and Ray counties.
Electric	MO	Intercounty Electric Coop Assn	09/25/2019	10,000,000.	This Rural Development investment will fund 36 miles of line to serve 696 consumers. Intercounty, headquartered in Licking, Missouri, is a rural electric distribution system serving approximately 30,400 consumers over 5,600 miles of line in 9 counties.

Electric	MO	Associated Electric Coop	09/25/2019	140,000,000.	This Rural Development investment will fund replacement of components for a generating facility. Associated is a generation and transmission (G&T) cooperative that provides wholesale power to its six G&T members that provide wholesale power to 51 distribution cooperatives. The combined 51 cooperatives serve more than 910,000 customers in the Missouri, southeast Iowa, and northeast Oklahoma.
Electric	MS	Cooperative Energy	03/08/2019	$148,885,000	This Rural Development investment will be used to make environmental upgrades, replace gas turbines, build transmission lines and substations, and make other improvements. Cooperative Energy provides wholesale power to its 11 generation and transmission members in southern and western Mississippi. Its systems include more than 1,800 miles of transmission lines that connect with more than 56,000 miles of distribution line serving more than 498,000 meters. This partnership provides electricity that serves approximately 1 million Mississippians in 55 counties.
Electric	MS	Magnolia Electric Power Association	03/19/2019	$40,000,000	This Rural Development investment will be used to make system improvements, including 303 miles of line and $4 million in smart grid technologies to increase system reliability. Magnolia Electric is a not-for-profit,

					consumer-owned electric distribution cooperative located in Summit, Miss. It serves nearly 32,000 residential and business consumers across eight counties and 4,780 miles of line.
Electric	MS	Natchez Trace Electric Power Assn.	04/19/2019	$8,560,000	This Rural Development investment will be used to upgrade distribution and headquarters facilities to improve system efficiencies and resilience and meet customer needs. Natchez Trace is headquartered in Houston, Miss. It serves more than 15,800 customers over 2,100 miles of line in Calhoun, Chickasaw, Clay, Grenada, Pontotoc, Webster and Yalobusha counties in north central Mississippi.
Electric	MS	Southern Pine Electric	09/23/2019	85,292,000.	This Rural Development investment will build 271 miles of new line, improve 493 miles and connect 6,834 new consumers. The loan includes over $19 million in smart grid technologies, of which $14,425,000 will be used to construct 577 miles of fiber cable. Southern Pine Electric Cooperative is headquartered in Taylorsville, Mississippi and serves 67,547 consumers over 10,448 miles of line.
Electric	MT	Missoula Electric Coop	03/13/2019	200,000.	This Rural Enegy Savings investment will provide service to consumers in Montana and Idaho. Rural Development funds will finance an energy on-bill financing program. The On-Bill Financing Program will

					relend loan funds to qualified residential and commercial consumers to implement cost-saving energy efficiency improvements such as heating and cooling systems, weatherization, energy efficient lighting, water heaters and duct sealing.
Electric	NC	Albemarle Electric Membership Corp.	02/08/2019	$15,000,000	This Rural Development investment will be used to build or improve 41 miles of line serving nearly 13,000 residential and industrial consumers. These funds will also be used for smart grid technologies to help Albemarle better manage the electric grid, improve operational efficiencies and manage loads, such as during peak demand. Albemarle serves five counties in northeast North Carolina.
Electric	NC	North Carolina Electric Membership Corporation	07/16/2019	$16,698,000	This Rural Development investment will fund N.C. EMC's share of the cost for generation system improvement projects at the Catawba Nuclear Station. N.C. EMC is a generation and transmission electric cooperative with headquarters located in Raleigh, N.C., providing power to 25 distribution cooperatives across 93 counties in the state. These funds will invest in system upgrades and plant security.
Electric	NC	Pee Dee Electric Membership Corp.	07/23/2019	$20,000,000	This Rural Development investment will be used to build or improve 210 miles of line to serve 2,245 customers. The loan includes almost $2

					million for smart grid technologies to improve system efficiency and grid security. Pee Dee EMC serves 21,000 customers across seven counties.
Electric	NC	Tideland EMC	09/18/2019	31,689,000.	This Rural Development investment will fund 59 new miles of line, improve 117 miles and connect 2,531 new consumers.
Electric	NC	Surry-Yadkin EMC	09/25/2019	27,000,000.	This Rural Development investment will finance distribution and transmission system improvement projects for Surry-Yadkin EMC, a distribution cooperative serving 27,063 consumers across northwestern North Carolina.
Electric	NC, SC and GA	Haywood EMC	09/17/2019	$24,000,000	This Rural Development investment will be used to connect 1,800 customers, build and upgrade 58 miles of distribution line, and build 4 miles of transmission line. This loan includes $750,000 to finance smart grid technologies that will enhance communications to all metering points, as well as other grid assets. This will provide real-time data to improve the reliability of the distribution system. Haywood is a non-profit distribution cooperative providing electric service to approximately 27,200 members in eight counties in Western North Carolina, and to portions of two counties in northeastern Georgia and South Carolina.

Electric	ND	Central Power Electric Cooperative	03/07/2019	$68,342,000	This Rural Development investment will be used to build eight transmission lines, two substations, and make other system improvements. Central Power serves six distribution cooperatives that deliver power to more than 61,700 residential and business customers primarily in central and southeastern North Dakota.
Electric	ND	Verendrye Electric Cooperative	08/07/2019	$29,973,000	This Rural Development investment will be used to build and improve 244 miles of line. This project will connect nearly 1,400 new customers and improve system efficiencies for 16,269 existing consumers. The loan includes $1.8 million for smart grid technologies. Vendendrye serves 4,600 energized miles in McHenry, Renville, Ward, Pierce, Wells, Sheridan and McLean counties in north central North Dakota.
Electric	NE	Midwest Electric Member Corp	09/27/2019	9,100,000.	This Rural Development investment will fund finance distribution and transmission improvements, including include 19 miles of new line and 165 miles of improvement line. Midwest is also investing funds in the amount of $875,200 in smart grid applications to improve system resilience. Midwest Electric serves 6,522 consumers in southwest Nebraska.
Electric	NM	Syncarpha Eagle Nest 1	02/14/2019	$1,200,000	This Rural Development investment will be used to finance a 1.3 megawatt solar farm. The proposed facility

					will be located in the village of Eagle Nest in Colfax County.
Electric	NM	Mora-San Miguel Electric Cooperative Inc.	09/18/2019	$7,338,000	This Rural Development investment will be used to build and improve 102 miles of distribution line. The loan includes $83,380 for smart grid technologies. This project will provide electricity to 364 new customers. Mora-San Miguel provides electric service to 9,386 customers over 1,961 miles of line in four counties in north central New Mexico.
Electric	OH	Buckeye Rural Electric Cooperative	06/25/2019	$19,695,000	This Rural Development investment will be used to build and improve 96 miles of line, serving 600 new customers, and invest $327,000 in smart grid technologies to increase system efficiency and resilience. Buckeye serves more than 18,600 customers over 2,500 miles of line across nine counties in eastern Ohio.
Electric	OH	Mid-Ohio Energy Cooperative	09/03/2019	$8,000,000	This Rural Development investment will be used to connect 220 customers, upgrade 52 miles of line and make improvements to substations and metering points. Mid-Ohio is a non-profit distribution cooperative providing electric service to approximately 8,100 customers over 1,333 miles of line in 10 counties in north central Ohio.

Electric	OH	Consolidated Electric Cooperative, Inc.	09/11/2019	$14,938,000	This Rural Development investment will be used to connect 659 customers, build and improve 69 miles of line and implement smart grid technology to improve system performance and reliability. Consolidated serves more than 17,000 customers.
Electric	OK	Verdigris Valley Electric Cooperative	11/16/2018	$20,100,000	This Rural Development investment will be used to build or improve 35 miles of line to provide reliable electric service to 1,103 consumers. These improvements will benefit nearly 36,500 residential and commercial consumers served over approximately 4,478 miles of line in Nowata, Osage, Rogers, Tulsa and Washington counties. These investments are expected to improve electric resilience while continuing to provide affordable power for rural Oklahoma communities.
Electric	OR	West Oregon Electric Cooperative	09/04/2019	$8,482,000	This Rural Development investment will be used to connect 79 customers, and build and improve 49 miles of line. These improvements will enhance distribution capacity and ensure greater reliability of service to rural communities. West Oregon, headquartered in Vernonia, serves more than 4,400 customers over 695 miles of line in five counties in northwestern Oregon.
Electric	OR	Tillamook People's Utility Dist	09/26/2019	42,575,000.	This Rural Development investment will fund 10 new line miles, improve 231 miles of distribution line and add 600 new consumers. In

					addition, this loan will finance installation of nine new miles of transmission line and anew headquarters facility to efficiently serve member loads. Tillamook serves more than 21,000 consumers over 1,200 miles of line.
Electric	SC	Edisto Electric Cooperative	04/08/2019	$30,000,000	This Rural Development investment will be used to build and improve 319 miles of line and invest $3.2 million in smart grid technologies. These improvements will enhance system resilience and reliability. Edisto, headquartered in Bamberg, S.C., serves more than 20,000 residential and commercial consumers over nearly 3,600 miles of line in eight counties in South Carolina.
Electric	SC	Horry Electric Coop	08/05/2019	79,730,000.	This Rural Development investment will fund 277 new miles of line, improve 220 miles and connect 8,800 new consumers.
Electric	SD	West River Electric Association	11/07/2018	$30,338,000	This Rural Development investment will be used to build or improve 163 miles of line, serve 1,049 new customers and finance $2.4 million in smart grid technologies to increase system operational efficiencies and resilience, while delivering affordable power to 16,920 residential and commercial consumers. West River's service territory is dependent on agriculture, tourism and business activity. The eastern portion of the area is sparsely populated with farms and ranches producing wheat and cattle. It

					has experienced steady growth due to the growth near Ellsworth Air Force Base, the Black Hills and the Badlands.
Electric	SD	Black Hills Electric Cooperative	11/28/2018	$14,842,000	This Rural Development investment will be used to build or improve 101 miles of line, provide reliable electric service to 500 new customers and will finance more than $1.6 million in smart grid technologies. The loan will increase operational efficiencies and resilience to continue to provide reliable and affordable electric service to 9,800 residential, seasonal and commercial consumers across 2,600 miles of line in six counties. Agriculture is the cornerstone of the region's economy. Ellsworth Air Force base and the scenic Black Hills contribute to the area's increasing economic diversity.
Electric	SD	Bon Homme Yankton Electric Association	12/21/2018	$9,016,000	This Rural Development investment will be used to build or improve 118 miles of line, serve 228 new, rural consumers and finance $434,356 in smart grid technologies. Bon Homme provides electricity to more than 3,800 consumers over 1,300 miles of line in four counties in southeastern South Dakota. Its service territory is primarily agricultural, including cattle producers and

					farms growing corn and soybeans.
Electric	SD	Whetstone Valley Electric Cooperative	06/25/2019	$7,364,000	This Rural Development investment will be used to build and improve 116 miles of line serving 146 new consumers, and invest $305,100 in smart grid technologies to improve system efficiencies and resilience. Whetstone provides electric service to 3,422 consumers over 1,482 miles of line in Roberts, Codington and Grant counties in the northeastern South Dakota.
Electric	SD	Central Electric Coop Inc	08/05/2019	26,780,000.	This Rural Development investment will connect 353 new consumers, fund 127 new miles and improve 302 miles of distribution line. These improvements will enhance distribution capacity and ensure greater reliability of service to rural communities. There is $2,713,412 of Smart Grid or fiber projects included in this loan. Central Electric Cooperative, Inc., headquartered in Mitchell, South Dakota serves more than 7,100 consumers over 4,483 miles of line in 13 counties in south central South Dakota.

Electric	SD	East River Electric Power Coop	09/26/2019	198,910,000.	This Rural Development investment will fund 135 new miles and improve 469 miles of transmission line. These improvements will enhance transmission capacity and ensure greater reliability of service to rural communities. There is $6,220,000 of Smart Grid investment, including 65 miles of fiber optics included in this loan for a total of $3,370,000. East River Electric Power Cooperative, Inc., headquartered in Madison, South Dakota serves more than 126,517 residential and commercial consumers in 41 counties in eastern South Dakota and 22 counties in western Minnesota
Electric	SD	Douglas Electric Coop	09/30/2019	1,149,608.	Electric Refinancing Program
Electric	SD and ND	Northern Electric Cooperative Inc.	03/06/2019	$24,825,000	This Rural Development investment will be used to build or improve 360 miles of line to serve 232 consumers. The loan includes $351,000 in smart grid technologies to increase system efficiencies and grid security. Northern Electric serves more than 6,300 consumers over 2,600 miles of line in 10 counties in northeastern South Dakota and one county in southern North Dakota. Its service area is primarily agricultural, although the area around Aberdeen, S.D., includes a significant amount of industrial and retail activity.

Electric	TN	Appalachian Electric Coop	02/28/2019	5,000,000.	This Rural Energy Savings investments will be used to carry out an on-bill financing program to implement energy efficiency measures. Appalachian Electric Cooperative is headquartered in New Market, Tennessee and provides electric service to approximately 46,200 members over 2,696 miles of line in four counties in eastern Tennessee.
Electric	TN	Meriwether Lewis Electric Cooperative	09/10/2019	$60,000,000	This Rural Development investment will be used to install $60 million in smart grid applications. Incorporated in 1939, Meriwether Lewis is a member-owned electric cooperative headquartered in Centerville, Tenn. It serves approximately 34,200 customers over 3,857 miles of line in 12 counties in Tennessee.
Electric	TN and KY	Gibson Electric Membership Corp.	04/04/2019	$50,000,000	This Rural Development investment will be used to build and improve 272 miles of line and invest $16.5 million in smart grid technologies to improve system efficiencies and resiliency. Gibson EMC serves approximately 39,000 residential and commercial customers over 3,500 miles of line in Tennessee and Kentucky.
Electric	TX	Heart of Texas Electric Cooperative Inc.	03/08/2019	$31,254,000	This Rural Development investment will be used to build or improve 1,597 miles of line to improve service to 2,582 consumers. The loan includes $1.23 million in smart grid technologies. Heart

					of Texas serves 21,300 consumers over 3,750 miles of line.
Electric	TX	North Plains Electric Cooperative	04/29/2019	$35,440,000	This Rural Development investment will be used to build and improve 163 miles of line and invest $351,000 in smart grid technologies to improve system efficiencies and resilience. North Plains provides electric service to more than 7,000 residential and commercial customers over 3,779 miles of line across Ochiltree, Roberts, Hansford, Wheeler, Lipscomb, Hutchinson and Hemphill counties in the northeast Texas panhandle.
Electric	TX	Deep East Texas Electric Cooperative	06/26/2019	$27,375,000	This Rural Development investment will be used to build and improve 218 miles line to connect 2,000 new customers. The cooperative also will invest $200,000 in smart grid technologies to increase system efficiency and resilience. It serves approximately 42,580 customers over 7,500 miles of line in San Augustine, Nacogdoches, Panola, Shelby, Jasper, Newton, Rusk and Sabine counties.
Electric	TX	Bartlett Electric Cooperative	09/10/2019	$7,000,000	This Rural Development investment will be used to install 212 miles of fiber cable for smart grid technologies to improve system efficiencies and reliability. Bartlett Electric Cooperative is located in a rural area in central Texas, just northeast of Austin. Its 936-square-miles service area includes

					more than 11,900 customers and about 1,709 miles of line.
Electric	TX	Brazos Electric Power Coop	09/26/2019	99,006,000.	This Rural Development investment will fund the installation of 42 new miles of transmission line, and construction of various projects to improve service to the Brazos' member distribution cooperative customers in rural areas of Texas. Brazos is member-owned, generation and transmission that generates and purchases wholesale electricity and provides bulk transmission services to 16 distribution member cooperatives, as well as the City of Whitesboro in Texas. In turn, these local utilities serve the power needs of approximately 637,000 consumers.
Electric	VA	A&N Electric Cooperative	08/08/2019	$54,453,000	This Rural Development investment will be used to build and improve 249 miles of line to connect 2,144 customers. The loan includes more than $5 million for smart grid technology. A&N serves 36,000 customers over nearly 2,500 miles of line in Accomack and Northampton counties in Virginia, and on Tangier Island (Va.) in the Chesapeake Bay.

Electric	VA	Rappahannock Electric Coop	09/26/2019	123,236,000.	This Rural Development investment will fund the construction and reimbursement of the electric distribution facilities, to connect 7,931 consumers across 501 miles of line. This loan will also finance nearly $31.7 million in smart grid projects to improve reliability and grid communications, including the installation of 800 miles of fiber optic cable and equipment. Rappahannock, the largest cooperative in Virginia, is headquartered in Fredericksburg. Rappahannock serves 163,000 consumers across 17,274 miles of line in 22 counties and one independent city in east central Virginia.
Electric	VA	NRUCFC	09/26/2019	500,000,000.	Rural Development 313A funds will be used to finance rural electric and telecommunications projects nationwide. CFC is a member owned, nonprofit cooperative organized to supplement the loan programs for electric cooperatives offered by RUS. CFC makes loans to rural electric members to acquire, construct, and operate electric distribution, generation, transmission and related facilities, and finances rural telecommunications members and their affiliates.

Electric	VA	Reliable Energy	09/26/2019	3,000,000.	This Rural Energy Savings investment will be used to engineer, procure, install and maintain solar photovoltaic systems.
Electric	VA and WV	Craig-Botetourt Electric Cooperative	03/28/2019	$5,000,000	This Rural Development investment will be used to build and improve 37 miles of line and invest $2.2 million in smart grid technologies. Craig-Botetourt Electric Cooperative serves more than 7,100 residential and commercial customers over 1,387 miles of line in six counties in western Virginia and one county in West Virginia. Approximately 50 percent of its mountainous service territory is National Forest Service land.
Electric	VT	Washington Electric Cooperative	08/13/2019	$8,130,000	This Rural Development investment will be used to finance distribution improvement projects, two transmission projects and a generation project. Washington Electric will build and improve 64 miles of line to serve 330 customers. The loan includes $168,000 for smart grid technologies. Washington Electric serves approximately 11,460 members over 1,322 miles of line in Orange, Orleans, Washington and Caledonia counties in north central Vermont.

Electric	WA	Orcas Power & Light Coop	09/27/2019	15,000,000.	This Rural Energy Savings investment will finance projects that include heat pump upgrades/replacements, heat pump water heater upgrades/replacements, SMART water heaters, whole house retrofits, community/residential solar and electric vehicle charging stations.
Electric	WI	OE WI Solar 1, LLC	05/17/2019	$935,000	This Rural Development investment will be used to build a solar photovoltaic farm on 6.5 acres in the town of Portland. The farm will provide electricity to Northern States Power Company, which will provide renewable energy to its customers.
Electric	WI	Clark Electric Cooperative	08/07/2019	$7,000,000	This Rural Development investment will be used to connect 447 customers and build and improve 69 miles of line. The loan includes nearly $1.9 million in smart-grid technologies. Clark serves almost 9,200 customers over 1,996 miles of line in Marathon, Chippewa, Taylor, Jackson, Clark and Wood counties in central Wisconsin.
Electric	WI	Jump River Electric Cooperative	09/03/2019	$11,000,000	This Rural Development investment will be used connect 461 customers and build and improve 133 miles of line. This loan includes nearly $1.5 million for smart grid technologies. Jump River is headquartered in Ladysmith, Wis. It serves more than 9,000 members over 1,769 miles of energized line.

Electric	WI, IA, IL, MI and MN	Dairyland Power Cooperative	03/08/2019	$84,760,000	This Rural Development investment will be used to build 18 miles of transmission line and upgrade 174 miles. Dairyland also will make improvements at several generating plants. It is a non-profit generation and transmission cooperative that generating plants. It is a non-profit generation and transmission cooperative that provides wholesale electric service to 24 distribution members and 17 municipalities in Illinois, Iowa, Michigan, Minnesota and Wisconsin. It has a diversified mix of generation resources consisting of coal, hydro, natural gas, wind, biomass, animal waste and solar. Its service territory is 59 percent residential, 15 percent small commercial and 26 percent large commercial. Dairyland's member cooperatives serve 263,000 consumers.
Total				**5,780,330,472.**	**112 Loans**

Rural Utilities Service | Electric Program | FY 2019 High Energy Cost Grants			
Applicant Legal Name	**Project Description**	**Grant $ Requested**	**State**
The Denali Commission – for Chitina, AK	Five Mile Creek Hydro – Construction of a 300-400 kW hydroelectric generating facility, penstock to include access road, turbine house, electrical tie-in and controls to displace 90% of annual diesel fuel consumption by the utility in Chitina, AK (pop 126).	(Obligated 7/26/2019) $3,000,000.00	AK
Pilot Point Native Corporation	Pilot Point Box Solar – To fund the purchase, shipping and installation of a 32,340 watts container-mounted solar array and related	219,660.00	AK

	inverter and battery system to provide power to the only community owned store in Pilot Point, AK (pop 68).		
MTNT Energy, LLC	McGrath AK System Upgrades – Replace and relocate the existing McGrath Power Plant ($2,589,652) and implement distribution upgrades ($411,625) in McGrath, AK (pop 345).	2,953,960.00	AK
TDX Adak Generating, LLC	Adak Power Plant Relocation and Upgrade Project – This Aleutian island project will fund Phase I and part of Phase II needed to remedy structural deficiencies and line losses associated with existing plant that served a population of 6,000 and a Navy base that closed in 1997. The bulk of grant funds will be used to purchase and install a new diesel gen-set, emission control system fuel distribution and storage tanks, as well as hot water heat exchangers for a heat recovery system at City Hall for the town of Adak, AK (pop 361).	3,000,000.00	AK
INN Electric Cooperative, Inc.	INN Energy Upgrades – Funds to be used for a standby emergency generator ($957,217), lighting upgrades ($11,430) and hydro energy recovery electric heaters ($13,2,250) to be installed at the Iliamna airport. Nondalton, AK is the primary beneficiary community (pop 164).	(Obligation request sent 8/8/2019) 999,897.00	AK
Tanalian Electric Cooperative, Inc.	Port Alsworth System Improvements – Funding to complete the construction of an earlier upgrade project primarily consisting of a 3rd generator ($401,120), heat recovery for the school and electrical distribution upgrades (pop 159).	755,869.00	AK
Northwest Arctic Borough	A 150 kW Solar photovoltaic and 670 kW lithium battery storage system for the communities of Shungnak (pop 262) and Kobuk (pop 151) that will allow for periods of diesels-off operation.	1,291,675.72	AK
City of Teller	Heat Recovery jacket on existing diesel power plant where recovered waste heat is to be delivered to essential community end users (water treatment plant, washeteria, city admin building and clinic) in the City of Teller, AK (pop 256).	958,705.00	AK
TOTAL:		**$13,179,766.72**	**8 Grants**



United States Department of Agriculture, Rural Utilities Service

USDA ReConnect Program

Service Area Validation Execution Guide

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Document Change Tracker

SAV Execution Guide Change	Date	Name
Desktop Research Procedure	8/15/19	Kerianne Gibney
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Document Overview

The purpose of this guide is to provide a Service Area Validation (SAV) framework for approval by the United States Department of Agriculture (USDA) in support of the ReConnect Grant and Loan Program. The process provided in this document was drafted by Corner Alliance – Deloitte to support determinations of whether sufficient access to broadband exists in proposed service areas, per the requirements in Task Order 2 in the CLIN 002 performance work statement (PWS). This document reflects details consistent with the high-level framework presented to the USDA on May 23, 2019 entitled "USDA SAV Framework Memo submitted 5.23.19.docx" and approved on May 28, 2019.

Process Overview

SAV Purpose

The purpose of a SAV is to determine whether Proposed Funded Service Areas (PFSAs) submitted by applicants for the ReConnect Program meet eligibility requirements described in the Funding Opportunity Announcement. The SAV Review Team performs SAVs to determine the percentage of households in a PFSA that lack sufficient access to broadband. For applicants seeking 100% Grants, 100% of households within the PFSA must have less than 10 Mbps downstream speed and 1 Mbps upstream speed (10/1). For applicants seeking either a 100% Loan or 50% Loan/50% Grant combination must meet a threshold of 90% or more of households in the PFSA must lack sufficient access to 10/1.

SAV Approach Summary

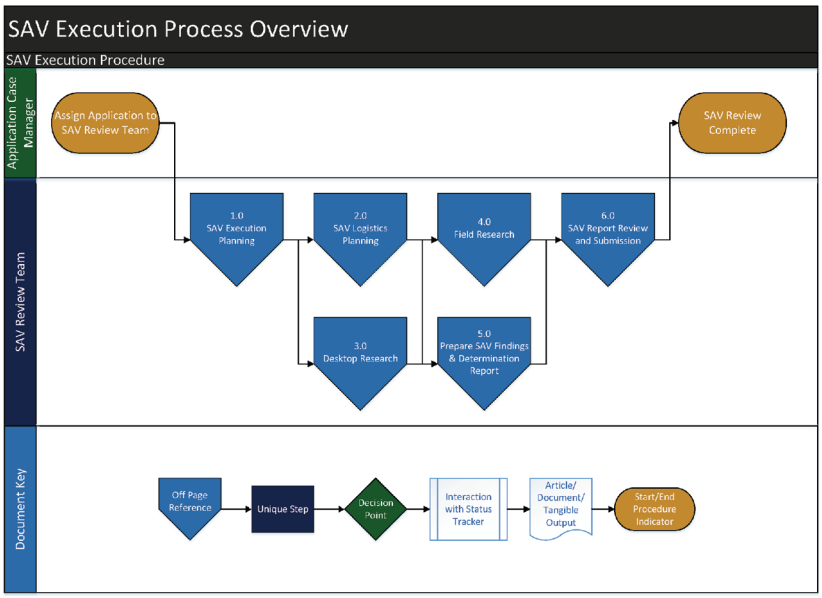
The SAV framework is a holistic approach leveraging past USDA practices followed during similar loan and grant programs. This framework is designed to apply a standardized approach to validating existing service, regardless of the availability of data and underlying characteristics for each service area included across all applications. This approach takes into consideration validation processes from the Federal Communications Commission (FCC) to assist with incumbent service provider speed determinations. Throughout the execution of SAVs, the SAV Review Team adheres to the following USDA guidance:

- The SAV Review Team is not permitted to knock on the doors of households.
- The SAV Review Team is not permitted to enter a household.
- The SAV Review Team is not permitted to use crowdsourced speed test data provided by a third-party aggregator, such as Ookla, to inform the determination of a service area.

The figure below details the SAV review process, which demonstrates notification of a SAV assignment, SAV Review Team staffing, and production and routing of the SAV determination into the application system. The determination entered into the application system shall be treated as a single component of the full application evaluated by USDA when making award decisions. This process is illustrated in **Figure 1**.



Figure 1: Illustrative Process Overview



SAV Data Collection and Field Validation Approach

To maintain consistent treatment of PFSA validations, SAV determinations are a result of four primary activities: Desktop Research, incumbent service provider speed validations, Field Research, and network calculations. Each activity includes a series of steps to collect a broad range of data points that ultimately support the overall determination. The SAV Review Team commits to the following:

1. **Desktop Research**: Examines publicly available data sources to corroborate field level findings. The research includes but is not limited to: FCC Form 477, government and non-profit geolocation datasets such as the USAC map, alternative map data validation, service providers, technologies, broadbandnow.com, Public Notice Response (PNR) specifics, local contacts, household distribution in geography, and other data sources determined as acceptable. If a PNR is not submitted for a PFSA, the SAV Review Team completes Desktop Research utilizing publicly available end-user generated speed test data from identified service providers in the area, in addition to the previously listed sources.

2. **Incumbent Service Provider Speed Validations**: Consistent with FCC processes to validate speed in wireline networks, the SAV Review Team requests and examines datasets from the PNR service provider including data generated by certain network elements or network management systems (NMSs). The request includes data during peak and non-peak network load timeframes. In the event no service provider has responded to USDA's public notice, the SAV Review Team conducts research to identify any service providers in the given PFSA and submit similar requests to those identified competitors. The SAV Review Team expects its requests may not be responded to by the service providers.

3. **Field Research**: Conducts interviews with service provider technical personnel, government officials, representatives of community anchor institutions and subscribers of the service providers. For technical personnel, the focus is on gaining a detailed understanding of the technologies providing service and the infrastructure supporting the service. For subscribers, the focus is on understanding the user perceived speed of the network. The SAV Review Team performs physical network observations in the field regardless if a PNR has or has not been submitted for a particular PFSA.

4. **Network Calculations**: Based on the technology deployed, certain high-level calculations are made to validate the sufficiency of infrastructure to support 10/1. This process is completed regardless the presence of a PNR and it is noted that information necessary to perform the calculations may not be made available by the provider(s).

Assumptions of the SAV Approach

As the SAV Review Team executes the SAV approach, several key assumptions are observed. Local community members are likely not experts in broadband capabilities and may be unable to accurately convey a locality's broadband speed. In addition, there are many links in any given data communications chain that ultimately determine speed. The SAV Review Team only evaluates the links that are under the providers control. In the event there are no other providers involved in the service delivery, the point of demarcation for evaluating the links will be where the traffic is handed off such as a Central Office or Point of Presence. The SAV Review Team is not able to evaluate any variables that may occur within the walls of a household (such as a dysfunctional router, etc.). SAV findings provide a determination on whether the service area is eligible or not in accordance to this validation process.

While the guide below details the SAV approach to all applications submitted under the ReConnect Program, each application is unique. Applications will vary across a number of variables which will determine the time and effort to complete. These include:

- The number of PFSAs;
- The size of PFSAs;
- The relative distance between PFSAs;
- The number of service providers operating in, and/or in close proximity to PFSAs;
- The number of SAV resources and staff; and,
- The availability of, and access to, data analyzed during the SAV process.



Service Area Validation Findings and Determination
For 100% Grants, the Team makes its determination in the following manner:

1. If SAV activities and data points gathered in the four activities described above suggest the service area has sufficient access to the required speed and coverage threshold, the SAV Review Team's determination states whether sufficient access to broadband exists.
2. If findings from the four activities described above suggest the service area does not have the required speed and coverage, the SAV Review Team's determination states sufficient access to broadband does not exist.

For the 50% Loan/ 50% Grant combination and 100% Loan applications, the SAV Review Team makes a determination in the same manner. Since these applications require only 90% of households lack sufficient access, the SAV Review Team determination is based on available information and data, which may need to be extrapolated out to assess the 90% threshold.

The nature of certain projects and service areas may limit the data available for analysis. Under such circumstances, the determination is based on the data available. The SAV Review Team provides USDA a report of data sources, the data captured, and a determination based on that dataset. The data points that are collected and memorialized in the SAV Findings and Determination Report, as available, for each SAV are provided in **Table 1**.

Table 1: SAV Data Points for Evaluation

Data Point	Description
In-Field Interviews	Questions and answers asked of local officials, competitor service provider technicians, the point of contact on the PNR, and citizens for a given PFSA. Questions vary depending on the persons interviewed.
Network Calculations	Transmission technology-dependent network calculations. Data is collected by Field Research Team and populated into the SAV Execution Tool. Calculation expressions are provided under 4.0, Field Research.
Network Observations	Qualitative observations of network infrastructure. If material deficiencies are observed, the Field Research Team is to record them in the SAV Execution Tool.
Other Public Data Sources	Speed test data observations collected from sources not explicitly listed in this guide.
Public Notice Response Information	Notes describing the quality and validity of claims provided in PNR responses collected by Desktop and Field Research Teams.
Service Provider Marketing Collateral	Any advertisements or public assertions of speeds delivered to customers.
Speed Test Data from Network Infrastructure	Network generated speed data requested from a provider's (non-applicant) Customer Premise Equipment (CPE), Network Management Systems (NMS), or other self-developed Transmission Control Protocol (TCP) based speed application.



Table 2 below contains a list of the various roles referenced throughout the SAV Execution Guide.

Table 2: SAV Roles

Term	Description/Definition
Application Case Manager	Member of the application review team who assigns applications to the SAV Review Team. Serves as a liaison between the application review team and the SAV Review Team.
Broadband Subject Matter Expert (SME)	Adjudicates the final SAV determination when concurrences cannot be met throughout the SAV process. The Broadband SME provides on-call advisory throughout the SAV lifecycle to various Team members as needed.
Desktop Advisor	Oversees the execution of Desktop Research activities. The Desktop Advisor is responsible for the production of initial SAV Desktop Research Report and serves as the liaison between Desktop Research Team and SAV Coordinator. Sends initial SAV Findings and Determination Report to SAV Review Lead.
Desktop Researcher	Desktop Research staff and Leads responsible for creating Desktop Research Reports for a SAV of a given PFSA. Desktop Researchers are assigned to individual SAVs with one Primary Desktop Researcher if multiple Desktop Researchers are assigned to a single SAV.
Field Researcher	Field Research staff and Leads responsible for creating Field Research Reports for a SAV of a given PFSA. Field Researchers are divided into Regionals Teams. Teams are located in Arlington, Chicago, and Seattle responsible for executing SAV Field Research in Eastern, Central, and Western states, respectively.
Primary Desktop Researcher	Supports the Desktop Advisor in the coordination of the execution of Desktop Research. Responsible for the coordination of the Desktop Research Team when multiple staff are working on a single SAV.
QC Lead	Member of the Desktop Research Team responsible for updating references, heading numbers, table and figure captions throughout the entire SAV Findings & Determination Report.
ReConnect Program Manager	USDA staff member responsible for managing the ReConnect Program.
Regional Lead	Oversees Field Research activities within their Regions and is responsible for quality assurance of Field Research activities. If unable to arrive at concurrence, the Regional Leads escalate the report to the Broadband SME for adjudication.
SAV Coordinator	Liaison between SAV Review Lead and Desktop and Field Research Teams in planning SAV research efforts.
SAV Leadership Team	Composed of the SAV Review Lead, Regional Leads, Broadband SME and SAV Coordinator, the SAV Leadership Team determines the SAV Execution Order.
SAV Review Lead	Oversees Desktop and Field Research efforts, conducts final checks on each report to ensure completeness and adherence to key report criteria.
SAV Review Team	The entire Team responsible for reviewing a SAV application consisting of: SAV Review Lead, SAV Coordinator, Broadband

Term	Description/Definition
	SME, Desktop Advisor, Desktop Research Team, and Field Research Team.

Table 3 contains a list of SAV articles, outputs, and frequently used terms in the guide.

Table 3: SAV Articles and Terminology

Term	Description/Definition
Desktop Research Report	Report assessing the eligibility of PFSAs via the claims made on an application as well as online research in order to isolate key data points and information, with details culminating in the final SAV report.
Key Network Facilities and Infrastructure	Important network buildings located in a given PFSA to be evaluated by Field Research Team on a SAV.
Local Institutions	Key institutions located in a given PFSA where broadband connectivity measurements are taken by the Field Researchers.
Notification of Assignment	Written notification in the form of an email stating a SAV has been assigned by the Case Manager to the SAV Review Team. The Notification states who is responsible for completing the assigned research by the prescribed deadline.
Notification of Incompleteness	Written notification in the form of an email to the Case Manager containing an itemized list of missing components to from the SAV review packet.
Proposed Funded Service Area (PFSA)	The area (whether all of part of an existing or new service area) where the applicant is requesting funds to provide broadband service. Multiple service areas will be treated as separate stand-alone service areas for the purpose of determining how much of the proposed funded service area does not have sufficient access to broadband. Each service area must meet the minimum requirements for the appropriate funding category to be an eligible area.
Public Notice Response (PNR)	Response to a Public Notice Filing (PNF).
SAV Checklist	A checklist of all required service area information and supporting documentation needed for SAV execution as well as a procedure checklist to be updated throughout the duration of the review to indicate which steps have been completed.
SAV Document Library	The SAV Document Library is stored on SharePoint to be used to log desktop research files and maintain the SAV Execution Tool throughout the Desktop Research Report procedure.
SAV Execution Order	Sequential order of applications and underlying PFSAs that are be validated. The SAV Execution Order also establishes a proposed SAV Execution Timeline, and key considerations and assumptions.
SAV Execution Tool	VBA-Enabled MS Excel workbook used to record findings and data compiled by Desktop Research Team and Field Research Team. This tool enables execution of a SAV and serve as the data repository from which SAV reports are generated.
SAV Field Worksheet	A checklist of the data logged by Field Researchers.

Term	Description/Definition
SAV Findings and Determination Report	Final version of the report that is sent to the Application Case Manager. The report package includes a decisive and clear eligibility determination along with key information collected throughout the SAV process that contributed to the final determination.
SAV Status Tracker	Tool within SharePoint that logs the review status of each SAV application. The SAV Status Tracker is owned by the SAV Coordinator.
Service Provider	Broadband Service Providers
Travel Itinerary and Cost Estimate	Built from the SAV Execution Tool, the Travel Itinerary and Cost Estimate is a compilation of travel information for a given SAV trip, including the location of lodging, timing of flights, and the availibility of rental cars at starting and ending destinations.



1.0 SAV Execution Planning

SAV Execution Planning marks the beginning of the SAV Review Team's involvement in the broader application review process for the ReConnect Program. In order to streamline and expedite reviews, the SAV Review Team adheres to the Execution Planning procedures illustrated below, which consider resource availability and PFSA location(s) for a given application. The procedure kicks off with a review of the service area information materials in a given application routed from the Application Case Manager and culminates with a written request to the SAV Coordinator to organize and schedule Field Research activities.

Independent Operation
When an application is assigned to the SAV Review Status SharePoint List by the Application Case Manager, the SAV Coordinator is responsible for generating the SAV Document Library and items recorded in the SAV Status Tracker List. When the SAV Coordinator changes the field "Generate Directory Structure" on the SAV Review Status SharePoint List, a SharePoint workflow is triggered, automatically creating the directory structure and status tracking record for the application.

The SAV Execution Planning process outputs are provided in Error! Reference source not found..

Table 4: SAV Execution Planning Outputs

Output Item	Required?	Description
Notification of Incompleteness	No	The SAV Coordinator provides written notification in the form of an email to the Application Case Manager and the ReConnect Program Manager containing an itemized list of missing SAV review packet components needed to execute the SAV review.
SAV Checklist	Yes	A checklist of all required service area information and supporting documentation is needed for SAV execution, as well as a procedure checklist that is updated throughout the duration of the review.
Proposed SAV Execution Order	Yes	Based on the analysis performed by the SAV Leadership Team, the SAV Coordinator develops, a priority list of when PFSAs should be validated.
Final SAV Execution Order	Yes	Upon receipt of USDA concurrence, the SAV Review Lead archives the final SAV Execution Order.
Notification of Assignment for Regional Teams	Yes	The SAV Coordinator provides written notification in the form of an email to the appropriate Regional Team stating a SAV in their region has been assigned. The Regional Team is responsible for completing the Field Research procedure by the prescribed deadline.
Notification of Assignment for Desktop Team	Yes	The SAV Coordinator provides written notification in the form of an email to the assigned Desktop Research Team stating a SAV has been assigned. It states who is responsible for completing the Desktop Research procedure by the prescribed deadline.

SAV Execution Planning Procedure

1.1 Review Service Area Information for Completeness

Resource planning begins with a review of the application associated with the PFSA assigned to the SAV Review Team's queue by the Application Case Manager. The SAV Coordinator checks that the SAV review packet contains the following:



- Applicant name and number
- Project descriptions or service area description
- Map of PFSAs and associated metadata, including:
  - Number of households,
  - Square mileage,
  - Census Data, etc.
- Competitor service offerings (no price)
- PNF and PNR package

The SAV Coordinator prepares the *SAV Checklist,* as shown in **Table 5** below, that is included as an attachment in the *Notification of Assignments for Desktop Research and Regional Teams*.

Table 5: SAV Checklist

Item	Observations					
Master Checklist	**Complete?**				**Initial**	**Date**
SAV Review Package received?	[Yes or No]					
SAV Execution Order established?	[Yes or No]					
Travel authorized?	[Yes or No]					
Field logistics finalized?	[Yes or No]					
Desktop Research complete?	[Yes or No]					
Field Research complete?	[Yes or No]					
Determination made?	[Yes or No]					
Quality Check complete?	[Yes or No]					
Concurrence/approval on determination?	[Yes or No]					
SAV report submitted?	[Yes or No]					
Data archived?	[Yes or No]					
Desktop Research Checklist (for each PFSA)	**Competitive Service Provider review complete?**	**Speed Test complete?**	**PNR review complete?**	**Local Contact Information complete?**	**Initial**	**Date**
[PFSA Name]	[Yes or No]	[Yes or No]	[Yes or No]	[Yes or No]		



Item	Observations					
[PFSA Name]	[Yes or No]	[Yes or No]	[Yes or No]	[Yes or No]		
Field Research Checklist (for each PFSA)	**Field Research complete?**		**Eligibility determination**	**Initial**	**Date**	
[PFSA Name]	[Yes or No]		[Eligible or Ineligible]			
[PFSA Name]	[Yes or No]		[Eligible or Ineligible]			

1.1.1 Decision Point—Service Area Information Sufficiently Complete?

If the review packet associated with the PFSA under review is incomplete or missing service area information needed to conduct the SAV, the SAV Coordinator with the support of the SAV Review Lead proceeds to step **1.1.2**. If the service area information is sufficiently "complete" and contains the minimum required information, data, and documentation to execute the SAV, the SAV Coordinator proceeds to step **1.1.21.1.3**.

1.1.2 Obtain Missing Service Area Information From Case Manager

If the SAV Coordinator determines there are missing items needed for SAV execution, the SAV Coordinator prepares the *Notification of Incompleteness* and promptly routes the notice to the Application Case Manager and the ReConnect Program Manager. The notification must contain an itemized list of missing service area materials, information, and data. The SAV Coordinator includes any additional materials, information, and data obtained as a result of the completeness check as supplemental attachments to the *SAV Findings and Determination Report* and ensures the materials are archived in the application-specific folder on SharePoint. In the event that the Application Case Manager does not have additional materials to provide, then the SAV Review packet is incomplete and the ReConnect Program is notified.

1.1.3 Identify PFSA Region

After the completeness check has been processed, the SAV Coordinator determines the region in which the PFSAs for a given application is located. To improve efficiency and reduce review time, the country has been stratified into three distinct regions that are within reasonable travel time of the regional home offices. **Table 6** provides an itemized list of U.S. states and territories that constitute each region.

Table 6: Regional Stratification of U.S. States

West	Central	East
Alaska	Arkansas	Alabama
Arizona	Colorado	Connecticut
California	Illinois	Delaware
Hawaii	Iowa	Florida
Idaho	Kansas	Georgia
Nevada	Louisiana	Indiana

West	Central	East
Oregon	Minnesota	Kentucky
Utah	Mississippi	Maine
Washington	Missouri	Maryland
American Samoa*	Montana	Massachusetts
Guam*	Nebraska	Michigan
Northern Mariana Islands*	New Mexico	New Hampshire
	North Dakota	New Jersey
	Oklahoma	New York
	South Dakota	North Carolina
	Texas	Ohio
	Wisconsin	Pennsylvania
	Wyoming	Rhode Island
		South Carolina
		Tennessee
		Vermont
		Virginia
		West Virginia
		Puerto Rico*
		U.S. Virgin Islands*

*U.S. territories will only receive a SAV after a complete review of the application.

1.2 Analyze PFSAs for Priority Ranking

Once the application region has been identified, the SAV Review Lead, SAV Coordinator, Desktop Advisor, Regional Lead, and Broadband SME analyze the cohort of applications and underlying PFSAs to determine a proposed priority ranking for a *SAV Execution Order*. Collectively, the SAV Leadership Team considers the total number of square miles, population density, score number of PFSAs and relative proximity to one another to determine an ordering in which PFSAs are validated.

As 100% loan applications are submitted and reviewed on a rolling, first-come, first-serve basis, the analysis excludes 100% loan applications from the ranking. Upon receipt of 100% loan applications, the SAV Review Lead proposes a start and end date to conduct the SAV for the loan application around the time when other SAVs are conducted in nearby areas.

1.3 Propose Application and SAV Execution Order

Once the SAV Leadership Team has prepared the *SAV Execution Order*, the SAV Review Lead routes the proposal to USDA for concurrence reviews. The SAV Review Lead may set up meetings with USDA stakeholders to explain assumptions underlying the proposal and address any questions. A proposed *SAV Execution Order* includes the items provided in **Table 7.**

Table 7: Proposed SAV Execution Order Package

Proposal Item	Required?	Description
Proposed SAV Execution Order	Yes	Based on an analysis performed by the SAV Review Team, PFSAs are listed in order of priority and batched into groups.

Proposal Item	Required?	Description
Proposed SAV Execution Timeline	Yes	A Gantt chart illustrating the proposed processing of applications given the proposed priority ranking. If service areas for multiple applications are addressed in a single visit, the timeline illustrates clusters of applications.
Key Considerations and Assumptions	Yes	The SAV Review Team includes any and all assumptions used to support the proposal.

1.3.1 Decision Point—Concur on SAV Execution Order?

Upon receipt of the proposed *SAV Execution Order*, USDA reviews the proposal and provides concurrence. If the USDA objects to the proposal, the SAV Review Team, led by the SAV Review Lead, adjusts the proposal accordingly until concurrence is achieved by proceeding back to step **1.2**. Once concurrence is achieved, the SAV Coordinator archives the final *SAV Execution Order* as described under step **1.4**.

1.4 Archive Final SAV Execution Order and Update SAV Checklist

Once concurrence from USDA is obtained, the SAV Coordinator archives the final *SAV Execution Order* in the SAV Document Library on SharePoint and updates the *SAV Checklist*.

1.5 Send Notifications of Assignments to Regional Leads and Desktop Research Team

Upon receipt of concurrence from the USDA, the SAV Coordinator prepares the *Notification of Assignment for the [Identified] Regional Team* and the *Notification of Assignment for Desktop Research Team*. The notifications are prepared in email format and routed to the appropriate Teams stating which applications and underlying PFSAs they are responsible for validating. Furthermore, these notifications include the estimated completion dates for each SAV. The notifications of assignments should be prepared and delivered upon receipt of concurrence from USDA on the final *SAV Execution Order*. The information, items and data provided in Error! Reference source not found. are included in the notification message. Additionally, all official communications, including emails, are archived in the SAV Document Library for audit purposes.

Table 8: Notification of Assignments Package

Notification Materials	Required?	Description
A PDF of the application associated with the PFSA assigned for review	Yes	The application PDF provided by the case manager, available in the SAV Review queue.
Application number	Yes	The ReConnect application number.
Common name of the applicant	Yes	The common name of the applicant as provided in the application.
PFSA location details	Yes	PFSA location details include the following at a minimum: • State • Number of households • Population center

Notification Materials	Required?	Description
		• Counties (as available) • Zip codes (as available) • Geographic coordinates (as available)
SAV Checklist	Yes	A checklist of all required service area information and supporting documentation needed for SAV execution.
Additional materials acquired during the completeness check	As Available	All additional information, materials, and data acquired from the Case Manager as a result of the completeness check.
PNR Status	Yes	An indication of the status and availability of a PNR submitted in response to the PNF for the PFSA under review. If a PNR has been submitted, all PNR materials are included as attachments in the notification delivery.
Desktop and Field Research start and end dates	Yes	The start and end dates for which the Desktop and Field Research is to be completed as provided by the SAV Review Lead in SharePoint.
Regional Team Contact Information	Yes	Email addresses and mobile phone numbers for the Field Research staff operating in the appropriate region.
SAV Document Library File Path	Yes	The location of the SAV Document Library on SharePoint.

1.6 Log Assignment

Upon receipt of the *Notification of Assignment for the Regional Team*, the Regional Lead logs the *Notification of Assignment* in the SAV Document Library.

1.6.1 Decision Point—Does the Volume of Applications Warrant Changes in Current Staffing Levels?

Based on the number of applications received for a given funding category, the Regional Team determines whether current staffing levels are sufficient to conduct all SAVs in the timeline established by USDA. If additional resources are needed, the SAV Review Lead and Regional Team proceed to step **1.6.2**. If additional resources are not needed to execute the SAVs, the SAV Review Lead and Regional Team proceed to step **1.7**.

1.6.2 Allocate Additional Resources & Schedule Training Sessions

If the need for additional resources is required to succesfully complete all SAVs, the SAV Review Lead and Regional Team procure additional resources and schedule training. Additional resources meet the qualifications approved by USDA and complete the training before deployment. The SAV Review Lead and Regional Team may proceed to step Error! Reference source not found. without having fully on-boarded and trained new Field Research staff, but onboarding and training must be completed before the estimated Field Research start date.

1.7 Update Status Tracker

After the SAV assignments have been routed to the Regional Leads, and the need for additional Field Research staff has been determined, the SAV Coordinator updates the SAV Status Tracker



for each application, documenting the anticipated start and end dates of Desktop and Field Research.



2.0 SAV Logistics Planning

Field Research scheduling procedures are designed to increase efficiency and enable the Regional Teams to sync with the Desktop Research staff and SAV Coordinator as the Field Research staff prepare to enter the field. Scheduling Field Research activities must be preceded by successful completion of the Execution Planning procedure described in section **1.0**, but the scheduling of these activities can be executed concurrently with the Desktop Research procedure described in section **3.0**. In order to streamline and expedite reviews, the SAV Coordinator, SAV Review Lead, and applicable Regional Team adhere to the procedure below which is designed to ensure efficiency in the execution of the SAVs and compliance with federal travel regulations. The procedure kicks off with approval from USDA on the *SAV Execution Order* and culminates with a suggested travel itinerary and cost estimate.

2.1 Receive and Review SAV Execution Order

Once concurrence on the *SAV Execution Order* has been obtained from the USDA, the SAV Review Lead routes the order to the SAV Coordinator. The SAV Coordinator acknowledges receipt, indicating the request from the SAV Review Lead is in process.

In order to assist the Field Research staff with their reviews, the SAV Coordinator reviews the *SAV Execution Order* to determine the most cost/time efficient routes for conducting validations in the PFSAs. Equipped with the *SAV Execution Order*, the SAV Coordinator considers the locations of specific areas within PFSAs, their relative distance to one another, and the estimated travel time from one PFSA to another in the approved priority order. This analysis serves as a critical input to developing the draft travel itinerary and cost estimate as described under step **2.3**. The SAV Coordinator may solicit the Desktop Research Team and Regional Team Lead in this review of PFSAs.

2.2 Identify Travel Logistics

Upon review of the *SAV Execution Order* and the locations of areas within a PFSA within an application, the SAV Coordinator determines if it is faster to drive or fly from one PFSA to the next. For Field Research activities that require air travel within a given market, the SAV Coordinator identifies regional and/or national airports within close proximity to PFSAs to be reviewed. Given the priority ranking and sequencing of application processing, the SAV Coordinator suggests preferred airports and locations of lodging.

2.3 Prepare Draft Travel Itinerary and Cost Estimate

After the *SAV Execution Order* has been determined and whether there is a need to fly to particular locations during a deployment, the SAV Coordinator prepares the draft travel itinerary and cost estimate for the Regional Team's Field Research activities. This itinerary includes the airport the Regional Team must fly in and out of, location for potential lodging facilities, and the applicable U.S General Services Administration (GSA) per diem rates. Once this is prepared, the SAV Coordinator ensures all pre-travel authorizations are completed prior to step **2.4**.



Table 9: Draft Travel Itinerary Items

Itinerary Items	Required?	Description
Sequential ordering of airports and travel dates thereto	Yes	Based on the *SAV Execution Order* approved by USDA, the SAV Coordinator prepares a list of locations, highlighting key considerations, airports, and dates in sequential order.
Location of lodging facilities	Yes	For each trip, the SAV Coordinator identifies general locations of lodging facilities in which Field Researchers can obtain overnight accommodations.
Per Diem Rates	Yes	Based on the GSA tax jurisdictions identified by the SAV Coordinator, the appropriate rates are added to the draft itinerary for the Regional Team's awareness.

2.4 Route Draft Itinerary to Regional Team for Booking

Upon approval from the D.C. office, the SAV Coordinator routes the draft itinerary to the assigned Regional Team for booking. **Table 9** above provides the materials to be shared with the Regional Team.

2.5 Book Travel

Upon receipt of the draft itinerary from the SAV Coordinator, the Regional Team books their travel arrangments. Travel arrangements are booked at the lowest available rate at the time of booking, unless the lowest available fares and rates do not allow the Regional Team to meet the mission objectives and timelines. In order to give assurance of lowest available rates on flights and car rentals, the individual booking travel provides documentation. If a flight not at lowest cost is being considered, the Regional Team must return to the SAV Coordinator for approval. Additional justification is provided for why the higher cost is appropriate to meet the mission objectives and timelines.

2.6 Route Booked Travel Itinerary to SAV Coordinator

Once the Regional Team has received confirmation of their travel bookings, they route the final itinerary to the SAV Coordinator.

2.7 Archive Final Itinerary, Update SAV Checklist and Notify SAV Review Lead

The SAV Coordinator promptly archives the final, booked itinerary obtained from the Regional Team, and provides written notification via email to the SAV Review Lead, indicating that travel arrangements have been confirmed. The SAV Coordinator also updates the *SAV Checklist* indicating step **2.0** is complete. **Table 10** contains the materials and information to be included in the Final Itinerary package.

Table 10: Final Itinerary

Itinerary Items	Required?	Description
Final itinerary	Yes	Based on the *SAV Execution Order* approved by USDA, the SAV Coordinator prepares a list of locations, highlighting key considerations, airports, lodging facilities, and dates in sequential order.
Applications to be reviewed during the trip	Yes	If all PFSAs for a given application are validated during this trip, the SAV Coordinator provides that information. PFSAs may be

Itinerary Items	Required?	Description
		completed in various trips depending on the geographic locations and the number of PFSAs.



3.0 Desktop Research

Desktop Research activities serve as a core SAV exercise. The objective of Desktop Research is to assess the eligibility of PFSAs via the claims made on the application as well as online research in order to isolate key data points and information. The outputs of this procedure are considered by the Field Research Team as they perform the procedure described under section **4.0**, Field Research. This procedure begins with the creation of application directories on SharePoint and culminates with the production of the *Desktop Research Report*.

Desktop Research Procedure

3.1 Initiate Desktop Research and Conduct Data Collection

Once the SAV Document Library for the application is added to SharePoint, the Desktop Researchers assigned to the review begin Desktop Research activities. Using the information provided in the application materials and *Notification of Assignment for Desktop Research Team*, the Desktop Research Team starts populating the *SAV Execution Tool*. The data provided is pulled into the draft *Desktop Research Report*, prepared during procedure **5.0**, Prepare *SAV Findings and Determination Report*.

The Desktop Researcher(s) assigned to the application work collaboratively to locate and record the Desktop Research findings. If multiple Desktop Researchers are assigned to an application, Desktop Researchers upload the *SAV Execution Tool* to SharePoint as a way to hand off the tool to one another. If Desktop Research takes multiple days, the SAV Execution Tool the Desktop Researcher uploads the *SAV Execution Tool* to SharePoint at the end of each day. If the Desktop Research Team believes the findings suggest a service area is ineligible based on the data found through Desktop Research, they are to alert the SAV Review Lead, who coordinates with USDA and the application review team.

Table 11 lists the summary of Desktop Research findings for an application, produced in the Desktop Research *SAV Execution Tool*.

Table 11: Desktop Research Data Fields

Field	Observation Description
SAV Review Lead	[Last Name, First Name, (Credential)]
Desktop Researcher	[Last Name, First Name, (Credential)]
Desktop Researcher	[Last Name, First Name, (Credential)]
Application Name (Number)	[As provided on the Application]
Common Name of the Borrower	[As provided on the Application]
State(s)	[As provided on the Application]
Funding Category	[As provided on the Application]
Total Number of PFSAs	[As provided on the Application]

Field	Observation Description
Proposed Geographic Footprint	[Total Square Miles]
Preliminary Eligibility Determination	["Eligible" or "Ineligible"]
Desktop Research Summary of Findings	[Free form text response justifying eligibility finding]

Desktop Research activities include four main components: review PNR submissions, identify contact information for local stakeholders, research publicly available speed test data, and identify compeitor service providers.

3.1.1 Decision Point—Was a PNR Submitted for any PFSAs?

If a PNR was submitted, the Desktop Research Team proceeds to step **3.1.2**. If no PNR was submitted, the Desktop Research Team proceeds to step **3.1.3**.

3.1.2 Execute PNR Evaluation Procedure for the PFSA

Upon receipt of the PNR for a given application, the Desktop Research Team validates the claims provided by the PNR respondent. To complete this step, the Desktop Research Team:

1. Contacts the respondent: The Desktop Research Team may make up to three attempts to get in contact with the respondent. During this step, the Desktop Research Team confirms the information provided in the PNR with a representative of the respondent service provider and collects any missing information from blank fields on the PNR. The Desktop Research Team records any claims that contradict information provided in the PNR and inquires as to why these claims should be considered over the original claims provided in the PNR. If the call is with another representative other than the point of contact (POC) listed on the PNR, the Desktop Research Team verifies the contradictions with the designated POC. Once the contact is complete, the Desktop Research Team archives materials and data collected during the call in the SAV Execution Tool and SAV Document Library. Desktop Researchers confirm the following during PNR review:
    a. Respondent (service provider)
    b. Upload and download speeds (Mbps)
    c. Service offerings and types
    d. Number and location of residential customers (households) claimed to have sufficient access to broadband within the PFSA
    e. Subscriber count
    f. Square miles
2. Collects contact information for Field Researchers to schedule and conduct field interviews with representatives of the respondents.
3. Cross-references the claims against publicly available speed test data as described under step **3.1.4**.



3.1.3 Prepare Local Stakeholder List

During this step, the Desktop Research Team researches local insitutions, locations of key network facilities and infrastructure, the physical addresses of the non-applicant service providers located in a given PFSA, and other locations that may be visited during Field Research. See Appendix "X" [will be updated upon completion of Appendices] for a suggested list of local stakeholders to look for and identify in PFSAs.

Once the PFSA location details have been identified, the Desktop Research Team reviews the application materials to identify PFSA stakeholders. PFSA stakeholders may include technicians from service providers, operating in the PFSA or in areas that are located in close proximity to the PFSA boundaries, local government or municipality officials operating in the PFSA, and other service providers operating in close proximity to the PFSA identified through Desktop Research. State Broadband Coordinators or other representatives from the Governor's office are local stakeholders that must be identified and contacted to inform them of Field Research activities that will take place.

Generally, the people identified during this step serve as resources that can corroborate or opine on the access to service and claims made in the application regarding speed and coverage in the PFSA. The Desktop Research Team is responsible for finalizing the list of contact information which is included in the draft *Desktop Research Report*. Addresses of local stakeholders may also be helpful while conducting research on publicly available speed test data.

3.1.4 Research Publicly Available Speed Test Data

Table 12 summarizes the data observations caputured when the Desktop Research staff review third party publicly available speed test data for a particular PFSA for a given application.

Table 12: Speed Test Data Provider Fields

Form	Information Collected
3rd Party Speed Test Data Observations	
M-Lab	• PFSA Observed • Search Location Details • Service Provider Name • Download Speed (last 3 months) • Upload Speed (last 3 months) • URL • Notes • Finding



Form	Information Collected
USAC	• PFSA Observed • Search Location Details • Service Provider Name • Download Speed • Upload Speed • Longitude • Latitude • URL • Notes • Finding
BroadbandNow.com	• PFSA Observed • Zip Code Search • Service Provider Name • Download Speed (Past month) • URL • Notes • Finding
FCC Form 477	• PFSA Observed • Search Location Details • Service Provider Name • Download Speed (Most recent) • Upload Speed (Most recent) • URL • Notes • Finding
I3 Connectivity Explorer	• PFSA Observed • County Searched • Download Speed • Upload Speed • % of Blocks without providers at 10/1 or faster • % of Blocks with at least one provider at 10/1 or faster • URL • Notes • Finding

Desktop Research staff are to adhere to the following procedures when reviewing the publicly available broadband speed test data provider wesites. All Desktop Research findings are recorded in the *SAV Execution Tool*.

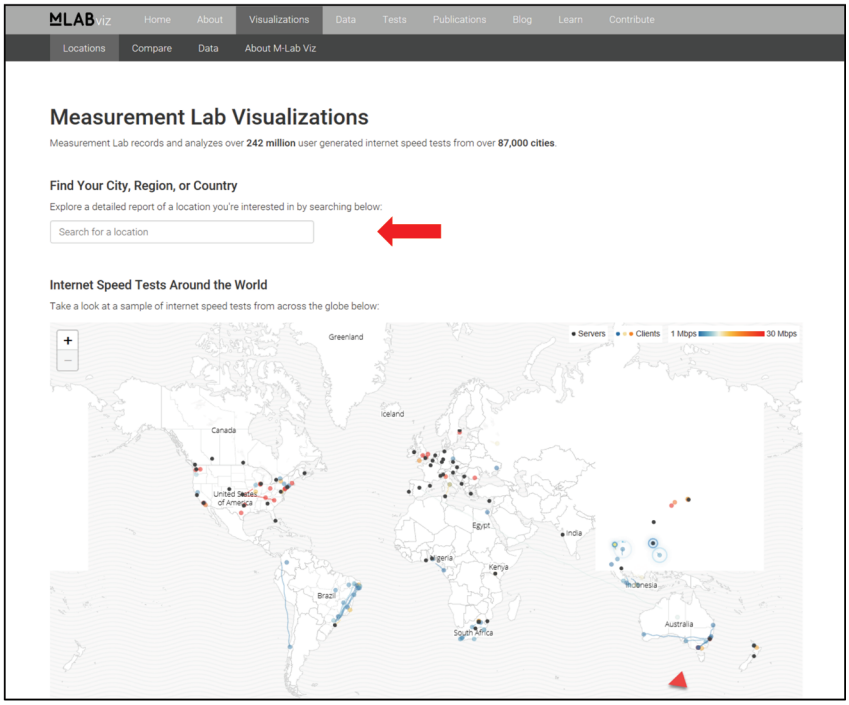
1—M-Lab

1. Navigate to M-Lab via the hyperlink: https://viz.measurementlab.net

2. Once in the webpage, select Locations from the top menu. This page allows you to search by City, Region, or Country to obtain a detailed report of the selected location. Desktop Researcher selects an appropriate location within the PFSA, such as large population

centers, to conduct this search. Parameters for selection include population centers, towns, zip codes, etc. Desktop Researchers may select multiple locations to search if the size or irregularity of PFSA shape dictates the need for multiple search areas.

Figure 2: M-Lab Locations Sub-Page Illustration

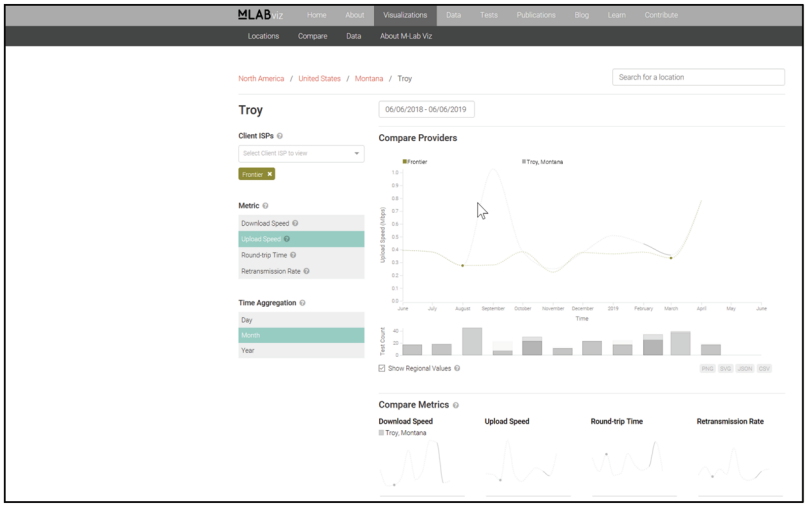


3. Speed time can be calculated by the hour and reviewed from as far back as a year. The Desktop Research Team should evaluate speeds during peak times, between 5pm and 11pm local time. The metrics can also be compared in intervals and can include different client service providers. **Figure 3** through **Figure 5** illustrate a case example walkthrough.

Figure 3: M-Lab Speed Observations



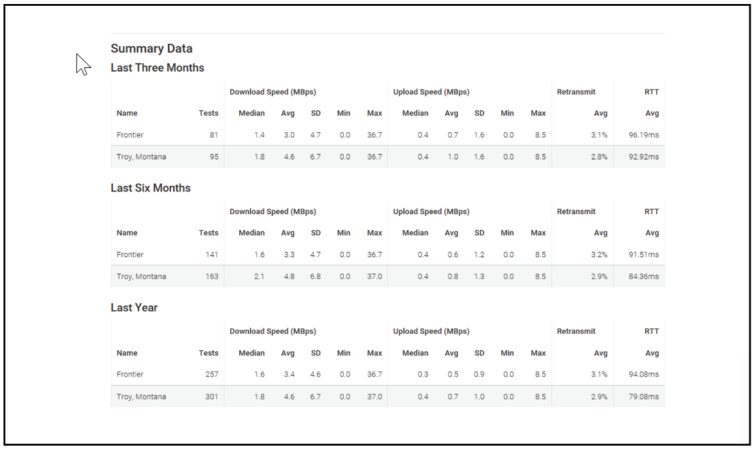
Figure 4: Additional M-Lab Speed Observations



4. Once the location is designated, a detailed comparison summary is provided at the end of the report. This report contains tested download/upload speed averages over the course of a year as shown in **Figure 5**.



Figure 5: Historical Download and Upload Speeds



Summary Data

Last Three Months

		Download Speed (MBps)					Upload Speed (MBps)					Retransmit	RTT
Name	Tests	Median	Avg	SD	Min	Max	Median	Avg	SD	Min	Max	Avg	Avg
Frontier	81	1.4	3.0	4.7	0.0	36.7	0.4	0.7	1.6	0.0	8.5	3.1%	96.19ms
Troy, Montana	95	1.8	4.6	6.7	0.0	36.7	0.4	1.0	1.6	0.0	8.5	2.8%	92.92ms

Last Six Months

		Download Speed (MBps)					Upload Speed (MBps)					Retransmit	RTT
Name	Tests	Median	Avg	SD	Min	Max	Median	Avg	SD	Min	Max	Avg	Avg
Frontier	141	1.6	3.3	4.7	0.0	36.7	0.4	0.6	1.2	0.0	8.5	3.2%	91.51ms
Troy, Montana	163	2.1	4.8	6.8	0.0	37.0	0.4	0.8	1.3	0.0	8.5	2.9%	84.36ms

Last Year

		Download Speed (MBps)					Upload Speed (MBps)					Retransmit	RTT
Name	Tests	Median	Avg	SD	Min	Max	Median	Avg	SD	Min	Max	Avg	Avg
Frontier	257	1.6	3.4	4.6	0.0	36.7	0.3	0.5	0.9	0.0	8.5	3.1%	94.08ms
Troy, Montana	301	1.8	4.6	6.7	0.0	37.0	0.4	0.7	1.0	0.0	8.5	2.9%	79.08ms

5. For each location observed on M-Lab, users enter the median observed upload and download speeds for the preceding 3 months for each service provider. The Desktop Research Team also documents the URL for the web pages observed in the SAV Execution Tool. In the event no service provider is listed, the Desktop Researcher enters "no provider" in the appropriate field in *SAV Execution Tool* and explain in the notes section.

6. Desktop Researchers may reference *the SAV Execution Tool User Guide* for additional guidance on data entry.

7. Take screen shots of the website and save the screenshots to the application folder of the SharePoint site.

2—USAC

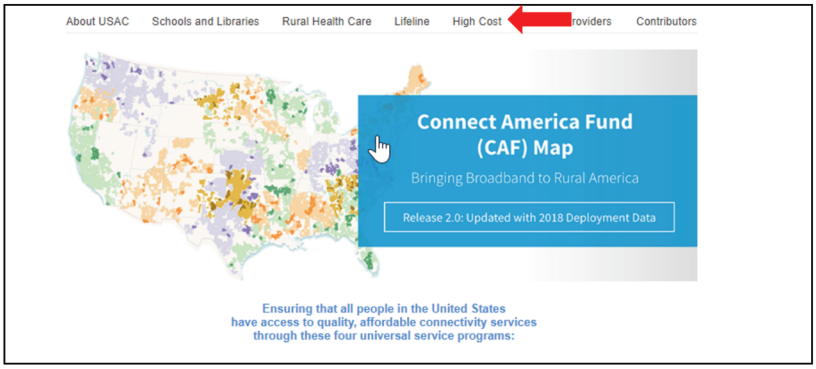
1. Navigate to the USAC website https://www.usac.org/

2. Click the "Connect America Fund (CAF) Map" link featured at the top of the webpage.

    a. Navigate to the "High Cost" link at the top of the USAC home page as shown in **Figure 6**.



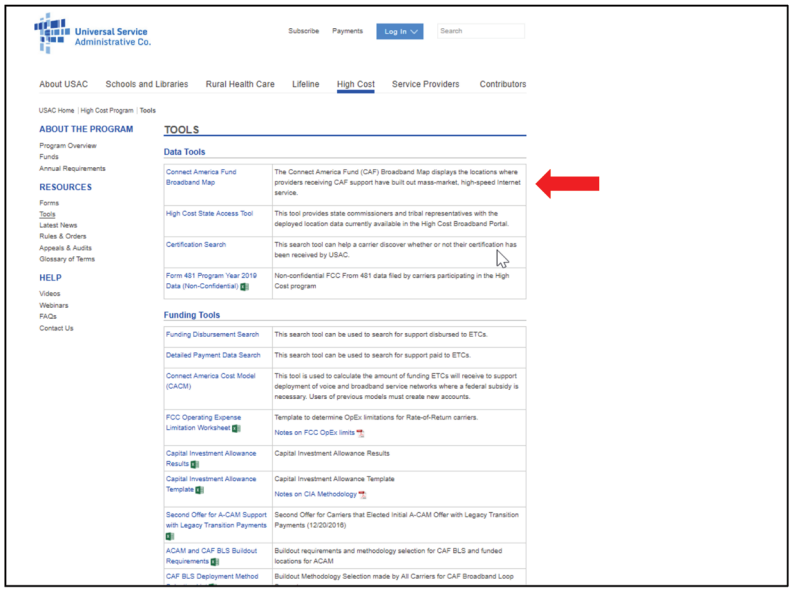
Figure 6: Accessing USAC Speed Test Data



b. Click the "Connect America Fund Broadband Map" link, under the Data Tools section. Once the map appears, search by state then zoom in further to find the PFSA to be observed.

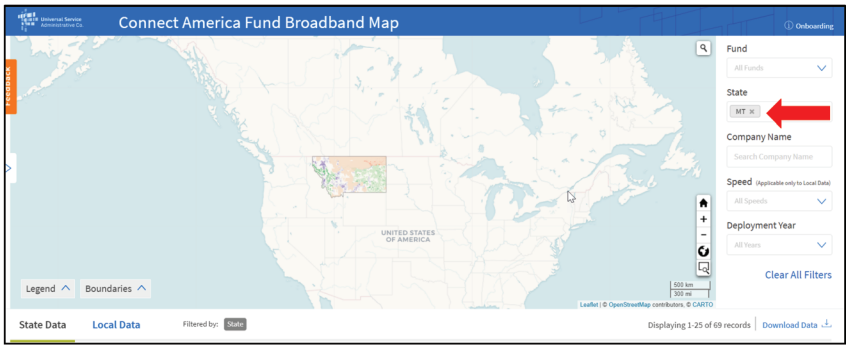


Figure 7: The Connect America Fund Map



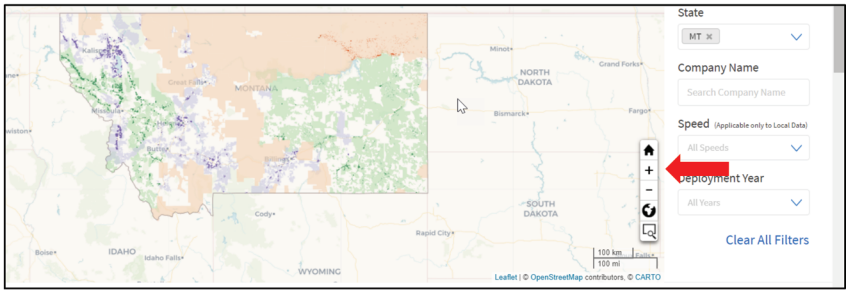
c. Navigate to the State drop-down menu located on the right side of the page, click and select the appropriate state for location details: in this example, MT.

Figure 8: Filter by State



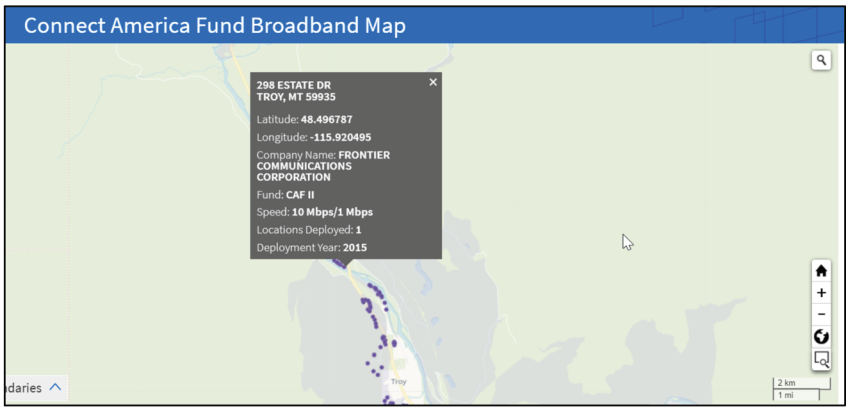
d. Click on the desired region of the map in which the PFSA/county/zip code lies, then click the zoom "+" button on the map to zoom into the region.

Figure 9: Zoom into Desired Region



e. Once zoomed in, click on any of the colored dots, representing "deployed locations," in the PFSA/county/zip code to determine the download speeds.

Figure 10: Service Area Details



f. Add the observed download and upload speeds to the fields in the SAV Execution Tool.

3. Desktop Researchers may reference *the SAV Execution Tool User Guide* for additional guidance on data entry.

4. Take a screen shot of the map on the website and save the screenshot to the application folder of the SharePoint site.

3—BroadbandNow.com

1. Navigate to https://broadbandnow.com
2. Input the zip code for the desired region in the zip code search field on the home page. In this example, add 59935 as the zip code for Troy, Montana.

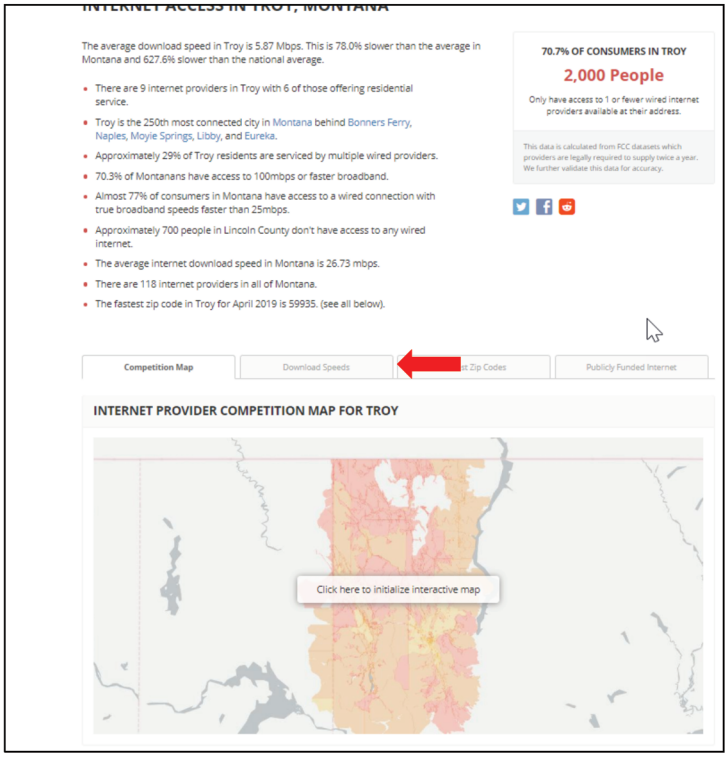
Figure 11: Search by Zip Code



3. Scroll down to the bottom of the page to observe maps, internet speeds by internet service provider, and a summary of internet statistics for the region.
    a. Click the "Download Speeds" tab located above the "Interactive Competition Map."



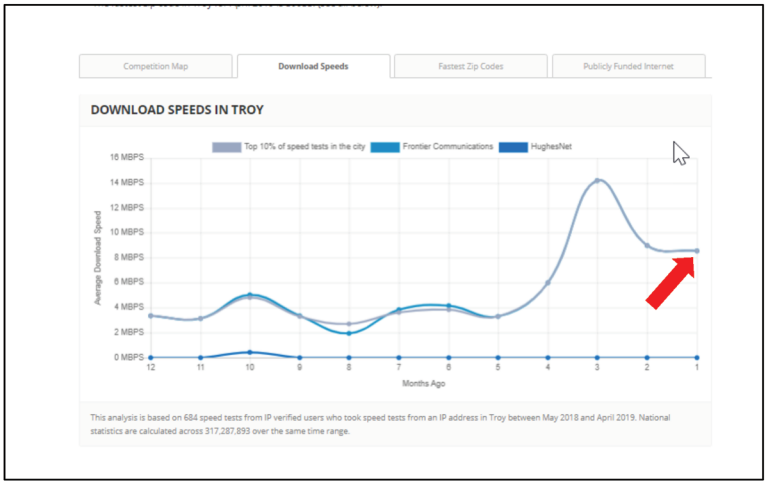
Figure 12: Locate Download Speed Details



b. Observe the graph and statistics. Record the most recent average download speed in the SAV Execution Tool.



Figure 13: Most Recent Download Speeds



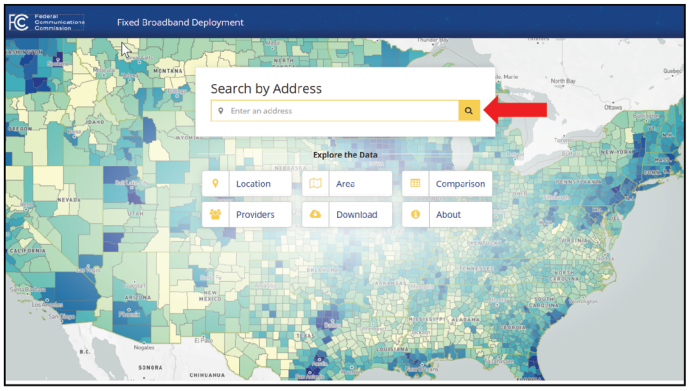
4. Document the service providers found on the website to identify contacts for Field Research activities.
5. Desktop Researchers may reference *the SAV Execution Tool User Guide* for additional guidance on data entry.
6. Take a screen shot of the results and charts, then save them in the application folder of the SharePoint site.

4—FCC Form 477

1. Navigate to the Federal Communications Commission (FCC.gov) website:
    a. https://broadbandmap.fcc.gov/#/
    b. *Note: Internet Explorer may work best for the necessary functionality*
2. Search for the PFSA location as shown in **Figure 14**.



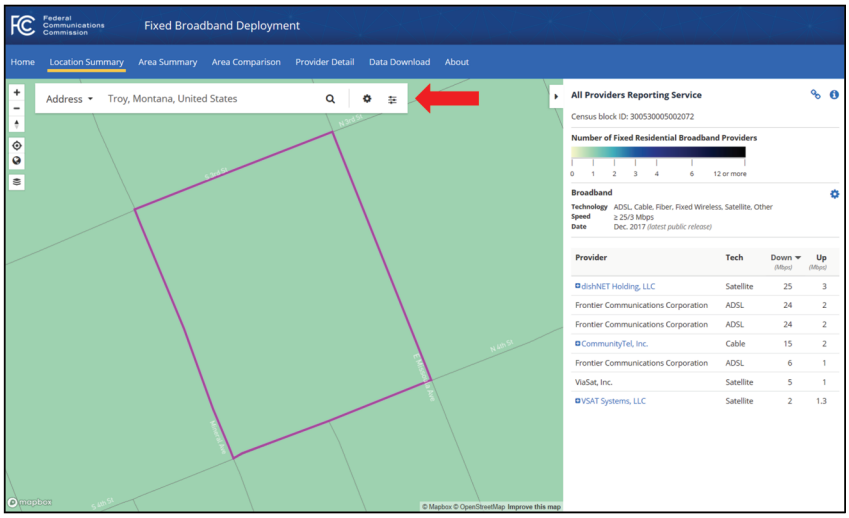
Figure 14: Search by Address



3. After the search is complete, the speeds are generated in the Location Summary tab shown in **Figure 15**: Location Summary. In this section, users can see additional information, including the broadband providers, Technology type, and comparison of their speeds. Users can also filter for download and upload speeds by selecting the gear icon shown below.



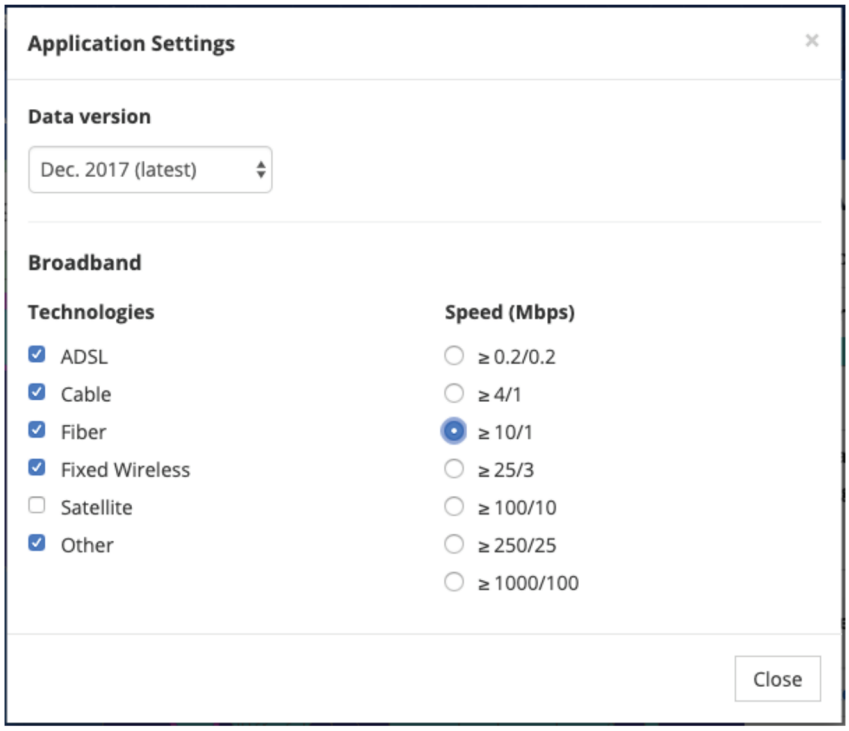
Figure 15: Location Summary



4. Filter for the 10/1 Mbps speeds in the area as seen in **Figure 16**.



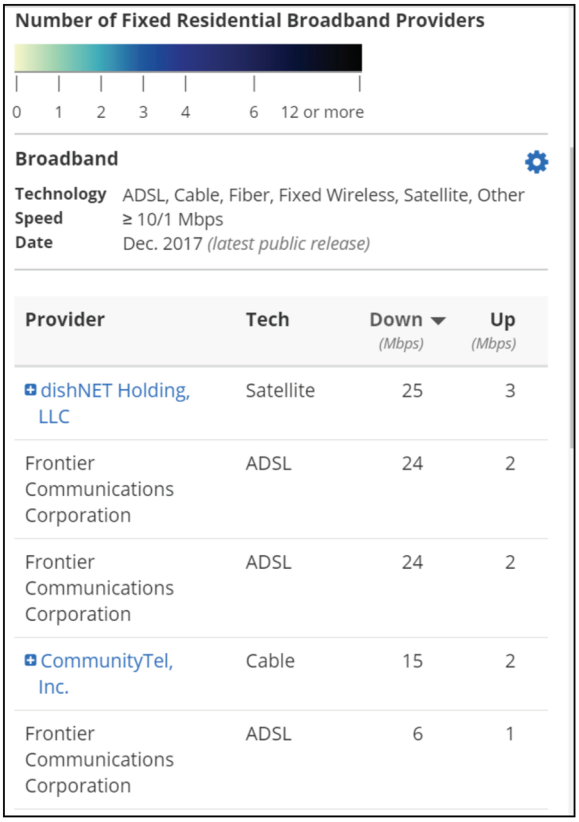
Figure 16: Filter by Speed



5. Observe the download speed and upload speed in the "Download/Upload" fields as shown in **Figure 17** and record the findings by service provider in the appropriate user form in the *SAV Execution Tool*.



Figure 17: FCC Form 477 Service Provider Results



6. Desktop Researchers may reference *the SAV Execution Tool User Guide* for additional guidance on data entry.

7. Take screenshots of findings and save in the appropriate application folder on SharePoint.

5—i3 Connectivity Explorer

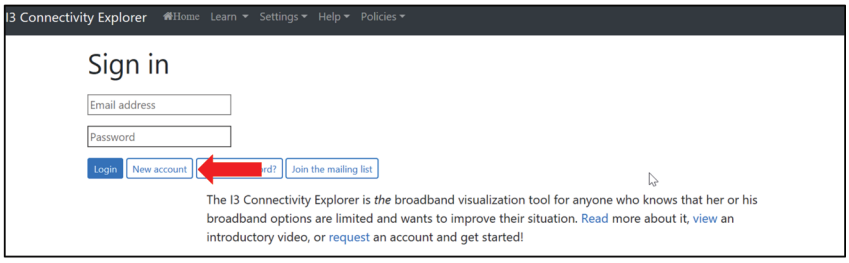
1. Creating your i3 Connectivity Explorer Account.



a. Navigate to https://i3cex.internet-is-infrastructure.org/sessions/new

2. Create a new user account by clicking the "New account" button.

Figure 18: Create your i3 Connectivity Account

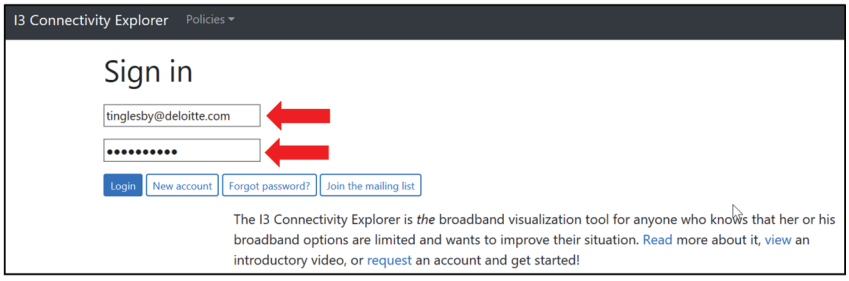


a. Provide the appropriate information to create a new username.

b. A confirmation is sent to the new user's email. Follow the instructions provided in the email to gain access to the new account.

c. Enter username and password to log in and access the site.

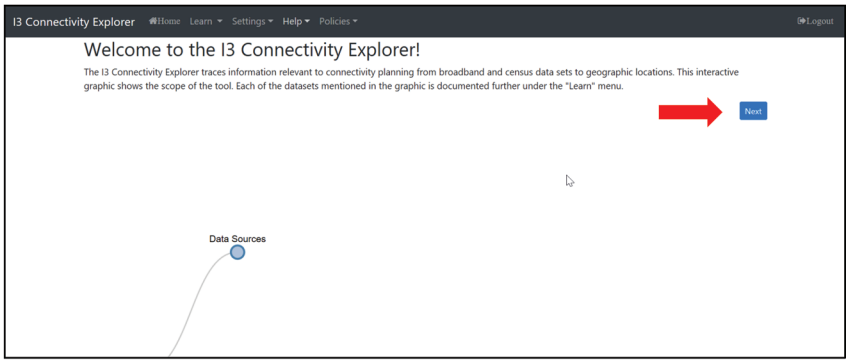
Figure 19: i3 Login Prompt



3. Click the blue "Next" button located on the right side of the screen shown in **Figure 20**.

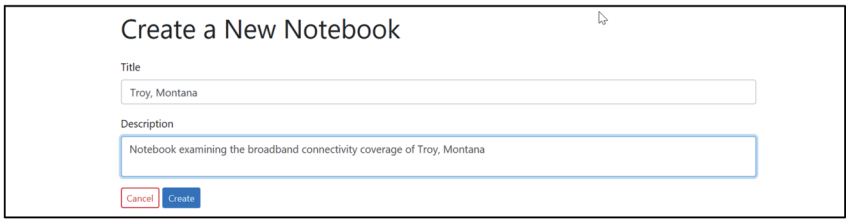


Figure 20: Navigating the Site



4. Provide a title and description of the notebook, preferably denotative of the location of the PFSA and associated application.

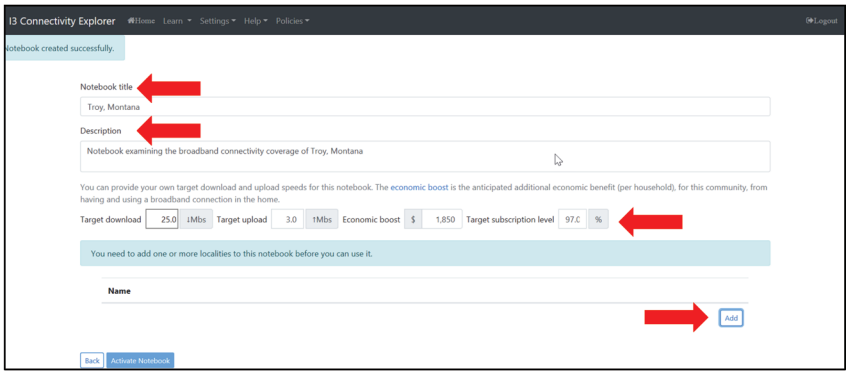
Figure 21: Create New Workbook



5. On the next page, click the "Add" button located on the bottom right-hand section of the screen to add the appropriate geographic locality.

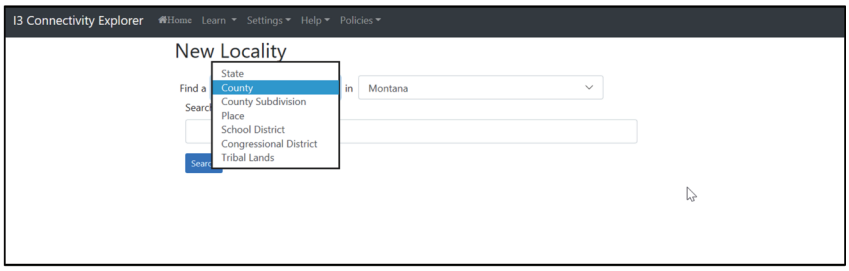


Figure 22: Populate PFSA Details



6. On the next page, click the two drop down menus to specify the appropriate state and type of locality.

Figure 23: Select Locality Type for Observation

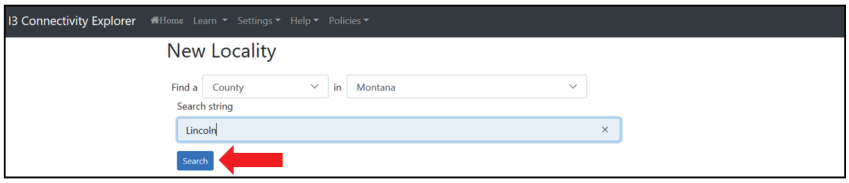


7. In the "Search string" box, above the blue "Search" button, provide information pertaining to the appropriate locality. In the present example, provide the county in which the PFSA is located (Lincoln County).

8. Once the Locality Type, State, and Search string have been specified, click the blue "Search" button below to search for the desired locality in that state: in this example, Montana.

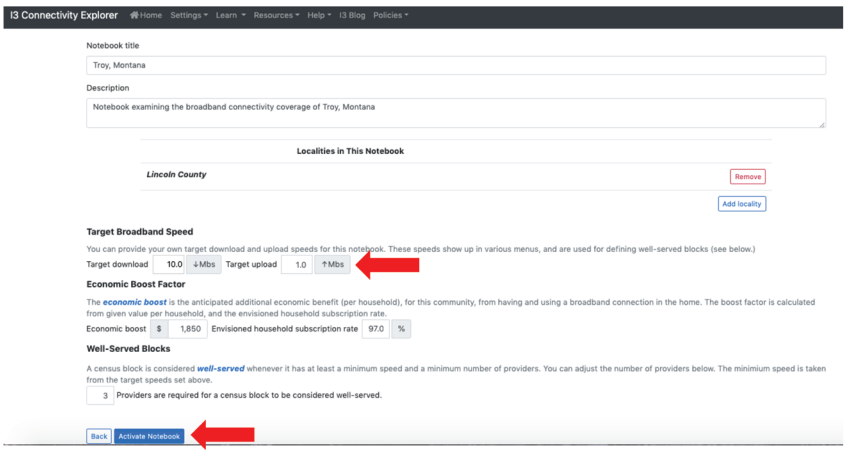


Figure 24: Populate PFSA Details



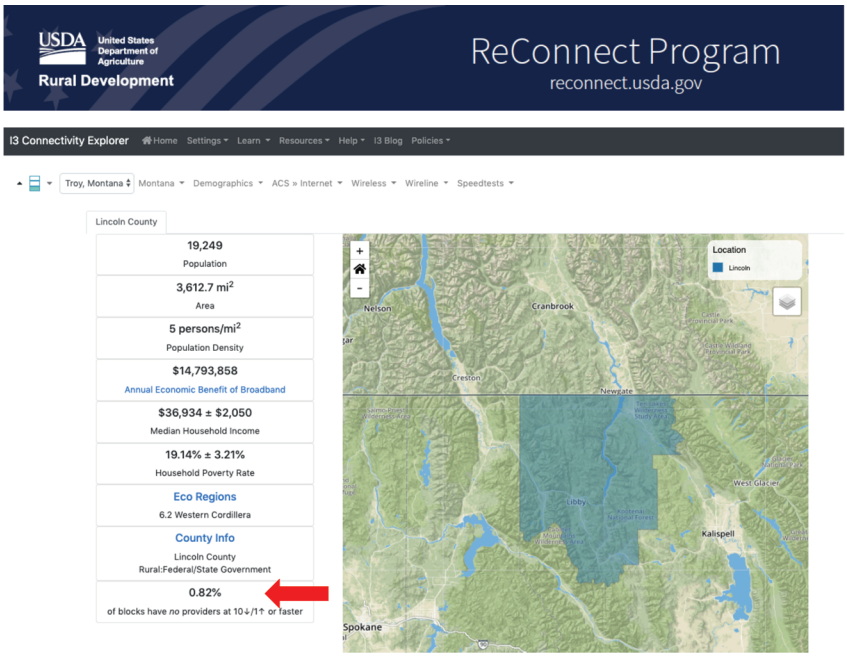
9. On the main Notebook page, a notebook of the selected state (e.g. Lincoln County, Montana) should have generated. Users can toggle between broadband speeds, to identify which areas of this region have a given connectivity range. Users may also examine other features such as "Economic Boost" and "Target Subscription" level, but for this exercise the key feature is Download and Upload speeds. Specify the Target download speed to be "10" Mbps and the Target upload speed to be "1" Mbps in the appropriate boxes, then click the blue "Activate Notebook" button to see the results.

Figure 25: Filter for Target Upload and Download Speeds



10. The following map generated provides summary statistics on the region including Coverage Assessment denoted by the red arrow below.

Figure 26: i3 Connectivity Search Output



11. Enter the download and upload speeds, the Coverage Estimate (in this case 100% - 0.82% = 99.18%) and document the URL for the web pages observed in the SAV Execution Tool. Note that the Coverage Estimate only indicates the percentage of blocks that have no providers at 10/1 Mbps service or greater. Subtract this percentage from 100% to determine the percentage of blocks with one or more providers at 10/1 Mbps service or greaer.

12. Desktop Researchers may reference *the SAV Execution Tool User Guide* for additional guidance on data entry.

13. Take a screen shot of the map on the website and save the screenshot to the application folder of the SharePoint site.

3.1.5 Identify Competitor Service Providers

Desktop Researchers review the competitor service providers as documented in an application. If there are any competitive service offerings, the Desktop Researcher assigned to the PFSA notes the information in **Table 13** below in the SAV Execution Tool. Once an incumbent service provider is identified, as long as they did not also submit a PNR, the Desktop Researcher contacts the company to determine if there is an individual that the Field Researchers can interview on the ground. The Desktop Researcher enters service provider information in the *SAV Execution Tool* for any other competitors identified throughout the Desktop Research process as well, specifically through the third party speed test data collection.



Table 13 lists data fields populated for each competitive service provider identified by the applicant or through Desktop Research activities.

Table 13: Competitor Service Provider Data Fields

Field	Observation Description
Entity	[Insert]
PNR Respondent?	["Yes" or "No"]
PFSA Name	[As provided on the Application]
Customer Type	[Insert]
Service Offering	[As provided on the Application]
Download Speed (Mbps)	[Insert]
Upload Speed (Mbps)	[Insert]
Unit Price	[Insert]
Description/Notes	[Insert]
Data/Information Source	["Application" OR "Name of Speed Test Data Provider"]

3.2 Archive Source Documentation and Materials to SharePoint

Archive all supporting documentation and materials to the SAV Document Library. This step should be concurrent with the desktop research findings data entry into the *SAV Execution Tool* and subsequent to the initiation of Desktop Research. Note if the source document is web-based and include a link to the website on a word document stored in SharePoint. All other electronic files are stored and named descriptively in the application-specific folder. If the materials are specific to one of multiple PFSAs associated with the application, create sub-directories named according to the PFSA. The logging of source documentation and materials to SharePoint occurs immediately after the source is used to support a finding recorded in the SAV Document Library.

3.3 Archive Desktop Findings to SAV Execution Tool

The Desktop Research Team concurrently logs documents and materials into the SAV Document Library on SharePoint and populates the SAV Execution Tool for the application. The Desktop Research findings and data points are listed in **Table 11** through **Table 13**. The Desktop Research Team completes the following steps:

1. Open the *SAV Execution Tool* MS Excel Workbook.
2. Depending on the data being added to the *SAV Execution Tool*, select the appropriate button to launch the user form.



3. Populate the required application and PFSA-specific fields with information pulled from the application under review. Data observed from sources other than the application are also populated in the *SAV Execution Tool*.

4. Select the save button on each user form to archive the finding.

Backend Operation
By selecting the "Save" button on the user forms, the data captured in the user form will be written to a log in the *SAV Execution Tool*. When generating reports, the log will be queried to pull all desktop research findings into the *Desktop Research Report Template*.

The data entry described under this step should be completed as information is discovered.

3.4 Update SAV Checklist

After the preliminary Desktop Research is complete, the Desktop Research Team updates the *SAV Checklist* to confirm that for a given application, the findings are logged in the *SAV Execution Tool* and the supporting documentation and materials are archived in the SAV Document Library.

3.4.1 Decision Point—Desktop Research Complete?

After the *SAV Checklist* is updated, the primary Desktop Researcher reviews the *SAV Execution Tool*, SAV Document Library, and *SAV Checklist* for completion. If there are missing items or data entry errors, the Desktop Researcher coordinates with the Desktop Research Team to update the information in SharePoint and the *SAV Execution Tool* by adhereing to the procedures from step **3.1**. Once the *SAV Execution Tool* and Document Library are sufficiently complete, proceed to step **3.5.**

3.5 Prepare and Export Desktop Research Report

Once the Desktop Research completeness check is completed, the Desktop Research Team collaboratively reviews and concurs that the *SAV Execution Tool* accurately reflects the data observed during Desktop Research and is consistent with the source documentation and materials archived on SharePoint.

Once concurrence is achieved by the Desktop Research Team and any conflicts have been resolved by the Broadband SME, the Desktop Research Team initiates production of the *Desktop Research Report*. To do so, one member of the Desktop Research Team executes the "Generate Desktop Research Report" subroutine in the *SAV Execution Tool* by selecting the "Generate Report" button. Once the report is prepared, the Desktop Research Team reviews the draft against the log in the *SAV Execution Tool* to confirm the data pull was successful.

Backend Operation
By changing the "Generate Report", a VBA-enabled subroutine is triggered to pull the data from the log into the Desktop Research Report template. The populated template should be saved in the application-specific document library for record keeping and review.



3.6 Review Desktop Research Report

Once the draft *Desktop Research Report* is generated and the Desktop Research Team has notified the Desktop Advisor that the *SAV Execution Tool* is saved on SharePoint, the Desktop Advisor reviews the report for completeness and ensures the findings in the report satisfy the Dekstop Research requirements.

3.6.1 Decision Point—Desktop Research Sufficiently Complete?

If the Desktop Advisor finds there is a material deficiency in the *SAV Execution Tool*, the Desktop Advisor engages the Broadband SME as described under step **3.6.2**. For example, a summary statement of findings that does not clearly state the eligibility of a PFSA as suggested by third party data providers. The Desktop Advisor is responsible for routing the *SAV Exectution Tool* to the Broadband SME and highlighting the areas of the report that require the Broadband SME's attention. If there are no material deficiencies in the *SAV Execution Tool* proceed to step **3.7.**

3.6.2 Resolve Desktop Research Issues

Upon receipt of an initial *Desktop Research Report* that requires SME intervetion, the Broadband SME reviews the fields in the report identified by the Desktop Advisor and adjusts the findings as necessary. The Broadband SME may engage the Desktop Research Team directly for further clarification or to request specific edits to the *SAV Execution Tool*.

3.6.3 Update Desktop Research Report and SAV Execution Tool

If the Broadband SME determines adjustments to the *SAV Execution Tool* are required, the Desktop Research Team updates the the *SAV Execution Tool* according to the instructions issued by the Broadband SME.

3.7 Archive Desktop Research Report and Route to Regional Lead

Concurrent with the updates made to the SAV Status Tracker, the Desktop Advisor ensures that the *SAV Execution Tool* and *Desktop Research Report* are saved in the appropriate folder in the SAV Document Library on SharePoint. The Desktop Advisor updates the *SAV Checklist* then routes the *SAV Execution Tool*, *Desktop Research Report*, and *SAV Checklist* as an attachment to the Regional Lead and SAV Review Lead. This step is completed promptly after the completeness check described in step **3.6.1** is executed.

3.8 Update SAV Status Tracker

Once the *Desktop Research Report* and *SAV Execution Tool* are sufficiently reviewed by the Desktop Advisor (and Broadband SME as needed), the Desktop Advisor sends notice via email to the SAV Coordinator to update the SAV Status Tracker for the appropriate application record on SharePoint.



4.0 Field Research

This procedure begins with the review of the desktop findings summary per PFSA developed in procedure **3.0, Desktop Research** and culminates with the production of the final *Field Research Report*.

Field Research and Data Aggregation Procedure

4.1 Review Desktop Research Findings Report

The Desktop Advisor routes the *Desktop Research Report* as described in step **3.7** to the Regional Lead assigned to the application. The Regional Team reviews the *Desktop Research Report* received from the Regional Lead for each PFSA (as represented by **Table 14**) and identifies any sections/data included in the report that may be materially deficient.

Table 14: PFSA Summary Information

Field	Observation
PFSA Name	[As provided on the Application]
New or Existing PFSA	["New" or "Existing" as provided on the Application]
Alternative Household Data Provided?	["Yes" or "No"]
Geographic Footprint	[Square miles from the map metadata]
Number of Households	[As provided from the map metadata]
Technology Type	[As provided on the Application]
Service Offering	[As identified by Desktop Research]
Desktop Research Eligibility Finding	["Eligible" or "Ineligible"]

4.1.1 Decision Point – Questions about report?

If the Regional Team has any questions about the content of the report, send comments via email to the Desktop Advisor, copying the Regional Lead. If there are no questions from the Regional Team during review of the desktop findings, the Regional Team proceeds to step **4.2**.

4.1.2 Clarify Desktop Findings

The Desktop Advisor responds via email to the Regional Team with any clarifying questions necessary. The Desktop Advisor may solicit the help of the Desktop Research Team to answer the Regional Teams questions. If a follow-up phone conversation is needed to clarify answers provided to the Regional Team, the call should be documented including formal meeting minutes. Archive the resulting documentation in the SAV Document Library on SharePoint. The Regional Lead should be included on the phone call as an optional attendee.

4.2 Initiate Validation of Desktop Findings

After the *Desktop Research Report* is reviewed by the Regional Team and any clarifications are made, the Regional Team initiates validation of the findings from the Desktop Research. For example, if a service provider or local stakeholder was found in the PFSA during desktop research and an interviewee was indetified, the Regional Team schedules and conducts the interview as detailed in step **4.4**. The information in **Table 14** is validated by the Regional Team throughout the steps detailed throughout the rest of this procedure.

4.2.1 Decision Point – PNR(s) for Application?

After the initiation of desktop findings, the Regional Team documents any PNRs associated with the PFSA undergoing validation, if applicable. If any PNRs associated with the PFSA are documented, the Regional Team moves to step **4.3,** prioritizing the interviews of PNR respondents. However, once the PNR respondent interviews are complete, the Regional Team continues with step **4.4**. If there are no PNRs associated with the PFSA, the Regional Team proceeds to step **4.4**.

4.3 Conduct PNR Respondent Interviews

For each PNR submitted, the Regional Team conducts PNR Respondent Interviews. The questions on the PNR Respondent Questionnaire (**Table 15**) are asked and data collected in the SAV Execution Tool for the appropriate application and PFSA being validated. The Regional Team asks the PNR Respondent to identify any additional information which may not have been submitted online in the PNR. Consistent with FCC processes to validate speed in wireline networks, the SAV Review Team requests and examines datasets from the public notice response service provider including data generated by certain network elements or Network Management Systems (NMSs). The request should include data during peak and non-peak network load timeframes. In the event no service provider has responded to the application's PNF, the Regional Team submits similar requests to any service providers found to be operating in the PFSA by the Desktop Research Team. The Regional Team understands its requests may not be responded to by the service providers (if any were identified within the PFSA). The Regional Team repeats this step for the number of incumbents that submitted a PNR for each PFSA under review. As desscribed in the Desktop Research process, step **3.0**, PNR Respondents are contacted no more than three times and non-PNR respondents are contacted no more than two times.

At the time a PNR respondent submits their response, the PNR respondent is not required to submit the information as detailed in **Table 15.** Therefore, the questions below are only asked if they were not answered previously in submission of the PNR.

Table 15: PNR Respondent Questionnaire

Question	Observation
Type of Interviewee	[Insert]
Name of Interviewee	[Insert]



Question	Observation
Interviewee Contact Information	[Insert]
Date of Interview	[MM/DD/YYY]
Local Time of Interview (Start)	[Insert]
Local Time of Interview (End)	[Insert]
Location of Interview	[Insert town, county, state, location, address]
Name of Regional Team Member(s) Conducting Interview	[Insert]
Relative PFSA Name	[Insert as provided on application]
Funding Type of Application	[Insert as provided on application]
Common Name of Applicant	[Insert as provided on application]
How many residential customers within the applicant's service area are currently purchasing broadband service, defined as at a minimum speed of 10 Mbps downstream and 1 Mbps upstream?	[Insert number]
What are the locations of those residential customers within the applicant's service area are currently purchasing broadband service, defined as at a minimum speed of 10 Mbps downstream and 1 Mbps upstream?	[Insert locations]
Where are the rates of data transmission being offered?	[Insert number]
Who is the service provider?	[Insert name of service provider]
What are the service(s)?	[Insert services]
What are the service packages?	[Insert service packages]
Can you provide data generated by Network Management Systems (NMSs)?	[Yes/No]
If yes, please provide data during peak network load timeframes.	[Insert speed data at peak timeframes]
If yes, please provide data during non-peak network load timeframes.	[Insert speed data at non-peak timeframes]
Please provide network generated speed data from at least one of the following: - Customer Premise Equipment (CPE) - Network Management Systems (NMS) - Self developed ping-based speed data	[Insert applicable speed data]



4.3.1 Decision Point – Discrepancies from Submitted PNR?

Once the PNR Respondent interviews are completed, the Regional Team must inform the Regional Lead following the interview if there are any discrepancies with the information from the submitted PNR and data collected during the PNR evaluation process. Both Regional Team members are required to cross-reference the PNR submitted data with the data collected during the interview of the PNR respondent. If there are discrepancies, the procedure continues to step **4.3.2.** Alternatively, if no discrpenacies exist, the process continues to step **4.4.**

4.3.2 Research PNR Discrepancies

In the event the Regional Team identifies any discrepancies between claims made in the PNR and information collected during the PNR interview, the Regional Team escalates the observation to the the Regional Lead via email detailing what discrepancies were identified. The Regional Lead then reviews the discrepancies. If there is a need for the Regional Lead to have a phone call with the Regional Team and the PNR respondent, the Regional Team must record formal meeting minutes and archive them in the SAV Document Library on SharePoint. If the Regional Lead does not resolve identified discrepancies following the discussion with the PNR responded, they ask the Broadband SME for adjudication.

4.3.3 Render Opinion of Discrepancies

Once the Broadband SME receives notification from the Regional Lead, the Broadband SME renders an opinion if there needs to be another discussion with the POC of the PNR Respondent. Should there be any discrepancies, such as inconclusive information from interviewees in the field, the Broadband SME advises if the field Team should conduct additional in-field interview questions of the PNR respondent.

4.4 Conduct Field Interviews, Collect Information From Other Public Data Sources, and Conduct Network Observations

The following procedures within this step can be executed at any time while the Regional Team is in the field validating a PFSA. It is the responsibility of the Regional Team to gather as much quantifiable information while validating a PFSA as possible. As detailed in step **1.0**, the Regional Team validates PFSAs in a specific sequence to maximize efficiencies during the validation of multiple PFSAs within an application.

Conduct Field Interviews

If the Regional Team does not identify any PNRs associated with the PFSA being validated, the Regional Team conducts interviews with service provider technicians, government officials, representatives of community anchor institutions and subscribers (residents) of the service providers within the PFSA. Note, government officials and anchor institutions can be interviewed, however, service delivered to them does not count towards eligibility determinations. Therefore, the Regional Team documents this notation for any of the relative parties interviewed. For technical personnel, the focus of the interviews is on gaining a detailed understanding of the technologies providing broadband service and the infrastructure supporting broadband service. For subscribers, the focus is on understanding the user perceived speed of the network.

Types of interviews:

- General Interview (e.g. resident/subscriber, applicant employee, business owner, local official, etc.) – **Table 16**
- Digital Subscriber Line Technician Interview – **Table 17**
- Cable Modem Termination Systems (CMTS) Technician Interview – **Table 18**
- Fixed Wireless Technician Interview – **Table 19**
- Fiber to the Premises Technican Interview – **Table 21**

The Regional Team gathers data from these interviews in the *SAV Execution Tool* for each PFSA being validated. The Regional Team attempts to conduct the different types of interviews in every visited PFSA. However, the Regional Team acknowledges and documents if they are unable to conduct an interview in the PFSA and the reasoning why the interview was not conducted. The time to complete each interview depends on how quickly the Regional Team is able to collect a sufficient amount of data.

In the event a scheduled interviewee does not show up for a scheduled interview, the Regional Team should attempt to contact the interviewee to confirm the interview is either postponed or cancelled. The Regional Team then documents the communication on the appropriate questionnaire.

Table 16: General Questionnaire

General Questionnaire	
Question	**Purpose/Reasoning**
Who is your internet provider?	To determine if there are other ISPs that we have not identified and to establish linkage between ISPs and household network performance.
Are there alternate providers?	To determine if there are other Service Providers that we have not identified
Do you know what technology they use?	To corroborate our understanding of what technology the Service Provider has deployed



General Questionnaire	
What is your overall perception of internet speed?	To gain an understanding of the performance of the network
What is your overall perception of internet availability?	To gain an understanding of the reliability of the network
Are you able to stream the following without buffering? • Netflix movies in SD • Facebook videos • YouTube videos	To determine if sufficient speeds exist to execute certain well understood applications
Are you able to send and receive e-mail attachments?	Service Providers typically configure their Simple Mail Transfer Protocol mail servers to timeout. Frequent mail timeouts may indicate insufficient bandwidth
Which is faster, your mobile internet or your home internet?	Which is faster, your mobile internet or your home internet?

Table 17: Digital Subscriber Line Technician Questionnaire

Digital Subscriber Line Technician Questionnaire	
Question	**Purpose/Reasoning**
What type of DSL, Asymmetric Digital Subscriber Line (ADSL), Very High Speed Digital Subscriber Lines (VDSL), etc.)?	Different flavors of DSL have different attenuation characteristics
Is your flavor consistent throughout the network?	To gain an understanding of whether multiple different speeds may be experienced by users depending on location
When was the network deployed?	Hardware and software versions ultimately determine speed. The age of the infrastructure helps gain an understanding of what hardware and software is deployed.
Have any enhancements or modifications to the network been made since the initial deployment?	Hardware and software versions ultimately determine speed. The age of the infrastructure helps gain an understanding of what hardware and software is deployed.
How many Digital Subscriber Line Access Multiplexer (DSLAM) do you have in the PFSA?	To help understand the distances from households to infrastructure
How many DSLAMs do you have in the PFSA?	To understand the infrastructure is in place within the PFSA.
Where are those DSLAMs located?	To understand where the infrastructure is located within the PFSA.

Digital Subscriber Line Technician Questionnaire	
Can you show them to me? (take pictures and note location)	To understand what infrastructure is in place and where it is physically located.
What vendor and model number are your DSLAMs?	To understand the technical capacities of the infrastructure
What software version are your DSLAMs using?	Certain software versions have speed limitations.
What is the backplane capacity of the DSLAMs?	To understand the capacity of the infrastructure.
How do the DSLAMs get muxed to the Central Office (CO)?	To determine how the network provides service
Are the field DSLAMs connected through fiber?	Fiber based distribution networks are faster than Plain Old Telephone Service (POTS) lines. May indicate a network with greater capacity than a pure POTS
What is the capacity of your transport facilities in place from your consolidation location?	To determine if transport facilities have appropriate bandwidth to provide service
Where is your interconnect location (if any)?	To determine distance for interconnect
What is the furthest household from its nearest DSLAM?	To determine maximum attenuation of households
Can you provide CPE generated evidence of household speed?	To determine network speed.
Can you provide NMS generated evidence of household speed?	To determine network speed.
Can you provide network generated evidence of household speed?	To determine network speed.
What is the maximum download speed your network can deliver?	To find out if the Service Provider is capable of providing 10/1 service or not
What is the maximum upload speed your network can deliver?	To find out if the Service Provider is capable of providing 10/1 service or not

Table 18: Cable Modem Termination Systems Technician Questionnaire

Cable Modem Termination Systems (CMTS) Technician Questionnaire	
Question	**Purpose/Reasoning**
How many headends do you have?	The number of headends deployed in the network partially determines available capacity to users.
How many subscribers does the network support?	Since cable is a shared medium the number of subscribers creating traffic on the network directly affects network speeds experienced by users.



Cable Modem Termination Systems (CMTS) Technician Questionnaire	
Where are those headends located?	To validate that infrastructure is located within proximity to the markets served.
Can you show them to me? (pictures)	To validate the information provided is accurate regarding infrastructure deployed.
Is your solution pure cable or Hybrid Fiber Coax (HFC)?	Fiber is a faster medium than cable plant and may indicate additional capacity in the network.
What is the backplane capacity of your aggregation router?	To determine whether infrastructure has capacity sufficient to serve the service area.
What software version is your aggregation router using?	Software versions may have Original Equipment Manufacturer (OEM) published speed limitations.
What Data Over Cable Service Interface Specification (DOCSIS) version is in your CMTS?	Certain DOCSIS versions have published standards for speed.
What is the capacity of you transport facilities in place from your consolidation location?	To determine if transport facilities have appropriate bandwidth to provide service
Where is your interconnect location? (if any)	To understand the distance traffic is required to travel before hitting the measurement point of demarcation.
Is all CPE in the network on the same DOCSIS version?	The network can only operate at speeds consistent with the lowest DOCSIS version deployed in the network.
What versions of DOCSIS are in CPE in the network?	To determine the lowest version of DOCSIS presently in the network.
Can you provide CPE generated evidence of household speed?	To determine network speed.
What is the maximum download speed your network can deliver?	To find out if the Service Provider is capable of providing 10/1 service or not
What is the maximum upload speed your network can deliver?	To find out if the Service Provider is capable of providing 10/1 service or not

Table 19: Fixed Wireless Technician Questionnaire

Fixed Wireless Technician Questionnaire	
Question	**Purpose/Reasoning**
How many sites do you have?	To determine overall Radio Frequency (RF) coverage footprint.
Where are your sites located?	To determine overall RF coverage footprint.
How many subscribers does your network support?	The number of subscribers on a network determine the load on the network.



Fixed Wireless Technician Questionnaire	
What model and version of CPE do you use?	Assists in determining difficulty of receiving signal at households.
Do you operate in licensed spectrum?	If an operator uses licensed spectrum than we should have the ability to find
What is your total transmit bandwidth?	Required to calculate theoretical capacity
What is your total receipt bandwidth?	Required to calculate theoretical capacity
What power do you transmit at?	Necessary information for coverage calculations.
What modulation scheme do you use? **(See MCS Translation Table below for Reference)*	Necessary input for theoretical speed calculations.
How high are your antennas?	Necessary for coverage calculations.
What is your RF footprint (test line of sight)?	Assist in determining the number of households in a PFSA that are within coverage.
Do you have a receiver we could test in the field?	To validate information on household signal strength.
How do you backhaul traffic?	Assists in determining if sufficient backhaul capacity exists to enable service.
What is the capacity of your backhaul link(s)?	Assists in determining if sufficient backhaul capacity exists to enable service.
Where are the backhaul links muxed (if more than one site)?	Assists in determining if sufficient backhaul capacity exists to enable service.
What is the capacity of you transport facilities in place from your consolidation location?	To determine if transport facilities have appropriate bandwidth to provide service
Where is your interconnect location (if any)?	To determine distance for interconnect
Can you provide CPE generated evidence of household speed?	To determine network speed.
What is the maximum download speed your network can deliver?	To find out if the Service Provider is capable of providing 10/1 service or not
What is the maximum upload speed your network can deliver?	To find out if the Service Provider is capable of providing 10/1 service or not

During a Fixed Wireless technician interview, a Field Researcher asks about the modulation for the network. Should a Field Researcher encounter Modulation and Coding Scheme (MCS) Index Values while researching Fixed Wireless service, the table below can be used to translate the MCS Index Value to the corresponding Modulation Scheme for which they input into the SAV Execution Tool. During the Fixed Wireless interview with the technician, the Field Researcher

clarifies that they need the modulation scheme to be able to calculate the theoretical speed calculation shown in section **4.6**.

Table 20: Translation from MCS to Modulation Scheme

MCS Index	Spatial Streams	Modulation Type	Coding Rate	Data Rate (Mbit/s)			
				20 MHz Channel		*40 MHz Channel*	
				800 ns GI	*400 ns GI*	*800 ns GI*	*400 ns GI*
0	1	BPSK	1/2	6.50	7.20	13.50	15.00
1	1	QPSK	1/2	13.00	14.40	27.00	30.00
2	1	QPSK	3/4	19.50	21.70	40.50	45.00
3	1	16-QAM	1/2	26.00	28.90	54.00	60.00
4	1	16-QAM	3/4	39.00	43.30	81.00	90.00
5	1	64-QAM	2/3	52.00	57.80	108.00	120.00
6	1	64-QAM	3/4	58.50	65.00	121.50	135.00
7	1	64-QAM	5/6	65.00	72.20	135.00	150.00
8	2	BPSK	1/2	13.00	14.40	27.00	30.00
9	2	QPSK	1/2	26.00	28.90	54.00	60.00
10	2	QPSK	3/4	39.00	43.30	81.00	90.00
11	2	16-QAM	1/2	52.00	57.80	108.00	120.00
12	2	16-QAM	3/4	78.00	86.70	162.00	180.00
13	2	64-QAM	2/3	104.00	115.60	216.00	240.00
14	2	64-QAM	3/4	117.00	130.00	243.00	270.00
15	2	64-QAM	5/6	130.00	144.40	270.00	300.00
16	3	BPSK	1/2	19.50	21.70	40.50	45.00
17	3	QPSK	1/2	39.00	43.30	81.00	90.00
18	3	QPSK	3/4	58.50	65.00	121.50	135.00
19	3	16-QAM	1/2	78.00	86.70	162.00	180.00
20	3	16-QAM	3/4	117.00	130.00	243.00	270.00
21	3	64-QAM	2/3	156.00	173.30	324.00	360.00
22	3	64-QAM	3/4	175.50	195.00	364.50	405.00
23	3	64-QAM	5/6	195.00	216.70	405.00	450.00
24	4	BPSK	1/2	26.00	28.80	54.00	60.00
25	4	QPSK	1/2	52.00	57.60	108.00	120.00
26	4	QPSK	3/4	78.00	86.80	162.00	180.00
27	4	16-QAM	1/2	104.00	115.60	216.00	240.00
28	4	16-QAM	3/4	156.00	173.20	324.00	360.00
29	4	64-QAM	2/3	208.00	231.20	432.00	480.00
30	4	64-QAM	3/4	234.00	260.00	486.00	540.00
31	4	64-QAM	5/6	260.00	288.80	540.00	600.00



Table 21: Fiber to the Premises Technician Questionnaire

Fiber to the Premises Technician Questionnaire	
Question	**Purpose/Reasoning**
Is the network passive or active?	Active networks have more routing equipment thus creating more potential choke points
How many subscribers does your network support?	The number of subscribers on a network determine the load on the network.
Where is the traffic muxed?	Multiplexing almost always introduces latency and may be a good place to check speed.
What is the backplane capacity of your aggregation router?	To understand the capacity of the infrastructure.
What is the maximum download speed your network can deliver?	To find out if the Service Provider is capable of providing 10/1 service or not
What is the maximum upload speed your network can deliver?	To find out if the Service Provider is capable of providing 10/1 service or not
What is the capacity of your transport facilities in place from your consolidation location?	To determine if transport facilities have appropriate bandwidth to provide service

Collect Information From Other Public Data Sources

While the Regional Team is deployed in a PFSA, the Regional Team observes and documents any sources of public data that help to determine whether or not broadband exists in the PFSA. Examples of public data sources the Regional Team should look for while traveling include, but are not limitied to:

- Newspaper ads
- Magazine articles
- Billboards for advertised speeds of local service providers
- Unsolicited CPE speed data provided by one or multiple subscriber(s) located within the PFSA undergoing validation
- Signs on/in businesses

The Regional Team documents any findings during the site visit on the Public Data Source Collection Form shown in **Table 22** and includes pictures for evidence findings.



Table 22: Public Data Source Collection Form

Question	Observation
Type of public data source	[Newspaper ad, magazine article, billboard, unsolicited CPE speed data, signs, etc.] Insert pictures of public data source below
Information provided by public data source	[Insert description]
Date of information found	[MM/DD/YYY]
Local time of information found	[Insert]
Location where information was found	[Insert town, county, state, location, address]
Name of Regional Team member(s) responsible for finding data source	[Insert]
Relative PFSA Name	[Insert as provided on application]
Funding Type of Application	[Insert as provided on application]
Common Name of Applicant	[Insert as provided on application]

Conduct Network Observations

While the Regional Team is deployed and validating PFSAs, the Regional Team conducts physical network observations of the infrastructure within the PFSAs that are being validated. PFSAs are known to range in size, however, network observations are documented from every PFSA a Regional Team visits. In addition, two Field Researchers on the Team may collect observations and document them with pictures and details supporting their findings. For example, if one PFSA is small and covers an entire town, it is expected that the Regional Team observes the PFSA in it's entirety. If the Team does not locate network infrastructure within the PFSA for any reason (i.e. vegetation overgrowth), the Team still documents the work the Team conducted by taking a picture within the PFSA notating "No network infrastructure observed within PFSA". The Team documents "N/A" for the data fields identified in the Network Observation Documentation Form in **Table 23**.

A large PFSA could require a team of two Field Researchers that are not expected to cover every square mile of the PFSA. In these instances, the Regional Team prioritizes conducting observations in the more populous areas of the PFSA. The observations for these areas are also documented in the Network Observation Data Collection Template.

Network observations are done at any time while the Regional Team is deployed in the PFSA (e.g. on the way from an interview to a hotel). The Regional Team must attempt to conduct network observations at least one time while validating a PFSA.



Table 23: Network Observation Documentation Form

Question	Observation
Type of network infrastructure observed	[Insert type of infrastructure]
List the Service Provider who owns the observed network infrastructure (if identifiable)	[Insert SP name; state how the owner was identified]
Physical condition of network infrastructure	[Good/Fair/Poor] Insert supporting pictures below
Why was the network infrastructure rated, Good, Fair, or Poor?	[Insert description]
Date of observation made	[MM/DD/YYY]
Local time of observation made	[Insert]
Location where information was found	[Insert town, county, state, location, address]
Name of Regional Team member(s) who conducted the observation	[Insert]
Relative PFSA Name	[Insert as provided on application]
Funding Type of Application	[Insert as provided on application]
Common Name of Applicant	[Insert as provided on application]

4.5 Cross-reference with Desktop Findings

After the Regional Team collects quantifiable information from field interviews, public data sources, and network observations, the Team cross references findings with information that was found during the Dekstop Research. The Regional Team documents findings from the field that are different from the desktop findings. If the Regional Team identifies a provider not listed in the Desktop Research, the Regional Team goes back to the Lead Desktop Researcher assigned to the PFSA. The Desktop Researcher then conducts a review of the new providers' data and amends the Desktop Research Report.

4.6 Run Network Calculations

Once the Regional Team cross-references findings from the field with the Desktop Research findings, the Regional Team conducts high-level calculations to validate the sufficiency of infrastructure to support 10/1 service within the PFSA being validated. This process is conducted regardless of whether a PNR exists in a PFSA. Calculations can only be conducted for PFSAs from data obtained during field interviews as detailed in step **4.4**. If there is not enough information to conduct such network calculations, the Regional Team notes that within the *SAV Execution Tool* for documentation purposes.

The first set of potential calculations performed use inputs from the CMTS Technician Questionnaire as referenced in step 4.4. The DOCSIS Version recorded in the questionnaire will be a number (1.0, 1.1, 2.0, 3.0, or 3.1) and the denominator (Number of Subscribers) will be the

number given by the Interviewee and will reflect peak network load. The solution to this equation is the Maximum Mbps per subscriber as depicted below. Based on the DOCSIS Version number provided by the interviewee, the numerator (Max Mbps per DOCSIS Version) in Equations 1 through 8 below are automatically generated by the *SAV Execution Tool* and input into the calculation. **Table 24** represents the potential values which are placed in the numerator for Equations 1 through 8 based upon the Interviewee's DOCSIS Version. Since cable is a shared medium, it is important to understand the maximum capacity available to each subscriber. By performing this calculation, the Regional Team is able to understand the maximum downstream and upstream capacity is available to each user within the network.

Table 24: International Telecommunications Union Maximum DOCSIS Speeds

DOCSIS Version	Max Downstream Speed (Mbps)	Max Upstream Speed (Mbps)
1.0	40	10
1.1	40	10
2.0	40	30
3.0	1,200	200
3.1	10,000	2,000

Equation 1: DOCSIS Version 1.0/1.1 - Maximum Downstream Mbps per Subscriber

$$\frac{Max\ Mbps\ per\ DOCSIS\ Version}{Number\ of\ Subscribers} = Theoretical\ Maximum\ Mbps\ per\ subscriber$$

Equation 2: DOCSIS Version 1.0/1.1 - Maximum Upstream Mbps per Subscriber

$$\frac{Max\ Mbps\ per\ DOCSIS\ Version}{Number\ of\ Subscribers} = Theoretical\ Maximum\ Mbps\ per\ subscriber$$

Equation 3: DOCSIS Version 2.0 - Maximum Downstream Mbps per Subscriber

$$\frac{Max\ Mbps\ per\ DOCSIS\ Version}{Number\ of\ Subscribers} = Theoretical\ Maximum\ Mbps\ per\ subscriber$$

Equation 4: DOCSIS Version 2.0 - Maximum Upstream Mbps per Subscriber

$$\frac{Max\ Mbps\ per\ DOCSIS\ Version}{Number\ of\ Subscribers} = Theoretical\ Maximum\ Mbps\ per\ subscriber$$

Equation 5: DOCSIS Version 3.0 - Maximum Downstream Mbps per Subscriber

$$\frac{Max\ Mbps\ per\ DOCSIS\ Version}{Number\ of\ Subscribers} = Theoretical\ Maximum\ Mbps\ per\ subscriber$$

Equation 6: DOCSIS Version 3.0 - Maximum Upstream Mbps per Subscriber

$$\frac{Max\ Mbps\ per\ DOCSIS\ Version}{Number\ of\ Subscribers} = Theoretcial\ Maximum\ Mbps\ per\ subscriber$$

Equation 7: DOCSIS Version 3.1 - Maximum Downstream Mbps per Subscriber

$$\frac{Max\ Mbps\ per\ DOCSIS\ Version}{Number\ of\ Subscribers} = Theoretical\ Maximum\ Mbps\ per\ subscriber$$

Equation 8: DOCSIS Version 3.1 - Maximum Upstream Mbps per Subscriber

$$\frac{Max\ Mbps\ per\ DOCSIS\ Version}{Number\ of\ Subscribers} = Theoretical\ Maximum\ Mbps\ per\ subscriber$$

The ninth potential calculation performed uses inputs from the DSL Technician Questionnaire as referenced in step **4.4**. The numerator (Number of PFSA Square Miles) is input into the DSL Technician Questionnaire by the Regional Team and the *SAV Execution Tool* automatically pulls this value into the equation. The denominator (Number of DSLAMS in PFSA) is based on the answer provided by the interviewee. The *SAV Execution Tool* also automatically pulls this value into the equation. The solution to this equation is Square Miles per DSLAMS. Since DSL technology is sensitive to distance, by performing this calculation, the Regional Team is able to discern the implications of any distance limitations with DSL technology. Once the solution to this equation (Square Miles per DSLAM) is determined, the *SAV Execution Tool* automatically calculates a distance in feet which each DSLAM covers in any direction. The Regional Team needs to cross-reference this value with **Table 25** to discern where speeds decrease/fall off based on distance and flavor of DSL. Flavor of DSL is asked of the interviewee as referenced in step **4.4**.

Equation 9: DSLAMS Coverage Distance

$$\frac{Number\ of\ PFSA\ Square\ Miles}{Number\ of\ DSLAMS\ in\ PFSA} = Square\ Miles\ per\ DSLAM$$

Table 25: DSL Attenuation Chart via VersaTechnology

Flavor of DSL	Download Speed (Mbps)	Upload Speed (Mbps)	Distance (ft)
G.lite	1.5	.512	18,000
ADSL	6-8	.640	12,000 – 18,000
ADSL2	12	1	6,000
ADSL2+	27	1	3,000
VDSL	13-52	1.5 – 2.3	4,500
VDSL2	200	200	6,600
IDSL	.14	.14	> 2,000
SDSL	1.5	1.5	10,000 – 18,000
HDSL	2.3	2.3	12,000

The next set of potential calculations (Equations 10 and 11) performed uses inputs from the FW Technician Questionnaire as referenced in step **4.4**. **Table 26** shows the six options the FW Technician chooses from during the interview. Based on the response of the interviewee, there is a relative Bits/Hz value for each Modulation Scheme. Equation 10 has a numerator that consists of two multipliers, Bitz/Hz, which are automatically generated by the *SAV Execution Tool* based on the Modulation Scheme the interviewee selects and the Total Receipt Bandwidth, which is in Megahertz (MHz) and provided by the interviewee. The denominator (Number of Subscribers) is also the number provided by the interviewee and reflects peak network load. The solution to this equation is the Theoretical Maximum Capacity which is in Mbps. Equation 11 also starts with a multiplier (Bitz/Hz), which is automatically generated by the *SAV Execution Tool* based on the Modulation Scheme the interviewee selects. That value is then multiplied by the Total Transmit Bandwidth which is in Megahertz (MHz) and provided by the interviewee. The solution to this equation is the Maximum Theoretical Capacity which is in Mbps. By performing this calculation, the Regional Team is able to understand the theoretical maximum downstream and upstream capacity available to each user within the network.

Table 26: Fixed Wireless Modulation Scheme Conversions

Modulation Schemes	Bits/Hz
8	3
16	4
32	5
64	6
128	7
256	8

Equation 10: Fixed Wireless Upstream Modulation Capacity

$$\frac{\left(\frac{Bits}{Hz}\right) \times (Total\ Receipt\ Bandwidth)}{Number\ of\ Subscribers} = Theoretical\ Maximum\ Capacity\ per\ subscriber$$

Equation 11: Fixed Wireless Downstream Modulation Capacity

$$\frac{\left(\frac{Bits}{Hz}\right) \times (Total\ Transmit\ Bandwidth)}{Number\ of\ Subscribers} = Theoretical\ Maximum\ Capacity\ per\ subscriber$$

Equations 12 through 15 use inputs from multiple Technician Questionnaires (DSL, CMTS, FW, and FTTP) as referenced in step **4.4**. The common question across the Questionnaires is, "What is the capacity of you transport facilities in place from your consolidation location?". The calculation(s) performed are based upon the types of technology within the PFSA being evaluated, therefore the equations below may not be calculated for every PFSA validated. The numerator (Circuit Capacity) of this equation is in Mbps and automatically pulled into the calculation by the *SAV Execution Tool* from the relative Technician Questionnaire. The

denominator (Number of Subscribers) is also automatically pulled into the equation using the same method. The solution to these equations is the Maximum Capacity per user which is shown in Mbps. By preforming these calculations, the Regional Team is able to discern the Maximum Capacity per user of the transport facilities. This solution directly informs the Regional Team if the network can deliver service less or greater than 10Mbps at the transport layer.

Equation 12: DSL - Maximum Transport Circuit Capacity per user

$$\frac{Circuit\ Capacity}{Number\ of\ Subscribers} = Maximum\ Transport\ Circuit\ Capacity\ per\ user$$

Equation 13: CMTS - Maximum Transport Circuit Capacity per user

$$\frac{Circuit\ Capacity}{Number\ of\ Subscribers} = Maximum\ Transport\ Circuit\ Capacity\ per\ user$$

Equation 14: FW - Maximum Transport Circuit Capacity per user

$$\frac{Circuit\ Capacity}{Number\ of\ Subscribers} = Maximum\ Transport\ Circuit\ Capacity\ per\ user$$

Equation 15: FTTP - Maximum Transport Circuit Capacity per user

$$\frac{Circuit\ Capacity}{Number\ of\ Subscribers} = Maximum\ Transport\ Circuit\ Capacity\ per\ user$$

Equation 16 is the final potential type of calculation to be performed by the Regional Team during the validation of individual PFSAs. This equation uses inputs from the FTTP Technician Questionnaire as referenced in step **4.4**. The numerator (Aggregation Router Backplane Capacity), is provided in Mbps by the interviewee and automatically pulled into the calculation by the *SAV Execution Tool*. The denominator (Number of Subscribers), is also provided by the interviewee and pulled into the calculation by the same method. The solution to this equation is the Maximum Capacity per user which is also in Mbps. By performing this calculation, the Regional Team is able to discern the Maximum Capacity per user of the access facilities. This directly informs the Regional Team if the network can deliver service less or greater than 10Mbps at the access layer.

Equation 16: FTTP Maximum Capacity per user

$$\frac{Aggregation\ Router\ Backplane\ Capacity}{Number\ of\ Subscribers} = Maximum\ Capacity\ per\ user$$

4.7 Update SAV Field Worksheet

After the findings are logged within the *SAV Execution Tool*, the Regional Team updates the *SAV Field Worksheet* (as shown in **Table 27**), confirming they have prepared the application record and logged the supporting documentation and materials in the appropriate folder in the SAV Document Library.



Table 27: SAV Field Worksheet

Item	Observation
Relative PFSA Name	[Insert as provided on application]
Funding Type of Application	[Insert as provided on application]
Common Name of Applicant	[Insert as provided on application]
The below checklist items are to be conducted as part of Step 4.7 **ONLY**	
Date of checklist started	[MM/DD/YYY]
Date of checklist completed	[MM/DD/YYY]
Local time checklist started	[Insert]
Local time checklist completed	[Insert]
Field Interviews complete?	[Yes/No]
Collected/attempted to collect information from other public data sources?	[Yes/No]
Conducted/attempted to observe physical network infrastructure?	[Yes/No]
Conducted/attempted network calculations?	[Yes/No]
Regional Lead solved any PNR discrepancies?	[Yes/No]
Any unsolved PNR discrepancies were escalated to USDA?	[Yes/No]
Name(s) of Regional Team Member(s) who completed the above checklist items?	[Insert name(s)]
The below checklist items are to be conducted as part of Step 4.10 **ONLY**	
Date of checklist started	[MM/DD/YYY]
Date of checklist completed	[MM/DD/YYY]
Local time checklist started	[Insert]
Local time checklist completed	[Insert]
Field Research Report generated?	[Yes/No]
Field Research Report Findings concurred on by Regional Lead?	[Yes/No]
Did the Broadband SME render opinion on findings objection?	[Yes/No/Non-Applicable because there was concurrence]

Item	Observation
Was the SAV Execution Tool updated after Broadband SME provided opinion?	[Yes/No/Non-Applicable because there was concurrence]
If there was no concurrence, did the Regional Team regenerate the Field Research Report and complete steps 4.8 and gain concurrence from the Regional Lead? If no, steps 4.8.2 and 4.8.3 are repeated as necessary.	[Yes/No]
Is the Field Research Report ready for delivery to the Desktop Advisor?	[Yes/No]
If the Field Research Report is not ready for delivery to the Desktop Advisor, did the Regional Team repeat steps 4.8 through 4.8.3 until the Field Research Report was ready for delivery to the SAV Review Lead?	[Yes/No]
Is the Field Research Report ready to be routed to the Desktop Advisor?	[Yes/No]
Name(s) of Regional Team Member(s) who completed the above checklist items?	[Insert name(s)]

4.8 Generate Field Research Report

After the *SAV Field Worksheet* items are deemed complete by the Regional Team, the Regional Team runs the report by clicking "Report" in the *SAV Execution Tool*. This pulls data into a summary report of the PFSAs for a relative application and is stored within the *SAV Execution Tool* until step **4.9**. In this summary report, the Regional Team adds a text summary of the findings and determination for the PFSAs associated with the application in a free form text box. This finalizes the initial draft *SAV Findings & Determination Report*. Once the report is prepared, the Regional Team reviews the draft against the log in the *SAV Execution Tool* to confirm the data pull was successful. Once this is complete, the Regional Team sends the draft *SAV Findings & Determination Report* to the SAV Coordinator for archiving via email and copies the Regional Lead.

4.8.1 Decision Point – Concurrence on Findings?

The Regional Lead accesses SharePoint and reviews the draft *SAV Findings & Determination Report*. If the Regional Lead does not concur with the findings of the Regional Team, the Regional Lead engages the Broadband SME as described in step **4.8.2**. If the Regional Lead concurs with the findings of the Regional Team, the Regional Lead proceeds with step **4.9**.

4.8.2 Render Opinion on Findings Objection

If the Regional Lead does not concur with the findings of the Regional Team, the Regional Lead engages the Broadband SME to render an opinion on the discrepancies identified by the Regional Team. The Regional Lead sends a detailed email to the Broadband SME to ask their opinion on the comments left in the draft *SAV Findings & Determination Report.* The Broadband SME

renders an opinion within the draft *SAV Findings & Determination Report* and sends the updated draft *SAV Findings & Determination Report* to the Regional Lead. The Regional Lead forwards that email to the Regional Team and directs them to review the opinion. If necessary, the Regional Lead facilitates a conference call between the Regional Team, Regional Lead and Broadband SME. Once a determination is agreed upon, the Regional Team updates the *SAV Execution Tool* as described in step **4.8.3**. If a determination cannot be agreed upon by all parties, the matter is brought to the attention of the ReConnect Program Manager.

4.8.3 Update SAV Execution Tool

Once a findings determination is agreed upon, the Regional Team updates the information in the *SAV Execution Tool* as detailed via email from the Regional Lead. Once the *SAV Execution Tool* is updated, the Regional Team continues with the remaining steps in the process. This step must be repeated until there is concurrence on the findings in the draft *SAV Findings & Determination Report* before proceeding to step **4.9**. Once there is concurrence, the Regional Lead notifies the SAV Coordinator to execute step **4.9**.

4.9 Archive SAV Execution Tool on SharePoint

After the Regional Lead concurs with the findings of the Regional Team, the Regional Lead notifies the SAV Coordinator by email and the SAV Coordinator archives all supporting documentation and materials to the SAV Document Library for record keeping on SharePoint. If the materials are specific to one or multiple PFSAs associated with the application, sub-directory names according to the PFSA are created.

4.10 Update SAV Field Worksheet

Once the *SAV Execution Tool* is archived on SharePoint, the Regional Lead updates the *SAV Field Worksheet* started in step **4.7**, confirming the Regional Lead has concurred on the Field Research findings and all supporting documentation and materials in the *SAV Execution Tool* are archived on SharePoint.

4.11 Route Field Research Report to Desktop Advisor

After the Regional Lead completes the *SAV Field Worksheet,* the Regional Lead sends the Desktop Advisor an email with the link to the draft *SAV Findings & Determination Report* on SharePoint as well as a soft copy of the completed draft *SAV Findings & Determination Report*. The Regional Lead copies the SAV Coordinator on the same email to notify them to update the SAV Status Tracker. The Regional Lead then updates the SAV Checklist to indicate Field Research is complete.

4.12 Update SAV Status Tracker

Once the SAV Coordinator receives the email from the Regional Lead, the SAV Coordinator updates the SAV Status Tracker for the appropriate application record on SharePoint. The status update should be completed immediately upon receipt of the notification from the Regional Lead.

5.0 Prepare SAV Findings & Determination Report

After the Desktop and Field Research procedures are complete, the SAV findings are compiled into the draft *SAV Findings and Determination Report*, exported from the *SAV Execution Tool* for each application. The initial draft is reviewed by the Desktop Advisor before routing up to the SAV Review Lead and Regional Leads for additional quality assurance checks and concurrence reviews. The production of this draft report should take approximately two business days to complete. The outputs of this procedure are provided on **Table 28**.

Table 28: Prepare SAV Findings & Determination Report Procedure Outputs

Output Item	Required?	Description
Draft SAV Report	Yes	The first draft report that includes the outputs of the Desktop and Field Research procedures.
Notification of Closeout	Yes	A notification signaling the end of the Desktop and Field Research Teams supporting procedures 3.0 and 4.0 activities involvement in the SAV for the given application.

Prepare SAV Findings & Determination Report Procedure

5.1 Review Draft SAV Findings & Determination Report

Once the draft *SAV Findings & Determination Report* and *SAV Execution Tool* have been saved on SharePoint for a SAV, the QC Lead reviews the draft Report for general formatting, grammar, spelling, and other technical edits. Once complete, the QC Lead sends the draft *SAV Findings & Determination Report* to the Desktop Adivsor to review the report for completion and technical accuracy.

5.1.1 Decision Point—Draft Report Sufficiently Complete?

If the Desktop Advisor believes the draft *SAV Findings & Determination Report* is sufficiently complete for final reviews the Desktop Advisor proceeds to step **5.2**. Alternatively, if the report contains errors or there are incomplete sections, the Desktop Advisor proceeds to step **5.1.2**.

5.1.2 Locate Application Records and Availability of Missing Information

If information is determined to be missing from the report or analysis, the Desktop Advisor sends the report to the SAV Coordinator highlighting the errors or areas with missing information. The SAV Coordinator conducts due diligence to locate the missing information in the SAV Document Library and *SAV Execution Tool* saved on SharePoint. The SAV Coordinator may solicit the help of the Desktop Research Team as needed. Once this process is completed, the SAV Coordinator sends the updated draft *SAV Findings & Determination Report* to the Desktop Advisor for review.

5.2 Archive Draft SAV Report in SharePoint and Route to Regional Lead

Before routing the draft *SAV Findings & Determination Report* to the Regional Lead, the Desktop Advisor archives the report on SharePoint and updates the *SAV Checklist*. Once archived, the Desktop Advisor notifies the SAV Coordinator that the draft report for the SAV is sufficiently complete and ready for final review and routes the draft report to the Regional Lead.



5.3 Update SAV Status Tracker

Upon notification from the Desktop Advisor, the SAV Coordinator updates the SAV Status Tracker to "Under Review" for the application on SharePoint.



6.0 SAV Report Review and Submission

To ensure the final *SAV Findings & Determination Report* is thoroughly reviewed and the Team arrives at an eligibility determination aligned with the PFSA eligibility criteria described SAV Purpose (**Document Overview**), the SAV Review Team routes the *SAV Findings & Determination Report* through senior project reviewers before submitting to the Application Review Team. This process requires concurrence on eligibility, clear channels of authority and communication, and a thorough reading of the report for accuracy of the eligibility determination. The procedure begins with an initial review of the draft *SAV Findings & Determination Repor*t performed by the Regional Lead and culminates in the delivery of the final *SAV Findings & Determination Repor*t to the Application Case Manager.

SAV Report and Submission Procedure

6.1 Review Report and Confirm Eligibility Determination

After reviewing the report, the Regional Lead confirms the eligibility determination as provided on the summary page of the draft *SAV Findings & Determination Report*. The determination is based on the review of the report and the perceived confidence and quality of data collected.

6.2 Concur on Eligibility Determination

Upon confirming the eligibility determination, the Regional Lead forwards the report to the Regional Leads who were not assigned the application for concurrence. For example, if a SAV takes place in the Western region, the other Regional Leads consist of the Central and Eastern Regional Leads. After receiving the report from the designated Regional Lead, the other Regional Leads collaborate and determine whether they agree with the eligibility determination issued by the Field Research Team. Should the Regional Leads *agree* on the determination, the process proceeds to step **6.4**. Should the Regional Leads *disagree* on the eligibility determination, the report is escalated to the Broadband SME per step **6.3**.

6.3 Render Final Determination

If the Regional Leads do not reach concurrence on the final eligibility determination, the report is routed to the Broadband SME for review. The Broadband SME relies on technical knowledge and interpretation of the data in the report to issue guidance and any next steps to clarify outstanding questions. The Broadband SME authors a memo and includes the details provided in **Table 29**. This report is sent back to the Regional Team for final determination. If **6.3** is executed, this memo becomes a component of the final *SAV Findings & Determination Report*.



Table 29: Broadband SME Memo Contents

Output Item	Required?	Description
Next Steps and Guidance	Yes	If additional Field Research is required to clarify the justification for the eligibility determination issued by the Field Research Ream, the Broadband SME will draft these instructions, detailing key activities and outputs thereof to be included in the Field Research Report before submission.
Justification	Yes	The Broadband SME details the reasoning behind the guidance and next steps issued, explaining what actions and data points should be collected to clarify the eligibility determination.

6.4 Conduct Quality Assurance on Final Report

After the report is archived on the SharePoint site, the SAV Review Lead conducts a final quality assurance review, making any adjustments to the report as needed.

6.5 Archive SAV Findings & Determination Report to SharePoint

After the final report and eligibility determination is confirmed by the Regional Leads or the Broadband SME, the SAV Coordinator archives the report on SharePoint. To maintain version control, the final report is labeled with unique identifiers in the following format: "AppID_SAV Report_Date)" and is saved in PDF format in the SAV Document Library.

6.6 Route SAV Report to Application Case Manager

Upon archiving the report, the SAV Review Lead sends the final *SAV Findings & Determination Report* to the Application Case Manager. The SAV Coordinator formally closes-out the report, notifying the SAV Review Team that the SAV is complete and updates the *SAV Checklist* to indicate that the *SAV Findings & Determination Report* has been submitted to the Application Case Manager.