S. 559

To promote the production and use of renewable energy, and for other purposes.

IN THE SENATE OF THE UNITED STATES

MARCH 10, 2011

Ms. KLOBUCHAR introduced the following bill; which was read twice and referred to the Committee on Finance

A BILL

To promote the production and use of renewable energy, and for other purposes.

Be it enacted by the Senate and House of Representa-
tives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

(a) IN GENERAL.—This Act may be cited as the “Se-
curing America’s Future with Energy and Sustainable
Technologies Act”.

(b) TABLE OF CONTENTS.—The table of contents of
this Act is as follows:

Sec. 1. Short title; table of contents.
Sec. 2. Definition of Secretary.

TITLE I—RENEWABLE FUEL PROGRAM
Sec. 101. Definition of advanced biofuel.
Sec. 102. Biomass-based diesel.
Sec. 103. International indirect land use changes.
Sec. 104. Modification of definition of renewable biomass.

TITLE II—PRODUCTION AND USE OF RENEWABLE FUEL

Sec. 201. Loan guarantees for projects to construct renewable fuel pipelines.
Sec. 202. Open fuel standard for transportation.
Sec. 203. Tax incentives for qualified blender pumps.
Sec. 204. Blender pump installation.

TITLE III—RENEWABLE ENERGY TAX EXTENSIONS

Sec. 301. Modification of credit for alcohol used as fuel.
Sec. 302. Reform of biodiesel income tax incentives.
Sec. 303. Reform of biodiesel excise tax incentives.
Sec. 304. Biodiesel treated as taxable fuel.

TITLE IV—RENEWABLE ELECTRICITY INTEGRATION CREDIT

Sec. 401. Renewable electricity integration credit.

TITLE V—WIND ENERGY

Sec. 501. Removal of certain tax restrictions to promote expansion of capital for wind farm investment.

TITLE VI—RENEWABLE ELECTRICITY AND ENERGY EFFICIENCY RESOURCE STANDARDS

Sec. 601. Renewable electricity and energy efficiency resource standards.
Sec. 602. Energy efficiency resource standard for retail electricity and natural gas distributors.
Sec. 603. Voluntary renewable energy markets.

SEC. 2. DEFINITION OF SECRETARY.

In this Act, the term “Secretary” means the Secretary of Energy.

TITLE I—RENEWABLE FUEL PROGRAM

SEC. 101. DEFINITION OF ADVANCED BIOFUEL.

Section 211(o)(1)(B) of the Clean Air Act (42 U.S.C. 7545(o)(1)(B)) is amended—

(1) in clause (i), by striking “, other than ethanol derived from corn starch,”; and
(2) in clause (ii)(II), by striking “(other than corn starch)”.

SEC. 102. BIOMASS-BASED DIESEL.

Section 211(o)(2)(A) of the Clean Air Act (42 U.S.C. 7545(o)(2)(A)) is amended by adding at the end the following:

“(v) GRANDFATHERING BIOMASS-BASED DIESEL.—The Administrator shall promulgate regulations that exempt from the lifecycle greenhouse gas requirements of subparagraphs (B) and (D) of paragraph (1) up to the greater of 1,000,000,000 gallons or the volume mandate adopted pursuant to subparagraph (B)(ii), of biomass-based diesel annually from facilities that commenced construction before December 19, 2007.”.

SEC. 103. INTERNATIONAL INDIRECT LAND USE CHANGES.

Section 211(o) of the Clean Air Act (42 U.S.C. 7545(o)) is amended by adding at the end the following:

“(13) INTERNATIONAL INDIRECT LAND USE CHANGES.—

“(A) EXCLUSION FROM REGULATORY REQUIREMENTS REGARDING LIFECYCLE GREENHOUSE GAS EMISSIONS.—Notwithstanding the
definition of ‘lifecycle greenhouse gas emissions’ in paragraph (1)(H), for purposes of determining whether a fuel meets a definition under paragraph (1) or complies with paragraph (2)(A)(i), the Administrator shall exclude emissions from indirect land use changes outside the country of origin of the feedstock of a renewable fuel.

“(B) NATIONAL ACADEMIES OF SCIENCE REPORT.—

“(i) IN GENERAL.—Not later than 180 days after the date of enactment of this paragraph, the Administrator and the Secretary of Agriculture shall jointly arrange for the National Academies of Science to review and report on specified issues relating to indirect greenhouse gas emissions relating to transportation fuels.

“(ii) MODELS AND METHODOLOGIES.—The report shall evaluate and report on whether there are economic and environmental models and methodologies that individually, or as a system, can project with reliability, predictability, and confidence—
“(I) for purposes of determining whether a fuel meets a definition under paragraph (1) or complies with paragraph (2)(A)(i), indirect land use changes that are related to the production of renewable fuels and that may occur outside the country in which the feedstocks are grown, and the impacts of those changes on greenhouse gas emissions; and

“(II) indirect effects, both domestic and international, related to the production and importation of nonrenewable transportation fuels that have significant greenhouse gas emissions, and the impact of those effects on greenhouse gas emissions.

“(iii) Administration.—

“(I) In General.—The report shall—

“(aa) include a review and assessment of all pertinent scientific studies, methodologies, and data;
“(bb) evaluate potential methodologies for calculating emissions (including an evaluation of methods for annualizing emissions associated with forest degradation or land conversion); and

“(cc) make appropriate recommendations.

“(II) INDIRECT EFFECTS.—The recommendations shall address indirect effects, both domestic and international, relating to the production and importation of nonrenewable transportation fuels that have significant greenhouse gas emissions.

“(III) VALIDATION.—The report shall use appropriate validation procedures, including sensitivity analyses, to measure how results change as assumptions change.

“(IV) MODELS.—The evaluation shall include a model, methodology, or system of models that assesses how
reliably the models, methodologies, or systems—

“(aa) track actual outcomes over historical periods using available historical data; and

“(bb) will project future outcomes.

“(iv) AVAILABILITY.—The report shall—

“(I) be publicly available; and

“(II) include sufficient information and data so that economists and other scientists with relevant expertise that are not on the National Academies of Science panel can fully evaluate the conclusions of the report.

“(v) DEADLINE.—The report shall be completed not later than 3 years after the date of enactment of this paragraph.

“(C) DETERMINATION.—

“(i) IN GENERAL.—The Administrator and the Secretary of Agriculture shall, after notice and an opportunity for public comment, determine—
“(I) whether, for purposes of determining compliance with the percent reductions in lifecycle greenhouse gas emissions specified in paragraph (1) for various renewable fuels, scientifically valid models and methodologies exist to project indirect land use changes that are related to the production of renewable fuels and that occur outside the country in which the feedstocks are grown outside the country of origin of the feedstocks; and

“(II) the impact of those changes on greenhouse gas emissions.

“(ii) BASIS.—

“(I) REPORT.—The determination shall take into account the findings and recommendations of the report required under subparagraph (B), as well as other available scientific, economic, and other relevant information.

“(II) OTHER FEDERAL AGENCIES.—The Administrator and the
Secretary of Agriculture may also consider methods used by the Environmental Protection Agency, the Department of Agriculture, and other Federal agencies to assess or guide related policies.

“(iii) Publication of determinations.—

“(I) In general.—The Administrator and the Secretary of Agriculture shall publish—

“(aa) a proposed determination not later than 4 years after the date of enactment of this paragraph; and

“(bb) a final determination not later than 5 years after the date of enactment of this paragraph.

“(II) Explanation.—An explanation and justification of the determination shall be included in the proposed and final actions, together with a response to comments received.

“(D) Response to determination.—
“(i) POSITIVE DETERMINATION.—

“(I) IN GENERAL.—In the case of a positive determination under subparagraph (C), the Administrator and the Secretary of Agriculture shall, after notice and an opportunity for public comment, by the same date jointly establish 1 or more methodologies to calculate greenhouse gas emissions from indirect land use changes that are attributable to the production of renewable fuels and that occur outside the country in which feedstocks are grown outside the country of origin of the feedstock for purposes of calculating the lifecycle greenhouse gas emissions of a renewable fuel to determine whether the renewable fuel meets a definition under paragraph (1) or complies with paragraph (2)(A)(i).

“(II) ADMINISTRATION.—In the calendar year following a positive determination under subparagraph (C)—
“(aa) the exclusion under subparagraph (A) shall terminate; and

“(bb) the Administrator shall promulgate a regulation by the same date that shall include emissions from indirect land use changes outside the country of origin of a feedstock of a renewable fuel for purposes of calculating the lifecycle greenhouse gas emissions of the renewable fuel to determine whether the renewable fuel meets a definition under paragraph (1) or complies with paragraph (2)(A)(i) for renewable fuels sold in the calendar year.

“(III) EFFECTIVE DATE.—The effective date of the regulation shall be 6 years after the date of enactment of this paragraph.

“(ii) NEGATIVE DETERMINATION.—A negative determination under subpara-
graph (C) shall include a statement of the
basis for the determination.

“(E) ACCOUNTABILITY.—The joint duties
and actions of the Administrator and the Sec-}
retary of Agriculture under this paragraph shall
be subject to sections 304 and 307 as if the du-
ties and actions were the duties and actions of
the Administrator alone.”.

SEC. 104. MODIFICATION OF DEFINITION OF RENEWABLE
BIOMASS.

(a) NATIONAL ACADEMY OF SCIENCES REPORT.—
Not later than 1 year after the date of enactment of this
Act, the Administrator of the Environmental Protection
Agency, the Secretary of Agriculture, and the Federal En-
ergy Regulatory Commission shall jointly enter into an ar-
rangement with the National Academy of Sciences to
evaluate how sources of renewable biomass contribute to
the goals of increasing the energy independence of the
United States, protecting the environment, and reducing
global warming pollution.

(b) MODIFICATION.—

(1) EPA MODIFICATION AUTHORITY.—After re-
viewing the report required by subsection (a), the
Administrator of the Environmental Protection
Agency, with the concurrence of the Secretary of Ag-
riculture, may, by regulation and after public notice
and comment, modify the non-Federal land portion
of the definition of “renewable biomass” in section
211(o)(1)(I) of the Clean Air Act (42 U.S.C.
7545(o)(1)(I)) and in section 610 of the Public Util-
ity Regulatory Policies Act of 1978 in order to ad-
vance the goals of increasing the energy independ-
ence of the United States, protecting the environ-
ment, and reducing global warming pollution.

(2) FERC MODIFICATION AUTHORITY.—After
reviewing the report required by subsection (a), the
Federal Energy Regulatory Commission, with the
concurrence of the Secretary of Agriculture, may, by
regulation and after public notice and comment,
modify the non-Federal lands portion of the defini-
tion of “renewable biomass” in section 610(a) of the
Public Utility Regulatory Policies Act of 1978 in
order to advance the goals of increasing the energy
independence of the United States, protecting the
environment, and reducing global warming pollution.

(c) FEDERAL LAND.—

(1) SCIENTIFIC REVIEW.—Not later than 1 year
after the date of enactment of this Act, the Sec-
retary of the Interior, the Secretary of Agriculture,
and the Administrator of the Environmental Protec-
tion Agency shall conduct a joint scientific review to evaluate how sources of biomass from Federal land could contribute to the goals of increasing the energy independence of the United States, protecting the environment, and reducing global warming pollution.

(2) MODIFICATION AUTHORITY.—Based on the scientific review, the agencies may, by rule, modify the definition of “renewable biomass” from Federal land in sections 211(o)(1)(I) of the Clean Air Act (42 U.S.C. 7545(o)(1)(I)) and section 610 of the Public Utility Regulatory Policies Act of 1978, as appropriate, to advance the goals of increasing the energy independence of the United States, protecting the environment, and reducing global warming pollution.

TITLE II—PRODUCTION AND USE OF RENEWABLE FUEL

SEC. 201. LOAN GUARANTEES FOR PROJECTS TO CONSTRUCT RENEWABLE FUEL PIPELINES.

(a) DEFINITIONS.—Section 1701 of the Energy Policy Act of 2005 (42 U.S.C. 16511) is amended by adding at the end the following:

“(6) RENEWABLE FUEL.—The term ‘renewable fuel’ has the meaning given the term in section
211(o)(1) of the Clean Air Act (42 U.S.C. 7545(o)(1)), except that the term shall include all ethanol and biodiesel.

“(7) RENEWABLE FUEL PIPELINE.—The term ‘renewable fuel pipeline’ means a pipeline for transporting renewable fuel.”.

(b) AMOUNT.—Section 1702(c) of the Energy Policy Act of 2005 (42 U.S.C. 16512(c)) is amended—

(1) by striking “Unless otherwise” and inserting the following:

“(1) IN GENERAL.—Unless otherwise”; and

(2) by adding at the end the following:

“(2) RENEWABLE FUEL PIPELINES.—A guarantee for a project described in section 1703(b)(11) shall be in an amount equal to 80 percent of the project cost of the facility that is the subject of the guarantee, as estimated at the time at which the guarantee is issued.”.

(c) REASONABLE PROSPECT OF REPAYMENT.—Section 1702(d) of the Energy Policy Act of 2005 (42 U.S.C. 16512(d)) is amended by adding at the end the following:

“(4) RENEWABLE FUEL PIPELINE.—In determining under paragraph (1) whether there is a reasonable prospect of repayment with respect to a renewable fuel pipeline project described in section
1703(b)(11), the Secretary shall not require a demonstration of existing contractual obligations for a specific minimum capacity of pipeline usage.”.

(d) Renewable Fuel Pipeline Eligibility.—

Section 1703(b) of the Energy Policy Act of 2005 (42 U.S.C. 16513(b)) is amended by adding at the end the following:

“(11) Renewable fuel pipelines.”.

(e) Rapid Deployment of Renewable Fuel.—

Section 1705 of the Energy Policy Act of 2005 (42 U.S.C. 16516) is amended—

(1) in subsection (a)—

(A) in the matter preceding paragraph (1), by inserting “or, in the case of projects described in paragraph (4), September 30, 2013” before the colon at the end; and

(B) by adding at the end the following:

“(4) Installation of sufficient infrastructure to allow for the cost-effective deployment of clean energy technologies appropriate to each region of the United States, including the deployment of renewable fuel pipelines through loan guarantees in an amount equal to 80 percent of the cost.”; and
(2) in subsection (e), by inserting ‘‘or, in the case of projects described in subsection (a)(4), September 30, 2013’’ before the period at the end.

(f) REGULATIONS.—Not later than 90 days after the date of enactment of this Act, the Secretary of Energy shall issue such regulations as are necessary to carry out the amendments made by this section.

SEC. 202. OPEN FUEL STANDARD FOR TRANSPORTATION.

(a) IN GENERAL.—Chapter 329 of title 49, United States Code, is amended by adding at the end the following:

“SEC. 32920. OPEN FUEL STANDARD FOR TRANSPORTATION.

“(a) DEFINITIONS.—In this section:

“(1) E85.—The term ‘E85’ means a fuel mixture containing approximately 85 percent ethanol and 15 percent gasoline or a special fuel by volume.

“(2) FLEXIBLE FUEL AUTOMOBILE.—The term ‘flexible fuel automobile’ means an automobile that has been warranted by its manufacturer to operate on gasoline, E85, and M85.

“(3) FUEL CHOICE-ENABLING AUTOMOBILE.—The term ‘fuel choice-enabling automobile’ means—

“(A) a flexible fuel automobile;
“(B) an automobile that has been warrantied by its manufacturer to operate on biodiesel;

“(C) an automobile that uses hydrogen fuel cell technology;

“(D) a hybrid automobile, or an automobile with any other technology, that uses at least—

“(i) during the 10-year period beginning on the date of enactment of this section, 50 percent less fossil fuel per mile than the average of vehicles in the class of the hybrid automobile or an automobile with any other technology (under the applicable corporate average fuel standard under section 32902 of title 49, United States Code); and

“(ii) effective beginning 10 years after the date of enactment of this section, 75 percent less fossil fuel per mile than the average of vehicles in the class of the hybrid automobile or an automobile with any other technology (under the applicable corporate average fuel standard under section 32902 of title 49, United States Code); or
“(E) an automobile that only uses an electric motor to move the vehicle.

“(4) HYBRID AUTOMOBILE.—The term ‘hybrid automobile’ means a light-duty automobile that uses 2 or more distinct power sources to move the vehicle.

“(5) LIGHT-DUTY AUTOMOBILE.—The term ‘light-duty automobile’ means a light-duty automobile (as defined in regulations promulgated by the Secretary of Transportation to establish corporate average fuel standards under section 32902 of title 49, United States Code).

“(6) LIGHT-DUTY AUTOMOBILE MANUFACTURER’S ANNUAL COVERED INVENTORY.—The term ‘light-duty automobile manufacturer’s annual covered inventory’ means the number of light-duty automobiles powered solely by an internal combustion engine that a manufacturer, during a given calendar year, manufactures in the United States or imports from outside of the United States for sale in the United States.

“(7) M85.—The term ‘M85’ means a fuel mixture containing 85 percent methanol and 15 percent gasoline by volume.

“(b) OPEN FUEL STANDARD FOR TRANSPORTATION.—
“(1) IN GENERAL.—Except as provided in paragraph (2), each light-duty automobile manufacturer’s annual covered inventory shall be comprised of—

“(A) not less than 30 percent fuel choice-enabling automobiles by model year 2013;

“(B) not less than 50 percent fuel choice-enabling automobiles by model year 2015;

“(C) not less than 80 percent fuel choice-enabling automobiles by model year 2017; and

“(D) not less than 100 percent of fuel choice-enabling automobiles by model year 2021 and each model year thereafter.

“(2) TEMPORARY EXEMPTION FROM REQUIREMENTS.—

“(A) APPLICATION.—A manufacturer may request an exemption from the requirement described in paragraph (1) by submitting an application to the Secretary, at such time, in such manner, and containing such information as the Secretary may require by regulation. Each such application shall specify the models, lines, and types of automobiles affected.

“(B) EVALUATION.—After evaluating an application received from a manufacturer, the

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Secretary may at any time, under such terms and conditions, and to such extent as the Secretary considers appropriate, temporarily exempt, or renew the exemption of, a light-duty automobile from the requirement described in paragraph (1) if the Secretary determines that 1 or more of the following unavoidable events that are not under the control of the manufacturer prevent the manufacturer of such automobile from meeting its required production volume of fuel choice-enabling automobiles:

“(i) A disruption in the supply of any component required for compliance with the regulations.

“(ii) A disruption in the use and installation by the manufacturer of such component.

“(iii) The failure for plug-in hybrid electric automobiles to meet State air quality requirements as a result of the requirement described in paragraph (1).

“(C) CONSOLIDATION.—The Secretary may consolidate applications received from multiple manufactures under subparagraph (A) if they are of a similar nature.
“(D) NOTICE.—The Secretary shall publish in the Federal Register—

“(i) notice of each application received from a manufacturer;

“(ii) notice of each decision to grant or deny a temporary exemption; and

“(iii) the reasons for granting or denying such exemptions.

“(e) LIMITED LIABILITY PROTECTION FOR RENEWABLE FUEL AND ETHANOL MANUFACTURE, USE, OR DISTRIBUTION.—

“(1) IN GENERAL.—Notwithstanding any other provision of Federal or State law, any fuel containing ethanol or a renewable fuel (as defined in section 211(o)(1) of the Clean Air Act) that is used or intended to be used to operate an internal combustion engine shall not be deemed to be a defective product or subject to a failure to warn due to such ethanol or renewable fuel content unless such fuel violates a control or prohibition imposed by the Administrator under section 211 of the Clean Air Act (42 U.S.C. 7545).

“(2) SAVINGS PROVISION.—Nothing in this subsection may be construed to affect the liability of any person other than liability based upon a claim
of defective product and failure to warn described in paragraph (1).

“(d) RULEMAKING.—Not later than 1 year after the date of the enactment of this section, the Secretary of Transportation shall promulgate regulations to carry out this section in consultation with the Administrator and taking into consideration existing regulations.”.

(b) CONFORMING AMENDMENT.—The analysis for chapter 329 of title 49, United States Code, is amended by adding at the end the following:

“Sec. 32920. Open fuel standard for transportation.”.

SEC. 203. TAX INCENTIVES FOR QUALIFIED BLENDER PUMPS.

(a) CREDIT FOR INSTALLATION OF BLENDER PUMPS.—Section 30C of the Internal Revenue Code of 1986 is amended by redesignating subsections (f) and (g) as subsections (g) and (h), respectively, and by inserting after subsection (e) the following new subsection:

“(f) TREATMENT OF BLENDER PUMPS AS QUALIFIED ALTERNATIVE FUEL VEHICLE REFUELING PROPERTY.—

“(1) IN GENERAL.—A qualified blender pump shall be treated as qualified alternative refueling property under this section.

“(2) QUALIFIED BLENDER PUMP.—For purposes of this subsection, the term ‘qualified blender pump...
pump’ means property (not including a building or its structural components)—

“(A) which is subject to the allowance for depreciation or which is installed on property which is used as a principal residence,

“(B) the original use of which begins with the taxpayer, and

“(C) which is for the storage or dispensing of a qualified ethanol blend into the fuel tank of a motor vehicle (as defined in section 179A(e)(2)) propelled by such blend, but only if—

“(i) the storage or dispensing is at the point where such fuel is delivered into the fuel tank of the motor vehicle, and

“(ii) such property is capable of dispensing qualified ethanol blends of not less than 3 different percentage volumes of ethanol which may be selected by the pump operator.

“(3) QUALIFIED ETHANOL BLEND.—For purposes of this subsection, the term ‘qualified ethanol blend’ means any fuel which is not less than 20 percent ethanol by volume and not more than 85 percent ethanol by volume.”.
(b) EFFECTIVE DATE.—The amendment made by this subsection shall apply to property placed in service after the date of the enactment of this Act.

SEC. 204. BLENDER PUMP INSTALLATION.

(a) DEFINITIONS.—In this section:

(1) BLENDER PUMP.—The term “blender pump” means an automotive fuel dispensing pump capable of dispensing at least 3 different blends of gasoline and ethanol, as selected by the pump operator, including blends ranging from 0 percent ethanol to 85 percent denatured ethanol, as determined by the Secretary.

(2) COVERED ENTITY.—The term “covered entity” means an individual or entity that owns or manages 10 or more retail fueling stations.

(3) E–85 FUEL.—The term “E–85 fuel” means a blend of gasoline approximately 85 percent of the content of which is ethanol.

(4) ETHANOL FUEL BLEND.—The term “ethanol fuel blend” means a blend of gasoline or a special fuel and ethanol, with a minimum of 0 percent and maximum of 85 percent of the content of which is denatured ethanol.

(b) MANDATE.—
(1) IN GENERAL.—Subject to paragraph (2), the Secretary shall, by regulation, require each covered entity to install, at each retail fueling station owned or managed by the covered entity, as a replacement for each pump at the retail fueling station that requires replacement after the effective date described in paragraph (2)—

(A) a blender pump; and

(B) all blender pump fuel infrastructure, including infrastructure necessary—

(i) for the direct retail sale of ethanol fuel blends (including E–85 fuel), including blender pumps, transmission lines, and storage tanks; and

(ii) to directly market ethanol fuel blends (including E–85 fuel) to gas retailers, including inline blending equipment, pumps, storage tanks, and loadout equipment.

(2) EFFECTIVE DATE.—The effective date of the regulations described in paragraph (1) shall be January 1, 2013.
TITLE III—RENEWABLE ENERGY
TAX EXTENSIONS

SEC. 301. MODIFICATION OF CREDIT FOR ALCOHOL USED AS FUEL.

(a) IN GENERAL.—Section 40 of the Internal Revenue Code of 1986 is amended to read as follows:

"SEC. 40. ALCOHOL, ETC., USED AS FUEL.

"(a) GENERAL RULE.—For purposes of section 38, the alcohol fuels credit determined under this section for the taxable year is an amount equal to the sum of—

"(1) the credit amount for each gallon of qualified alcohol production during such taxable year,

"(2) the cellulosic biofuel producer credit determined under subsection (c) for such taxable year, plus

"(3) in the case of an eligible small ethanol producer, the small ethanol producer credit.

"(b) QUALIFIED ALCOHOL PRODUCTION.—For purposes of this section—

"(1) IN GENERAL.—The term ‘qualified alcohol production’ means qualified alcohol which is produced by the taxpayer and which—

"(A) is sold by the taxpayer to another person—
“(i) for use by such other person in the production of a qualified mixture in the ordinary course of such other person’s trade or business,

“(ii) for use by such other person as a fuel in the ordinary course of such other person’s trade or business (other than casual off-farm production), or

“(iii) who sells such alcohol at retail to another person and places such alcohol in the fuel tank of such other person, or

“(B) is used or sold by the taxpayer for any purpose described in subparagraph (A).

“(2) QUALIFIED ALCOHOL.—The term ‘qualified alcohol’ means alcohol—

“(A) which has lifecycle greenhouse gas emissions that are at least 15 percent less than baseline lifecycle greenhouse gas emissions (as determined by the Administrator of the Environmental Protection Agency, in conjunction with the Secretary of Agriculture), and

“(B) which has a proof of not less than 200 (determined without regard to any added denaturants), and
does not include any alcohol which is purchased by
the producer and the proof of which is increased by
the producer by additional distillation.

“(3) ALCOHOL.—The term ‘alcohol’ includes
methanol and ethanol, without regard to the feed-
stock from which such alcohol is produced.

“(4) QUALIFIED MIXTURE.—The term ‘quali-
fied mixture’ means a mixture of alcohol and gaso-
line or of alcohol and a special fuel which—

“(A) is sold by the person producing such
mixture to any person for use as a fuel, or

“(B) is used as a fuel by the person pro-
ducing such mixture.

“(5) DENIAL OF DOUBLE BENEFIT.—The
amount of any qualified alcohol production which is
qualified cellulosic biofuel production shall not be
taken into account under subsection (a)(1).

“(6) CREDIT AMOUNT.—For purposes of sub-
section (a)(1), the credit amount shall be determined
in accordance with the following table:

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<tr>
<th>In the case of any sale or use during calendar year:</th>
<th>The credit amount is:</th>
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<tr>
<td>2012 ...........................................................................</td>
<td>20 cents</td>
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<td>2013 ...........................................................................</td>
<td>15 cents</td>
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<td>2014 ...........................................................................</td>
<td>10 cents</td>
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<td>2015 or thereafter ..................................................</td>
<td>5 cents</td>
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“(c) CELLULOSIC BIOFUEL PRODUCER CREDIT.—
“(1) IN GENERAL.—The cellulosic biofuel producer credit determined under this subsection of any taxpayer is an amount equal to $1.01 for each gallon of qualified cellulosic biofuel production.

“(2) QUALIFIED CELLULOSIC BIOFUEL PRODUCTION.—For purposes of this subsection, the term ‘qualified cellulosic biofuel production’ means any cellulosic biofuel which is produced by the taxpayer, and which during the taxable year—

“(A) is sold by the taxpayer to another person—

“(i) for use by such other person in the production of a qualified cellulosic biofuel mixture in such other person’s trade or business (other than casual off-farm production),

“(ii) for use by such other person as a fuel in a trade or business, or

“(iii) who sells such cellulosic biofuel at retail to another person and places such cellulosic biofuel in the fuel tank of such other person, or

“(B) is used or sold by the taxpayer for any purpose described in subparagraph (A).
The qualified cellulosic biofuel production of any taxpayer for any taxable year shall not include any alcohol which is purchased by the taxpayer and with respect to which such producer increases the proof of the alcohol by additional distillation.

“(3) Qualified Cellulosic Biofuel Mixture.—For purposes of this subsection, the term ‘qualified cellulosic biofuel mixture’ means a mixture of cellulosic biofuel and gasoline or of cellulosic biofuel and a special fuel which—

“(A) is sold by the person producing such mixture to any person for use as a fuel, or

“(B) is used as a fuel by the person producing such mixture.

“(4) Cellulosic Biofuel.—For purposes of this subsection—

“(A) In General.—The term ‘cellulosic biofuel’ means any liquid fuel which—

“(i) is produced from any lignocellulosic or hemicellulosic matter that is available on a renewable or recurring basis, and

“(ii) meets the registration requirements for fuels and fuel additives established by the Environmental Protection
Agency under section 211 of the Clean Air Act (42 U.S.C. 7545).

“(B) Exclusion of low-proof alcohol.—Such term shall not include any alcohol with a proof of less than 200. The determination of the proof of any alcohol shall be made without regard to any added denaturants.

“(C) Exclusion of unprocessed fuels.—The term ‘cellulosic biofuel’ shall not include any fuel if—

“(i) more than 4 percent of such fuel (determined by weight) is any combination of water and sediment, or

“(ii) the ash content of such fuel is more than 1 percent (determined by weight).

“(5) Allocation of cellulosic biofuel producer credit to patrons of cooperative.—

“(A) Election to allocate.—

“(i) In general.—In the case of a cooperative organization described in section 1381(a), any portion of the credit determined under this subsection for the taxable year may, at the election of the organization, be apportioned pro rata among
patrons of the organization on the basis of
the quantity or value of business done with
or for such patrons for the taxable year.

“(ii) FORM AND EFFECT OF ELECT-
TION.—An election under clause (i) for any
taxable year shall be made on a timely
filed return for such year. Such election,
one once made, shall be irrevocable for such
taxable year. Such election shall not take
effect unless the organization designates
the apportionment as such in a written no-
tice mailed to its patrons during the pay-
ment period described in section 1382(d).

“(B) TREATMENT OF ORGANIZATIONS AND
PATRONS.—

“(i) ORGANIZATIONS.—The amount of
the credit not apportioned to patrons pur-
suant to subparagraph (A) shall be in-
cluded in the amount determined under
this subsection for the taxable year of the
organization.

“(ii) PATRONS.—The amount of the
credit apportioned to patrons pursuant to
subparagraph (A) shall be included in the
amount determined under this subsection
34

for the first taxable year of each patron
ending on or after the last day of the pay-
ment period (as defined in section
1382(d)) for the taxable year of the orga-
nization or, if earlier, for the taxable year
of each patron ending on or after the date
on which the patron receives notice from
the cooperative of the apportionment.

“(iii) Special rules for decrease
in credits for taxable year.—If the
amount of the credit of the organization
determined under this subsection for a tax-
able year is less than the amount of such
credit shown on the return of the organiza-
tion for such year, an amount equal to the
excess of—

“(I) such reduction, over

“(II) the amount not apportioned
to such patrons under subparagraph
(A) for the taxable year,
shall be treated as an increase in tax im-
posed by this chapter on the organization.
Such increase shall not be treated as tax
imposed by this chapter for purposes of de-
terminating the amount of any credit under this chapter or for purposes of section 55.

“(d) SMALL ETHANOL PRODUCER CREDIT.—

“(1) IN GENERAL.—The small ethanol producer credit of any eligible small ethanol producer for any taxable year is 10 cents for each gallon of qualified ethanol fuel production of such producer.

“(2) QUALIFIED ETHANOL FUEL PRODUCTION.—For purposes of this subsection, the term ‘qualified ethanol fuel production’ means any qualified alcohol which is ethanol and which is produced by an eligible small ethanol producer.

“(3) LIMITATION.—The qualified ethanol fuel production of any producer for any taxable year shall not exceed 15,000,000 gallons (determined without regard to any qualified cellulosic biofuel production).

“(4) ADDITIONAL DISTILLATION EXCLUDED.—The qualified ethanol fuel production of any producer for any taxable year shall not include any alcohol which is purchased by the producer and with respect to which such producer increases the proof of the alcohol by additional distillation.

“(5) ELIGIBLE SMALL ETHANOL PRODUCER.—
“(A) IN GENERAL.—For purposes of this subsection, the term ‘eligible small ethanol pro-
ducer’ means a person who, at all times during the taxable year, has a productive capacity for alcohol (as defined in subsection (b)(3)) not in excess of 60,000,000 gallons.

“(B) AGGREGATION RULE.—For purposes of the 15,000,000 gallon limitation under para-
graph (3) and the 60,000,000 gallon limitation under subparagraph (A), all members of the same controlled group of corporations (within the meaning of section 267(f)) and all persons under common control (within the meaning of section 52(b) but determined by treating an interest of more than 50 percent as a controlling interest) shall be treated as 1 person.

“(C) PARTNERSHIPS, S CORPORATIONS, AND OTHER PASS-THRU ENTITIES.—In the case of a partnership, trust, S corporation, or other pass-thru entity, the limitations contained in paragraph (3) and subparagraph (A) shall be applied at the entity level and at the partner or similar level.

“(D) ALLOCATION.—For purposes of this subsection, in the case of a facility in which
more than 1 person has an interest, productive
capacity shall be allocated among such persons
in such manner as the Secretary may prescribe.

“(E) REGULATIONS.—The Secretary may
prescribe such regulations as may be nec-
essary—

“(i) to prevent the credit under this
subsection from directly or indirectly benef-
fitting any person with a direct or indirect
productive capacity of more than
60,000,000 gallons of alcohol during the
taxable year, or

“(ii) to prevent any person from di-
rectly or indirectly benefitting with respect
to more than 15,000,000 gallons of ethanol
during the taxable year.

“(6) ALLOCATION OF SMALL ETHANOL PRO-
DUCER CREDIT TO PATRONS OF COOPERATIVE.—
Rules similar to the rules of subsection (c)(5) shall
apply for purposes of this subsection.

“(e) PERFORMANCE CREDIT FOR ALCOHOL.—

“(1) IN GENERAL.—In the case of any qualified
alcohol production in a taxable year from qualified
alcohol which has a baseline lifecycle greenhouse gas
improvement of not less than 50 percent, the credit
amount determined under subsection (a)(1) for such taxable year with respect to such production shall be increased by the applicable amount.

“(2) APPLICABLE AMOUNT.—For purposes of paragraph (1), the applicable amount is—

“(A) 5 cents for every gallon of qualified alcohol production from qualified alcohol which has a baseline lifecycle greenhouse gas improvement of not less than 50 percent and less than 75 percent,

“(B) 15 cents for every gallon of qualified alcohol production from qualified alcohol which has a baseline lifecycle greenhouse gas improvement of not less than 75 percent and less than 90 percent, and

“(C) 25 cents for every gallon of qualified alcohol production from qualified alcohol which has a baseline lifecycle greenhouse gas improvement of not less than 90 percent.

“(3) BASELINE LIFECYCLE GREENHOUSE GAS IMPROVEMENT.—For purposes of this subsection, the term ‘baseline lifecycle greenhouse gas improvement’ means the amount, expressed as a percentage, which is—
“(A) the direct lifecycle greenhouse gas emissions of an alcohol, divided by

“(B) the baseline lifecycle greenhouse gas emissions,
as determined by the Administrator of the Environmental Protection Agency, in conjunction with the Secretary of Agriculture.

“(f) Definitions and Special Rules.—For purposes of this section—

“(1) Special Fuel.—The term ‘special fuel’ includes any liquid fuel (other than gasoline) which is suitable for use in an internal combustion engine.

“(2) Registration Requirement.—No credit shall be determined under subsection (a)(1), (c), or (d) with respect to any taxpayer unless such taxpayer is registered with the Secretary as a producer of alcohol or cellulosic biofuel, whichever is applicable, under section 4101.

“(3) Special Rule for Cellulosic Biofuel Producer Credit.—No cellulosic biofuel producer credit shall be determined under subsection (c) with respect to any cellulosic biofuel unless such cellulosic biofuel is produced in the United States and used as a fuel in the United States. For purposes of this
subsection, the term ‘United States’ includes any
possession of the United States.

“(4) LIMITATION TO ALCOHOL WITH CONNEC-
tion to the United States.—No credit shall be
determined under this section with respect to any al-
cohol which is produced outside the United States.
For purposes of this paragraph, the term ‘United
States’ includes any possession of the United States.

“(5) MIXTURE OR ALCOHOL NOT USED AS A
FUEL, etc.—

“(A) MIXTURES.—If—

“(i) any credit was determined under
this section with respect to alcohol used in
the production of any qualified mixture,
and

“(ii) any person—

“(I) separates the alcohol from
the mixture, or

“(II) without separation, uses the
mixture other than as a fuel,
then there is hereby imposed on such person a
tax equal to such credit so determined with re-
spect to each gallon of alcohol in such mixture.

“(B) ALCOHOL.—If—
“(i) any credit was determined under this section with respect to the retail sale of any alcohol, and

“(ii) any person mixes such alcohol or uses such alcohol other than as a fuel,
then there is hereby imposed on such person a tax equal to such credit so determined with respect to each gallon of such alcohol.

“(C) Cellulosic biofuel producer credit.—If—

“(i) any credit is allowed under subsection (c), and

“(ii) any person does not use such fuel for a purpose described in subsection (c)(3),
then there is hereby imposed on such person a tax equal to $1.01 for each gallon of such cellulosic biofuel.

“(D) Small ethanol producer credit.—If—

“(i) any credit is allowed under subsection (d), and

“(ii) any person does not use such fuel for a purpose described in subsection (b)(1)(A),
then there is hereby imposed on such person a tax equal to 10 cents a gallon for each gallon of such alcohol.

"(E) APPLICABLE LAWS.—All provisions of law, including penalties, shall, insofar as applicable and not inconsistent with this section, apply in respect of any tax imposed under subparagraph (A), (B), (C), or (D) as if such tax were imposed by section 4081 and not by this chapter.

"(6) VOLUME OF ALCOHOL.—For purposes of determining under subsection (a) the number of gallons of alcohol with respect to which a credit is allowable under subsection (a), the volume of alcohol shall include the volume of any denaturant (including gasoline) which is added under any formulas approved by the Secretary to the extent that such denaturants do not exceed 2 percent of the volume of such alcohol (including denaturants).

"(7) PASS-THRU IN THE CASE OF ESTATES AND TRUSTS.—Under regulations prescribed by the Secretary, rules similar to the rules of subsection (d) of section 52 shall apply.

"(8) ALLOCATION OF GENERAL CREDIT TO PATRONS OF COOPERATIVE.—Rules similar to the rules
of subsection (c)(5) shall apply for purposes of the
portion of the credit determined under subsection
(a)(1).
“(g) COORDINATION WITH EXEMPTION FROM EX-
CISE TAX.—The amount of the credit determined under
this section with respect to any alcohol shall, under regula-
tions prescribed by the Secretary, be properly reduced to
take into account any benefit provided with respect to such
alcohol solely by reason of the application of section
4041(b)(2), section 6426, or section 6427(e).
“(h) TERMINATION.—
“(1) IN GENERAL.—This section shall not apply
to any sale or use for any period after December 31,
2016.
“(2) NO CARRYOVERS TO CERTAIN YEARS
AFTER EXPIRATION.—If this section ceases to apply
for any period by reason of paragraph (1), no
amount attributable to any sale or use before the
first day of such period may be carried under section
39 by reason of this section (treating the amount al-
lowed by reason of this section as the first amount
allowed by this subpart) to any taxable year begin-
ing after the 3-taxable-year period beginning with
the taxable year in which such first day occurs.”.
(b) CONFORMING AMENDMENTS.—
(1) Section 4101(a)(1) of the Internal Revenue Code of 1986 is amended by striking “section 40(b)(6)(E)” and inserting “section 40(c)(4)”. 

(2) Section 6426(g) of such Code is amended by striking “section 40(c)” and inserting “section 40(g)”.

(3) Section 6501(m) of such Code is amended by striking “40(f),”.

(e) Modification of Volumetric Ethanol Excise Tax Credit.—

(1) In General.—Subsection (b) of section 6426 of the Internal Revenue Code of 1986, as amended by this Act, is amended—

(A) by striking paragraph (2) and inserting the following:

“(2) Applicable Amount.—For purposes of this subsection, with respect to each gallon of alcohol, the applicable amount is the sum of the credit amount determined in accordance with the following table plus the applicable amount under section 40(c)(2) attributable to such gallon:

<table>
<thead>
<tr>
<th>In the case of any sale, use, or removal during calendar year:</th>
<th>The credit amount is:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>20 cents</td>
</tr>
<tr>
<td>2013</td>
<td>15 cents</td>
</tr>
<tr>
<td>2014</td>
<td>10 cents</td>
</tr>
<tr>
<td>2015</td>
<td>5 cents</td>
</tr>
</tbody>
</table>
| 2016 and thereafter                                           | 0 cents”,             

and
(B) by striking “December 31, 2011” in paragraph (6) and inserting “December 31, 2015”.

(2) Payments in lieu of credits.—Subparagraph (A) of section 6427(e)(6) is amended by striking “December 31, 2010” and inserting “December 31, 2015”.

(d) Extension of additional duties on ethanol.—Headings 9901.00.50 and 9901.00.52 of the Harmonized Tariff Schedule of the United States are each amended in the effective period column by striking “1/1/2012” and inserting “1/1/2016”.

(e) Effective dates.—

(1) In general.—Except as provided in paragraph (2), the amendments made by this section shall apply to fuel sold and used after December 31, 2011.

(2) Additional duties.—The amendments made by subsection (d) shall take effect on January 1, 2012.

SEC. 302. REFORM OF BIODIESEL INCOME TAX INCENTIVES.

(a) In general.—Section 40A of the Internal Revenue Code of 1986 is amended to read as follows:
SEC. 40A. BIODIESEL PRODUCTION.

(a) In General.—For purposes of section 38, the biodiesel fuels credit determined under this section for the taxable year is $1.00 for each gallon of biodiesel produced by the taxpayer which during the taxable year—

“(1) is sold by such producer to another person—

“(A) for use by such other person’s trade or business (other than casual off-farm production),

“(B) for use by such other person as a fuel in a trade or business, or

“(C) who sells such biodiesel at retail to another person and places such biodiesel in the fuel tank of such other person, or

“(2) is used or sold by such producer for any purpose described in paragraph (1).

(b) Increased Credit for Small Producers.—

“(1) In General.—In the case of any eligible small biodiesel producer, subsection (a) shall be applied by increasing the dollar amount contained therein by 10 cents.

“(2) Limitation.—Paragraph (1) shall only apply with respect to the first 15,000,000 gallons of biodiesel produced by any eligible small biodiesel producer during any taxable year.
“(c) COORDINATION WITH CREDIT AGAINST EXCISE

Tax.—The amount of the credit determined under this section with respect to any biodiesel shall be reduced to take into account any benefit provided with respect to such biodiesel solely by reason of the application of section 6426 or 6427(e).

“(d) DEFINITIONS AND SPECIAL RULES.—For purposes of this section—

“(1) BIODIESEL.—The term ‘biodiesel’ means liquid fuel derived from biomass which meets—

“(A) the registration requirements for fuels and fuel additives established by the Environmental Protection Agency under section 211 of the Clean Air Act (42 U.S.C. 7545), and

“(B) the requirements of the American Society of Testing and Materials D6751.

Such term shall not include any liquid with respect to which a credit may be determined under section 40.

“(2) BIODIESEL NOT USED FOR A QUALIFIED PURPOSE.—If—

“(A) any credit was determined with respect to any biodiesel under this section, and
“(B) any person does not use such biodiesel for the purpose described in subsection (a), then there is hereby imposed on such person a tax equal to the product of the rate applicable under subsection (a) and the number of gallons of such biodiesel.

“(3) Pass-thru in the case of estates and trusts.—Under regulations prescribed by the Secretary, rules similar to the rules of subsection (d) of section 52 shall apply.

“(4) Limitation to biodiesel produced in the United States.—No credit shall be determined under this section with respect to any biodiesel unless such biodiesel is produced in the United States from raw feedstock. For purposes of this paragraph, the term ‘United States’ includes any possession of the United States.

“(5) Biodiesel transfers from an IRS registered biodiesel production facility to an IRS registered terminal or refinery.—The credit allowed under subsection (a) shall be allowed to the terminal or refinery referred to in section 4081(a)(1)(B)(i) in instances where section 4081(a)(1)(B)(iii) is applicable. The credit allowed
under subsection (a) cannot be claimed by a termi-
nal or refinery on fuel upon which the credit was
previously claimed by a biodiesel producer.

“(e) Definitions and Special Rules for Small
Biodiesel Producers.—

“(1) Eligible small biodiesel producer.—
The term ‘eligible small biodiesel producer’ means a
person who at all times during the taxable year has
a productive capacity for biodiesel not in excess of
60,000,000 gallons.

“(2) Aggregation rule.—For purposes of
the 15,000,000 gallon limitation under subsection
(b)(2) and the 60,000,000 gallon limitation under
paragraph (1), all members of the same controlled
group of corporations (within the meaning of section
267(f)) and all persons under common control (with-
in the meaning of section 52(b) but determined by
treating an interest of more than 50 percent as a
controlling interest) shall be treated as 1 person.

“(3) Partnership, S corporation, and
other pass-thru entities.—In the case of a
partnership, trust, S corporation, or other pass-thru
entity, the limitations contained in subsection (b)(2)
and paragraph (1) shall be applied at the entity level
and at the partner or similar level.
“(4) Allocation.—For purposes of this subsection, in the case of a facility in which more than 1 person has an interest, productive capacity shall be allocated among such persons in such manner as the Secretary may prescribe.

“(5) Regulations.—The Secretary may prescribe such regulations as may be necessary—

“(A) to prevent the credit provided for in subsection (b) from directly or indirectly benefitting any person with a direct or indirect productive capacity of more than 60,000,000 gallons of biodiesel during the taxable year, or

“(B) to prevent any person from directly or indirectly benefitting with respect to more than 15,000,000 gallons during the taxable year.

“(6) Allocation of small biodiesel credit to patrons of cooperative.—

“(A) Election to allocate.—

“(i) In general.—In the case of a cooperative organization described in section 1381(a), any portion of the increase determined under subsection (b) for the taxable year may, at the election of the organization, be apportioned pro rata among
patrons of the organization on the basis of
the quantity or value of business done with
or for such patrons for the taxable year.

“(ii) Form and effect of election.—An election under clause (i) for any
taxable year shall be made on a timely
filed return for such year. Such election,
one once made, shall be irrevocable for such
taxable year. Such election shall not take
effect unless the organization designates
the apportionment as such in a written no-
tice mailed to its patrons during the pay-
ment period described in section 1382(d).

“(B) Treatment of organizations and
patrons.—

“(i) Organizations.—The amount of
the credit not apportioned to patrons pur-
suant to subparagraph (A) shall be in-
cluded in the amount determined under
subsection (b) for the taxable year of the
organization.

“(ii) Patrons.—The amount of the
credit apportioned to patrons pursuant to
subparagraph (A) shall be included in the
amount determined under such subsection
for the first taxable year of each patron
ending on or after the last day of the pay-
ment period (as defined in section
1382(d)) for the taxable year of the orga-
nization or, if earlier, for the taxable year
of each patron ending on or after the date
on which the patron receives notice from
the cooperative of the apportionment.

“(iii) Special rules for decrease
in credits for taxable year.—If the
amount of the credit of the organization
determined under such subsection for a
taxable year is less than the amount of
such credit shown on the return of the or-
ganization for such year, an amount equal
to the excess of—

“(I) such reduction, over

“(II) the amount not apportioned
to such patrons under subparagraph
(A) for the taxable year, shall be
treated as an increase in tax imposed
by this chapter on the organization.

Such increase shall not be treated as tax
imposed by this chapter for purposes of de-
terminating the amount of any credit under this chapter or for purposes of section 55.

“(f) RENEWABLE DIESEL.—For purposes of this title—

“(1) TREATMENT IN THE SAME MANNER AS BIODIESEL.—Renewable diesel shall be treated in the same manner as biodiesel.

“(2) RENEWABLE DIESEL DEFINED.—The term ‘renewable diesel’ means liquid fuel derived from biomass which meets—

“(A) the registration requirements for fuels and fuel additives established by the Environmental Protection Agency under section 211 of the Clean Air Act (42 U.S.C. 7545), and

“(B) the requirements of the American Society of Testing and Materials D975 or D396, or other equivalent standard approved by the Secretary.

Such term shall not include any liquid with respect to which a credit may be determined under section 40. Such term does not include any fuel derived from coprocessing biomass with a feedstock which is not biomass. For purposes of this paragraph, the term ‘biomass’ has the meaning given such term by section 45K(e)(3).
“(3) CERTAIN AVIATION FUEL.—Except as pro-
vided in the last 3 sentences of paragraph (2), the
term ‘renewable diesel’ shall include fuel derived
from biomass which meets the requirements of a De-
partment of Defense specification for military jet
fuel or an American Society of Testing and Mate-
rials specification for aviation turbine fuel.
“(g) TERMINATION.—This section shall not apply to
any sale or use after December 31, 2016.”.

(b) CLERICAL AMENDMENT.—The table of sections
for subpart D of part IV of subchapter A of chapter 1
of such Code is amended by striking the item relating to
section 40A and inserting the following new item:
“Sec. 40A. Biodiesel production.”.

(c) EFFECTIVE DATE.—The amendments made by
this section shall apply to biodiesel sold or used after De-
cember 31, 2011.
SEC. 303. REFORM OF BIODIESEL EXCISE TAX INCENTIVES.

(a) IN GENERAL.—Subsection (e) of section 6426 of
the Internal Revenue Code of 1986 is amended to read
as follows:
“(e) BIODIESEL CREDIT.—
“(1) IN GENERAL.—For purposes of this sec-
tion, the biodiesel credit is $1.00 for each gallon of
biodiesel produced by the taxpayer and which—
“(A) is sold by such producer to another
person—

“(i) for use by such other person’s
trade or business (other than casual off-
farm production),

“(ii) for use by such other person as
a fuel in a trade or business, or

“(iii) who sells such biodiesel at retail
to another person and places such biodiesel
in the fuel tank of such other person, or

“(B) is used or sold by such producer for
any purpose described in subparagraph (A).

“(2) DEFINITIONS.—Any term used in this sub-
section which is also used in section 40A shall have
the meaning given such term by section 40A.

“(3) BIODIESEL TRANSFERS FROM AN IRS REG-
ISTERED BIODIESEL PRODUCTION FACILITY TO AN
IRS REGISTERED TERMINAL.—The credit allowed
under this subsection can be claimed by a registered
terminal or refinery in instances where section
4081(a)(1)(B)(iii) is applicable. The credit allowed
under this subsection cannot be claimed by a ter-

minal or refinery on fuel upon which the credit was
previously claimed by a biodiesel producer.
“(4) TERMINATION.—This subsection shall not apply to any sale, use, or removal for any period after December 31, 2016.”.

(b) PAYMENT OF CREDIT.—Subsection (e) of section 6427 of such Code is amended—

(1) by striking “or the biodiesel mixture credit” in paragraph (1),

(2) by redesignating paragraphs (3) through (6) as paragraphs (4) through (7), respectively, and by inserting after paragraph (2) the following new paragraph:

“(3) BIODIESEL CREDIT.—If any person produces biodiesel and sells or uses such biodiesel as provided in section 6426(c), the Secretary shall pay (without interest) to such person an amount equal to the biodiesel credit with respect to such biodiesel.”,

(3) by striking “paragraph (1) or (2)” each place it appears in paragraphs (4) and (6), as redesignated by paragraph (2), and inserting “paragraph (1), (2), or (3)”,

(4) by striking “alternative fuel” each place it appears in paragraphs (4) and (6), as redesignated by paragraph (2), and inserting “fuel”, and

(5) by striking “biodiesel mixture (as defined in section 6426(c)(3))” in paragraph (7)(B), as so re-
designated, and inserting “biodiesel (within the meaning of section 40A”).

(c) Exemption for Biodiesel Transferred From a Registered Producer to a Registered Terminal.—Subparagraph (B) of section 4081(a)(1) of such Code is amended—

(1) by striking “clause (ii)” in clause (i) and inserting “clauses (ii) and (iii)”, and

(2) by adding at the end the following new clause:

“(iii) Exemptions for biodiesel transferred from a registered producer to a registered terminal.—The tax imposed by this paragraph shall not apply to any removal or entry of biodiesel (as defined in section 40A(d)(1)) transferred in bulk (without regard to the manner of such transfer) to a terminal or refinery if—

“(I) such biodiesel was produced by a person who is registered under section 4101 as a producer of biodiesel and who provides reporting under the ExStars fuel reporting sys-
tem of the Internal Revenue Service,

and

“(II) the operator of such ter-

minal or refinery is registered under

section 4101.”.

(d) PRODUCER REGISTRATION REQUIREMENT.—

Subsection (a) of section 6426 of such Code is amended

by striking “subsections (d) and (e)” in the flush sentence

at the end and inserting “subsections (c), (d), and (e)”.

(e) RECAPTURE.—Subsection (f) of section 6426 of

such Code is amended to read as follows:

“(f) RECAPTURE.—

“(1) ALCOHOL FUEL MIXTURES.—If—

“(A) any credit was determined under this

section with respect to alcohol used in the pro-

duction of any alcohol fuel mixture, and

“(B) any person—

“(i) separates the alcohol from the

mixture, or

“(ii) without separation, uses the mix-

ture other than as a fuel,

then there is hereby imposed on such person a tax

equal to the product of the applicable amount and

the number of gallons of such alcohol.
“(2) BIODIESEL.—If any credit was determined under this section with respect to the production of any biodiesel and any person does not use such biodiesel for a purpose described in subsection (c)(1), then there is hereby imposed on such person a tax equal to $1 for each gallon of such biodiesel.

“(3) APPLICABLE LAWS.—All provisions of law, including penalties, shall, insofar as applicable and not inconsistent with this section, apply in respect of any tax imposed under paragraph (1) or (2) as if such tax were imposed by section 4081 and not by this section.”.

(f) CLERICAL AMENDMENT.—The heading of section 6426 of such Code (and the item relating to such section in the table of sections for subchapter B of chapter 65 of such Code) is amended by striking “alcohol fuel, biodiesel, and alternative fuel mixtures” and inserting “alcohol fuel mixtures, biodiesel production, and alternative fuel mixtures”.

(g) EFFECTIVE DATE.—The amendments made by this section shall apply to biodiesel sold or used after December 31, 2011.

SEC. 304. BIODIESEL TREATED AS TAXABLE FUEL.

(a) BIODIESEL TREATED AS TAXABLE FUEL.—Clause (i) of section 4083(a)(3)(A) of such Code is amend-
ed by inserting “, including biodiesel (as defined in section
6426(c)(3)),” after “(other than gasoline)”.

(b) EFFECTIVE DATE.—The amendment made by
this section shall apply to biodiesel removed, entered, or
sold after the date which is 6 months after the date of
the enactment of this Act.

TITLE IV—RENEWABLE ELECTRICITY INTEGRATION CREDIT

SEC. 401. RENEWABLE ELECTRICITY INTEGRATION CREDIT.

(a) BUSINESS CREDIT.—

(1) IN GENERAL.—Subpart D of part IV of
subchapter A of chapter 1 of the Internal Revenue
Code of 1986 is amended by adding at the end the
following new section:

“SEC. 45S. RENEWABLE ELECTRICITY INTEGRATION CRED-
IT.

“(a) GENERAL RULE.—For purposes of section 38,
in the case of an eligible taxpayer, the renewable electricity
integration credit for any taxable year is an amount equal
to the product of—

“(1) the intermittent renewable portfolio factor
of such eligible taxpayer, and

“(2) the number of kilowatt hours of renewable
electricity—
“(A) purchased or produced by such taxpayer, and

“(B) sold by such taxpayer to a retail customer during the taxable year.

“(b) INTERMITTENT RENEWABLE PORTFOLIO FACTOR.—

“(1) YEARS BEFORE 2017.—In the case of taxable years beginning before January 1, 2017, the intermittent renewable portfolio factor for an eligible taxpayer shall be determined as follows:

<table>
<thead>
<tr>
<th>In the case of an eligible taxpayer whose intermittent renewable electricity percentage is:</th>
<th>For taxable years beginning before 2012, the intermittent renewable portfolio factor is:</th>
<th>For taxable years beginning in or after 2012, the intermittent renewable portfolio factor is:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 4 percent .......</td>
<td>zero cents</td>
<td>zero cents</td>
</tr>
<tr>
<td>At least 4 percent but less than 8 percent .....</td>
<td>0.1 cents</td>
<td>zero cents</td>
</tr>
<tr>
<td>At least 8 percent but less than 12 percent ...</td>
<td>0.2 cents</td>
<td>0.2 cents</td>
</tr>
<tr>
<td>At least 12 percent but less than 16 percent ...</td>
<td>0.3 cents</td>
<td>0.3 cents</td>
</tr>
<tr>
<td>At least 16 percent but less than 20 percent ...</td>
<td>0.4 cents</td>
<td>0.4 cents</td>
</tr>
<tr>
<td>At least 20 percent but less than 24 percent ...</td>
<td>0.5 cents</td>
<td>0.5 cents</td>
</tr>
<tr>
<td>Equal to or greater than 24 percent ..................</td>
<td>0.6 cents</td>
<td>0.6 cents.</td>
</tr>
</tbody>
</table>

“(2) YEARS AFTER 2016.—In the case of taxable years beginning after December 31, 2016, the intermittent renewable portfolio factor for an eligible taxpayer shall be determined as follows:
In the case of an eligible taxpayer whose intermittent renewable electricity percentage is:

<table>
<thead>
<tr>
<th>Percentage Range</th>
<th>For taxable years beginning before 2019, the intermittent renewable portfolio factor is:</th>
<th>For taxable years beginning in or after 2019, the intermittent renewable portfolio factor is:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 10 percent</td>
<td>zero cents</td>
<td>zero cents</td>
</tr>
<tr>
<td>At least 10 percent but less than 12 percent</td>
<td>0.2 cents</td>
<td>zero cents</td>
</tr>
<tr>
<td>At least 12 percent but less than 16 percent</td>
<td>0.3 cents</td>
<td>0.15 cents</td>
</tr>
<tr>
<td>At least 16 percent but less than 20 percent</td>
<td>0.4 cents</td>
<td>0.4 cents</td>
</tr>
<tr>
<td>At least 20 percent but less than 24 percent</td>
<td>0.5 cents</td>
<td>0.5 cents</td>
</tr>
<tr>
<td>Equal to or greater than 24 percent</td>
<td>0.6 cents</td>
<td>0.6 cents</td>
</tr>
</tbody>
</table>

“(c) DEFINITIONS AND SPECIAL RULES.—For purposes of this section—

“(1) ELIGIBLE TAXPAYER.—The term ‘eligible taxpayer’ means an electric utility (as defined in section 3(22) of the Federal Power Act, (16 U.S.C. 796(22)).

“(2) RENEWABLE ELECTRICITY.—The term ‘renewable electricity’ means electricity generated by—

“(A) any facility using wind to generate such electricity;

“(B) any facility using solar energy to generate such electricity; or

“(C) any facility using any other intermittent renewable energy source which the Secretary of Energy determines has a capacity factor of less than 50 percent on an annual basis.

“(3) INTERMITTENT RENEWABLE ELECTRICITY PERCENTAGE.—The term ‘intermittent renewable electricity percentage’ means—
electricity percentage' means the percentage of an eligible taxpayer’s total sales of electricity to retail customers that is derived from renewable electricity (determine without regard to whether such electricity was produced by the taxpayer).

“(4) Application of other rules.—For purposes of this section, rules similar to the rules of paragraphs (1), (3), and (5) of section 45(e) shall apply.

“(5) Credit allowed only with respect to 1 eligible entity.—No credit shall be allowed under subsection (a) with respect to renewable electricity purchased from another eligible entity if a credit has been allowed under this section or a payment has been made under section 6433 to such other eligible entity.

“(d) Credit disallowed unless credit passed to third party generators charged for integration costs.—

“(1) In general.—In the case of renewable electricity eligible for the credit under subsection (a) that is purchased and not produced by an eligible taxpayer, no credit shall be allowed unless any charge the taxpayer has assessed the seller to recover the integration costs associated with such elec-
electricity has been reduced (but not below zero) to the extent of the credit received under subsection (a) associated with such electricity.

“(2) DEFINITIONS.—For purposes of paragraph (1), charges intended to recover integration costs do not include amounts paid by the producer of the electricity for interconnection facilities, distribution upgrades, network upgrades, or stand alone network upgrades as those terms have been defined by the Federal Energy Regulatory Commission in its Standard Interconnection Procedures.

“(e) COORDINATION WITH PAYMENTS.—The amount of the credit determined under this section with respect to any electricity shall be reduced to take into account any payment provided with respect to such electricity solely by reason of the application of section 6433.”.

(2) CREDIT MADE PART OF GENERAL BUSINESS CREDIT.—Subsection (b) of section 38 of the Internal Revenue Code of 1986 is amended by striking “plus” at the end of paragraph (35), by striking the period at the end of paragraph (36) and inserting “, plus”, and by adding at the end the following new paragraph:

“(37) the renewable electricity integration credit determined under section 45S(a).”.
(3) SPECIFIED CREDIT.—Subparagraph (B) of section 38(e)(4) of the Internal Revenue Code of 1986 is amended by redesignating clauses (vii) through (ix) as clauses (viii) through (x), respectively, and by inserting after clause (v) the following new clause:

“(vi) the credit determined under section 45S.”.

(4) CLERICAL AMENDMENT.—The table of sections for subpart D of part IV of subchapter A of chapter 1 of the Internal Revenue Code of 1986 is amended by adding at the end the following new item:

“Sec. 45S. Renewable electricity integration credit.”.

(b) PAYMENTS IN LIEU OF CREDIT.—

(1) IN GENERAL.—Subchapter B of chapter 65 of the Internal Revenue Code of 1986 is amended by adding at the end the following new section:

“SEC. 6433. RENEWABLE ELECTRICITY INTEGRATION PAYMENTS.

“(a) IN GENERAL.—If any eligible person sells renewable electricity to a retail customer, the Secretary shall pay (without interest) to any such person who elects to receive a payment an amount equal to the product of—

“(1) the intermittent renewable portfolio factor of such eligible person; and
“(2) the number of kilowatt hours of renewable electricity—

“(A) purchased or produced by such person; and

“(B) sold by such person in the trade or business of such person to a retail customer.

“(b) Timing of Payments.—

“(1) In general.—Except as provided in paragraph (2), rules similar to the rules of section 6427(i)(1) shall apply for purposes of this section.

“(2) Quarterly Payments.—

“(A) In general.—If, at the close of any quarter of the taxable year of any person, at least $750 is payable in the aggregate under subsection (a), to such person with respect to electricity purchased or produced during—

“(i) such quarter; or

“(ii) any prior quarter (for which no other claim has been filed) during such taxable year, a claim may be filed under this section with respect to such electricity.

“(B) Time for Filing Claim.—No claim filed under this paragraph shall be allowed unless filed on or before the last day of the first
quarter following the earliest quarter included in the claim.

“(c) Definitions and Special Rules.—For purposes of this section:

“(1) Eligible Person.—The term ‘eligible person’ means an electric utility (as defined in section 3(22) of the Federal Power Act, (16 U.S.C. 796(22)).

“(2) Other Definitions.—Any term used in this section which is also used in section 45S shall have the meaning given such term under section 45S.

“(3) Application of Other Rules.—For purposes of this section, rules similar to the rules of paragraphs (1) and (3) of section 45(e) shall apply.

“(d) Payment Disallowed Unless Amount Passed to Third Party Generators Charged for Integration Costs.—

“(1) In General.—In the case of renewable electricity eligible for the payment under subsection (a) that is purchased and not produced by an eligible person, no payment shall be made under this section unless any charge the eligible person has assessed the seller to recover the integration costs associated with such electricity has been reduced (but
not below zero) to the extent of the payment received under subsection (a) associated with such electricity.

“(2) DEFINITIONS.—For purposes of paragraph (1), charges intended to recover integration costs do not include amounts paid by the producer of the electricity for interconnection facilities, distribution upgrades, network upgrades, or stand alone network upgrades as those terms have been defined by the Federal Energy Regulatory Commission in its Standard Interconnection Procedures.”.

(2) CLERICAL AMENDMENT.—The table of sections for subpart B of chapter 65 of the Internal Revenue Code of 1986 is amended by adding at the end the following new item:

“Sec. 6433. Renewable electricity integration payments.”.

(e) EFFECTIVE DATE.—The amendments made by this section shall apply to electricity produced or purchased after December 31, 2010.

TITLE V—WIND ENERGY

SEC. 501. REMOVAL OF CERTAIN TAX RESTRICTIONS TO PROMOTE EXPANSION OF CAPITAL FOR WIND FARM INVESTMENT.

(a) EXEMPTION FROM PASSIVE LOSS RULES.—

(1) IN GENERAL.—Section 469(c) of the Internal Revenue Code of 1986 (defining passive activity)
is amended by adding at the end the following new paragraph:

“(8) CERTAIN RENEWABLE ENERGY FACILITIES.—The term ‘passive activity’ shall not include any trade or business involving ownership of 1 or more facilities described in section 45(d)(1).”.

(2) EFFECTIVE DATE.—The amendment made by this subsection shall apply to taxable years beginning after December 31, 2010.

(b) APPLICATION OF AT-RISK RULES.—

(1) IN GENERAL.—Section 465(b)(6) of the Internal Revenue Code of 1986 (relating to qualified nonrecourse financing treated as amount at risk) is amended—

(A) by inserting “or renewable energy property” after “real property” each place it appears in subparagraphs (A) and (B)(i), and

(B) by adding at the end the following new subparagraph:

“(F) RENEWABLE ENERGY PROPERTY.—

The term ‘renewable energy property’ means property described in section 45(d)(1).”.

(2) EFFECTIVE DATE.—The amendments made by this subsection shall apply to losses incurred after
December 31, 2010, with respect to property placed
in service by the taxpayer after such date.

(c) **TREATMENT OF INCOME AND GAINS FROM WIND ENERGY AS QUALIFYING INCOME FOR PUBLICLY TRADED PARTNERSHIPS.**—

(1) **IN GENERAL.**—Section 7704(d) of the Internal Revenue Code of 1986 (defining qualifying income) is amended—

(A) by inserting “wind energy,” after “fertilizer,” in paragraph (1)(E), and

(B) by adding at the end the following new paragraph:

“(6) **WIND ENERGY.**—For purposes of paragraph (1)(E), income and gains from wind energy include amounts realized from the sale of renewable energy credits, pollution allowances, and other environmental attributes.”.

(2) **EFFECTIVE DATE.**—The amendments made by this subsection shall apply on the date of enactment of this Act.

(d) **ANTI-ABUSE RULES.**—The Secretary of Treasury or the Secretary’s designee shall prescribe such rules as are necessary to prevent the abuse of the purposes of the amendments made by this section.
TITLE VI—RENEWABLE ELECTRICITY AND ENERGY EFFICIENCY RESOURCE STANDARDS

SEC. 601. RENEWABLE ELECTRICITY AND ENERGY EFFICIENCY RESOURCE STANDARDS.

(a) IN GENERAL.—Title VI of the Public Utility Regulatory Policies Act of 1978 (16 U.S.C. 2601 et seq.) is amended by adding at the end the following:

“SEC. 610. RENEWABLE ELECTRICITY AND ENERGY EFFICIENCY RESOURCE STANDARDS.

“(a) DEFINITIONS.—In this section:

“(1) BASE QUANTITY OF ELECTRICITY.—

“(A) IN GENERAL.—The term ‘base quantity of electricity’ means the total quantity of electricity sold by an electric utility to electric consumers in a calendar year.

“(B) EXCLUSIONS.—The term ‘base quantity of electricity’ does not include electricity generated by a hydroelectric facility (including a pumped storage facility but excluding incremental hydropower).

“(2) DISTRIBUTED GENERATION FACILITY.—The term ‘distributed generation facility’ means a facility at a customer site.
“(3) GEOTHERMAL ENERGY.—The term ‘geothermal energy’ means energy derived from a geothermal deposit (within the meaning of section 613(e)(2) of the Internal Revenue Code of 1986).

“(4) INCREMENTAL GEOTHERMAL PRODUCTION.—

“(A) IN GENERAL.—The term ‘incremental geothermal production’ means, for any year, the excess of—

“(i) the total kilowatt hours of electricity produced from a facility (including a distributed generation facility) using geothermal energy; over

“(ii) the average number of kilowatt hours produced annually at the facility for 5 of the previous 7 calendar years before the date of enactment of this section after eliminating the highest and the lowest kilowatt hour production years in that 7-year period.

“(B) SPECIAL RULE.—A facility described in subparagraph (A) that was placed in service at least 7 years before the date of enactment of this section shall, commencing with the year in which that date of enactment occurs, reduce the
amount calculated under subparagraph (A)(ii) each year, on a cumulative basis, by the average percentage decrease in the annual kilowatt hour production for the 7-year period described in subparagraph (A)(ii) with such cumulative sum, but not to exceed 30 percent.

“(5) **INCREMENTAL HYDROPOWER.** —

“(A) **IN GENERAL.** — The term ‘incremental hydropower’ means additional energy generated as a result of efficiency improvements or capacity additions made on or after—

“(i) January 1, 2001; or

“(ii) the effective commencement date of an existing applicable State renewable portfolio standard program at a hydroelectric facility that was placed in service before that date.

“(B) **EXCLUSION.** — The term ‘incremental hydropower’ does not include additional energy generated as a result of operational changes not directly associated with efficiency improvements or capacity additions.

“(C) **MEASUREMENT AND CERTIFICATION.** — Efficiency improvements and capacity
additions referred to in subparagraph (B) shall
be—

“(i) measured on the basis of the
same water flow information used to deter-
mine a historic average annual generation
baseline for the hydroelectric facility; and

“(ii) certified by the Secretary or the
Federal Energy Regulatory Commission.

“(6) OCEAN ENERGY.—The term ‘ocean energy’
includes current, wave, tidal, and thermal energy.

“(7) RENEWABLE BIOMASS.—Subject to section
104(b) of the Securing America’s Future with En-
ergy and Sustainable Technologies Act, the term ‘re-
newable biomass’ means—

“(A) materials, precommercial thinnings,
or removed invasive species from National For-
est System land and public lands (as defined in
section 103 of the Federal Land Policy and
Management Act of 1976 (43 U.S.C. 1702)),
including those that are byproducts of preven-
tive treatments (such as trees, wood, brush,
thinnings, chips, and slash), that are removed
as part of a federally recognized timber sale, or
that are removed to reduce hazardous fuels, to
reduce or contain disease or insect infestation,
or to restore ecosystem health, and that are—

“(i) not from components of—

“(I) a component of the National
Wild and Scenic Rivers System;

“(II) a component of the Na-
tional Wilderness Preservation Sys-

“(III) a National Monument;

“(IV) any part of the National
Landscape Conservation System;

“(V) a designated wilderness
study area or other areas managed for
wilderness characteristics;

“(VI) an inventoried roadless
area within the National Forest Sys-

“(VII) an old growth stand (as
defined by the applicable land man-

“(VIII) a late-successional stand
(except for dead, severely damaged, or
badly infested trees) (as defined by
the applicable land management
plan); or
“(IX) a designated primitive area;

“(ii) harvested in environmentally sus-
tainable quantities, as determined by the
appropriate Federal land manager; and

“(iii) harvested in accordance with ap-
plicable law and land management plans;

“(B) any organic matter that is available
on a renewable or recurring basis from non-
Federal land or land belonging to an Indian or
Indian tribe that is held in trust by the United
States or subject to a restriction against alien-
ation imposed by the United States, including—

“(i) renewable plant material, includ-
ing—

“(I) feed grains;

“(II) other agricultural commod-
ities;

“(III) other plants and trees; and

“(IV) algae; and

“(ii) waste material (other than com-
monly recycled paper), including—

“(I) crop residue;
“(II) other vegetative waste material (including wood waste and wood residues);

“(III) animal waste and byproducts (including fats, oils, greases, and manure);

“(IV) construction waste;

“(V) food waste and yard waste;

and

“(VI) waste from single or multi-cellular organisms; and

“(C) residues and byproducts from wood, pulp, or paper products facilities.

“(8) RENEWABLE ENERGY.—The term ‘renewable energy’ means electric energy generated at a facility (including a distributed generation facility) from—

“(A) solar, wind, geothermal, or ocean energy;

“(B) renewable biomass;

“(C) landfill gas;

“(D) municipal solid waste;

“(E) incremental hydropower; or

“(F) hydropower that has been certified by the Low Impact Hydropower Institute.
“(b) Renewable Electricity Requirement.—

“(1) Requirement.—

“(A) In general.—Subject to subparagraph (B), each electric utility that sells electricity to electric consumers shall obtain a percentage of the base quantity of electricity the electric utility sells to electric consumers in any calendar year through the means of compliance identified in paragraph (2).

“(B) Percentage.—The percentage obtained in a calendar year under subparagraph (A) shall not be less than the amount specified in the following table:


<table>
<thead>
<tr>
<th>Calendar years:</th>
<th>Minimum annual percentage:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>10</td>
</tr>
<tr>
<td>2014</td>
<td>11</td>
</tr>
<tr>
<td>2015</td>
<td>12</td>
</tr>
<tr>
<td>2016</td>
<td>13</td>
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<td>2017</td>
<td>14</td>
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<td>2024</td>
<td>22</td>
</tr>
<tr>
<td>2025</td>
<td>23</td>
</tr>
</tbody>
</table>

“(2) Means of compliance.—Not later than 60 days after the end of each calendar year, an electric utility shall meet the requirements of paragraph (1) by—
“(A) submitting to the Secretary renewable energy credits issued under subsection (c);

“(B) making alternative compliance payments to the Secretary at the rate of 4 cents per kilowatt hour (as adjusted for inflation under subsection (g));

“(C) submitting to the Secretary energy efficiency credits established under section 611(k) in a quantity that shall not exceed 15 percent of the minimum percentage required in each calendar year under subparagraph (B); or

“(D) conducting a combination of activities described in subparagraphs (A), (B), and (C).

“(3) CLEAN ENERGY JOBS.—In carrying out this title, the Secretary shall, to the maximum extent practicable, encourage electric utilities, in meeting the requirements of paragraph (1), also—

“(A) to create jobs that pay a living wage that supports a family;

“(B) to provide health insurance benefits to employees; and

“(C) to comply with all Federal labor and environmental laws (including regulations).

“(c) RENEWABLE ENERGY CREDIT TRADING PROGRAM.—
“(1) IN GENERAL.—Not later than December 31, 2011, the Secretary, in consultation with the Administrator, shall establish a renewable energy credit trading program under which electric utilities shall submit to the Secretary renewable energy credits to certify the compliance of the electric utilities with respect to obligations under subsection (b)(1).

“(2) ADMINISTRATION.—As part of the program, the Secretary shall—

“(A) issue renewable energy credits to generators of electric energy from new renewable energy;

“(B) issue renewable energy credits to electric utilities associated with State renewable portfolio standard compliance mechanisms pursuant to subsection (h);

“(C) subject to subparagraph (D), ensure that a kilowatt hour, including the associated renewable energy credit, shall be used only once for purposes of compliance with this section;

“(D) allow double credits for generation from facilities on Indian land and brownfield sites, and triple credits for generation from small renewable distributed generators (meaning those no larger than 1 megawatt);
“(E) ensure that, with respect to a purchaser that, as of the date of enactment of this section, has a purchase agreement from a renewable energy facility placed in service before that date (other than a biomass energy facility), the credit associated with the generation of renewable energy under the contract is issued to the purchaser of the electric energy; and

“(F) not allow energy efficiency credits established under section 611(k) to be traded.

“(3) Duration.—A credit described in paragraph (2)(A) may only be used for compliance with this section during the 3-year period beginning on the date of issuance of the credit.

“(4) Transfers.—An electric utility that holds credits in excess of the quantity of credits needed to comply with subsection (b) may transfer the credits to another electric utility.

“(5) Delegation of market function.—The Secretary may delegate to an appropriate entity that establishes markets the administration of a national tradeable renewable energy credit market for purposes of creating a transparent national market for the sale or trade of renewable energy credits.

“(d) Enforcement.—
“(1) **Civil Penalties.**—Any electric utility that fails to meet the compliance requirements of subsection (b) shall be subject to a civil penalty.

“(2) **Amount of Penalty.**—Subject to paragraph (3), the amount of the civil penalty shall be equal to the product obtained by multiplying—

“(A) the number of kilowatt-hours of electric energy sold to electric consumers in violation of subsection (b); by

“(B) the greater of—

“(i) 2 cents (adjusted for inflation under subsection (g)); or

“(ii) 200 percent of the average market value of renewable energy credits during the year in which the violation occurred.

“(3) **Mitigation or Waiver.**—

“(A) **In General.**—The Secretary may mitigate or waive a civil penalty under this subsection if the electric utility is unable to comply with subsection (b) due to a reason outside of the reasonable control of the electric utility.

“(B) **Reduction.**—The Secretary shall reduce the amount of any penalty determined under paragraph (2) by an amount paid by the
electric utility to a State for failure to comply
with the requirement of a State renewable en-
ergy program if the State requirement is great-
er than the applicable requirement of subsection
(b).

“(4) Procedure for Assessing Penalty.—
The Secretary shall assess a civil penalty under this
subsection in accordance with the procedures pre-
scribed by section 333(d) of the Energy Policy and
Conservation Act (42 U.S.C. 6303(d)).

“(e) State Renewable Energy Account Pro-
gram.—

“(1) In General.—There is established in the
Treasury a State renewable energy account program.

“(2) Deposits.—All money collected by the
Secretary from alternative compliance payments and
the assessment of civil penalties under this section
shall be deposited into the renewable energy account
established pursuant to this subsection.

“(3) Use.—Proceeds deposited in the State re-
newable energy account shall be used by the Sec-
retary to carry out a program to provide grants to
the State agency responsible for developing State en-
ergy conservation plans under section 362 of the En-
ergy Policy and Conservation Act (42 U.S.C. 6322)
for the purposes of promoting renewable energy production, including programs that promote technologies that reduce the use of electricity at customer sites, such as solar water heating.

“(4) ADMINISTRATION.—The Secretary may issue guidelines and criteria for grants awarded under this subsection.

“(5) RECORDS.—State energy offices receiving grants under this section shall maintain such records and evidence of compliance as the Secretary may require.

“(6) PREFERENCE.—In allocating funds under this subsection, the Secretary shall give preference—

“(A) to States in regions that have a disproportionately small share of economically sustainable renewable energy generation capacity; and

“(B) to State programs to stimulate or enhance innovative renewable energy technologies.

“(f) EXEMPTIONS.—During any calendar year, this section shall not apply to an electric utility that sold less than 4,000,000 megawatt-hours of electric energy to electric consumers during the preceding calendar year.

“(g) INFLATION ADJUSTMENT.—Not later than December 31 of each year beginning in 2011, the Secretary
shall adjust for United States dollar inflation from January 1, 2011 (as measured by the Consumer Price Index)—

“(1) the price of a renewable energy credit under subsection (c)(2); and

“(2) the amount of the civil penalty per kilowatt-hour under subsection (d)(2).

“(h) STATE PROGRAMS.—

“(1) IN GENERAL.—Subject to paragraph (2), nothing in this section diminishes any authority of a State or political subdivision of a State to adopt or enforce any law or regulation respecting renewable energy.

“(2) COMPLIANCE.—Except as provided in subsection (d)(3), no such law or regulation shall relieve any person of any requirement otherwise applicable under this section.

“(3) COORDINATION.—The Secretary, in consultation with States having such renewable energy programs, shall, to the maximum extent practicable, facilitate coordination between the Federal program and State programs.

“(4) REGULATIONS.—

“(A) IN GENERAL.—The Secretary, in consultation with States, shall promulgate regulations to ensure that an electric utility subject to
the requirements of this section that is also
subject to a State renewable energy standard
receives renewable energy credits in relation to
equivalent quantities of renewable energy asso-
ciated with compliance mechanisms, other than
the generation or purchase of renewable energy
by the electric utility, including the acquisition
of certificates or credits and the payment of
taxes, fees, surcharges, or other financial com-
pliance mechanisms by the electric utility or a
customer of the electric utility, directly associ-
ated with the generation or purchase of renew-
able energy.

“(B) Prohibition on Double Count-
ing.—The regulations promulgated under this
paragraph shall ensure that a kilowatt hour as-
associated with a renewable energy credit issued
pursuant to this subsection shall not be used
for compliance with this section more than
once.

“(i) Recovery of Costs.—

“(1) In general.—The Commission shall pro-
mulgate and enforce such regulations as are nec-
essary to ensure that an electric utility recovers all
prudently incurred costs associated with compliance with this section.

“(2) APPLICABLE LAW.—A regulation under paragraph (1) shall be enforceable in accordance with the provisions of law applicable to enforcement of regulations under the Federal Power Act (16 U.S.C. 791a et seq.).

“(j) REGULATIONS.—

“(1) IN GENERAL.—Not later than 18 months after the date of enactment of this title, the Secretary, in consultation with the leaders of relevant Federal agencies, shall promulgate regulations to carry out this title.

“(2) PRIORITIES.—The regulations promulgated under paragraph (1) shall prioritize the use of components and products produced in the United States, without placing constraints that prevent compliance under this title, for new renewable energy facilities eligible to participate in activities under this title.

“(k) TERMINATION OF AUTHORITY.—This section and the authority provided by this section terminate on December 31, 2040.”.

(b) TABLE OF CONTENTS AMENDMENT.—The table of contents of the Public Utility Regulatory Policies Act
of 1978 (16 U.S.C. prec. 2601) is amended by adding at the end of the items relating to title VI the following:

“Sec. 609. Rural and remote communities electrification grants.
“Sec. 610. Renewable electricity and energy efficiency resource standards.”.

SEC. 602. ENERGY EFFICIENCY RESOURCE STANDARD FOR RETAIL ELECTRICITY AND NATURAL GAS DISTRIBUTORS.

(a) IN GENERAL.—Title VI of the Public Utility Regulatory Policies Act of 1978 (16 U.S.C. 2601 et seq.) (as amended by section 601(a)) is amended by adding at the end the following:

“SEC. 611. ENERGY EFFICIENCY RESOURCE STANDARD FOR RETAIL ELECTRICITY AND NATURAL GAS DISTRIBUTORS.

“(a) DEFINITIONS.—In this section:

“(1) ADMINISTRATOR.—The term ‘Administrator’ means the Administrator of the Environmental Protection Agency.

“(2) AFFILIATE.—The term ‘affiliate’, when used with respect to a person, means another person that owns or controls, is owned or controlled by, or is under common ownership control with, the person, as determined under regulations promulgated by the Secretary.

“(3) ANSI.—The term ‘ANSI’ means the American National Standards Institute.
“(4) ASHRAE.—The term ‘ASHRAE’ means the American Society of Heating, Refrigerating, and Air Conditioning Engineers.

“(5) BASE QUANTITY.—

“(A) IN GENERAL.—The term ‘base quantity’, when used with respect to a retail electricity distributor or retail natural gas distributor, means the average annual quantity of electricity or natural gas delivered by the retail electricity distributor or retail natural gas distributor to retail customers during the 5 calendar years immediately preceding the date of enactment of this section.

“(B) EXCLUSION.—The term ‘base quantity’, when used to determine the base quantity of a retail natural gas distributor, does not include natural gas delivered for purposes of electricity generation.

“(6) CODES AND STANDARDS SAVINGS.—

“(A) IN GENERAL.—The term ‘codes and standards savings’ means a reduction in end-use electricity or natural gas consumption in the service territory of a retail electricity distributor or a retail natural gas distributor as a result of the adoption and implementation, after
the date of enactment of this section, of new or revised appliance and equipment efficiency standards or building energy codes.

“(B) Baselines.—In calculating codes and standards savings—

“(i) the baseline for calculating savings from building codes shall be the more stringent of—


“(II) the applicable State building code in effect on the date of enactment of this section; or

“(III) a baseline determined by the Secretary; and

“(ii) the baseline for calculating savings from appliance standards shall be the average efficiency of new appliances in the applicable 1 or more categories prior to adoption and implementation of the new standard.
“(7) COST-EFFECTIVE.—The term ‘cost-effective’, when used with respect to an energy efficiency measure, means that the measure achieves a net present value of economic benefits over the life of the measure, both directly to the energy consumer and to the economy, that is greater than the net present value of the cost of the measure over the life of the measure, both directly to the energy consumer and to the economy.

“(8) CUSTOMER FACILITY SAVINGS.—The term ‘customer facility savings’ means a reduction in end-use electricity or natural gas consumption (including recycled energy savings) at a facility of an end-use consumer of electricity or natural gas served by a retail electricity distributor or natural gas distributor, as compared to—

“(A) in the case of new equipment that replaces existing equipment at the end of the useful life of the existing equipment, consumption by new equipment of average efficiency;

“(B) in the case of new equipment that replaces existing equipment with remaining useful life—
“(i) consumption of the existing equipment for the remaining useful life of the equipment; and

“(ii) after that useful life, consumption of new equipment of average efficiency;

“(C) in the case of a new facility, consumption at a reference facility of average efficiency; or

“(D) in the case of energy savings measures at a facility not covered by subparagraphs (A) through (C), consumption at the facility during a base year.

“(9) ELECTRICITY SAVINGS.—The term ‘electricity savings’ means reductions in electricity consumption achieved through measures implemented after the date of enactment of this section, as determined in accordance with regulations promulgated by the Secretary, through—

“(A) customer facility savings of electricity, adjusted to reflect any associated increase in fuel consumption at the facility;

“(B) reductions in distribution system losses of electricity achieved by a retail electricity distributor, as compared to losses attrib-
utable to new or replacement distribution system equipment of average efficiency (as defined in regulations promulgated by the Secretary); and

“(C) codes and standards savings of electricity.

“(10) IESNA.—The term ‘IESNA’ mean the Illuminating Engineering Society of North America.

“(11) Natural gas savings.—The term ‘natural gas savings’ means reductions in natural gas consumption from measures implemented after the date of enactment of this section, as determined in accordance with regulations promulgated by the Secretary, through—

“(A) customer facility savings of natural gas, adjusted to reflect any associated increase in electricity consumption or consumption of other fuels at the facility;

“(B) reductions in leakage, operational losses, and consumption of natural gas fuel to operate a gas distribution system, achieved by a retail natural gas distributor, as compared to similar leakage, losses, and consumption during a base period (which shall not be less than 1 year); and
“(C) codes and standards savings of natural gas.

“(12) Power pool.—The term ‘power pool’ means an association of 2 or more interconnected electric systems that is recognized by the Commission as having an agreement to coordinate operations and planning for improved reliability and efficiencies, including a Regional Transmission Organization or an Independent System Operator.

“(13) Recycled energy savings.—The term ‘recycled energy savings’ means a reduction in electricity or natural gas consumption that results from a modification of an industrial or commercial system that commenced operation before the date of enactment of this section, in order to recapture electrical, mechanical, or thermal energy that would otherwise be wasted, as determined in accordance with regulations promulgated by the Secretary.

“(14) Reporting period.—The term ‘reporting period’ means—

“(A) calendar year 2013; and

“(B) each successive calendar year thereafter.

“(15) Retail electricity distributor.—
“(A) IN GENERAL.—The term ‘retail electricity distributor’ means, for any calendar year, an electric utility that owns or operates an electric distribution facility and, using the facility, delivered not less than 4,000,000 megawatt-hours of electric energy to electric consumers for purposes other than resale during the most recent 2-calendar-year period for which data are available.

“(B) ADMINISTRATION.—For purposes of determining whether an electric utility qualifies as a retail electricity distributor under subparagraph (A)—

“(i) deliveries by any affiliate of an electric utility to electric consumers for purposes other than resale shall be considered to be deliveries by the electric utility; and

“(ii) deliveries by any electric utility to a lessee, tenant, or affiliate of the electric utility shall not be treated as deliveries to electric consumers.

“(16) RETAIL NATURAL GAS DISTRIBUTOR.—

“(A) IN GENERAL.—The term ‘retail natural gas distributor’ means, for any given cal-
endar year, a local distribution company (as defined in section 2 of the Natural Gas Policy Act of 1978 (15 U.S.C. 3301)), that delivered to natural gas consumers more than 5,000,000,000 cubic feet of natural gas during the most recent 2-calendar-year period for which data are available.

“(B) ADMINISTRATION.—For purposes of determining whether a person qualifies as a retail natural gas distributor under subparagraph (A)—

“(i) deliveries of natural gas by any affiliate of a local distribution company to consumers for purposes other than resale shall be considered to be deliveries by the local distribution company; and

“(ii) deliveries of natural gas to a lessee, tenant, or affiliate of a local distribution company shall not be treated as deliveries to natural gas consumers.

“(17) THIRD-PARTY EFFICIENCY PROVIDER.—The term ‘third-party efficiency provider’ means any retailer, building owner, energy service company, financial institution or other commercial, industrial or nonprofit entity that is capable of providing elec-
tricity savings or natural gas savings in accordance
with subsections (e) and (f).

“(b) ESTABLISHMENT OF PROGRAM.—Not later than
18 months after the date of enactment of this section, the
Secretary shall, by regulation, establish a program to im-
plement and enforce this section, including—

“(1) measurement and verification procedures
and standards under subsection (f);

“(2) requirements under which retail electricity
distributors and retail natural gas distributors
shall—

“(A) demonstrate, document, and report
compliance with the performance standards es-
tablished under subsection (d); and

“(B) estimate the impact of the standards
on current and future electricity and natural
gas use in the service territories of the retail
electricity distributors and retail natural gas
distributors, respectively; and

“(3) requirements governing applications for,
and implementation of, delegated State administra-
tion under subsection (h).

“(e) COORDINATION WITH STATE PROGRAMS.—In
establishing and implementing the program established
under this section, the Secretary, in coordination with the
Administrator, shall, to the maximum extent practicable, preserve the integrity, and incorporate the best practices, of existing State energy efficiency programs.

“(d) PERFORMANCE STANDARDS.—

“(1) COMPLIANCE OBLIGATION.—Not later than April 1 of the calendar year immediately following each reporting period—

“(A) each retail electricity distributor shall submit to the Secretary a report, in accordance with regulations promulgated by the Secretary, demonstrating that the retail electricity distributor has achieved cumulative electricity savings (adjusted to account for any attrition of savings measures implemented in prior years) in each calendar year that are least equal to the applicable percentage, established under paragraph (2), (3), or (4), of the base quantity of the retail electricity distributor; and

“(B) each retail natural gas distributor shall submit to the Secretary a report, in accordance with regulations promulgated by the Secretary, demonstrating that the retail natural gas distributor has achieved cumulative natural gas savings (adjusted to account for any attrition of savings measures implemented in prior
years) in each calendar year compared to the base quantity of the retail natural gas distributor.

“(2) STANDARDS FOR 2012 THROUGH 2020.—

For purposes of paragraph (1), for each of calendar years 2012 through 2020, the applicable percentages shall be as follows:

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<table>
<thead>
<tr>
<th>Calendar years:</th>
<th>Cumulative electricity savings percentage:</th>
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<tbody>
<tr>
<td>2012</td>
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<tr>
<td>2013</td>
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<tr>
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<tr>
<td>2019</td>
<td>8.5</td>
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<tr>
<td>2020</td>
<td>9.5</td>
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</tbody>
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“(3) SUBSEQUENT YEARS.—

“(A) CALENDAR YEARS 2021 THROUGH 2030.—Not later than December 31, 2015, the Secretary shall promulgate regulations establishing performance standards (expressed as applicable percentages of base quantity for both cumulative electricity savings and cumulative natural gas savings) for each of calendar years 2021 through 2030.

“(B) SUBSEQUENT EXTENSIONS.—Except as provided in subparagraph (A), not later than December 31 of the penultimate reporting period for which performance standards have been
established under this paragraph, the Secretary shall promulgate regulations establishing performance standards (expressed as applicable percentages of base quantity for both cumulative electricity savings and cumulative natural gas savings) for the 10-calendar-year period following the last calendar year for which performance standards previously were established.

“(C) REQUIREMENTS.—

“(i) IN GENERAL.—Subject to clause (ii), the Secretary shall establish standards under this paragraph at levels that reflect the maximum achievable level of cost-effective energy efficiency potential, taking into account—

“(I) cost-effective energy savings achieved by leading retail electricity distributors and retail natural gas distributors;

“(II) opportunities for new codes and standard savings;

“(III) technology improvements;

and

“(IV) other indicators of cost-effective energy efficiency potential.
“(ii) MINIMUM PERCENTAGE.—In no case shall the applicable percentages for any calendar year be lower than the applicable percentage for calendar year 2020 (including any increase in the standard for calendar year 2020 pursuant to paragraph (4)).

“(4) MIDCOURSE REVIEW AND ADJUSTMENT OF STANDARDS.—

“(A) IN GENERAL.—Not later than December 31, 2014, and at 10-year intervals thereafter, the Secretary shall—

“(i) review the most recent standards established under paragraph (2) or (3); and

“(ii) by regulation, increase the standards if the Secretary determines that additional cost-effective energy efficiency potential is achievable, taking into account the factors described in paragraph (3)(C).

“(B) LEAD TIME.—If the Secretary revises standards under this paragraph, the regulations shall provide adequate lead time to ensure that compliance with the increased standards is feasible.
“(5) Delay of submission for first reporting period.—

“(A) In general.—Notwithstanding paragraphs (1) and (2), for the 2013 reporting period, the Secretary may accept a request from a retail electricity distributor or a retail natural gas distributor to delay the required submission of documentation of part or all of the required savings for up to 2 years.

“(B) Plan.—The request for delay shall include a plan for coming into full compliance by the end of the 2013 through 2014 reporting period.

“(e) Transfers of electricity or natural gas savings.—

“(1) Bilateral contracts for savings transfers.—Subject to the other provisions of this section, a retail electricity distributor or retail natural gas distributor may use electricity savings or natural gas savings purchased, pursuant to a bilateral contract, from another retail electricity distributor or retail natural gas distributor, a State, or a third-party efficiency provider to meet the applicable performance standard under subsection (d).
“(2) REQUIREMENTS.—Electricity or natural gas savings purchased and used for compliance pursuant to this subsection shall be—

“(A) measured and verified in accordance with subsection (f);

“(B) reported in accordance with subsection (d); and

“(C) achieved within the same State as is served by the retail electricity distributor or retail natural gas distributor.

“(3) EXCEPTION.—Notwithstanding paragraph (2)(C), a State regulatory authority may authorize a retail electricity distributor or a retail natural gas distributor regulated by the State regulatory authority to purchase savings achieved in a different State, if—

“(A) the savings are achieved within the same power pool; and

“(B) the State regulatory authority that regulates the purchaser oversees the measurement and verification of the savings pursuant to the procedures and standards applicable in the State of the purchaser.

“(4) REGULATORY APPROVAL.—Nothing in this subsection limits or affects the authority of a State
regulatory authority to require a retail electricity
distributor or retail natural gas distributor that is
regulated by the State regulatory authority to obtain
the authorization or approval of the State regulatory
authority for a contract for transfer of savings
under this subsection.

“(5) LIMITATIONS.—In the interest of optim-
izing achievement of cost-effective efficiency poten-
tial, the Secretary may prescribe such limitations as
the Secretary determines to be appropriate with re-
spect to the proportion of the compliance obligation
of a retail electricity or natural gas distributor,
under the applicable performance standards under
subsection (d), that may be met using electricity or
natural gas savings that are purchased under this
subsection.

“(f) MEASUREMENT AND VERIFICATION OF SAV-
INGS.—The regulations promulgated under subsection (b)
shall include—

“(1) procedures and standards for defining and
measuring electricity savings and natural gas sav-
ings that can be counted towards the performance
standards established under subsection (d), which
shall—
“(A) specify the types of energy efficiency and energy conservation measures that can be counted;

“(B) require that energy consumption estimates for customer facilities or parts of facilities in the applicable base and current years be adjusted, as appropriate, to account for changes in weather, level of production, and building area;

“(C) account for the useful life of measures;

“(D) include considered savings values for specific, commonly used measures;

“(E) allow for savings from a program to be estimated based on extrapolation from a representative sample of participating customers;

“(F) include procedures for counting combined heat and power savings and recycled energy savings;

“(G) establish methods for calculating codes and standards savings, including the use of verified compliance rates;

“(H) count only measures and savings that are additional to business-as-usual practices;
“(I) except in the case of codes and standards savings, ensure that the retail electricity distributor or retail natural gas distributor claiming the savings played a significant role in achieving the savings (including through the activities of a designated agent of the distributor or through the purchase of transferred savings);

“(J) avoid double-counting of savings used for compliance with this section and section 610, including transferred savings; and

“(K) include savings from programs administered by the retail electric or natural gas distributor that are funded by Federal, State, or other sources; and

“(2) procedures and standards for third-party verification of reported electricity savings or natural gas savings.

“(g) ENFORCEMENT AND JUDICIAL REVIEW.—

“(1) REVIEW OF RETAIL DISTRIBUTOR REPORTS.—

“(A) IN GENERAL.—The Secretary shall review each report submitted to the Secretary by a retail electricity distributor or retail natural gas distributor under subsection (d) to
verify that the applicable performance standards under that subsection have been met.

“(B) EXCLUSIONS.—In determining compliance with the applicable performance standards, the Secretary shall exclude reported electricity savings or natural gas savings that are not adequately demonstrated and documented, in accordance with the regulations promulgated under subsections (d), (e), and (f).

“(2) PENALTY FOR FAILURE TO DOCUMENT ADEQUATE SAVINGS.—If a retail electricity distributor or a retail natural gas distributor fails to demonstrate compliance with an applicable performance standard under subsection (d) or to pay to the State an applicable alternative compliance payment under subsection (h)(4), the Secretary shall assess against the retail electricity distributor or retail natural gas distributor a civil penalty for each such failure in an amount equal to, as adjusted for inflation in accordance with such regulations as the Secretary may promulgate—

“(A) $100 per megawatt-hour of electricity savings or alternative compliance payment that the retail electricity distributor failed to achieve or make, respectively; or
“(B) $10 per million Btu of natural gas savings or alternative compliance payment that the retail natural gas distributor failed to achieve or make, respectively.

“(3) OFFSETTING STATE PENALTIES.—The Secretary shall reduce the amount of any penalty under paragraph (2) by the amount paid by the applicable retail electricity distributor or retail natural gas distributor to a State for failure to comply with the requirements of a State energy efficiency resource standard during the same compliance period, if the State standard is—

“(A) comparable in type to the Federal standard established under this section; and

“(B) more stringent than the applicable performance standards under subsection (d).

“(4) ENFORCEMENT PROCEDURES.—The Secretary shall assess a civil penalty, as provided under paragraph (2), in accordance with the procedures described in section 333(d) of the Energy Policy and Conservation Act (42 U.S.C. 6303(d)).

“(5) JUDICIAL REVIEW.—

“(A) IN GENERAL.—Any person that will be adversely affected by a final action taken by the Secretary under this section, other than the
assessment of a civil penalty, may use the procedures for review described in section 336(b) of the Energy Policy and Conservation Act (42 U.S.C. 6306(b)).

“(B) Administration.—For purposes of this paragraph, references to a rule in section 336(b) of the Energy Policy and Conservation Act (42 U.S.C. 6306(b)) shall be considered to refer also to all other final actions of the Secretary under this section other than the assessment of a civil penalty.

“(h) State Administration.—

“(1) In general.—On receipt of an application from the Governor of a State (including, for purposes of this subsection, the Mayor of the District of Columbia), the Secretary may delegate to the State the administration of this section within the territory of the State if the Secretary determines that the State will implement an energy efficiency program that meets or exceeds the requirements of this section, including—

“(A) achieving electricity savings and natural gas savings at least as great as the savings required under the applicable performance standards established under subsection (d);
“(B) reviewing reports and verifying electricity savings and natural gas savings achieved in the State (including savings transferred from outside the State); and

“(C) collecting any alternative compliance payments under paragraph (4) and using the payments to implement cost-effective efficiency programs.

“(2) Secretarial determination.—The Secretary shall make a substantive determination approving or disapproving a State application, after public notice and comment, not later than 180 days after the date of receipt of a complete application.

“(3) Alternative measurement and verification procedures and standards.—As part of an application submitted under paragraph (1), a State may request to use alternative measurement and verification procedures and standards to the procedures and standards established under subsection (f), if the State demonstrates that the alternative procedures and standards provide a level of accuracy of measurement and verification that is at least equivalent to the Federal procedures and standards promulgated under subsection (f).

“(4) Alternative compliance payments.—
“(A) IN GENERAL.—As part of an application submitted under paragraph (1), a State may permit retail electricity distributors or retail natural gas distributors to pay to the State, by not later than April 1 of the calendar year immediately following the applicable reporting period, an alternative compliance payment in an amount equal to, as adjusted for inflation in accordance with such regulations as the Secretary may promulgate, not less than—

“(i) $50 per megawatt-hour of electricity savings needed to make up any deficit with regard to a compliance obligation under the applicable performance standard; or

“(ii) $5 per million Btu of natural gas savings needed to make up any deficit with regard to a compliance obligation under the applicable performance standard.

“(B) USE OF PAYMENTS.—

“(i) IN GENERAL.—Alternative compliance payments collected by a State pursuant to subparagraph (A) shall be used by the State to administer the delegated authority of the State under this section
and to implement cost-effective energy efficiency programs.

“(ii) PROGRAMS.—The programs shall—

“(I) to the maximum extent practicable, achieve electricity savings and natural gas savings in the State sufficient to make up the deficit associated with the alternative compliance payments; and

“(II) be measured and verified in accordance with the applicable procedures and standards under subsection (f) or paragraph (3), as the case may be.

“(5) REVIEW OF STATE IMPLEMENTATION.—

“(A) PERIODIC REVIEW.—Every 2 years, the Secretary shall review State implementation of this section for conformance with the requirements of this section in approximately 1/2 of the States that have received approval under this subsection to administer the program, so that each State shall be reviewed at least once every 4 years.
“(B) REPORT.—To facilitate the review, the Secretary may require the State to submit a report demonstrating the compliance of the State with the requirements of this section, including—

“(i) reports submitted by retail electricity distributors and retail natural gas distributors to the State demonstrating compliance with applicable performance standards;

“(ii) the impact of the standards on projected electricity and natural gas demand within the State;

“(iii) an accounting of the use of alternative compliance payments by the State and the resulting electricity savings and natural gas savings achieved; and

“(iv) such other information as the Secretary determines appropriate.

“(C) REVIEW ON PETITION.—Notwithstanding subparagraph (A), on the receipt of a public petition containing a credible allegation of substantial deficiencies, the Secretary shall promptly review the implementation by the State of delegated authority under this section.
“(D) DEFICIENCIES.—

“(i) IN GENERAL.—If deficiencies are found in a review under this paragraph, the Secretary shall—

“(I) notify the State; and

“(II) direct the State to correct the deficiencies and to report to the Secretary on progress not later than 180 days after the date of the receipt of review results.

“(ii) SUBSTANTIAL DEFICIENCIES.—If the deficiencies are substantial, the Secretary shall—

“(I) disallow such reported savings as the Secretary determines are not credible due to deficiencies;

“(II) re-review the State not later than 2 years after the date of the original review; and

“(III) if substantial deficiencies remain uncorrected after the review provided for under subclause (II), revoke the authority of the State to administer the program established under this section.
“(6) Calls for revision of state applications.—As a condition of maintaining the delegated authority of a State to administer this section, the Secretary may require the State to submit a revised application under paragraph (1) if the Secretary has—

“(A) promulgated new or revised performance standards under subsection (d);

“(B) promulgated new or substantially revised measurement and verification procedures and standards under subsection (f); or

“(C) otherwise substantially revised the program established under this section.

“(i) Information and reports.—In accordance with section 13 of the Federal Energy Administration Act of 1974 (15 U.S.C. 772), the Secretary may require any retail electricity distributor, any retail natural gas distributor, any third-party efficiency provider, or such other entities as the Secretary considers appropriate, to provide any information the Secretary determines appropriate to carry out this section.

“(j) State law.—Nothing in this section diminishes or qualifies any authority of a State or political subdivision of a State to adopt or enforce any law (including a regulation) respecting electricity savings or natural gas savings,
including any law (including a regulation) establishing energy efficiency requirements that are more stringent than the requirements established under this section, except that no such law or regulation may relieve any person of any requirement otherwise applicable under this section.

“(k) ENERGY EFFICIENCY CREDITS.—The Secretary shall issue energy efficiency credits at the end of each calendar year to eligible retail electricity distributor for each kilowatt hour of electricity savings above the applicable percentage, established under paragraph (2), (3), or (4) of subsection (d), of the base quantity of the retail electricity distributor in a quantity that shall not exceed 15 percent of the minimum percentage required in each calendar year under section 610(b)(1)(B).”.

(b) TABLE OF CONTENTS AMENDMENT.—The table of contents of the Public Utility Regulatory Policies Act of 1978 (16 U.S.C. prec. 2601) (as amended by section 601(b)) is amended by adding at the end of the items relating to title VI the following:

“Sec. 611. Energy efficiency resource standard for retail electricity and natural gas distributors.”.

SEC. 603. VOLUNTARY RENEWABLE ENERGY MARKETS.

(a) IN GENERAL.—It is the policy of the United States to support the continued growth of voluntary renewable energy markets.
(b) Administration.—Nothing in this Act or the amendments made by this Act is intended to interfere with or prevent the continued operation and growth of the voluntary renewable energy market.

(c) Report on Efficacy of Voluntary Renewable Energy Market.—Not later than 2 years after the date of enactment of this Act, the Comptroller General of the United States shall submit to Congress a report describing the efficacy of the voluntary renewable energy market in the context of the pollution reduction and investment programs under this Act and the amendments made by this Act, including—

(1) whether meaningful reductions in carbon dioxide emissions have occurred in response to investments in the voluntary renewable energy market;

(2) whether the voluntary market continues to grow; and

(3) a list of recommended strategies for ensuring that—

(A) meaningful emissions reductions may occur; and

(B) the voluntary renewable energy market may continue to grow.