

The question was taken.

The SPEAKER pro tempore. In the opinion of the Chair, two-thirds being in the affirmative, the yeas have it.

Mr. TONKO. Mr. Speaker, on that I demand the yeas and nays.

The yeas and nays were ordered.

The SPEAKER pro tempore. Pursuant to clause 8 of rule XX and the Chair's prior announcement, further proceedings on this motion will be postponed.

□ 1530

ENERGY AND WATER RESEARCH INTEGRATION ACT

Mr. TONKO. Mr. Speaker, I move to suspend the rules and pass the bill (H.R. 3598) to ensure consideration of water intensity in the Department of Energy's energy research, development, and demonstration programs to help guarantee efficient, reliable, and sustainable delivery of energy and water resources, as amended.

The Clerk read the title of the bill.

The text of the bill is as follows:

H.R. 3598

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

SECTION 1. SHORT TITLE.

This Act may be cited as the "Energy and Water Research Integration Act".

SEC. 2. ENERGY AND WATER RESEARCH AND ASSESSMENT.

(a) IN GENERAL.—The Secretary of Energy shall assess each of the energy research, development, and demonstration programs and projects of the Department of Energy and identify those programs and projects into which it is appropriate to integrate water considerations. In carrying out this section the Secretary shall, as appropriate—

(1) seek to advance energy and energy efficiency technologies and practices that would—

(A) minimize freshwater withdrawal and consumption;

(B) increase water use efficiency; and

(C) utilize nontraditional water sources with efforts to improve the quality of that water;

(2) consider the effects climate variability and change may have on water supplies and quality for energy generation and fuel production; and

(3) improve understanding of the energy required to provide water supplies and the water required to provide reliable energy supplies throughout the United States.

(b) STRATEGIC PLAN.—

(1) IN GENERAL.—Not later than 6 months after the date of enactment of this Act, the Secretary of Energy shall develop a Strategic Plan (in this section referred to as the "Strategic Plan") outlining the research, development, and demonstration needs for the programs and projects identified under subsection (a), in accordance with subsections (a) through (c) of this section, as appropriate.

(2) MILESTONES AND SPECIFIC CONSIDERATIONS.—In carrying out the development and updating of the Strategic Plan in accordance with this subsection, the Secretary shall evaluate and, as appropriate, establish technical milestones for—

(A) new advanced cooling technologies for energy generation and fuel production technologies;

(B) performance improvement of existing cooling technologies and cost reductions associated with using those technologies;

(C) innovative water reuse, recovery, and treatment in energy generation and fuel production;

(D) technology development for carbon capture and storage systems that utilize efficient water use design strategies;

(E) technologies that are life-cycle cost effective;

(F) systems analysis and modeling of issues relating to the energy required to provide water supplies and the water required to provide reliable energy supplies throughout the United States;

(G) technologies to treat and utilize produced waters discharged from oil, natural gas, coalbed methane, and mining activities;

(H) advanced materials for the use of nontraditional water sources for energy generation and fuel production;

(I) biomass production and utilization and the impact on hydrologic systems;

(J) technologies that reduce impacts on water from energy resource development;

(K) increases in energy efficiency of water distribution and collection systems;

(L) technologies for energy generation from water distribution and collection systems; and

(M) any other area of the energy-water nexus that the Secretary considers appropriate.

(3) INTERAGENCY COLLABORATION AND NON-DUPLICATION.—In carrying out the development and updating of the Strategic Plan in accordance with this subsection, the Secretary shall, where appropriate, work collaboratively with other Federal agencies operating related programs and avoid duplication.

(4) INTRA-AGENCY COORDINATION AND NON-DUPLICATION.—In carrying out the development and updating of the Strategic Plan in accordance with this subsection, the Secretary shall coordinate and avoid duplication of activities across programs and projects of the Department of Energy, including with those of the National Laboratories.

(5) RELEVANT INFORMATION AND RECOMMENDATIONS.—In carrying out the development and updating of the Strategic Plan in accordance with this subsection, the Secretary shall consider and incorporate, as appropriate, relevant information and recommendations, including those of the National Water Availability and Use Assessment Program under section 9508(d) of the Omnibus Public Land Management Act of 2009 (42 U.S.C. 10368(d)).

(6) NONGOVERNMENTAL PARTICIPATION.—In carrying out the development and updating of the Strategic Plan in accordance with this subsection, the Secretary shall consult and coordinate with a diverse group of representatives from research and academic institutions and industry who have expertise in technologies and practices relating to the energy required to provide water supplies and the water required to provide reliable energy supplies throughout the United States.

(7) SUBMISSION TO CONGRESS.—Not later than 9 months after the date of enactment of this Act, the Secretary shall submit to Congress the Strategic Plan.

(8) UPDATING THE STRATEGIC PLAN.—Not later than 3 years after the date of enactment of this Act, the Secretary shall utilize relevant information produced by Federal Government agencies, academia, and industry to update the Strategic Plan, and submit a report to Congress describing the changes from the initial Strategic Plan.

(c) IMPLEMENTATION.—

(1) IN GENERAL.—The Secretary of Energy shall implement the Strategic Plan, as ap-

propriate, in carrying out energy research, development, and demonstration programs of the Department of Energy.

(2) APPLICATION TO PROJECTS.—Not later than 3 months after the submission of the report to Congress in subsection (b)(7), the Secretary shall as appropriate apply the Strategic Plan to projects—

(A) identified as the most energy and water intensive; and

(B) with the most potential to achieve the purposes of this section.

(3) DELAY OR DISRUPTION.—In carrying out this subsection, the Secretary shall ensure that no program or project of the Department is unnecessarily delayed or disrupted.

(d) REPORTS.—Not later than 2 years after the date of enactment of this Act, and at least once every 2 years thereafter, the Secretary shall transmit to Congress a report on its findings and activities under this section.

(e) ADDITIONAL ACTIVITIES.—The Secretary may provide for such additional research, development, and demonstration activities as may be appropriate to integrate water considerations into the research, development, and demonstration activities of the Department as described in subsection (a).

(f) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated to the Secretary of Energy for carrying out this section \$60,000,000 for each of the fiscal years 2011 through 2015.

SEC. 3. ENERGY-WATER ARCHITECTURE COUNCIL.

(a) IN GENERAL.—The Secretary of Energy, in coordination with other relevant Federal agencies, shall establish an Energy-Water Architecture Council to promote and enable improved energy and water resource data collection, reporting, and technological innovation. The Council shall consist of—

(1) representation from each Federal agency that conducts research related to energy and water resource data; and

(2) non-Federal members, including representatives of research and academic institutions and industry, who have expertise in technologies and practices relating to the energy required to provide water supplies and the water required to provide reliable energy supplies throughout the United States.

(b) FUNCTIONS.—The Council shall—

(1) make recommendations on the development of data collection and data communication standards and protocols to agencies and entities currently engaged in collecting the data for the energy required to provide water supplies and the water required to provide reliable energy supplies throughout the United States;

(2) recommend ways to make improvements to Federal water use data to increase understanding of trends in energy generation and fuel production;

(3) recommend best practices for utilizing information from existing monitoring networks to provide nationally uniform water and energy use and infrastructure data; and

(4) conduct annual technical workshops, including at least one regional workshop annually, to facilitate information exchange among Federal, State, and private sector experts on technologies that encourage the conservation and efficient use of water and energy.

(c) REPORTS.—Not later than 1 year after the date of enactment of this Act, and at least once every 2 years thereafter, the Council, through the Secretary of Energy, shall transmit to the Congress a report on its findings and activities under this section.

(d) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated to the Secretary of Energy for carrying out this section \$5,000,000 for each of the fiscal years 2011 through 2015.

SEC. 4. LIMITATION ON FEDERAL REGULATIONS.

Nothing in this Act shall be construed to allow the establishment of regulations by the Federal Government that would infringe or impair the use of water by State, tribal, or local governments.

SEC. 5. MANDATES.

Nothing in this Act shall be construed to require State, tribal, or local governments to take any action that may result in an increased financial burden to such governments by restricting the use of water by such governments.

SEC. 6. COORDINATION AND NONDUPLICATION.

To the maximum extent practicable, the Secretary of Energy shall coordinate activities under this Act with other programs of the Department of Energy and other Federal research programs.

The SPEAKER pro tempore. Pursuant to the rule, the gentleman from New York (Mr. TONKO) and the gentleman from Texas (Mr. HALL) each will control 20 minutes.

The Chair recognizes the gentleman from New York.

GENERAL LEAVE

Mr. TONKO. Mr. Speaker, I ask unanimous consent that all Members may have 5 legislative days to revise and extend their remarks and to include extraneous material on H.R. 3598, the bill now under consideration.

The SPEAKER pro tempore. Is there objection to the request of the gentleman from New York?

There was no objection.

Mr. TONKO. Mr. Speaker, I yield myself as much time as I may consume.

Demand for energy and water resources is stressing our environment and our economy. Innovation and technologies which address the nexus between these two resources is critical to the future of our country. H.R. 3598 requires the Secretary of Energy to consider water-related issues in the Department's energy efficiency and energy technology research programs. Additionally, H.R. 3598 creates an energy-water architecture council that will facilitate the collaboration of industry, of academia, and of the Federal Government in improving energy and water resources data collection, reporting, and technological innovation.

Chairman GORDON and Ranking Member HALL of the Science and Technology Committee have worked hard to improve this bill on its way to the floor. To ensure appropriate use of taxpayer dollars, the bill now includes direction to the Secretary of Energy to develop a strategic plan which will focus the Department's efforts on the most energy- and water-intensive programs and projects with the most potential to achieve the purposes of this bill.

This legislation is the product of recommendations heard in five Science and Technology Committee hearings on water and several reports from the National Academies, the Government Accountability Office, the National Science Technology Council, and the Department of Energy. With letters of support from the Water Innovations Alliance, NanoH2O, Inc., and the Alli-

ance for Water Efficiency, this legislation takes important steps to deal with our country's water and energy resource challenges.

I encourage all of my colleagues to join me in support of H.R. 3598.

Mr. Speaker, I reserve the balance of my time.

Mr. HALL of Texas. Mr. Speaker, I yield myself such time as I may consume.

I rise in support of H.R. 3598, the Energy and Water Research Integration Act, and I agree with Mr. TONKO, the gentleman from New York. As with H.R. 3029, the bill we are considering on the floor today has been amended since it was passed out of the Committee on Science and Technology on October 7 of this year.

I supported the intent of the bill, as introduced, which is to ensure consideration of water intensity in the Department of Energy's research, development, and demonstration programs, and through the process of regular order, H.R. 3598 improved. For example, two amendments which were agreed to during the full committee markup clarified that the language of the bill should not be the basis for any new Federal regulations regarding State, local, or tribal water use and should not trigger any increased financial burden on State, local, or tribal governments. However, a few fundamental concerns remained, and during the markup, Chairman GORDON graciously offered to work with our side of the aisle to make changes and improvements to the committee-passed version. What we're considering today is a result of negotiations to draft a good bill acceptable to all.

This amended version of H.R. 3598 requires the Secretary of Energy to assess the energy research, development, and demonstration programs and projects of the Department of Energy and identify those where it's appropriate to integrate water considerations. The Secretary shall then develop a strategic plan outlining the RD&D needs for the programs and projects identified under the assessment. After this plan is developed, the Secretary would have the authority to apply the strategic plan to those appropriate projects identified as the most energy and water intensive and with the most potential to minimize freshwater withdrawal and consumption, increase water use efficiency, and utilize nontraditional water sources, among other considerations.

The amended bill also requires inter-agency nonduplication and coordination. In addition, the amended bill establishes, in coordination with other relevant Federal agencies, an energy-water architecture council that will promote and enable improved energy and water resource data collection, reporting, and technological innovation.

Ensuring adequate water supply for municipal and agricultural use and also energy production should be a primary area of focus for our country. Al-

most all of our energy sources, including renewable energy, require water to be productive, and, conversely, most water processes require energy to be useful. This bill is timely and needed in order to ensure that we use both resources efficiently and responsibly.

With that, I reserve the balance of my time.

Mr. TONKO. Mr. Speaker, I will continue to reserve the balance of my time.

Mr. HALL of Texas. Mr. Speaker, I yield myself about 2 minutes to close.

Before we end debate today, I want to take a moment to say thank you to a policy adviser of mine that will be going on maternity leave shortly after and likely will not be returning to the Hill for a while.

Elizabeth Kowal Chapel has been on my staff since September 1994 helping me to serve the people of the Fourth Congressional District of Texas. She is originally from my hometown of Rockwall, Texas, and I was happy to hire her way back then as an intern from the University of Texas.

I told her back then that she could be my intern for 3 months, and then we would see where we went from there. At the end of those 3 months, she came to me and asked if she had to leave. I told her, "Baby Doll, you can stay as long as you like." She must have liked it, because over 15 years later, she is leaving me not for another job on the Hill but for the only job better than helping the folks in Texas—that's motherhood. Elizabeth and her husband, Christopher, are expecting a baby boy at the end of January, and I look forward to meeting him, and I hope that he'll be my intern during the year 2020.

Elizabeth has served in my personal office and as my senior energy policy adviser on the Committee on Science and Technology and the Committee on Energy and Commerce, two committees with some very complex issues. She has done a stellar job with a very heavy workload that she has carried with style and grace. Elizabeth has been a real asset to my staff. She has been a real friend, and she is going to be missed. Her cheerful disposition and commitment to her work have added a great deal to my work on both committees.

I want to take the opportunity to say thank you and wish her the best of luck as a mother. I'm sure she will be just as successful at that job.

I thank the Chair, and I yield back the balance of my time.

Mr. TONKO. Mr. Speaker, let me, on behalf of the Democratic members of our Science and Tech Committee, wish Elizabeth Kowal Chapel the very best in the steps to come. May I also share the sentiment that the child be gifted with a sense of humor that so obviously prevails at the Science and Tech Committee meetings. We wish you the best.

We have no further speakers from our side on behalf of the bill, Mr. Speaker.

However, I would like to make this final point of encouraging our colleagues to support H.R. 3598, which would put a primary focus, rightfully so, on water-related issues as the Department of Energy deals with the innovation economy that is sparked by energy efficiency and energy technology research. To do that optimizes the outcome, and I think it's a very strong bill.

I congratulate the Chair and the ranking member on behalf of the work they've done on H.R. 3598.

I yield back the balance of my time. The SPEAKER pro tempore. The question is on the motion offered by the gentleman from New York (Mr. TONKO) that the House suspend the rules and pass the bill, H.R. 3598, as amended.

The question was taken; and (two-thirds being in the affirmative) the rules were suspended and the bill, as amended, was passed.

A motion to reconsider was laid on the table.

RECESS

The SPEAKER pro tempore. Pursuant to clause 12(a) of rule I, the Chair declares the House in recess until approximately 6:30 p.m. today.

□ 1830

AFTER RECESS

The recess having expired, the House was called to order by the Speaker pro tempore (Mr. TEAGUE) at 6 o'clock and 30 minutes p.m.

ANNOUNCEMENT BY THE SPEAKER PRO TEMPORE

The SPEAKER pro tempore. Pursuant to clause 8 of rule XX, proceedings will resume on motions to suspend the rules previously postponed.

Votes will be taken in the following order:

H.R. 3029, by the yeas and nays;

H. Res. 727, by the yeas and nays;

H.R. 3667, de novo.

Remaining unfinished business will be resumed later in the week.

The first electronic vote will be conducted as a 15-minute vote. Remaining electronic votes will be conducted as 5-minute votes.

ESTABLISHMENT OF A DEMONSTRATION PROGRAM ON GAS TURBINES

The SPEAKER pro tempore. The unfinished business is the vote on the motion to suspend the rules and pass the bill, H.R. 3029, as amended, on which the yeas and nays were ordered.

The Clerk read the title of the bill.

The SPEAKER pro tempore. The question is on the motion offered by the gentleman from New York (Mr. TONKO) that the House suspend the rules and pass the bill, H.R. 3029, as amended.

The vote was taken by electronic device, and there were—yeas 266, nays 118, not voting 50, as follows:

[Roll No. 911]

YEAS—266

Ackerman	Green, Gene	Obey
Adler (NJ)	Gutierrez	Oliver
Altmire	Hall (TX)	Ortiz
Andrews	Halvorson	Owens
Arcuri	Hare	Pallone
Baca	Hastings (FL)	Pascroll
Baird	Heinrich	Pastor (AZ)
Baldwin	Heller	Perlmutter
Bartlett	Hereth Sandlin	Perriello
Bean	Higgins	Peters
Becerra	Hill	Peterson
Berkley	Himes	Petri
Berman	Hinchev	Pingree (ME)
Biggert	Hinojosa	Polis (CO)
Bilbray	Hirono	Pomeroy
Bishop (GA)	Hodes	Posey
Bishop (NY)	Holden	Price (NC)
Blackburn	Holt	Putnam
Blumenauer	Honda	Quigley
Boccieri	Hoyer	Rahall
Boren	Inglis	Rangel
Boswell	Inslee	Reichert
Boucher	Israel	Reyes
Boyd	Jackson (IL)	Richardson
Brady (PA)	Jackson-Lee	Rodriguez
Brown, Corrine	(TX)	Rogers (AL)
Brown-Waite,	Johnson (GA)	Rogers (MI)
Ginny	Johnson (IL)	Rohrabacher
Buchanan	Johnson, E. B.	Ros-Lehtinen
Butterfield	Jones	Ross
Capito	Kagen	Rothman (NJ)
Capps	Kanjorski	Roybal-Allard
Cardoza	Kaptur	Ruppersberger
Carnahan	Kennedy	Ryan (OH)
Carson (IN)	Kildee	Salazar
Castle	Kilpatrick (MI)	Sánchez, Linda
Castor (FL)	Kilroy	T.
Chandler	Kind	Sarbanes
Childers	King (NY)	Schakowsky
Chu	Kirkpatrick (AZ)	Schauer
Clarke	Kissell	Schiff
Clay	Klein (FL)	Schock
Cleaver	Kosmas	Schrader
Clyburn	Kratovil	Schwartz
Cohen	Kucinich	Scott (GA)
Connolly (VA)	Lance	Scott (VA)
Cooper	Langevin	Serrano
Costa	Larson (CT)	Sestak
Costello	LaTourette	Shea-Porter
Courtney	Lee (CA)	Sherman
Crowley	Lee (NY)	Shuler
Cuellar	Levin	Sires
Cummings	Lewis (GA)	Skelton
Dahlkemper	Lipinski	Slaughter
Davis (AL)	LoBiondo	Smith (NE)
Davis (CA)	Loebsack	Smith (NJ)
Davis (TN)	Lofgren, Zoe	Smith (TX)
DeFazio	Lowey	Smith (WA)
DeGette	Luján	Snyder
DeLahunt	Lynch	Space
DeLauro	Maffei	Speier
Dent	Maloney	Spratt
Diaz-Balart, L.	Markey (CO)	Stupak
Diaz-Balart, M.	Markey (MA)	Sutton
Doggett	Massa	Taylor
Donnelly (IN)	Matheson	Teague
Doyle	Matsui	Thompson (CA)
Driehaus	McCarthy (NY)	Thompson (MS)
Edwards (MD)	McCotter	Thornberry
Edwards (TX)	McDermott	Tierney
Ehlers	McGovern	Titus
Ellison	McIntyre	Tonko
Ellsworth	McMahon	Towns
Engel	McNerney	Tsongas
Eshoo	Meeke (NY)	Van Hollen
Etheridge	Melancon	Velázquez
Fattah	Michaud	Visclosky
Filner	Miller (NC)	Walz
Forbes	Miller, Gary	Wasserman
Fortenberry	Miller, George	Schultz
Foster	Mitchell	Waters
Frank (MA)	Moore (KS)	Watson
Frelinghuysen	Moore (WI)	Watt
Fudge	Murphy (NY)	Waxman
Garamendi	Murphy, Patrick	Weiner
Giffords	Murphy, Tim	Welch
Gordon (TN)	Nadler	Wilson (OH)
Granger	Napolitano	Woolsey
Grayson	Neal (MA)	Wu
Green, Al	Nye	Yarmuth

Akin	Gallely	Neugebauer
Alexander	Garrett (NJ)	Nunes
Austria	Gingrey (GA)	Olson
Bachmann	Gohmert	Paul
Bachus	Goodlatte	Paulsen
Barton (TX)	Guthrie	Pence
Bilirakis	Harper	Pitts
Bishop (UT)	Hastings (WA)	Platts
Bonner	Hensarling	Poe (TX)
Boehner	Herger	Price (GA)
Bonner	Hoekstra	Roe (TN)
Bono Mack	Hunter	Rogers (KY)
Boozman	Issa	Rooney
Boustany	Jenkins	Roskam
Brady (TX)	Johnson, Sam	Royce
Bright	Jordan (OH)	Ryan (WI)
Brown (GA)	King (IA)	Scalise
Brown (SC)	Kline (MN)	Schmidt
Burgess	Lamborn	Sensenbrenner
Burton (IN)	Latham	Sessions
Buyer	Latta	Shadegg
Calvert	Lewis (CA)	Shuster
Calvo	Linder	Simpson
Camp	Lucas	Souder
Campbell	Luetkemeyer	Stearns
Cantor	Lummis	Sullivan
Carter	Mack	Terry
Cassidy	Manzullo	Thompson (PA)
Chaffetz	Marchant	Tiahrt
Coble	McCarthy (CA)	Tiberti
Coffman (CO)	McCaul	Turner
Cole	McClintock	Upton
Conaway	McHenry	Walden
Crenshaw	McKeon	Westmoreland
Culberson	McMorris	Whitfield
Dreier	Rodgers	Wilson (SC)
Duncan	Mica	Wittman
Emerson	Miller (FL)	Wolf
Fallin	Miller (MI)	Young (FL)
Fleming	Myrick	
Foxx		
Franks (AZ)		

NOT VOTING—50

Abercrombie	Flake	Mollohan
Aderholt	Gerlach	Moran (KS)
Barrett (SC)	Gonzalez	Moran (VA)
Barrow	Graves	Murphy (CT)
Berry	Griffith	Murtha
Blunt	Grijalva	Oberstar
Bralley (IA)	Hall (NY)	Payne
Cao	Harman	Radanovich
Capuano	Kingston	Rehberg
Carney	Kirk	Rush
Conyers	Larsen (WA)	Sanchez, Loretta
Davis (IL)	Lungren, Daniel	Shimkus
Davis (KY)	E.	Stark
Deal (GA)	Marshall	Tanner
Dicks	McCollum	Wamp
Dingell	Meek (FL)	Wexler
Farr	Minnick	Young (AK)

□ 1858

Messrs. LEWIS of California, MACK, CAMP, CRENSHAW and Mrs. McMORRIS RODGERS changed their vote from "yea" to "nay."

So (two-thirds being in the affirmative) the rules were suspended and the bill, as amended, was passed.

The result of the vote was announced as above recorded.

The title was amended so as to read: "A bill to establish a research, development, and technology demonstration program to improve the efficiency of gas turbines used in combined cycle and simple cycle power generation systems."

A motion to reconsider was laid on the table.

MOMENT OF SILENCE IN MEMORY OF FOUR WASHINGTON SLAIN OFFICERS

(Mr. DICKS asked and was given permission to address the House for 1 minute.)

Mr. DICKS. Mr. Speaker, following the tragic shooting that took the lives of four police officers in Lakewood,