

112TH CONGRESS  
2D SESSION

**S.** \_\_\_\_\_

To amend the Public Utility Regulatory Policies Act of 1978 to create a market-oriented standard for clean electric energy generation, and for other purposes.

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IN THE SENATE OF THE UNITED STATES

Mr. BINGAMAN (for himself, \_\_\_\_\_) introduced the following bill; which was read twice and referred to the Committee on \_\_\_\_\_

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**A BILL**

To amend the Public Utility Regulatory Policies Act of 1978 to create a market-oriented standard for clean electric energy generation, and for other purposes.

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

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Clean Energy Stand-  
5 ard Act of 2012”.

6 **SEC. 2. FEDERAL CLEAN ENERGY STANDARD.**

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

1 **“SEC. 610. FEDERAL CLEAN ENERGY STANDARD.**

2 “(a) PURPOSE.—The purpose of this section is to cre-  
3 ate a market-oriented standard for electric energy genera-  
4 tion that stimulates clean energy innovation and promotes  
5 a diverse set of low- and zero-carbon generation solutions  
6 in the United States at the lowest incremental cost to elec-  
7 tric consumers.

8 “(b) DEFINITIONS.—In this section:

9 “(1) CLEAN ENERGY.—The term ‘clean energy’  
10 means electric energy that is generated—

11 “(A) at a facility placed in service after  
12 December 31, 1991, using—

13 “(i) renewable energy;

14 “(ii) qualified renewable biomass;

15 “(iii) natural gas;

16 “(iv) hydropower;

17 “(v) nuclear power; or

18 “(vi) qualified waste-to-energy;

19 “(B) at a facility placed in service after  
20 the date of enactment of this section, using—

21 “(i) qualified combined heat and  
22 power; or

23 “(ii) a source of energy, other than  
24 biomass, with lower annual carbon inten-  
25 sity than 0.82 metric tons of carbon diox-  
26 ide equivalent per megawatt-hour;

1           “(C) as a result of qualified efficiency im-  
2           provements or capacity additions; or

3           “(D) at a facility that captures carbon di-  
4           oxide and prevents the release of the carbon di-  
5           oxide into the atmosphere.

6           “(2) NATURAL GAS.—

7           “(A) INCLUSION.—The term ‘natural gas’  
8           includes coal mine methane.

9           “(B) EXCLUSIONS.—The term ‘natural  
10          gas’ excludes landfill methane and biogas.

11          “(3) QUALIFIED COMBINED HEAT AND  
12          POWER.—

13          “(A) IN GENERAL.—The term ‘qualified  
14          combined heat and power’ means a system  
15          that—

16                 “(i) uses the same energy source for  
17                 the simultaneous or sequential generation  
18                 of electrical energy and thermal energy;

19                 “(ii) produces at least—

20                         “(I) 20 percent of the useful en-  
21                         ergy of the system in the form of elec-  
22                         tricity; and

23                         “(II) 20 percent of the useful en-  
24                         ergy in the form of useful thermal en-  
25                         ergy;

1                   “(iii) to the extent the system uses  
2 biomass, uses only qualified renewable bio-  
3 mass; and

4                   “(iv) operates with an energy effi-  
5 ciency percentage that is greater than 50  
6 percent.

7                   “(B) DETERMINATION OF ENERGY EFFI-  
8 CIENCY.—For purposes of subparagraph (A),  
9 the energy efficiency percentage of a combined  
10 heat and power system shall be determined in  
11 accordance with section 48(c)(3)(C)(i) of the  
12 Internal Revenue Code of 1986.

13                   “(4) QUALIFIED EFFICIENCY IMPROVEMENTS  
14 OR CAPACITY ADDITIONS.—

15                   “(A) IN GENERAL.—Subject to subpara-  
16 graphs (B) and (C), the term ‘qualified effi-  
17 ciency improvements or capacity additions’  
18 means efficiency improvements or capacity ad-  
19 ditions made after December 31, 1991, to—

20                   “(i) a nuclear facility placed in service  
21 on or before December 31, 1991; or

22                   “(ii) a hydropower facility placed in  
23 service on or before December 31, 1991.

24                   “(B) EXCLUSION.—The term ‘qualified ef-  
25 ficiency improvements or capacity additions’

1 does not include additional electric energy gen-  
2 erated as a result of operational changes not di-  
3 rectly associated with efficiency improvements  
4 or capacity additions.

5 “(C) MEASUREMENT AND CERTIFI-  
6 CATION.—In the case of hydropower, efficiency  
7 improvements and capacity additions under this  
8 paragraph shall be—

9 “(i) measured on the basis of the  
10 same water flow information that is used  
11 to determine the historic average annual  
12 generation for the applicable hydroelectric  
13 facility; and

14 “(ii) certified by the Secretary or the  
15 Commission.

16 “(5) QUALIFIED RENEWABLE BIOMASS.—The  
17 term ‘qualified renewable biomass’ means renewable  
18 biomass produced and harvested through land man-  
19 agement practices that maintain or restore the com-  
20 position, structure, and processes of ecosystems, in-  
21 cluding the diversity of plant and animal commu-  
22 nities, water quality, and the productive capacity of  
23 soil and the ecological systems.

1           “(6) QUALIFIED WASTE-TO-ENERGY.—The  
2 term ‘qualified waste-to-energy’ means energy pro-  
3 duced—

4           “(A) from the combustion of—

5           “(i) post-recycled municipal solid  
6 waste;

7           “(ii) gas produced from the gasifi-  
8 cation or pyrolization of post-recycled mu-  
9 nicipal solid waste;

10           “(iii) biogas;

11           “(iv) landfill methane;

12           “(v) animal waste or animal byprod-  
13 ucts; or

14           “(vi) wood, paper products that are  
15 not commonly recyclable, and vegetation  
16 (including trees and trimmings, yard  
17 waste, pallets, railroad ties, crates, and  
18 solid-wood manufacturing and construction  
19 debris), if diverted from or separated from  
20 other waste out of a municipal waste  
21 stream; and

22           “(B) at a facility that the Commission has  
23 certified, on an annual basis, is in compliance  
24 with all applicable Federal and State environ-  
25 mental permits, including—

1                   “(i) in the case of a facility that com-  
2                   mences operation before the date of enact-  
3                   ment of this section, compliance with emis-  
4                   sion standards under sections 112 and 129  
5                   of the Clean Air Act (42 U.S.C. 7412,  
6                   7429) that apply as of the date of enact-  
7                   ment of this section to new facilities within  
8                   the applicable source category; and

9                   “(ii) in the case of a facility that pro-  
10                  duces electric energy from the combustion,  
11                  pyrolization, or gasification of municipal  
12                  solid waste, certification that each local  
13                  government unit from which the waste  
14                  originates operates, participates in the op-  
15                  eration of, contracts for, or otherwise pro-  
16                  vides for recycling services for residents of  
17                  the local government unit.

18                  “(7) RENEWABLE ENERGY.—The term ‘renew-  
19                  able energy’ means solar, wind, ocean, current, wave,  
20                  tidal, or geothermal energy.

21                  “(c) CLEAN ENERGY REQUIREMENT.—

22                  “(1) IN GENERAL.—Effective beginning in cal-  
23                  endar year 2015, each electric utility that sells elec-  
24                  tric energy to electric consumers in a State shall ob-  
25                  tain a percentage of the electric energy the electric

1 utility sells to electric consumers during a calendar  
 2 year from clean energy.

3 “(2) PERCENTAGE REQUIRED.—The percentage  
 4 of electric energy sold during a calendar year that  
 5 is required to be clean energy under paragraph (1)  
 6 shall be determined in accordance with the following  
 7 table:

“Calendar year	Minimum annual per- centage
2015 .....	24
2016 .....	27
2017 .....	30
2018 .....	33
2019 .....	36
2020 .....	39
2021 .....	42
2022 .....	45
2023 .....	48
2024 .....	51
2025 .....	54
2026 .....	57
2027 .....	60
2028 .....	63
2029 .....	66
2030 .....	69
2031 .....	72
2032 .....	75
2033 .....	78
2034 .....	81
2035 .....	84

8 “(3) DEDUCTION FOR ELECTRIC ENERGY GEN-  
 9 ERATED FROM HYDROPOWER OR NUCLEAR  
 10 POWER.—An electric utility that sells electric energy  
 11 to electric consumers from a facility placed in service  
 12 in the United States on or before December 31,  
 13 1991, using hydropower or nuclear power may de-



1 duct the quantity of the electric energy from the  
2 quantity to which the percentage in paragraph (2)  
3 applies.

4 “(d) MEANS OF COMPLIANCE.—An electric utility  
5 shall meet the requirements of subsection (c) by—

6 “(1) submitting to the Secretary clean energy  
7 credits issued under subsection (e);

8 “(2) making alternative compliance payments of  
9 3 cents per kilowatt hour in accordance with sub-  
10 section (i); or

11 “(3) taking a combination of actions described  
12 in paragraphs (1) and (2).

13 “(e) FEDERAL CLEAN ENERGY TRADING PRO-  
14 GRAM.—

15 “(1) ESTABLISHMENT.—Not later than 180  
16 days after the date of enactment of this section, the  
17 Secretary shall establish a Federal clean energy  
18 credit trading program under which electric utilities  
19 may submit to the Secretary clean energy credits to  
20 certify compliance by the electric utilities with sub-  
21 section (c).

22 “(2) CLEAN ENERGY CREDITS.—Except as pro-  
23 vided in paragraph (3)(B), the Secretary shall issue  
24 to each generator of electric energy a quantity of

1 clean energy credits determined in accordance with  
2 subsections (f) and (g).

3 “(3) ADMINISTRATION.—In carrying out the  
4 program under this subsection, the Secretary shall  
5 ensure that—

6 “(A) a clean energy credit shall be used  
7 only once for purposes of compliance with this  
8 section; and

9 “(B) a clean energy credit issued for clean  
10 energy generated and sold for resale under a  
11 contract in effect on the date of enactment of  
12 this section shall be issued to the purchasing  
13 electric utility, unless otherwise provided by the  
14 contract.

15 “(4) DELEGATION OF MARKET FUNCTION.—

16 “(A) IN GENERAL.—In carrying out the  
17 program under this subsection, the Secretary  
18 may delegate—

19 “(i) to 1 or more appropriate market-  
20 making entities, the administration of a  
21 national clean energy credit market for  
22 purposes of establishing a transparent na-  
23 tional market for the sale or trade of clean  
24 energy credits; and

1                   “(ii) to appropriate entities, the track-  
2                   ing of dispatch of clean generation.

3                   “(B) ADMINISTRATION.—In making a del-  
4                   egation under subparagraph (A)(ii), the Sec-  
5                   retary shall ensure that the tracking and re-  
6                   porting of information concerning the dispatch  
7                   of clean generation is transparent, verifiable,  
8                   and independent of any generation or load in-  
9                   terests subject to an obligation under this sec-  
10                  tion.

11                  “(5) BANKING OF CLEAN ENERGY CREDITS.—  
12                  Clean energy credits to be used for compliance pur-  
13                  poses under subsection (c) shall be valid for the year  
14                  in which the clean energy credits are issued or in  
15                  any subsequent calendar year.

16                  “(f) DETERMINATION OF QUANTITY OF CREDIT.—

17                  “(1) IN GENERAL.—Except as otherwise pro-  
18                  vided in this subsection, the quantity of clean energy  
19                  credits issued to each electric utility generating elec-  
20                  tric energy in the United States from clean energy  
21                  shall be equal to the product of—

22                         “(A) for each generator owned by a utility,  
23                         the number of megawatt-hours of electric en-  
24                         ergy sold from that generator by the utility; and

25                         “(B) the difference between—

1 “(i) 1.0; and

2 “(ii) the quotient obtained by divid-  
3 ing—

4 “(I) the annual carbon intensity  
5 of the generator, as determined in ac-  
6 cordance with subsection (g), ex-  
7 pressed in metric tons per megawatt-  
8 hour; by

9 “(II) 0.82.

10 “(2) NEGATIVE CREDITS.—Notwithstanding  
11 any other provision of this subsection, the Secretary  
12 shall not issue a negative quantity of clean energy  
13 credits to any generator.

14 “(3) QUALIFIED COMBINED HEAT AND  
15 POWER.—

16 “(A) IN GENERAL.—The quantity of clean  
17 energy credits issued to an owner of a qualified  
18 combined heat and power system in the United  
19 States shall be equal to the difference be-  
20 tween—

21 “(i) the product obtained by multi-  
22 plying—

23 “(I) the number of megawatt-  
24 hours of electric energy generated by  
25 the system; and

1 “(II) the difference between—  
2 “(aa) 1.0; and  
3 “(bb) the quotient obtained  
4 by dividing—  
5 “(AA) the annual car-  
6 bon intensity of the gener-  
7 ator, as determined in ac-  
8 cordance with subsection  
9 (g), expressed in metric tons  
10 per megawatt-hour; by  
11 “(BB) 0.82; and  
12 “(ii) the product obtained by multi-  
13 plying—  
14 “(I) the number of megawatt-  
15 hours of electric energy generated by  
16 the system that are consumed onsite  
17 by the facility; and  
18 “(II) the annual target for elec-  
19 tric energy sold during a calendar  
20 year that is required to be clean en-  
21 ergy under subsection (c)(2).

22 “(B) ADDITIONAL CREDITS.—In addition  
23 to credits issued under subparagraph (A), the  
24 Secretary shall award clean energy credits to an  
25 owner of a qualified heat and power system in

1 the United States for greenhouse gas emissions  
2 avoided as a result of the use of a qualified  
3 combined heat and power system, rather than a  
4 separate thermal source, to meet onsite thermal  
5 needs.

6 “(4) QUALIFIED WASTE-TO-ENERGY.—The  
7 quantity of clean energy credits issued to an electric  
8 utility generating electric energy in the United  
9 States from a qualified waste-to-energy facility shall  
10 be equal to the product obtained by multiplying—

11 “(A) the number of megawatt-hours of  
12 electric energy generated by the facility and  
13 sold by the utility; and

14 “(B) 1.0.

15 “(g) DETERMINATION OF ANNUAL CARBON INTEN-  
16 SITY OF GENERATING FACILITIES.—

17 “(1) IN GENERAL.—For purposes of deter-  
18 mining the quantity of credits under subsection (f),  
19 except as provided in paragraph (2), the Secretary  
20 shall determine the annual carbon intensity of each  
21 generator by dividing—

22 “(A) the net annual carbon dioxide equiva-  
23 lent emissions of the generator; by

24 “(B) the annual quantity of electricity gen-  
25 erated by the generator.

1 “(2) BIOMASS.—The Secretary shall—

2 “(A) not later than 180 days after the date  
3 of enactment of this section, issue interim regu-  
4 lations for determining the carbon intensity  
5 based on an initial consideration of the issues  
6 to be reported on under subparagraph (B);

7 “(B) not later than 180 days after the  
8 date of enactment of this section, enter into an  
9 agreement with the National Academy of  
10 Sciences under which the Academy shall—

11 “(i) evaluate models and methodolo-  
12 gies for quantifying net changes in green-  
13 house gas emissions associated with gener-  
14 ating electric energy from each significant  
15 source of qualified renewable biomass, in-  
16 cluding evaluation of additional sequestra-  
17 tion or emissions associated with changes  
18 in land use by the production of the bio-  
19 mass; and

20 “(ii) not later than 1 year after the  
21 date of enactment of this section, publish  
22 a report that includes—

23 “(I) a description of the evalua-  
24 tion required by clause (i); and

1                   “(II) recommendations for deter-  
2                   mining the carbon intensity of electric  
3                   energy generated from qualified re-  
4                   newable biomass under this section;  
5                   and

6                   “(C) not later than 180 days after the  
7                   publication of the report under subparagraph  
8                   (B)(ii), issue regulations for determining the  
9                   carbon intensity of electric energy generated  
10                  from qualified renewable biomass that take into  
11                  account the report.

12                  “(3) CONSULTATION.—The Secretary shall con-  
13                  sult with—

14                         “(A) the Administrator of the Environ-  
15                         mental Protection Agency in determining the  
16                         annual carbon intensity of generating facilities  
17                         under paragraph (1); and

18                         “(B) the Administrator of the Environ-  
19                         mental Protection Agency, the Secretary of the  
20                         Interior, and the Secretary of Agriculture in  
21                         issuing regulations for determining the carbon  
22                         intensity of electric energy generated by bio-  
23                         mass under paragraph (2)(C).

24                  “(h) CIVIL PENALTIES.—



1           “(1) IN GENERAL.—Subject to paragraph (2),  
2           an electric utility that fails to meet the requirements  
3           of this section shall be subject to a civil penalty in  
4           an amount equal to the product obtained by multi-  
5           plying—

6                   “(A) the number of kilowatt-hours of elec-  
7                   tric energy sold by the utility to electric con-  
8                   sumers in violation of subsection (c); and

9                   “(B) 200 percent of the value of the alter-  
10                  native compliance payment, as adjusted under  
11                  subsection (m).

12           “(2) WAIVERS AND MITIGATION.—

13                   “(A) FORCE MAJEURE.—The Secretary  
14                   may mitigate or waive a civil penalty under this  
15                   subsection if the electric utility was unable to  
16                   comply with an applicable requirement of this  
17                   section for reasons outside of the reasonable  
18                   control of the utility.

19                   “(B) REDUCTION FOR STATE PEN-  
20                   ALTIES.—The Secretary shall reduce the  
21                   amount of a penalty determined under para-  
22                   graph (1) by the amount paid by the electric  
23                   utility to a State for failure to comply with the  
24                   requirement of a State renewable energy pro-  
25                   gram, if the State requirement is more strin-

1           gent than the applicable requirement of this  
2           section.

3           “(3) PROCEDURE FOR ASSESSING PENALTY.—

4           The Secretary shall assess a civil penalty under this  
5           subsection in accordance with section 333(d) of the  
6           Energy Policy and Conservation Act (42 U.S.C.  
7           6303(d)).

8           “(i) ALTERNATIVE COMPLIANCE PAYMENTS.—An  
9           electric utility may satisfy the requirements of subsection  
10          (c), in whole or in part, by submitting in lieu of a clean  
11          energy credit issued under this section a payment equal  
12          to the amount required under subsection (d)(2), in accord-  
13          ance with such regulations as the Secretary may promul-  
14          gate.

15          “(j) STATE ENERGY EFFICIENCY FUNDING PRO-  
16          GRAM.—

17                 “(1) ESTABLISHMENT.—Not later than Decem-  
18                 ber 31, 2015, the Secretary shall establish a State  
19                 energy efficiency funding program.

20                 “(2) FUNDING.—All funds collected by the Sec-  
21                 retary as alternative compliance payments under  
22                 subsection (i), or as civil penalties under subsection  
23                 (h), shall be used solely to carry out the program  
24                 under this subsection.

25                 “(3) DISTRIBUTION TO STATES.—

1           “(A) IN GENERAL.—An amount equal to  
2           75 percent of the funds described in paragraph  
3           (2) shall be used by the Secretary, without fur-  
4           ther appropriation or fiscal year limitation, to  
5           provide funds to States for the implementation  
6           of State energy efficiency plans under section  
7           362 of the Energy Policy and Conservation Act  
8           (42 U.S.C. 6322), in accordance with the pro-  
9           portion of those amounts collected by the Sec-  
10          retary from each State.

11          “(B) ACTION BY STATES.—A State that  
12          receives funds under this paragraph shall main-  
13          tain such records and evidence of compliance as  
14          the Secretary may require.

15          “(4) GUIDELINES AND CRITERIA.—The Sec-  
16          retary may issue such additional guidelines and cri-  
17          teria for the program under this subsection as the  
18          Secretary determines to be appropriate.

19          “(k) EXEMPTIONS.—

20          “(1) IN GENERAL.—This section shall not apply  
21          during any calendar year to an electric utility that  
22          sold less than the applicable quantity described in  
23          paragraph (2) of megawatt-hours of electric energy  
24          to electric consumers during the preceding calendar  
25          year.

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

3           “(A) in the case of calendar year 2015,  
4 2,000,000;

5           “(B) in the case of calendar year 2016,  
6 1,900,000;

7           “(C) in the case of calendar year 2017,  
8 1,800,000;

9           “(D) in the case of calendar year 2018,  
10 1,700,000;

11           “(E) in the case of calendar year 2019,  
12 1,600,000;

13           “(F) in the case of calendar year 2020,  
14 1,500,000;

15           “(G) in the case of calendar year 2021,  
16 1,400,000;

17           “(H) in the case of calendar year 2022,  
18 1,300,000;

19           “(I) in the case of calendar year 2023,  
20 1,200,000;

21           “(J) in the case of calendar year 2024,  
22 1,100,000; and

23           “(K) in the case of calendar year 2025 and  
24 each calendar year thereafter, 1,000,000.

1           “(3) CALCULATION OF ELECTRIC ENERGY  
2 SOLD.—

3           “(A) DEFINITIONS.—In this subsection,  
4 the terms ‘affiliate’ and ‘associate company’  
5 have the meanings given the terms in section  
6 1262 of the Energy Policy Act of 2005 (42  
7 U.S.C. 16451).

8           “(B) INCLUSION.—For purposes of calcu-  
9 lating the quantity of electric energy sold by an  
10 electric utility under this subsection, the quan-  
11 tity of electric energy sold by an affiliate of the  
12 electric utility or an associate company shall be  
13 treated as sold by the electric utility.

14       “(1) STATE PROGRAMS.—

15       “(1) SAVINGS PROVISION.—

16           “(A) IN GENERAL.—Subject to paragraph  
17 (2), nothing in this section affects the authority  
18 of a State or a political subdivision of a State  
19 to adopt or enforce any law or regulation relat-  
20 ing to—

21                   “(i) clean or renewable energy; or

22                   “(ii) the regulation of an electric util-  
23 ity.

24       “(B) FEDERAL LAW.—No law or regula-  
25 tion of a State or a political subdivision of a

1 State may relieve an electric utility from com-  
2 pliance with an applicable requirement of this  
3 section.

4 “(2) COORDINATION.—The Secretary, in con-  
5 sultation with States that have clean and renewable  
6 energy programs in effect, shall facilitate, to the  
7 maximum extent practicable, coordination between  
8 the Federal clean energy program under this section  
9 and the relevant State clean and renewable energy  
10 programs.

11 “(m) ADJUSTMENT OF ALTERNATIVE COMPLIANCE  
12 PAYMENT.—Not later than December 31, 2016, and an-  
13 nually thereafter, the Secretary shall—

14 “(1) increase by 5 percent the rate of the alter-  
15 native compliance payment under subsection (d)(2);  
16 and

17 “(2) additionally adjust that rate for inflation,  
18 as the Secretary determines to be necessary.

19 “(n) REPORT ON CLEAN ENERGY RESOURCES THAT  
20 DO NOT GENERATE ELECTRIC ENERGY.—

21 “(1) IN GENERAL.—Not later than 3 years  
22 after the date of enactment of this section, the Sec-  
23 retary shall submit to Congress a report examining  
24 mechanisms to supplement the standard under this  
25 section by addressing clean energy resources that do

1 not generate electric energy but that may substan-  
2 tially reduce electric energy loads, including energy  
3 efficiency, biomass converted to thermal energy, geo-  
4 thermal energy collected using heat pumps, thermal  
5 energy delivered through district heating systems,  
6 and waste heat used as industrial process heat.

7 “(2) POTENTIAL INTEGRATION.—The report  
8 under paragraph (1) shall examine the benefits and  
9 challenges of integrating the additional clean energy  
10 resources into the standard established by this sec-  
11 tion, including—

12 “(A) the extent to which such an integra-  
13 tion would achieve the purposes of this section;

14 “(B) the manner in which a baseline de-  
15 scribing the use of the resources could be devel-  
16 oped that would ensure that only incremental  
17 action that increased the use of the resources  
18 received credit; and

19 “(C) the challenges of pricing the re-  
20 sources in a comparable manner between orga-  
21 nized markets and vertically integrated mar-  
22 kets, including options for the pricing.

23 “(3) COMPLEMENTARY POLICIES.—The report  
24 under paragraph (1) shall examine the benefits and  
25 challenges of using complementary policies or stand-

1 ards, other than the standard established under this  
2 section, to provide effective incentives for using the  
3 additional clean energy resources.

4 “(4) LEGISLATIVE RECOMMENDATIONS.—As  
5 part of the report under paragraph (1), the Sec-  
6 retary may provide legislative recommendations for  
7 changes to the standard established under this sec-  
8 tion or new complementary policies that would pro-  
9 vide effective incentives for using the additional  
10 clean energy resources.

11 “(o) EXCLUSIONS.—This section does not apply to an  
12 electric utility located in the State of Alaska or Hawaii.

13 “(p) REGULATIONS.—Not later than 1 year after the  
14 date of enactment of this section, the Secretary shall pro-  
15 mulgate regulations to implement this section.

16 **“SEC. 611. REPORT ON NATURAL GAS CONSERVATION.**

17 “Not later than 2 years after the date of enactment  
18 of this section, the Secretary shall submit to Congress a  
19 report that—

20 “(1) quantifies the losses of natural gas during  
21 the production and transportation of the natural  
22 gas; and

23 “(2) makes recommendations, as appropriate,  
24 for programs and policies to promote conservation of  
25 natural gas for beneficial use.”.