

Calendar No. 54112TH CONGRESS
1ST SESSION**S. 398****[Report No. 112-18]**

To amend the Energy Policy and Conservation Act to improve the energy-efficiency of certain appliances and equipment, and for other purposes.

IN THE SENATE OF THE UNITED STATES

FEBRUARY 17, 2011

Mr. BINGAMAN (for himself, Ms. MURKOWSKI, Mr. BEGICH, Mr. KERRY, Ms. KLOBUCHAR, Mr. WHITEHOUSE, Mr. WYDEN, Mrs. MURRAY, Mr. COONS, Mr. BAUCUS, Ms. CANTWELL, Mrs. SHAHEEN, Mrs. FEINSTEIN, Mr. MENENDEZ, Mr. WARNER, Mr. MERKLEY, Ms. STABENOW, Mr. UDALL of Colorado, Mr. PRYOR, Mr. FRANKEN, Mr. LIEBERMAN, Mr. DURBIN, Mr. CASEY, Mr. KOHL, Mrs. MCCASKILL, Mr. CARPER, Mr. JOHNSON of South Dakota, and Mr. SCHUMER) introduced the following bill; which was read twice and referred to the Committee on Energy and Natural Resources

MAY 18, 2011

Reported by Mr. BINGAMAN, with amendments

[Omit the part struck through and insert the part printed in *italie*]

A BILL

To amend the Energy Policy and Conservation Act to improve the energy-efficiency of certain appliances and equipment, 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,*

1 **SECTION 1. SHORT TITLE; TABLE OF CONTENTS.**

2 (a) SHORT TITLE.—This Act may be cited as the
3 “Implementation of National Consensus Appliance Agree-
4 ments Act of 2011”.

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

- Sec. 1. Short title; table of contents.
- Sec. 2. Energy conservation standards.
- Sec. 3. Energy conservation standards for heat pump pool heaters.
- Sec. 4. GU–24 base lamps.
- Sec. 5. Efficiency standards for bottle-type water dispensers, commercial hot food holding cabinets, and portable electric spas.
- Sec. 6. Test procedure petition process.
- Sec. 7. Amendments to home appliance test methods.
- Sec. 8. Credit for Energy Star smart appliances.
- Sec. 9. Video game console energy efficiency study.
- Sec. 10. Refrigerator and freezer standards.
- Sec. 11. Room air conditioner standards.
- Sec. 12. Uniform efficiency descriptor for covered water heaters.
- Sec. 13. Clothes dryers.
- Sec. 14. Standards for clothes washers.
- Sec. 15. Dishwashers.
- Sec. 16. *Standards for certain reflector lamps.*
- Sec. ~~16~~-17. Petition for amended standards.
- Sec. ~~17~~-18. Prohibited acts.
- Sec. ~~18~~-19. Outdoor lighting.
- Sec. ~~19~~-20. Standards for commercial furnaces.
- Sec. ~~20~~-21. Service over the counter, self-contained, medium temperature commercial refrigerators.
- Sec. ~~21~~-22. Motor market assessment and commercial awareness program.
- Sec. ~~22~~-23. Study of compliance with energy standards for appliances.
- Sec. ~~23~~-24. Study of direct current electricity supply in certain buildings.
- Sec. ~~24~~-25. Technical corrections.

7 **SEC. 2. ENERGY CONSERVATION STANDARDS.**

8 (a) DEFINITION OF ENERGY CONSERVATION STAND-
9 ARD.—Section 321 of the Energy Policy and Conservation
10 Act (42 U.S.C. 6291) is amended—

11 (1) by striking paragraph (6) and inserting the
12 following:

13 “(6) ENERGY CONSERVATION STANDARD.—

1 “(A) IN GENERAL.—The term ‘energy con-
2 servation standard’ means 1 or more perform-
3 ance standards that—

4 “(i) for covered products (excluding
5 clothes washers, dishwashers, showerheads,
6 faucets, water closets, and urinals), pre-
7 scribe a minimum level of energy efficiency
8 or a maximum quantity of energy use, de-
9 termined in accordance with test proce-
10 dures prescribed under section 323;

11 “(ii) for showerheads, faucets, water
12 closets, and urinals, prescribe a minimum
13 level of water efficiency or a maximum
14 quantity of water use, determined in ac-
15 cordance with test procedures prescribed
16 under section 323; and

17 “(iii) for clothes washers and dish-
18 washers—

19 “(I) prescribe a minimum level of
20 energy efficiency or a maximum quan-
21 tity of energy use, determined in ac-
22 cordance with test procedures pre-
23 scribed under section 323; and

24 “(II) include a minimum level of
25 water efficiency or a maximum quan-

1 tity of water use, determined in ac-
2 cordance with those test procedures.

3 “(B) INCLUSIONS.—The term ‘energy con-
4 servation standard’ includes—

5 “(i) 1 or more design requirements, if
6 the requirements were established—

7 “(I) on or before the date of en-
8 actment of this subclause;

9 “(II) as part of a direct final rule
10 under section 325(p)(4); or

11 “(III) as part of a final rule pub-
12 lished on or after January 1, 2012;
13 and

14 “(ii) any other requirements that the
15 Secretary may prescribe under section
16 325(r).

17 “(C) EXCLUSION.—The term ‘energy con-
18 servation standard’ does not include a perform-
19 ance standard for a component of a finished
20 covered product, unless regulation of the com-
21 ponent is specifically authorized or established
22 pursuant to this title.”; and

23 (2) by adding at the end the following:

24 “(67) EER.—The term ‘EER’ means energy
25 efficiency ratio.

1 “(68) HSPF.—The term ‘HSPF’ means heat-
2 ing seasonal performance factor.”.

3 (b) EER AND HSPF TEST PROCEDURES.—Section
4 323(b) of the Energy Policy and Conservation Act (42
5 U.S.C. 6293(b)) is amended by adding at the end the fol-
6 lowing:

7 “(19) EER AND HSPF TEST PROCEDURES.—

8 “(A) IN GENERAL.—Subject to subpara-
9 graph (B), for purposes of residential central
10 air conditioner and heat pump standards that
11 take effect on or before January 1, 2015—

12 “(i) the EER shall be tested at an
13 outdoor test temperature of 95 degrees
14 Fahrenheit; and

15 “(ii) the HSPF shall be calculated
16 based on Region IV conditions.

17 “(B) REVISIONS.—The Secretary may re-
18 vise the EER outdoor test temperature and the
19 conditions for HSPF calculations as part of any
20 rulemaking to revise the central air conditioner
21 and heat pump test method.”.

22 (c) CENTRAL AIR CONDITIONERS AND HEAT
23 PUMPS.—Section 325(d) of the Energy Policy and Con-
24 servation Act (42 U.S.C. 6295(d)) is amended by adding
25 at the end the following:

1 “(4) CENTRAL AIR CONDITIONERS AND HEAT
2 PUMPS (EXCEPT THROUGH-THE-WALL CENTRAL AIR
3 CONDITIONERS, THROUGH-THE-WALL CENTRAL AIR
4 CONDITIONING HEAT PUMPS, AND SMALL DUCT,
5 HIGH VELOCITY SYSTEMS) MANUFACTURED ON OR
6 AFTER JANUARY 1, 2015.—

7 “(A) BASE NATIONAL STANDARDS.—

8 “(i) SEASONAL ENERGY EFFICIENCY
9 RATIO.—The seasonal energy efficiency
10 ratio of central air conditioners and central
11 air conditioning heat pumps manufactured
12 on or after January 1, 2015, shall not be
13 less than the following:

14 “(I) Split Systems: 13 for central
15 air conditioners and 14 for heat
16 pumps.

17 “(II) Single Package Systems:
18 14.

19 “(ii) HEATING SEASONAL PERFORM-
20 ANCE FACTOR.—The heating seasonal per-
21 formance factor of central air conditioning
22 heat pumps manufactured on or after Jan-
23 uary 1, 2015, shall not be less than the
24 following:

25 “(I) Split Systems: 8.2.

1 “(II) Single Package Systems:

2 8.0.

3 “(B) REGIONAL STANDARDS.—

4 “(i) SEASONAL ENERGY EFFICIENCY
5 RATIO.—The seasonal energy efficiency
6 ratio of central air conditioners and central
7 air conditioning heat pumps manufactured
8 on or after January 1, 2015, and installed
9 in States having historical average annual,
10 population weighted, heating degree days
11 less than 5,000 (specifically the States of
12 Alabama, Arizona, Arkansas, California,
13 Delaware, Florida, Georgia, Hawaii, Ken-
14 tucky, Louisiana, Maryland, Mississippi,
15 Nevada, New Mexico, North Carolina,
16 Oklahoma, South Carolina, Tennessee,
17 Texas, and Virginia) or in the District of
18 Columbia, the Commonwealth of Puerto
19 Rico, or any other territory or possession
20 of the United States shall not be less than
21 the following:

22 “(I) Split Systems: 14 for central
23 air conditioners and 14 for heat
24 pumps.

1 “(II) Single Package Systems:

2 14.

3 “(ii) ENERGY EFFICIENCY RATIO.—

4 The energy efficiency ratio of central air
5 conditioners (not including heat pumps)
6 manufactured on or after January 1, 2015,
7 and installed in the State of Arizona, Cali-
8 fornia, New Mexico, or Nevada shall be not
9 less than the following:

10 “(I) Split Systems: 12.2 for split
11 systems having a rated cooling capaci-
12 ty less than 45,000 BTU per hour
13 and 11.7 for products having a rated
14 cooling capacity equal to or greater
15 than 45,000 BTU per hour.

16 “(II) Single Package Systems:
17 11.0.

18 “(iii) APPLICATION OF SUBSECTION
19 (o)(6).—Subsection (o)(6) shall apply to
20 the regional standards set forth in this
21 subparagraph.

22 “(C) AMENDMENT OF STANDARDS.—

23 “(i) IN GENERAL.—Not later than
24 January 1, 2017, the Secretary shall pub-
25 lish a final rule to determine whether the

1 standards in effect for central air condi-
2 tioners and central air conditioning heat
3 pumps should be amended.

4 “(ii) APPLICATION.—The rule shall
5 provide that any amendments shall apply
6 to products manufactured on or after Jan-
7 uary 1, 2022.

8 “(D) CONSIDERATION OF ADDITIONAL
9 PERFORMANCE STANDARDS OR EFFICIENCY
10 CRITERIA.—

11 “(i) FORUM.—Not later than 4 years
12 in advance of the expected publication date
13 of a final rule for central air conditioners
14 and heat pumps under subparagraph (C),
15 the Secretary shall convene and facilitate a
16 forum for interested persons that are fairly
17 representative of relevant points of view
18 (including representatives of manufactur-
19 ers of the covered product, States, and effi-
20 ciency advocates), as determined by the
21 Secretary, to consider adding additional
22 performance standards or efficiency cri-
23 teria in the forthcoming rule.

24 “(ii) RECOMMENDATION.—If, within 1
25 year of the initial convening of such a

1 forum, the Secretary receives a rec-
2 ommendation submitted jointly by such
3 representative interested persons to add 1
4 or more performance standards or effi-
5 ciency criteria, the Secretary shall incor-
6 porate the performance standards or effi-
7 ciency criteria in the rulemaking process,
8 and, if justified under the criteria estab-
9 lished in this section, incorporate such per-
10 formance standards or efficiency criteria in
11 the revised standard.

12 “(iii) NO RECOMMENDATION.—If no
13 such joint recommendation is made within
14 1 year of the initial convening of such a
15 forum, the Secretary may add additional
16 performance standards or efficiency cri-
17 teria if the Secretary finds that the bene-
18 fits substantially exceed the burdens of the
19 action.

20 “(E) NEW CONSTRUCTION LEVELS.—

21 “(i) IN GENERAL.—As part of any
22 final rule concerning central air condi-
23 tioner and heat pump standards published
24 after June 1, 2013, the Secretary shall de-
25 termine if the building code levels specified

1 in section 327(f)(3)(C) should be amended
 2 subject to meeting the criteria of sub-
 3 section (o) when applied specifically to new
 4 construction.

5 “(ii) EFFECTIVE DATE.—Any amend-
 6 ed levels shall not take effect before Janu-
 7 ary 1, 2018.

8 “(iii) AMENDED LEVELS.—The final
 9 rule shall contain the amended levels, if
 10 any.”.

11 (d) THROUGH-THE-WALL CENTRAL AIR CONDI-
 12 TIONERS, THROUGH-THE-WALL CENTRAL AIR CONDI-
 13 TIONING HEAT PUMPS, AND SMALL DUCT, HIGH VELOC-
 14 ITY SYSTEMS.—Section 325(d) of the Energy Policy and
 15 Conservation Act (42 U.S.C. 6295(d)) (as amended by
 16 subsection (c)) is amended by adding at the end the fol-
 17 lowing:

18 “(5) STANDARDS FOR THROUGH-THE-WALL
 19 CENTRAL AIR CONDITIONERS, THROUGH-THE-WALL
 20 CENTRAL AIR CONDITIONING HEAT PUMPS, AND
 21 SMALL DUCT, HIGH VELOCITY SYSTEMS.—

22 “(A) DEFINITIONS.—In this paragraph:

23 “(i) SMALL DUCT, HIGH VELOCITY
 24 SYSTEM.—The term ‘small duct, high ve-
 25 locity system’ means a heating and cooling

1 product that contains a blower and indoor
2 coil combination that—

3 “(I) is designed for, and pro-
4 duces, at least 1.2 inches of external
5 static pressure when operated at the
6 certified air volume rate of 220–350
7 CFM per rated ton of cooling; and

8 “(II) when applied in the field,
9 uses high velocity room outlets gen-
10 erally greater than 1,000 fpm that
11 have less than 6.0 square inches of
12 free area.

13 “(ii) THROUGH-THE-WALL CENTRAL
14 AIR CONDITIONER; THROUGH-THE-WALL
15 CENTRAL AIR CONDITIONING HEAT
16 PUMP.—The terms ‘through-the-wall cen-
17 tral air conditioner’ and ‘through-the-wall
18 central air conditioning heat pump’ mean a
19 central air conditioner or heat pump, re-
20 spectively, that is designed to be installed
21 totally or partially within a fixed-size open-
22 ing in an exterior wall, and—

23 “(I) is not weatherized;

1 “(II) is clearly and permanently
2 marked for installation only through
3 an exterior wall;

4 “(III) has a rated cooling capac-
5 ity no greater than 30,000 Btu/hr;

6 “(IV) exchanges all of its outdoor
7 air across a single surface of the
8 equipment cabinet; and

9 “(V) has a combined outdoor air
10 exchange area of less than 800 square
11 inches (split systems) or less than
12 1,210 square inches (single packaged
13 systems) as measured on the surface
14 area described in subclause (IV).

15 “(iii) REVISION.—The Secretary may
16 revise the definitions contained in this sub-
17 paragraph through publication of a final
18 rule.

19 “(B) SMALL-DUCT HIGH-VELOCITY SYS-
20 TEMS.—

21 “(i) SEASONAL ENERGY EFFICIENCY
22 RATIO.—The seasonal energy efficiency
23 ratio for small-duct high-velocity systems
24 shall be not less than 11.00 for products

1 manufactured on or after January 23,
2 2006.

3 “(ii) HEATING SEASONAL PERFORM-
4 ANCE FACTOR.—The heating seasonal per-
5 formance factor for small-duct high-veloc-
6 ity systems shall be not less than 6.8 for
7 products manufactured on or after Janu-
8 ary 23, 2006.

9 “(C) RULEMAKING.—

10 “(i) IN GENERAL.—Not later than
11 June 30, 2011, the Secretary shall publish
12 a final rule to determine whether stand-
13 ards for through-the-wall central air condi-
14 tioners, through-the-wall central air condi-
15 tioning heat pumps and small duct, high
16 velocity systems should be amended.

17 “(ii) APPLICATION.—The rule shall
18 provide that any new or amended standard
19 shall apply to products manufactured on or
20 after June 30, 2016.”.

21 (e) FURNACES.—Section 325(f) of the Energy Policy
22 and Conservation Act (42 U.S.C. 6295(f)) is amended by
23 adding at the end the following:

24 “(5) NON-WEATHERIZED FURNACES (INCLUD-
25 ING MOBILE HOME FURNACES, BUT NOT INCLUDING

1 BOILERS) MANUFACTURED ON OR AFTER MAY 1,
2 2013, AND WEATHERIZED FURNACES MANUFAC-
3 TURED ON OR AFTER JANUARY 1, 2015.—

4 “(A) BASE NATIONAL STANDARDS.—

5 “(i) NON-WEATHERIZED FURNACES.—

6 The annual fuel utilization efficiency of
7 non-weatherized furnaces manufactured on
8 or after May 1, 2013, shall be not less
9 than the following:

10 “(I) Gas furnaces, a level deter-

11 mined by the Secretary in a final rule
12 published not later than June 30,
13 2011.

14 “(II) Oil furnaces, 83 percent.

15 “(ii) WEATHERIZED FURNACES.—The

16 annual fuel utilization efficiency of weath-
17 erized gas furnaces manufactured on or
18 after January 1, 2015, shall be not less
19 than 81 percent.

20 “(B) REGIONAL STANDARD.—

21 “(i) ANNUAL FUEL UTILIZATION EF-

22 FICIENCY.—Not later than June 30, 2011,
23 the Secretary shall—

24 “(I) publish a final rule deter-

25 mining whether to establish a stand-

1 ard for the annual fuel utilization effi-
2 ciency of non-weatherized gas fur-
3 naces manufactured on or after May
4 1, 2013, and installed in States hav-
5 ing historical average annual, popu-
6 lation weighted, heating degree days
7 equal to or greater than 5,000 (spe-
8 cifically the States of Alaska, Colo-
9 rado, Connecticut, Idaho, Illinois, In-
10 diana, Iowa, Kansas, Maine, Massa-
11 chusetts, Michigan, Minnesota, Mis-
12 souri, Montana, Nebraska, New
13 Hampshire, New Jersey, New York,
14 North Dakota, Ohio, Oregon, Penn-
15 sylvania, Rhode Island, South Dakota,
16 Utah, Vermont, Washington, West
17 Virginia, Wisconsin, and Wyoming);
18 and

19 “(II) include in the final rule de-
20 scribed in subclause (I) any regional
21 standard established under this sub-
22 paragraph.

23 “(ii) APPLICATION OF SUBSECTION
24 (o)(6).—Subsection (o)(6) shall apply to

1 any regional standard established under
2 this subparagraph.

3 “(C) AMENDMENT OF STANDARDS.—

4 “(i) NON-WEATHERIZED FURNACES.—

5 “(I) IN GENERAL.—Not later
6 than January 1, 2014, the Secretary
7 shall publish a final rule to determine
8 whether the standards in effect for
9 non-weatherized furnaces should be
10 amended.

11 “(II) APPLICATION.—The rule

12 shall provide that any amendments
13 shall apply to products manufactured
14 on or after January 1, 2019.

15 “(ii) WEATHERIZED FURNACES.—

16 “(I) IN GENERAL.—Not later

17 than January 1, 2017, the Secretary
18 shall publish a final rule to determine
19 whether the standard in effect for
20 weatherized furnaces should be
21 amended.

22 “(II) APPLICATION.—The rule

23 shall provide that any amendments
24 shall apply to products manufactured
25 on or after January 1, 2022.

1 “(D) NEW CONSTRUCTION LEVELS.—

2 “(i) IN GENERAL.—

3 “(I) FINAL RULE PUBLISHED
4 AFTER JANUARY 1, 2011.—As part of
5 any final rule concerning furnace
6 standards published after January 1,
7 2011, the Secretary shall establish the
8 building code levels referred to in sub-
9 clauses (I)(aa), (II)(aa), and (III)(aa)
10 of section 327(f)(3)(C)(i) subject to
11 meeting the criteria of subsection (o)
12 when applied specifically to new con-
13 struction.

14 “(II) FINAL RULE PUBLISHED
15 AFTER JUNE 1, 2013.—As part of any
16 final rule concerning furnace stand-
17 ards published after June 1, 2013,
18 the Secretary shall determine if the
19 building code levels specified in or
20 pursuant to section 327(f)(3)(C)
21 should be amended subject to meeting
22 the criteria of subsection (o) when ap-
23 plied specifically to new construction.

1 “(ii) EFFECTIVE DATE.—Any amend-
2 ed levels shall not take effect before Janu-
3 ary 1, 2018.

4 “(iii) AMENDED LEVELS.—The final
5 rule shall contain the amended levels, if
6 any.”.

7 (f) EXCEPTION FOR CERTAIN BUILDING CODE RE-
8 QUIREMENTS.—Section 327(f) of the Energy Policy and
9 Conservation Act (42 U.S.C. 6297(f)) is amended—

10 (1) in paragraph (3), by striking subparagraphs
11 (B) through (F) and inserting the following:

12 “(B) The code does not contain a manda-
13 tory requirement that, under all code compli-
14 ance paths, requires that the covered product
15 have an energy efficiency exceeding 1 of the fol-
16 lowing levels:

17 “(i) The applicable energy conserva-
18 tion standard established in or prescribed
19 under section 325.

20 “(ii) The level required by a regula-
21 tion of the State for which the Secretary
22 has issued a rule granting a waiver under
23 subsection (d).

24 “(C) If the energy consumption or con-
25 servation objective in the code is determined

1 using covered products, including any baseline
2 building designs against which all submitted
3 building designs are to be evaluated, the objec-
4 tive is based on the use of covered products
5 having efficiencies not exceeding—

6 “(i) for residential furnaces, central
7 air conditioners, and heat pumps, effective
8 not earlier than January 1, 2013, and
9 until such time as a level takes effect for
10 the product under clause (ii)—

11 “(I) for the States described in
12 section 325(f)(5)(B)(i)—

13 “(aa) for gas furnaces, an
14 AFUE level determined by the
15 Secretary; and

16 “(bb) 14 SEER for central
17 air conditioners (not including
18 heat pumps);

19 “(II) for the States and other lo-
20 calities described in section
21 325(d)(4)(B)(i) (except for the States
22 of Arizona, California, Nevada, and
23 New Mexico)—

1 “(aa) for gas furnaces, an
2 AFUE level determined by the
3 Secretary; and

4 “(bb) 15 SEER for central
5 air conditioners;

6 “(III) for the States of Arizona,
7 California, Nevada, and New Mex-
8 ico—

9 “(aa) for gas furnaces, an
10 AFUE level determined by the
11 Secretary;

12 “(bb) 15 SEER for central
13 air conditioners;

14 “(cc) an EER of 12.5 for
15 air conditioners (not including
16 heat pumps) with cooling capaci-
17 ty less than 45,000 Btu per
18 hour; and

19 “(dd) an EER of 12.0 for
20 air conditioners (not including
21 heat pumps) with cooling capaci-
22 ty of 45,000 Btu per hour or
23 more; and

24 “(IV) for all States—

1 “(aa) 85 percent AFUE for
2 oil furnaces; and

3 “(bb) 15 SEER and 8.5
4 HSPF for heat pumps;

5 “(ii) the building code levels estab-
6 lished pursuant to section 325; or

7 “(iii) the applicable standards or lev-
8 els specified in subparagraph (B).

9 “(D) The credit to the energy consumption
10 or conservation objective allowed by the code for
11 installing a covered product having an energy
12 efficiency exceeding the applicable standard or
13 level specified in subparagraph (C) is on a 1-
14 for-1 equivalent energy use or equivalent energy
15 cost basis, which may take into account the typ-
16 ical lifetimes of the products and building fea-
17 tures, using lifetimes for covered products
18 based on information published by the Depart-
19 ment of Energy or the American Society of
20 Heating, Refrigerating and Air-Conditioning
21 Engineers.

22 “(E) If the code sets forth 1 or more com-
23 binations of items that meet the energy con-
24 sumption or conservation objective, and if 1 or
25 more combinations specify an efficiency level for

1 a covered product that exceeds the applicable
2 standards and levels specified in subparagraph
3 (B)—

4 “(i) there is at least 1 combination
5 that includes such covered products having
6 efficiencies not exceeding 1 of the stand-
7 ards or levels specified in subparagraph
8 (B); and

9 “(ii) if 1 or more combinations of
10 items specify an efficiency level for a fur-
11 nace, central air conditioner, or heat pump
12 that exceeds the applicable standards and
13 levels specified in subparagraph (B), there
14 is at least 1 combination that the State
15 has found to be reasonably achievable
16 using commercially available technologies
17 that includes such products having effi-
18 ciencies at the applicable levels specified in
19 subparagraph (C), except that no combina-
20 tion need include a product having an effi-
21 ciency less than the level specified in sub-
22 paragraph (B)(ii).

23 “(F) The energy consumption or conserva-
24 tion objective is specified in terms of an esti-
25 mated total consumption of energy (which may

1 be specified in units of energy or its equivalent
2 cost).”;

3 (2) in paragraph (4)(B)—

4 (A) by inserting after “building code” the
5 first place it appears the following: “contains a
6 mandatory requirement that, under all code
7 compliance paths,”; and

8 (B) by striking “unless the” and all that
9 follows through “subsection (d)”;

10 (3) by adding at the end the following:

11 “(5) REPLACEMENT OF COVERED PRODUCT.—

12 Paragraph (3) shall not apply to the replacement of
13 a covered product serving an existing building unless
14 the replacement results in an increase in capacity
15 greater than—

16 “(A) 12,000 Btu per hour for residential
17 air conditioners and heat pumps; or

18 “(B) 20 percent for other covered prod-
19 ucts.”.

20 **SEC. 3. ENERGY CONSERVATION STANDARDS FOR HEAT**
21 **PUMP POOL HEATERS.**

22 (a) DEFINITIONS.—

23 (1) EFFICIENCY DESCRIPTOR.—Section
24 321(22) of the Energy Policy and Conservation Act
25 (42 U.S.C. 6291(22)) is amended—

1 (A) in subparagraph (E), by inserting
2 “gas-fired” before “pool heaters”; and

3 (B) by adding at the end the following:

4 “(F) For heat pump pool heaters, coeffi-
5 cient of performance of heat pump pool heat-
6 ers.”.

7 (2) COEFFICIENT OF PERFORMANCE OF HEAT
8 PUMP POOL HEATERS.—Section 321 of the Energy
9 Policy and Conservation Act (42 U.S.C. 6291) is
10 amended by inserting after paragraph (25) the fol-
11 lowing:

12 “(25A) COEFFICIENT OF PERFORMANCE OF
13 HEAT PUMP POOL HEATERS.—The term ‘coefficient
14 of performance of heat pump pool heaters’ means
15 the ratio of the capacity to power input value ob-
16 tained at the following rating conditions: 50.0 °F db/
17 44.2 °F wb outdoor air and 80.0 °F entering water
18 temperatures, according to AHRI Standard 1160.”.

19 (3) THERMAL EFFICIENCY OF GAS-FIRED POOL
20 HEATERS.—Section 321(26) of the Energy Policy
21 and Conservation Act (42 U.S.C. 6291(26)) is
22 amended by inserting “gas-fired” before “pool heat-
23 ers”.

1 (b) STANDARDS FOR POOL HEATERS.—Section
2 325(e)(2) of the Energy Policy and Conservation Act (42
3 U.S.C. 6295(e)(2)) is amended—

4 (1) by striking “(2) The thermal efficiency of
5 pool heaters” and inserting the following:

6 “(2) POOL HEATERS.—

7 “(A) GAS-FIRED POOL HEATERS.—The
8 thermal efficiency of gas-fired pool heaters”;
9 and

10 (2) by adding at the end the following:

11 “(B) HEAT PUMP POOL HEATERS.—Heat
12 pump pool heaters manufactured on or after
13 the date of enactment of this subparagraph
14 shall have a minimum coefficient of perform-
15 ance of 4.0.”.

16 **SEC. 4. GU-24 BASE LAMPS.**

17 (a) DEFINITIONS.—Section 321 of the Energy Policy
18 and Conservation Act (42 U.S.C. 6291) (as amended by
19 section 2(a)(2)) is amended by adding at the end the fol-
20 lowing:

21 “(69) GU-24.—The term ‘GU-24’ means the
22 designation of a lamp socket, based on a coding sys-
23 tem by the International Electrotechnical Commis-
24 sion, under which—

1 “(A) ‘G’ indicates a holder and socket type
2 with 2 or more projecting contacts, such as pins
3 or posts;

4 “(B) ‘U’ distinguishes between lamp and
5 holder designs of similar type that are not
6 interchangeable due to electrical or mechanical
7 requirements; and

8 “(C) 24 indicates the distance in millime-
9 ters between the electrical contact posts.

10 “(70) GU-24 ADAPTOR.—

11 “(A) IN GENERAL.—The term ‘GU-24
12 Adaptor’ means a 1-piece device, pig-tail, wiring
13 harness, or other such socket or base attach-
14 ment that—

15 “(i) connects to a GU-24 socket on 1
16 end and provides a different type of socket
17 or connection on the other end; and

18 “(ii) does not alter the voltage.

19 “(B) EXCLUSION.—The term ‘GU-24
20 Adaptor’ does not include a fluorescent ballast
21 with a GU-24 base.

22 “(71) GU-24 BASE LAMP.—‘GU-24 base lamp’
23 means a light bulb designed to fit in a GU-24 sock-
24 et.”.

1 (b) STANDARDS.—Section 325 of the Energy Policy
2 and Conservation Act (42 U.S.C. 6295) is amended—

3 (1) by redesignating subsection (ii) as sub-
4 section (jj); and

5 (2) by inserting after subsection (hh) the fol-
6 lowing:

7 “(ii) GU-24 BASE LAMPS.—

8 “(1) IN GENERAL.—A GU-24 base lamp shall
9 not be an incandescent lamp as defined by ANSI.

10 “(2) GU-24 ADAPTORS.—GU-24 adaptors shall
11 not adapt a GU-24 socket to any other line voltage
12 socket.”.

13 **SEC. 5. EFFICIENCY STANDARDS FOR BOTTLE-TYPE WATER**
14 **DISPENSERS, COMMERCIAL HOT FOOD HOLD-**
15 **ING CABINETS, AND PORTABLE ELECTRIC**
16 **SPAS.**

17 (a) DEFINITIONS.—Section 321 of the Energy Policy
18 and Conservation Act (42 U.S.C. 6291) (as amended by
19 section 4(a)) is amended by adding at the end the fol-
20 lowing:

21 “(72) BOTTLE-TYPE WATER DISPENSER.—The
22 term ‘bottle-type water dispenser’ means a drinking
23 water dispenser that is—

24 “(A) designed for dispensing hot and cold
25 water; and

1 “(B) uses a removable bottle or container
2 as the source of potable water.

3 “(73) COMMERCIAL HOT FOOD HOLDING CABI-
4 NET.—

5 “(A) IN GENERAL.—The term ‘commercial
6 hot food holding cabinet’ means a heated, fully-
7 enclosed compartment that—

8 “(i) is designed to maintain the tem-
9 perature of hot food that has been cooked
10 in a separate appliance;

11 “(ii) has 1 or more solid or glass
12 doors; and

13 “(iii) has an interior volume of 8
14 cubic feet or more.

15 “(B) EXCLUSIONS.—The term ‘commercial
16 hot food holding cabinet’ does not include—

17 “(i) a heated glass merchandising cab-
18 inet;

19 “(ii) a drawer warmer;

20 “(iii) a cook-and-hold appliance; or

21 “(iv) a mobile serving cart with both
22 hot and cold compartments.

23 “(74) COMPARTMENT BOTTLE-TYPE WATER
24 DISPENSER.—The term ‘compartment bottle-type

1 water dispenser’ means a drinking water dispenser
2 that—

3 “(A) is designed for dispensing hot and
4 cold water;

5 “(B) uses a removable bottle or container
6 as the source of potable water; and

7 “(C) includes a refrigerated compartment
8 with or without provisions for making ice.

9 “(75) PORTABLE ELECTRIC SPA.—

10 “(A) IN GENERAL.—The term ‘portable
11 electric spa’ means a factory-built electric spa
12 or hot tub that—

13 “(i) is intended for the immersion of
14 persons in heated water circulated in a
15 closed system; and

16 “(ii) is not intended to be drained and
17 filled with each use.

18 “(B) INCLUSIONS.—The term ‘portable
19 electric spa’ includes—

20 “(i) a filter;

21 “(ii) a heater (including an electric,
22 solar, or gas heater);

23 “(iii) a pump;

24 “(iv) a control; and

1 “(v) other equipment, such as a light,
2 a blower, and water sanitizing equipment.

3 “(C) EXCLUSIONS.—The term ‘portable
4 electric spa’ does not include—

5 “(i) a permanently installed spa that,
6 once installed, cannot be moved; or

7 “(ii) a spa that is specifically designed
8 and exclusively marketed for medical treat-
9 ment or physical therapy purposes.

10 “(76) WATER DISPENSER.—The term ‘water
11 dispenser’ means a factory-made assembly that—

12 “(A) mechanically cools and heats potable
13 water; and

14 “(B) dispenses the cooled or heated water
15 by integral or remote means.”.

16 (b) COVERAGE.—

17 (1) IN GENERAL.—Section 322(a) of the En-
18 ergy Policy and Conservation Act (42 U.S.C.
19 6292(a)) is amended—

20 (A) by redesignating paragraph (20) as
21 paragraph (23); and

22 (B) by inserting after paragraph (19) the
23 following:

24 “(20) Bottle-type water dispensers and com-
25 partment bottle-type water dispensers.

1 “(21) Commercial hot food holding cabinets.

2 “(22) Portable electric spas.”.

3 (2) CONFORMING AMENDMENTS.—

4 (A) Section 324 of the Energy Policy and
5 Conservation Act (42 U.S.C. 6294) is amended
6 by striking “(19)” each place it appears in sub-
7 sections (a)(3), (b)(1)(B), (b)(3), and (b)(5)
8 and inserting “(23)”.

9 (B) Section 325(l) of the Energy Policy
10 and Conservation Act (42 U.S.C. 6295(l)) is
11 amended by striking “paragraph (19)” each
12 place it appears in paragraphs (1) and (2) and
13 inserting “paragraph (23)”.

14 (c) TEST PROCEDURES.—Section 323(b) of the En-
15 ergy Policy and Conservation Act (42 U.S.C. 6293(b)) (as
16 amended by section 2(b)) is amended by adding at the
17 end the following:

18 “(20) BOTTLE-TYPE WATER DISPENSERS.—

19 “(A) IN GENERAL.—Test procedures for
20 bottle-type water dispensers and compartment
21 bottle-type water dispensers shall be based on
22 the document ‘Energy Star Program Require-
23 ments for Bottled Water Coolers version 1.1’
24 published by the Environmental Protection
25 Agency.

1 “(B) INTEGRAL, AUTOMATIC TIMERS.—A
2 unit with an integral, automatic timer shall not
3 be tested under this paragraph using section
4 4D of the test criteria (relating to Timer
5 Usage).

6 “(21) COMMERCIAL HOT FOOD HOLDING CABI-
7 NETS.—

8 “(A) IN GENERAL.—Test procedures for
9 commercial hot food holding cabinets shall be
10 based on the test procedures described in
11 ANSI/ASTM F2140–01 (Test for idle energy
12 rate-dry test).

13 “(B) INTERIOR VOLUME.—Interior volume
14 shall be based under this paragraph on the
15 method demonstrated in the document ‘Energy
16 Star Program Requirements for Commercial
17 Hot Food Holding Cabinets’ of the Environ-
18 mental Protection Agency, as in effect on Au-
19 gust 15, 2003.

20 “(22) PORTABLE ELECTRIC SPAS.—

21 “(A) IN GENERAL.—Test procedures for
22 portable electric spas shall be based on the test
23 method for portable electric spas described in
24 section 1604 of title 20, California Code of
25 Regulations, as amended on December 3, 2008.

1 “(B) NORMALIZED CONSUMPTION.—Con-
2 sumption shall be normalized under this para-
3 graph for a water temperature difference of 37
4 degrees Fahrenheit.

5 “(C) ANSI TEST PROCEDURE.—If the
6 American National Standards Institute pub-
7 lishes a test procedure for portable electric
8 spas, the Secretary shall revise the procedure
9 established under this paragraph, as determined
10 appropriate by the Secretary.”.

11 (d) STANDARDS.—Section 325 of the Energy Policy
12 and Conservation Act (42 U.S.C. 6295) (as amended by
13 section 4(b)) is amended—

14 (1) by redesignating subsection (ii) as sub-
15 section (mm); and

16 (2) by inserting after subsection (hh) the fol-
17 lowing:

18 “(ii) BOTTLE-TYPE WATER DISPENSERS.—Effective
19 beginning on the date that is 1 year after the date of en-
20 actment of the Implementation of National Consensus Ap-
21 pliance Agreements Act of 2011—

22 “(1) a bottle-type water dispenser shall not
23 have standby energy consumption that is greater
24 than 1.2 kilowatt-hours per day; and

1 “(2) a compartment bottle-type water dispenser
2 shall not have standby energy consumption that is
3 greater than 1.3 kilowatt-hours per day.

4 “(jj) COMMERCIAL HOT FOOD HOLDING CABI-
5 NETS.—Effective beginning on the date that is 1 year
6 after the date of enactment of the Implementation of Na-
7 tional Consensus Appliance Agreements Act of 2011, a
8 commercial hot food holding cabinet shall have a max-
9 imum idle energy rate of 40 watts per cubic foot of interior
10 volume.

11 “(kk) PORTABLE ELECTRIC SPAS.—Effective begin-
12 ning on the date that is 1 year after the date of enactment
13 of the Implementation of National Consensus Appliance
14 Agreements Act of 2011, a portable electric spa shall not
15 have a normalized standby power rate of greater than 5
16 ($V^{2/3}$) Watts (in which ‘V’ equals the fill volume (in gal-
17 lons)).

18 “(ll) REVISIONS.—

19 “(1) IN GENERAL.—Not later than the date
20 that is 3 years after the date of enactment of the
21 Implementation of National Consensus Appliance
22 Agreements Act of 2011, the Secretary shall—

23 “(A) consider in accordance with sub-
24 section (o) revisions to the standards estab-
25 lished under subsections (ii), (jj), and (kk); and

1 “(B)(i) publish a final rule establishing the
2 revised standards; or

3 “(ii) make a finding that no revisions are
4 technically feasible and economically justified.

5 “(2) EFFECTIVE DATE.—Any revised standards
6 under this subsection shall take effect not earlier
7 than the date that is 3 years after the date of the
8 publication of the final rule.”.

9 (e) PREEMPTION.—Section 327 of the Energy Policy
10 and Conservation Act (42 U.S.C. 6297) is amended—

11 (1) in subsection (b)—

12 (A) in paragraph (6), by striking “or”
13 after the semicolon at the end;

14 (B) in paragraph (7), by striking the pe-
15 riod at the end and inserting “; or”; and

16 (C) by adding at the end the following:

17 “(8) is a regulation that—

18 “(A) establishes efficiency standards for
19 bottle-type water dispensers, compartment bot-
20 tle-type water dispensers, commercial hot food
21 holding cabinets, or portable electric spas; and

22 “(B) is in effect on or before the date of
23 enactment of this paragraph.”; and

24 (2) in subsection (c)—

1 (A) in paragraph (8)(B), by striking “and”
 2 after the semicolon at the end;

3 (B) in paragraph (9)—

4 (i) by striking “except that—” and all
 5 that follows through “if the Secretary” and
 6 inserting “except that if the Secretary”;

7 (ii) by redesignating clauses (i) and
 8 (ii) as subparagraphs (A) and (B), respec-
 9 tively, and indenting appropriately; and

10 (iii) in subparagraph (B) (as so redesi-
 11 gnated), by striking the period at the end
 12 and inserting “; or”; and

13 (C) by adding at the end the following:

14 “(10) is a regulation that—

15 “(A) establishes efficiency standards for
 16 bottle-type water dispensers, compartment bot-
 17 tle-type water dispensers, commercial hot food
 18 holding cabinets, or portable electric spas; and

19 “(B) is adopted by the California Energy
 20 Commission on or before January 1, 2013.”.

21 **SEC. 6. TEST PROCEDURE PETITION PROCESS.**

22 (a) CONSUMER PRODUCTS OTHER THAN AUTO-
 23 MOBILES.—Section 323(b)(1) of the Energy Policy and
 24 Conservation Act (42 U.S.C. 6293(b)(1)) is amended—

1 (1) in subparagraph (A)(i), by striking
2 “amend” and inserting “publish in the Federal Reg-
3 ister amended”; and

4 (2) by adding at the end the following:

5 “(B) PETITIONS.—

6 “(i) IN GENERAL.—In the case of any
7 covered product, any person may petition
8 the Secretary to conduct a rulemaking—

9 “(I) to prescribe a test procedure
10 for the covered product; or

11 “(II) to amend the test proce-
12 dures applicable to the covered prod-
13 uct to more accurately or fully comply
14 with paragraph (3).

15 “(ii) DETERMINATION.—The Sec-
16 retary shall—

17 “(I) not later than 90 days after
18 the date of receipt of the petition,
19 publish the petition in the Federal
20 Register; and

21 “(II) not later than 180 days
22 after the date of receipt of the peti-
23 tion, grant or deny the petition.

24 “(iii) BASIS.—The Secretary shall
25 grant a petition if the Secretary finds that

1 the petition contains evidence that, assum-
2 ing no other evidence was considered, pro-
3 vides an adequate basis for determining
4 that an amended test procedure would
5 more accurately or fully comply with para-
6 graph (3).

7 “(iv) EFFECT ON OTHER REQUIRE-
8 MENTS.—The granting of a petition by the
9 Secretary under this subparagraph shall
10 create no presumption with respect to the
11 determination of the Secretary that the
12 proposed test procedure meets the require-
13 ments of paragraph (3).

14 “(v) RULEMAKING.—

15 “(I) IN GENERAL.—Except as
16 provided in subclause (II), not later
17 than the end of the 18-month period
18 beginning on the date of granting a
19 petition, the Secretary shall publish
20 an amended test procedure or a deter-
21 mination not to amend the test proce-
22 dure.

23 “(II) EXTENSION.—The Sec-
24 retary may extend the period de-

1 scribed in subclause (I) for 1 addi-
2 tional year.

3 “(III) DIRECT FINAL RULE.—
4 The Secretary may adopt a consensus
5 test procedure in accordance with the
6 direct final rule procedure established
7 under section 325(p)(4).

8 “(C) TEST PROCEDURES.—The Secretary
9 may, in accordance with the requirements of
10 this subsection, prescribe test procedures for
11 any consumer product classified as a covered
12 product under section 322(b).

13 “(D) NEW OR AMENDED TEST PROCE-
14 DURES.—The Secretary shall direct the Na-
15 tional Institute of Standards and Technology to
16 assist in developing new or amended test proce-
17 dures.”.

18 (b) CERTAIN INDUSTRIAL EQUIPMENT.—Section 343
19 of the Energy Policy and Conservation Act (42 U.S.C.
20 6314) is amended—

21 (1) in subsection (a), by striking paragraph (1)
22 and inserting the following:

23 “(1) AMENDMENT AND PETITION PROCESS.—

1 “(A) IN GENERAL.—At least once every 7
2 years, the Secretary shall review test procedures
3 for all covered equipment and—

4 “(i) publish in the Federal Register
5 amended test procedures with respect to
6 any covered equipment, if the Secretary
7 determines that amended test procedures
8 would more accurately or fully comply with
9 paragraphs (2) and (3); or

10 “(ii) publish notice in the Federal
11 Register of any determination not to
12 amend a test procedure.

13 “(B) PETITIONS.—

14 “(i) IN GENERAL.—In the case of any
15 class or category of covered equipment,
16 any person may petition the Secretary to
17 conduct a rulemaking—

18 “(I) to prescribe a test procedure
19 for the covered equipment; or

20 “(II) to amend the test proce-
21 dures applicable to the covered equip-
22 ment to more accurately or fully com-
23 ply with paragraphs (2) and (3).

24 “(ii) DETERMINATION.—The Sec-
25 retary shall—

1 “(I) not later than 90 days after
2 the date of receipt of the petition,
3 publish the petition in the Federal
4 Register; and

5 “(II) not later than 180 days
6 after the date of receipt of the peti-
7 tion, grant or deny the petition.

8 “(iii) BASIS.—The Secretary shall
9 grant a petition if the Secretary finds that
10 the petition contains evidence that, assum-
11 ing no other evidence was considered, pro-
12 vides an adequate basis for determining
13 that an amended test method would more
14 accurately promote energy or water use ef-
15 ficiency.

16 “(iv) EFFECT ON OTHER REQUIRE-
17 MENTS.—The granting of a petition by the
18 Secretary under this paragraph shall cre-
19 ate no presumption with respect to the de-
20 termination of the Secretary that the pro-
21 posed test procedure meets the require-
22 ments of paragraphs (2) and (3).

23 “(v) RULEMAKING.—

24 “(I) IN GENERAL.—Except as
25 provided in subclause (II), not later

1 than the end of the 18-month period
 2 beginning on the date of granting a
 3 petition, the Secretary shall publish
 4 an amended test method or a deter-
 5 mination not to amend the test meth-
 6 od.

7 “(II) EXTENSION.—The Sec-
 8 retary may extend the period de-
 9 scribed in subclause (I) for 1 addi-
 10 tional year.

11 “(III) DIRECT FINAL RULE.—
 12 The Secretary may adopt a consensus
 13 test procedure in accordance with the
 14 direct final rule procedure established
 15 under section 325(p).”;

16 (2) by striking subsection (c); and

17 (3) by redesignating subsections (d) and (e) as
 18 subsections (c) and (d), respectively.

19 **SEC. 7. AMENDMENTS TO HOME APPLIANCE TEST METH-**
 20 **ODS.**

21 Section 323(b) of the Energy Policy and Conserva-
 22 tion Act (42 U.S.C. 6293(b)) (as amended by section 5(e))
 23 is amended by adding at the end the following:

24 “(23) REFRIGERATOR AND FREEZER TEST PRO-
 25 CEDURE.—

1 “(A) IN GENERAL.—Not later than 90
2 days after the date on which the Secretary pub-
3 lishes the final standard rule that was proposed
4 on September 27, 2010, the Secretary shall fi-
5 nalize the interim final test procedure rule pro-
6 posed on December 16, 2010, with such subse-
7 quent modifications to the test procedure or
8 standards as the Secretary determines to be ap-
9 propriate and consistent with this part.

10 “(B) RULEMAKING.—

11 “(i) INITIATION.—Not later than Jan-
12 uary 1, 2012, the Secretary shall initiate a
13 rulemaking to amend the test procedure
14 described in subparagraph (A) only to in-
15 corporate measured automatic icemaker
16 energy use.

17 “(ii) FINAL RULE.—Not later than
18 December 31, 2012, the Secretary shall
19 publish a final rule regarding the matter
20 described in clause (i).

21 “(24) ADDITIONAL HOME APPLIANCE TEST
22 PROCEDURES.—

23 “(A) AMENDED TEST PROCEDURE FOR
24 CLOTHES WASHERS.—Not later than October 1,
25 2011, the Secretary shall publish a final rule

1 amending the residential clothes washer test
2 procedure.

3 “(B) AMENDED TEST PROCEDURE FOR
4 CLOTHES DRYERS.—

5 “(i) IN GENERAL.—Not later than
6 180 days after the date of enactment of
7 this paragraph, the Secretary shall publish
8 an amended test procedure for clothes dry-
9 ers.

10 “(ii) REQUIREMENT.—The amend-
11 ments to the test procedure shall be lim-
12 ited to modifications requiring that tested
13 dryers are run until the cycle (including
14 cool down) is ended by automatic termi-
15 nation controls, if equipped with those con-
16 trols.”.

17 **SEC. 8. CREDIT FOR ENERGY STAR SMART APPLIANCES.**

18 Section 324A of the Energy Policy and Conservation
19 Act (42 U.S.C. 6294a) is amended by adding at the end
20 the following:

21 “(e) CREDIT FOR SMART APPLIANCES.—Not later
22 than 180 days after the date of enactment of this sub-
23 section, after soliciting comments pursuant to subsection
24 (c)(5), the Administrator of the Environmental Protection
25 Agency, in cooperation with the Secretary, shall determine

1 whether to update the Energy Star criteria for residential
 2 refrigerators, refrigerator-freezers, freezers, dishwashers,
 3 clothes washers, clothes dryers, and room air conditioners
 4 to incorporate smart grid and demand response features.”.

5 **SEC. 9. VIDEO GAME CONSOLE ENERGY EFFICIENCY**
 6 **STUDY.**

7 (a) IN GENERAL.—Part B of title III of the Energy
 8 Policy and Conservation Act is amended by inserting after
 9 section 324A (42 U.S.C. 6294a) the following:

10 **“SEC. 324B. VIDEO GAME CONSOLE ENERGY EFFICIENCY**
 11 **STUDY.**

12 “(a) INITIAL STUDY.—

13 “(1) IN GENERAL.—Not later than 1 year after
 14 the date of enactment of this section, the Secretary
 15 shall conduct a study of—

16 “(A) video game console energy use; and

17 “(B) opportunities for energy savings re-
 18 garding that energy use.

19 “(2) INCLUSIONS.—The study under paragraph
 20 (1) shall include an assessment of all power-con-
 21 suming modes and media playback modes of video
 22 game consoles.

23 “(b) ACTION ON COMPLETION.—On completion of
 24 the initial study under subsection (a), the Secretary shall
 25 determine, by regulation, using the criteria and procedures

1 described in section 325(n)(2), whether to initiate a pro-
 2 cess for establishing minimum energy efficiency standards
 3 for video game console energy use.

4 “(c) FOLLOW-UP STUDY.—If the Secretary deter-
 5 mines under subsection (b) that standards should not be
 6 established, the Secretary shall conduct a follow-up study
 7 in accordance with subsection (a) by not later than 3 years
 8 after the date of the determination.”.

9 (b) APPLICATION DATE.—Subsection (nn)(1) of sec-
 10 tion 325 of the Energy Policy and Conservation Act (42
 11 U.S.C. 6295) (as redesignated by section 5(d)(1)) is
 12 amended by inserting “or section 324B” after “subsection
 13 (l), (u), or (v)” each place it appears.

14 **SEC. 10. REFRIGERATOR AND FREEZER STANDARDS.**

15 Section 325(b) of the Energy Policy and Conserva-
 16 tion Act (42 U.S.C. 6295(b)) is amended by striking para-
 17 graph (4) and inserting the following:

18 “(4) REFRIGERATORS, REFRIGERATOR-FREEZ-
 19 ERS, AND FREEZERS MANUFACTURED AS OF JANU-
 20 ARY 1, 2014.—

21 “(A) DEFINITION OF BUILT-IN PRODUCT
 22 CLASS.—In this paragraph, the term ‘built-in
 23 product class’ means a refrigerator, freezer, or
 24 refrigerator with a freezer unit that—

1 “(i) is 7.75 cubic feet or greater in
2 total volume and 24 inches or less in cabi-
3 net depth (not including doors, handles,
4 and custom front panels);

5 “(ii) is designed to be totally encased
6 by cabinetry or panels attached during in-
7 stallation;

8 “(iii) is designed to accept a custom
9 front panel or to be equipped with an inte-
10 gral factory-finished face;

11 “(iv) is designed to be securely fas-
12 tened to adjacent cabinetry, walls, or
13 floors; and

14 “(v) has 2 or more sides that are
15 not—

16 “(I) fully finished; and

17 “(II) intended to be visible after
18 installation.

19 “(B) MAXIMUM ENERGY USE.—

20 “(i) IN GENERAL.—Based on the test
21 procedure in effect on July 9, 2010, the
22 maximum energy use allowed in kilowatt
23 hours per year for each product described
24 in the table contained in clause (ii) (other
25 than refrigerators and refrigerator-freezers

1 with total refrigerated volume exceeding 39
 2 cubic feet and freezers with total refrig-
 3 erated volume exceeding 30 cubic feet) that
 4 is manufactured on or after January 1,
 5 2014, is specified in the table contained in
 6 that clause.

7 “(ii) STANDARDS EQUATIONS.—The
 8 allowed maximum energy use referred to in
 9 clause (i) is as follows:

“Standards Equations	
Product Description	
Automatic Defrost Refrigerator-Freezers	
Top Freezer w/o TTD ice	7.35 AV+ 207.0
Top Freezer w/ TTD ice	7.65 AV+ 267.0
Side Freezer w/o TTD ice	3.68 AV+ 380.6
Side Freezer w/ TTD ice	7.58 AV+304.5
Bottom Freezer w/o TTD ice	3.68 AV+ 367.2
Bottom Freezer w/ TTD ice	4.0 AV+ 431.2
Manual & Partial Automatic Refrigerator-Freezers	
Manual Defrost	7.06 AV+ 198.7
Partial Automatic	7.06 AV+198.7
All Refrigerators	
Manual Defrost	7.06AV+198.7
Automatic Defrost	7.35 AV+ 207.0
All Freezers	
Upright with manual defrost	5.66 AV+ 193.7
Upright with automatic defrost	8.70 AV+ 228.3

Chest with manual defrost	7.41 AV+ 107.8
Chest with automatic defrost	10.33 AV+ 148.1
Automatic Defrost Refrigerator-Freezers-Compact Size	
Top Freezer and Bottom Freezer	10.80 AV+ 301.8
Side Freezer	6.08 AV+ 400.8
Manual & Partial Automatic Refrigerator-Freezers-Compact Size	
Manual Defrost	8.03 AV+ 224.3
Partial Automatic	5.25 AV+ 298.5
All Refrigerators-Compact Size	
Manual defrost	8.03 AV+ 224.3
Automatic defrost	9.53 AV+ 266.3
All Freezers-Compact Size	
Upright with manual defrost	8.80 AV+ 225.7
Upright with automatic defrost	10.26 AV+ 351.9
Chest	9.41AV+ 136.8
Automatic Defrost Refrigerator-Freezers-Built-ins	
Top Freezer w/o TTD ice	7.84 AV+ 220.8
Side Freezer w/o TTD ice	3.93 AV+ 406.0
Side Freezer w/ TTD ice	8.08 AV+ 324.8
Bottom Freezer w/o TTD ice	3.91 AV+ 390.2
Bottom Freezer w/ TTD ice	4.25 AV+ 458.2
All Refrigerators-Built-ins	
Automatic Defrost	7.84 AV+ 220.8
All Freezers-Built-ins	
Upright with automatic defrost	9.32 AV+ 244.6.

1 “(I) IN GENERAL.—Except as
2 provided in subclause (II), after the
3 date of publication of each test proce-
4 dure change made pursuant to section
5 323(b)(23), in accordance with the
6 procedures described in section
7 323(e)(2), the Secretary shall publish
8 final rules to amend the standards
9 specified in the table contained in
10 clause (ii).

11 “(II) EXCEPTION.—The stand-
12 ards amendment made pursuant to
13 the test procedure change required
14 under section 323(b)(23)(B) shall be
15 based on the difference between—

16 “(aa) the average measured
17 automatic ice maker energy use
18 of a representative sample for
19 each product class; and

20 “(bb) the value assumed by
21 the Department of Energy for ice
22 maker energy use in the test pro-
23 cedure published pursuant to sec-
24 tion 323(b)(23)(A).

1 “(III) APPLICABILITY.—Section
2 323(e)(3) shall not apply to the rules
3 described in this clause.

4 “(iv) FINAL RULE.—The Secretary
5 shall publish any final rule required by
6 clause (iii) by not later than the later of
7 the date that is 180 days after—

8 “(I) the date of enactment of this
9 clause; or

10 “(II) the date of publication of a
11 final rule to amend the test procedure
12 described in section 323(b)(23).

13 “(v) NEW PRODUCT CLASSES.—The
14 Secretary may establish 1 or more new
15 product classes as part of the final amend-
16 ed standard adopted pursuant to the test
17 procedure change required under section
18 323(b)(23)(B) if the 1 or more new prod-
19 uct classes are needed to distinguish
20 among products with automatic icemakers.

21 “(vi) EFFECTIVE DATES OF STAND-
22 ARDS.—

23 “(I) STANDARDS AMENDMENT
24 FOR FIRST REVISED TEST PROCE-
25 DURE.—A standards amendment

1 adopted pursuant to a test procedure
2 change required under section
3 323(b)(23)(A) shall apply to any
4 product manufactured as of January
5 1, 2014.

6 “(II) STANDARDS AMENDMENT
7 AFTER REVISED TEST PROCEDURE
8 FOR ICEMAKER ENERGY.—An amend-
9 ment adopted pursuant to a test pro-
10 cedure change required under section
11 323(b)(23)(B) shall apply to any
12 product manufactured as of the date
13 that is 3 years after the date of publi-
14 cation of the final rule amending the
15 standards.

16 “(vii) SLOPE AND INTERCEPT AD-
17 JUSTMENTS.—

18 “(I) IN GENERAL.—With respect
19 to refrigerators, freezers, and refrig-
20 erator-freezers, the Secretary may, by
21 rule, adjust the slope and intercept of
22 the equations specified in the table
23 contained in clause (ii)—

1 “(aa) based on the energy
2 use of typical products of various
3 sizes in a product class; and

4 “(bb) if the average energy
5 use for each of the classes is the
6 same under the new equations as
7 under the equations specified in
8 the table contained in clause (ii).

9 “(II) DEADLINE.—If the Sec-
10 retary adjusts the slope and intercept
11 of an equation described in subclause
12 (I), the Secretary shall publish the
13 final rule containing the adjustment
14 by not later than July 1, 2011.

15 “(viii) EFFECT.—A final rule pub-
16 lished under clause (iii) pursuant to the
17 test procedure change required under sec-
18 tion 323(b)(23)(B) or pursuant to clause
19 (iv) shall not be considered to be an
20 amendment to the standard for purposes
21 of section 325(m).”.

22 **SEC. 11. ROOM AIR CONDITIONER STANDARDS.**

23 Section 325(c) of the Energy Policy and Conservation
24 Act (42 U.S.C. 6295(c)) is amended by adding at the end
25 the following:

1 “(3) MINIMUM ENERGY EFFICIENCY RATIO OF
2 ROOM AIR CONDITIONERS MANUFACTURED ON OR
3 AFTER JUNE 1, 2014.—

4 “(A) IN GENERAL.—Based on the test pro-
5 cedure in effect on July 9, 2010, the minimum
6 energy efficiency ratios of room air conditioners
7 manufactured on or after June 1, 2014, shall
8 not be less than that specified in the table con-
9 tained in subparagraph (B).

10 “(B) MINIMUM ENERGY EFFICIENCY RA-
11 TIOS.—The minimum energy efficiency ratios
12 referred to in subparagraph (A) are as follows:

“Product Description	Minimum EER
Without Reverse Cycle w/Louvers	
<6,000 Btu/h	11.2
6,000 to 7,999 Btu/h	11.2
8,000-13,999 Btu/h	11.0
14,000 to 19,999 Btu/h	10.8
20,000-27,999 Btu/h	9.4
≥28,000 Btu/h	9.0
Without Reverse Cycle w/o Louvers	
<6,000 Btu/h	10.2
6,000 to 7,999 Btu/h	10.2
8,000-10,999 Btu/h	9.7
11,000-13,999 Btu/h	9.6
14,000 to 19,999 Btu/h	9.4

“Product Description	Minimum EER
≥20,000 Btu/h	9.4
With Reverse Cycle	
<20,000 w/Louvers Btu/h	9.9
≥ 20,000 w/Louvers Btu/h	9.4
<14,000 w/o Louvers Btu/h	9.4
≥14,000 w/o Louvers Btu/h	8.8
Casement	
Casement Only	9.6
Casement-Slider	10.5.

1 “(C) FINAL RULE.—

2 “(i) IN GENERAL.—Not later than
3 July 1, 2011, pursuant to the test proce-
4 dure adopted by the Secretary on January
5 6, 2011, the Secretary shall amend the
6 standards specified in the table contained
7 in subparagraph (B) in accordance with
8 the procedures described in section
9 323(e)(2).

10 “(ii) STANDBY AND OFF MODE EN-
11 ERGY CONSUMPTION.—

12 “(I) IN GENERAL.—The Sec-
13 retary shall integrate standby and off
14 mode energy consumption into the
15 amended energy efficiency ratios
16 standards required under clause (i).

1 “(II) REQUIREMENTS.—The
2 amended standards described in sub-
3 clause (I) shall reflect the levels of
4 standby and off mode energy con-
5 sumption that meet the criteria de-
6 scribed in section 325(o).

7 “(iii) APPLICABILITY.—

8 “(I) AMENDMENT OF STAND-
9 ARD.—Section 323(e)(3) shall not
10 apply to the amended standards de-
11 scribed in clause (i).

12 “(II) AMENDED STANDARDS.—
13 The amended standards required by
14 this subparagraph shall apply to prod-
15 ucts manufactured on or after June 1,
16 2014.”.

17 **SEC. 12. UNIFORM EFFICIENCY DESCRIPTOR FOR COV-**
18 **ERED WATER HEATERS.**

19 Section 325(e) of the Energy Policy and Conservation
20 Act (42 U.S.C. 6295(e)) is amended by adding at the end
21 the following:

22 “(5) UNIFORM EFFICIENCY DESCRIPTOR FOR
23 COVERED WATER HEATERS.—

24 “(A) DEFINITIONS.—In this paragraph:

1 “(i) COVERED WATER HEATER.—The
2 term ‘covered water heater’ means—

3 “(I) a water heater; and

4 “(II) a storage water heater, in-
5 stantaneous water heater, and unfired
6 water storage tank (as defined in sec-
7 tion 340).

8 “(ii) FINAL RULE.—The term ‘final
9 rule’ means the final rule published under
10 this paragraph.

11 “(B) PUBLICATION OF FINAL RULE.—Not
12 later than 180 days after the date of enactment
13 of this paragraph, the Secretary shall publish a
14 final rule that establishes a uniform efficiency
15 descriptor and accompanying test methods for
16 covered water heaters.

17 “(C) PURPOSE.—The purpose of the final
18 rule shall be to replace with a uniform effi-
19 ciency descriptor—

20 “(i) the energy factor descriptor for
21 water heaters established under this sub-
22 section; and

23 “(ii) the thermal efficiency and stand-
24 by loss descriptors for storage water heat-
25 ers, instantaneous water heaters, and

1 unfired water storage tanks established
2 under section 342(a)(5).

3 “(D) EFFECT OF FINAL RULE.—

4 “(i) IN GENERAL.—Notwithstanding
5 any other provision of this title, effective
6 beginning on the effective date of the final
7 rule, the efficiency standard for covered
8 water heaters shall be denominated accord-
9 ing to the efficiency descriptor established
10 by the final rule.

11 “(ii) EFFECTIVE DATE.—The final
12 rule shall take effect 1 year after the date
13 of publication of the final rule under sub-
14 paragraph (B).

15 “(E) CONVERSION FACTOR.—

16 “(i) IN GENERAL.—The Secretary
17 shall develop a mathematical conversion
18 factor for converting the measurement of
19 efficiency for covered water heaters from
20 the test procedures in effect on the date of
21 enactment of this paragraph to the new
22 energy descriptor established under the
23 final rule.

24 “(ii) APPLICATION.—The conversion
25 factor shall apply to models of covered

1 water heaters affected by the final rule and
2 tested prior to the effective date of the
3 final rule.

4 “(iii) EFFECT ON EFFICIENCY RE-
5 QUIREMENTS.—The conversion factor shall
6 not affect the minimum efficiency require-
7 ments for covered water heaters otherwise
8 established under this title.

9 “(iv) USE.—During the period de-
10 scribed in clause (v), a manufacturer may
11 apply the conversion factor established by
12 the Secretary to rerate existing models of
13 covered water heaters that are in existence
14 prior to the effective date of the rule de-
15 scribed in clause (v)(II) to comply with the
16 new efficiency descriptor.

17 “(v) PERIOD.—Subclause (E) shall
18 apply during the period—

19 “(I) beginning on the date of
20 publication of the conversion factor in
21 the Federal Register; and

22 “(II) ending on April 16, 2015.

23 “(F) EXCLUSIONS.—The final rule may
24 exclude a specific category of covered water
25 heaters from the uniform efficiency descriptor

1 established under this paragraph if the Sec-
2 retary determines that the category of water
3 heaters—

4 “(i) does not have a residential use
5 and can be clearly described in the final
6 rule; and

7 “(ii) are effectively rated using the
8 thermal efficiency and standby loss
9 descriptors applied (on the date of enact-
10 ment of this paragraph) to the category
11 under section 342(a)(5).

12 “(G) OPTIONS.—The descriptor set by the
13 final rule may be—

14 “(i) a revised version of the energy
15 factor descriptor in use on the date of en-
16 actment of this paragraph;

17 “(ii) the thermal efficiency and stand-
18 by loss descriptors in use on that date;

19 “(iii) a revised version of the thermal
20 efficiency and standby loss descriptors;

21 “(iv) a hybrid of descriptors; or

22 “(v) a new approach.

23 “(H) APPLICATION.—The efficiency
24 descriptor and accompanying test method estab-
25 lished under the final rule shall apply, to the

1 maximum extent practicable, to all water heat-
2 ing technologies in use on the date of enact-
3 ment of this paragraph and to future water
4 heating technologies.

5 “(I) PARTICIPATION.—The Secretary shall
6 invite interested stakeholders to participate in
7 the rulemaking process used to establish the
8 final rule.

9 “(J) TESTING OF ALTERNATIVE
10 DESCRIPTORS.—In establishing the final rule,
11 the Secretary shall contract with the National
12 Institute of Standards and Technology, as nec-
13 essary, to conduct testing and simulation of al-
14 ternative descriptors identified for consider-
15 ation.

16 “(K) EXISTING COVERED WATER HEAT-
17 ERS.—A covered water heater shall be consid-
18 ered to comply with the final rule on and after
19 the effective date of the final rule and with any
20 revised labeling requirements established by the
21 Federal Trade Commission to carry out the
22 final rule if the covered water heater—

23 “(i) was manufactured prior to the ef-
24 fective date of the final rule; and

1 “(ii) complied with the efficiency
2 standards and labeling requirements in ef-
3 fect prior to the final rule.”.

4 **SEC. 13. CLOTHES DRYERS.**

5 Section 325(g)(4) of the Energy Policy and Con-
6 servation Act (42 U.S.C. 6295(g)(4)) is amended by add-
7 ing at the end the following:

8 “(D) MINIMUM ENERGY FACTORS FOR
9 CLOTHES DRYERS.—

10 “(i) IN GENERAL.—Based on the test
11 procedure in effect as of July 9, 2010,
12 clothes dryers manufactured on or after
13 January 1, 2015, shall comply with the
14 minimum energy factors specified in the
15 table contained in clause (ii).

16 “(ii) NEW STANDARDS.—The min-
17 imum energy factors referred to in clause
18 (i) are as follows:

“Product Description	EF
Vented Electric Standard	3.17.
Vented Electric Compact 120V	3.29.
Vented Electric Compact 240V	3.05.
Vented Gas	2.81.
Vent-Less Electric Compact 240V	2.37.
Vent-Less Electric Combination Washer/Dryer	1.95.

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“(iii) FINAL RULE.—

“(I) REQUIREMENTS.—

“(aa) IN GENERAL.—The final rule to amend the clothes dryer test procedure adopted pursuant to section 323(b)(24)(B) shall amend the energy factors standards specified in the table contained in clause (ii) in accordance with the procedures described in section 323(e)(2).

“(bb) REPRESENTATIVE SAMPLE.—To establish a representative sample of compliant products, the Secretary shall select a sample of minimally compliant dryers that automatically terminate the drying cycle at not less than 4 percent remaining moisture content.

“(II) STANDBY AND OFF MODE ENERGY CONSUMPTION.—

“(aa) INTEGRATION.—The Secretary shall integrate standby and off mode energy consumption

1 into the amended standards re-
2 quired under subclause (I).

3 “(bb) REQUIREMENTS.—

4 The amended standards de-
5 scribed in item (aa) shall reflect
6 levels of standby and off mode
7 energy consumption that meet
8 the criteria described in section
9 325(o).

10 “(III) APPLICABILITY.—

11 “(aa) AMENDMENT OF
12 STANDARD.—Section 323(e)(3)
13 shall not apply to the amended
14 standards described in subclause
15 (I).

16 “(bb) AMENDED STAND-
17 ARDS.—The amended standards
18 required by this clause shall
19 apply to products manufactured
20 on or after January 1, 2015.

21 “(iv) OTHER STANDARDS.—Any dryer
22 energy conservation standard that takes ef-
23 fect after the date of enactment of this
24 subparagraph but before the amended

1 standard required by this subparagraph
2 shall not apply.”.

3 **SEC. 14. STANDARDS FOR CLOTHES WASHERS.**

4 Section 325(g)(9) of the Energy Policy and Con-
5 servation Act (42 U.S.C. 6295(g)(9)) is amended by strik-
6 ing subparagraph (B) and inserting the following:

7 “(B) AMENDMENT OF STANDARDS.—

8 “(i) PRODUCTS MANUFACTURED ON
9 OR AFTER JANUARY 1, 2015.—

10 “(I) IN GENERAL.—Based on the
11 test procedure in effect on July 9,
12 2010, clothes washers manufactured
13 on or after January 1, 2015, shall
14 comply with the minimum modified
15 energy factors and maximum water
16 factors specified in the table contained
17 in subclause (II).

18 “(II) STANDARDS.—The min-
19 imum modified energy factors and
20 maximum water factors referred to in
21 subclause (I) are as follows:

	“MEF	WF
Top Loading—Standard	1.72	8.0
Top Loading—Compact	1.26	14.0
Front Loading—Standard	2.2	4.5
Front Loading—Compact (less than 1.6 cu. ft. capacity)	1.72	8.0.

1 “(ii) PRODUCTS MANUFACTURED ON
2 OR AFTER JANUARY 1, 2018.—

3 “(I) IN GENERAL.—Based on the
4 test procedure in effect on July 9,
5 2010, top-loading clothes washers
6 manufactured on or after January 1,
7 2018, shall comply with the minimum
8 modified energy factors and maximum
9 water factors specified in the table
10 contained in subclause (II).

11 “(II) STANDARDS.—The min-
12 imum modified energy factors and
13 maximum water factors referred to in
14 subclause (I) are as follows:

	“MEF	WF
Top Loading—Standard	2.0	6.0
Top Loading—Compact	1.81	11.6.

15 “(iii) FINAL RULE.—

16 “(I) IN GENERAL.—The final
17 rule to amend the clothes washer test
18 procedure adopted pursuant to section
19 323(b)(24)(A) shall amend the stand-
20 ards described in clauses (i) and (ii)
21 in accordance with the procedures de-
22 scribed in section 323(e)(2).

1 “(II) STANDBY AND OFF MODE
2 ENERGY CONSUMPTION.—

3 “(aa) INTEGRATION.—The
4 Secretary shall integrate standby
5 and off mode energy consumption
6 into the amended modified en-
7 ergy factor standards required
8 under subclause (I).

9 “(bb) REQUIREMENTS.—
10 The amended modified energy
11 factor standards described in
12 item (aa) shall reflect levels of
13 standby and off mode energy
14 consumption that meet the cri-
15 teria described in section 325(o).

16 “(III) APPLICABILITY.—

17 “(aa) AMENDMENT OF
18 STANDARD.—Section 323(e)(3)
19 shall not apply to the amended
20 standards described in subclause
21 (I).

22 “(bb) AMENDED STANDARDS
23 FOR PRODUCTS MANUFACTURED
24 ON OR AFTER JANUARY 1, 2015.—
25 Amended standards required by

1 this clause that are based on
 2 clause (i) shall apply to products
 3 manufactured on or after Janu-
 4 ary 1, 2015.

5 “(cc) AMENDED STANDARDS
 6 FOR PRODUCTS MANUFACTURED
 7 ON OR AFTER JANUARY 1, 2018.—
 8 Amended standards required by
 9 this clause that are based on
 10 clause (ii) shall apply to products
 11 manufactured on or after Janu-
 12 ary 1, 2018.”.

13 **SEC. 15. DISHWASHERS.**

14 Section 325(g)(10) of the Energy Policy and Con-
 15 servation Act (42 U.S.C. 6295(g)(10)) is amended—

16 (1) by striking subparagraph (A);

17 (2) by redesignating subparagraph (B) as sub-
 18 paragraph (D); and

19 (3) by inserting before subparagraph (D) (as
 20 redesignated by paragraph (2)) the following:

21 “(A) DISHWASHERS MANUFACTURED ON
 22 OR AFTER JANUARY 1, 2010.—A dishwasher
 23 manufactured on or after January 1, 2010,
 24 shall—

1 “(i) for a standard size dishwasher,
2 not exceed 355 kilowatt hours per year and
3 6.5 gallons per cycle; and

4 “(ii) for a compact size dishwasher,
5 not exceed 260 kilowatt hours per year and
6 4.5 gallons per cycle.

7 “(B) DISHWASHERS MANUFACTURED ON
8 OR AFTER JANUARY 1, 2013.—A dishwasher
9 manufactured on or after January 1, 2013,
10 shall—

11 “(i) for a standard size dishwasher,
12 not exceed 307 kilowatt hours per year and
13 5.0 gallons per cycle; and

14 “(ii) for a compact size dishwasher,
15 not exceed 222 kilowatt hours per year and
16 3.5 gallons per cycle.

17 “(C) REQUIREMENTS OF FINAL RULES.—

18 “(i) IN GENERAL.—Any final rule to
19 amend the dishwasher test procedure after
20 July 9, 2010, and before January 1, 2013,
21 shall amend the standards described in
22 subparagraph (B) in accordance with the
23 procedures described in section 323(e)(2).

24 “(ii) APPLICABILITY.—

1 “(I) AMENDMENT OF STAND-
2 ARD.—Section 323(e)(3) shall not
3 apply to the amended standards de-
4 scribed in clause (i).

5 “(II) AMENDED STANDARDS.—
6 The amended standards required by
7 this subparagraph shall apply to prod-
8 ucts manufactured on or after Janu-
9 ary 1, 2013.”.

10 **SEC. 16. STANDARDS FOR CERTAIN REFLECTOR LAMPS.**

11 *Section 325(i) of the Energy Policy and Conservation*
12 *Act (42 U.S.C. 6295(i)) is amended by adding at the end*
13 *the following:*

14 “(9) *REFLECTOR LAMPS.—In conducting*
15 *rulemakings for reflector lamps after January 1,*
16 *2014, the Secretary shall consider—*

17 “(A) *incandescent and nonincandescent*
18 *technologies; and*

19 “(B) *a new energy-related measure, other*
20 *than lumens per watt, that is based on the photo-*
21 *metric distribution of those lamps.”.*

22 **SEC. 16.17. PETITION FOR AMENDED STANDARDS.**

23 Section 325(n) of the Energy Policy and Conserva-
24 tion Act (42 U.S.C. 6295(n)) is amended—

1 (1) by redesignating paragraph (3) as para-
2 graph (5); and

3 (2) by inserting after paragraph (2) the fol-
4 lowing:

5 “(3) NOTICE OF DECISION.—Not later than
6 180 days after the date of receiving a petition, the
7 Secretary shall publish in the Federal Register a no-
8 tice of, and explanation for, the decision of the Sec-
9 retary to grant or deny the petition.

10 “(4) NEW OR AMENDED STANDARDS.—Not
11 later than 3 years after the date of granting a peti-
12 tion for new or amended standards, the Secretary
13 shall publish in the Federal Register—

14 “(A) a final rule that contains the new or
15 amended standards; or

16 “(B) a determination that no new or
17 amended standards are necessary.”.

18 **SEC. 17.18. PROHIBITED ACTS.**

19 Section 332(a) of the Energy Policy and Conserva-
20 tion Act (42 U.S.C. 6302(a)) is amended—

21 (1) in paragraph (1), by striking “for any man-
22 ufacturer or private labeler to distribute” and insert-
23 ing “for any manufacturer (or representative of a
24 manufacturer), distributor, retailer, or private label-
25 er to offer for sale or distribute”;

1 (2) by striking paragraph (5) and inserting the
2 following:

3 “(5) for any manufacturer (or representative of
4 a manufacturer), distributor, retailer, or private la-
5 beler—

6 “(A) to offer for sale or distribute in com-
7 merce any new covered product that is not in
8 conformity with an applicable energy conserva-
9 tion standard established in or prescribed under
10 this part; or

11 “(B) if the standard is a regional standard
12 that is more stringent than the base national
13 standard, to offer for sale or distribute in com-
14 merce any new covered product having knowl-
15 edge (consistent with the definition of ‘know-
16 ingly’ in section 333(b)) that the product will
17 be installed at a location covered by a regional
18 standard established in or prescribed under this
19 part and will not be in conformity with the
20 standard;”;

21 (3) in paragraph (6) (as added by section
22 306(b)(2) of Public Law 110–140 (121 Stat.
23 1559)), by striking the period at the end and insert-
24 ing a semicolon;

1 (4) by redesignating paragraph (6) (as added
2 by section 321(e)(3) of Public Law 110–140 (121
3 Stat. 1586)) as paragraph (7);

4 (5) in paragraph (7) (as so redesignated)—

5 (A) by striking “for any manufacturer, dis-
6 tributor, retailer, or private labeler to dis-
7 tribute” and inserting “for any manufacturer
8 (or representative of a manufacturer), dis-
9 tributor, retailer, or private labeler to offer for
10 sale or distribute”; and

11 (B) by striking the period at the end and
12 inserting a semicolon; and

13 (6) by inserting after paragraph (7) (as so re-
14 designated) the following:

15 “(8) for any manufacturer or private labeler to
16 distribute in commerce any new covered product that
17 has not been properly certified in accordance with
18 the requirements established in or prescribed under
19 this part;

20 “(9) for any manufacturer or private labeler to
21 distribute in commerce any new covered product that
22 has not been properly tested in accordance with the
23 requirements established in or prescribed under this
24 part; and

1 “(10) for any manufacturer or private labeler to
2 violate any regulation lawfully promulgated to imple-
3 ment any provision of this part.”.

4 **SEC. 18.19. OUTDOOR LIGHTING.**

5 (a) DEFINITIONS.—

6 (1) COVERED EQUIPMENT.—Section 340(1) of
7 the Energy Policy and Conservation Act (42 U.S.C.
8 6311(1)) is amended—

9 (A) by redesignating subparagraph (L) as
10 subparagraph (O); and

11 (B) by inserting after subparagraph (K)
12 the following:

13 “(L) High light output double-ended
14 quartz halogen lamps.

15 “(M) General purpose mercury vapor
16 lamps.”.

17 (2) INDUSTRIAL EQUIPMENT.—Section
18 340(2)(B) of the Energy Policy and Conservation
19 Act (42 U.S.C. 6311(2)(B)) is amended—

20 (A) by striking “and” before “unfired hot
21 water”; and

22 (B) by inserting after “tanks” the fol-
23 lowing: “, high light output double-ended quartz
24 halogen lamps, and general purpose mercury
25 vapor lamps”.

1 (3) NEW DEFINITIONS.—Section 340 of the
2 Energy Policy and Conservation Act (42 U.S.C.
3 6311) is amended—

4 (A) by redesignating paragraphs (22) and
5 (23) (as amended by sections 312(a)(2) and
6 314(a) of the Energy Independence and Secu-
7 rity Act of 2007 (121 Stat. 1564, 1569)) as
8 paragraphs (23) and (24), respectively; and

9 (B) by adding at the end the following:

10 “(25) GENERAL PURPOSE MERCURY VAPOR
11 LAMP.—The term ‘general purpose mercury vapor
12 lamp’ means a mercury vapor lamp (as defined in
13 section 321) that—

14 “(A) has a screw base;

15 “(B) is designed for use in general lighting
16 applications (as defined in section 321);

17 “(C) is not a specialty application mercury
18 vapor lamp; and

19 “(D) is designed to operate on a mercury
20 vapor lamp ballast (as defined in section 321)
21 or is a self-ballasted lamp.

22 “(26) HIGH LIGHT OUTPUT DOUBLE-ENDED
23 QUARTZ HALOGEN LAMP.—The term ‘high light out-
24 put double-ended quartz halogen lamp’ means a
25 lamp that—

1 “(A) is designed for general outdoor light-
2 ing purposes;

3 “(B) contains a tungsten filament;

4 “(C) has a rated initial lumen value of
5 greater than 6,000 and less than 40,000
6 lumens;

7 “(D) has at each end a recessed single
8 contact, R7s base;

9 “(E) has a maximum overall length (MOL)
10 between 4 and 11 inches;

11 “(F) has a nominal diameter less than $\frac{3}{4}$
12 inch (T6);

13 “(G) is designed to be operated at a volt-
14 age not less than 110 volts and not greater
15 than 200 volts or is designed to be operated at
16 a voltage between 235 volts and 300 volts;

17 “(H) is not a tubular quartz infrared heat
18 lamp; and

19 “(I) is not a lamp marked and marketed
20 as a Stage and Studio lamp with a rated life of
21 500 hours or less.

22 “(27) SPECIALTY APPLICATION MERCURY
23 VAPOR LAMP.—The term ‘specialty application mer-
24 cury vapor lamp’ means a mercury vapor lamp (as
25 defined in section 321) that is—

1 “(A) designed only to operate on a spe-
 2 cialty application mercury vapor lamp ballast
 3 (as defined in section 321); and

4 “(B) is marked and marketed for specialty
 5 applications only.

6 “(28) TUBULAR QUARTZ INFRARED HEAT
 7 LAMP.—The term ‘tubular quartz infrared heat
 8 lamp’ means a double-ended quartz halogen lamp
 9 that—

10 “(A) is marked and marketed as an infra-
 11 red heat lamp; and

12 “(B) radiates predominately in the infra-
 13 red radiation range and in which the visible ra-
 14 diation is not of principle interest.”.

15 (b) STANDARDS.—Section 342 of the Energy Policy
 16 and Conservation Act (42 U.S.C. 6313) is amended by
 17 adding at the end the following:

18 “(g) HIGH LIGHT OUTPUT DOUBLE-ENDED QUARTZ
 19 HALOGEN LAMPS.—A high light output double-ended
 20 quartz halogen lamp manufactured on or after January
 21 1, 2016, shall have a minimum efficiency of—

22 “(1) 27 LPW for lamps with a minimum rated
 23 initial lumen value greater than 6,000 and a max-
 24 imum initial lumen value of 15,000; and

1 “(2) 34 LPW for lamps with a rated initial
2 lumen value greater than 15,000 and less than
3 40,000.

4 “(h) GENERAL PURPOSE MERCURY VAPOR
5 LAMPS.—A general purpose mercury vapor lamp shall not
6 be manufactured on or after January 1, 2016.”.

7 (c) PREEMPTION.—Section 345 of the Energy Policy
8 and Conservation Act (42 U.S.C. 6316) is amended—

9 (1) in the first sentence of subsection (a), by
10 striking “The” and inserting “Except as otherwise
11 provided in this section, the”; and

12 (2) by adding at the end the following:

13 “(i) HIGH LIGHT OUTPUT DOUBLE-ENDED QUARTZ
14 HALOGEN LAMPS.—

15 “(1) IN GENERAL.—Except as provided in para-
16 graph (2), section 327 shall apply to high light out-
17 put double-ended quartz halogen lamps to the same
18 extent and in the same manner as described in sec-
19 tion 325(n)(1).

20 “(2) STATE ENERGY CONSERVATION STAND-
21 ARDS.—Any State energy conservation standard that
22 is adopted on or before January 1, 2015, pursuant
23 to a statutory requirement to adopt efficiency stand-
24 ard for reducing outdoor lighting energy use enacted
25 prior to January 31, 2008, shall not be preempted.”.

1 **SEC. 19.20. STANDARDS FOR COMMERCIAL FURNACES.**

2 Section 342(a) of the Energy Policy and Conserva-
3 tion Act (42 U.S.C. 6313(a)) is amended by adding at
4 the end the following:

5 “(11) Warm air furnaces with an input rating
6 of 225,000 Btu per hour or more and manufactured
7 on or after the date that is 1 year after the date of
8 enactment of this paragraph shall meet the following
9 standard levels:

10 “(A) Gas-fired units shall—

11 “(i) have a minimum ~~combustion~~ *ther-*
12 *mal* efficiency of 80 percent;

13 “(ii) include an interrupted or inter-
14 mittent ignition device;

15 “(iii) have jacket losses not exceeding
16 0.75 percent of the input rating; and

17 “(iv) have power venting or a flue
18 damper.

19 “(B) Oil-fired units shall have—

20 “(i) a minimum thermal efficiency of
21 81 percent;

22 “(ii) jacket losses not exceeding 0.75
23 percent of the input rating; and

24 “(iii) power venting or a flue damp-
25 er.”.

1 **SEC. 20.21. SERVICE OVER THE COUNTER, SELF-CON-**
2 **TAINED, MEDIUM TEMPERATURE COMMER-**
3 **CIAL REFRIGERATORS.**

4 Section 342(c) of the Energy Policy and Conservation
5 Act (42 U.S.C. 6313(c)) is amended—

6 (1) in paragraph (1)—

7 (A) by redesignating subparagraph (C) as
8 subparagraph (E); and

9 (B) by inserting after subparagraph (B)
10 the following:

11 “(C) The term ‘service over the counter,
12 self-contained, medium temperature commercial
13 refrigerator’ or ‘(SOC–SC–M)’ means a me-
14 dium temperature commercial refrigerator—

15 “(i) with a self-contained condensing
16 unit and equipped with sliding or hinged
17 doors in the back intended for use by sales
18 personnel, and with glass or other trans-
19 parent material in the front for displaying
20 merchandise; and

21 “(ii) that has a height not greater
22 than 66 inches and is intended to serve as
23 a counter for transactions between sales
24 personnel and customers.

1 “(D) The term ‘TDA’ means the total dis-
2 play area (ft²) of the refrigerated case, as de-
3 fined in AHRI Standard 1200.”;

4 (2) by redesignating paragraphs (4) and (5) as
5 paragraphs (5) and (6), respectively; and

6 (3) by inserting after paragraph (3) the fol-
7 lowing:

8 “(4) Each SOC–SC–M manufactured on or
9 after January 1, 2012, shall have a total daily en-
10 ergy consumption (in kilowatt hours per day) of not
11 more than $0.6 \times \text{TDA} + 1.0$.”.

12 **SEC. ~~21.22~~. MOTOR MARKET ASSESSMENT AND COMMER-**
13 **CIAL AWARENESS PROGRAM.**

14 (a) FINDINGS.—Congress finds that—

15 (1) electric motor systems account for about
16 half of the electricity used in the United States;

17 (2) electric motor energy use is determined by
18 both the efficiency of the motor and the system in
19 which the motor operates;

20 (3) Federal Government research on motor end
21 use and efficiency opportunities is more than a dec-
22 ade old; and

23 (4) the Census Bureau has discontinued collec-
24 tion of data on motor and generator importation,
25 manufacture, shipment, and sales.

1 (b) DEFINITIONS.—In this section:

2 (1) DEPARTMENT.—The term “Department”
3 means the Department of Energy.

4 (2) INTERESTED PARTIES.—The term “inter-
5 ested parties” includes—

6 (A) trade associations;

7 (B) motor manufacturers;

8 (C) motor end users;

9 (D) electric utilities; and

10 (E) individuals and entities that conduct
11 energy efficiency programs.

12 (3) SECRETARY.—The term “Secretary” means
13 the Secretary of Energy, in consultation with inter-
14 ested parties.

15 (c) ASSESSMENT.—The Secretary shall conduct an
16 assessment of electric motors and the electric motor mar-
17 ket in the United States that shall—

18 (1) include important subsectors of the indus-
19 trial and commercial electric motor market (as de-
20 termined by the Secretary), including—

21 (A) the stock of motors and motor-driven
22 equipment;

23 (B) efficiency categories of the motor pop-
24 ulation; and

1 (C) motor systems that use drives, servos,
2 and other control technologies;

3 (2) characterize and estimate the opportunities
4 for improvement in the energy efficiency of motor
5 systems by market segment, including opportunities
6 for—

7 (A) expanded use of drives, servos, and
8 other control technologies;

9 (B) expanded use of process control,
10 pumps, compressors, fans or blowers, and mate-
11 rial handling components; and

12 (C) substitution of existing motor designs
13 with existing and future advanced motor de-
14 signs, including electronically commutated per-
15 manent magnet, interior permanent magnet,
16 and switched reluctance motors; and

17 (3) develop an updated profile of motor system
18 purchase and maintenance practices, including sur-
19 veying the number of companies that have motor
20 purchase and repair specifications, by company size,
21 number of employees, and sales.

22 (d) RECOMMENDATIONS; UPDATE.—Based on the as-
23 sessment conducted under subsection (c), the Secretary
24 shall—

25 (1) develop—

1 (A) recommendations to update the de-
2 tailed motor profile on a periodic basis;

3 (B) methods to estimate the energy sav-
4 ings and market penetration that is attributable
5 to the Save Energy Now Program of the De-
6 partment; and

7 (C) recommendations for the Director of
8 the Census Bureau on market surveys that
9 should be undertaken in support of the motor
10 system activities of the Department; and

11 (2) prepare an update to the Motor Master+
12 program of the Department.

13 (e) PROGRAM.—Based on the assessment, rec-
14 ommendations, and update required under subsections (c)
15 and (d), the Secretary shall establish a proactive, national
16 program targeted at motor end-users and delivered in co-
17 operation with interested parties to increase awareness
18 of—

19 (1) the energy and cost-saving opportunities in
20 commercial and industrial facilities using higher effi-
21 ciency electric motors;

22 (2) improvements in motor system procurement
23 and management procedures in the selection of high-
24 er efficiency electric motors and motor-system com-

1 ponents, including drives, controls, and driven equip-
2 ment; and

3 (3) criteria for making decisions for new, re-
4 placement, or repair motor and motor system com-
5 ponents.

6 **SEC. 22.23. STUDY OF COMPLIANCE WITH ENERGY STAND-**
7 **ARDS FOR APPLIANCES.**

8 (a) IN GENERAL.—The Secretary of Energy shall
9 conduct a study of the degree of compliance with energy
10 standards for appliances, including an investigation of
11 compliance rates and options for improving compliance,
12 including enforcement.

13 (b) REPORT.—Not later than 18 months after the
14 date of enactment of this Act, the Secretary of Energy
15 shall submit to the appropriate committees of Congress
16 a report describing the results of the study, including any
17 recommendations.

18 **SEC. 23.24. STUDY OF DIRECT CURRENT ELECTRICITY SUP-**
19 **PLY IN CERTAIN BUILDINGS.**

20 (a) IN GENERAL.—The Secretary of Energy shall
21 conduct a study—

22 (1) of the costs and benefits (including signifi-
23 cant energy efficiency, power quality, and other
24 power grid, safety, and environmental benefits) of

1 requiring high-quality, direct current electricity sup-
2 ply in buildings; and

3 (2) to determine, if the requirement described
4 in paragraph (1) is imposed, what the policy and
5 role of the Federal Government should be in real-
6 izing those benefits.

7 (b) REPORT.—Not later than 1 year after the date
8 of enactment of this Act, the Secretary shall submit to
9 the appropriate committees of Congress a report describ-
10 ing the results of the study, including any recommenda-
11 tions.

12 **SEC. 24.25. TECHNICAL CORRECTIONS.**

13 (a) TITLE III OF ENERGY INDEPENDENCE AND SE-
14 CURITY ACT OF 2007—ENERGY SAVINGS THROUGH IM-
15 PROVED STANDARDS FOR APPLIANCES AND LIGHTING.—

16 (1) Section 325(u) of the Energy Policy and
17 Conservation Act (42 U.S.C. 6295(u)) (as amended
18 by section 301(c) of the Energy Independence and
19 Security Act of 2007 (121 Stat. 1550)) is amend-
20 ed—

21 (A) by redesignating paragraph (7) as
22 paragraph (4); and

23 (B) in paragraph (4) (as so redesignated),
24 by striking “supplies is” and inserting “supply
25 is”.

1 (2) Section 302(b) of the Energy Independence
2 and Security Act of 2007 (121 Stat. 1551) is
3 amended by striking “6313(a)” and inserting
4 “6314(a)”.

5 (3) Section 342(a)(6) of the Energy Policy and
6 Conservation Act (42 U.S.C. 6313(a)(6)) (as amend-
7 ed by section 305(b)(2) of the Energy Independence
8 and Security Act of 2007 (121 Stat. 1554)) is
9 amended—

10 (A) in subparagraph (B)—

11 (i) by striking “If the Secretary” and
12 inserting the following:

13 “(i) IN GENERAL.—If the Secretary”;

14 (ii) by striking “clause (ii)(II)” and
15 inserting “subparagraph (A)(ii)(II)”;

16 (iii) by striking “clause (i)” and in-
17 serting “subparagraph (A)(i)”;

18 (iv) by adding at the end the fol-
19 lowing:

20 “(ii) FACTORS.—In determining
21 whether a standard is economically justi-
22 fied for the purposes of subparagraph
23 (A)(ii)(II), the Secretary shall, after receiv-
24 ing views and comments furnished with re-
25 spect to the proposed standard, determine

1 whether the benefits of the standard ex-
2 ceed the burden of the proposed standard
3 by, to the maximum extent practicable,
4 considering—

5 “(I) the economic impact of the
6 standard on the manufacturers and
7 on the consumers of the products sub-
8 ject to the standard;

9 “(II) the savings in operating
10 costs throughout the estimated aver-
11 age life of the product in the type (or
12 class) compared to any increase in the
13 price of, or in the initial charges for,
14 or maintenance expenses of, the prod-
15 ucts that are likely to result from the
16 imposition of the standard;

17 “(III) the total projected quan-
18 tity of energy savings likely to result
19 directly from the imposition of the
20 standard;

21 “(IV) any lessening of the utility
22 or the performance of the products
23 likely to result from the imposition of
24 the standard;

1 “(V) the impact of any lessening
2 of competition, as determined in writ-
3 ing by the Attorney General, that is
4 likely to result from the imposition of
5 the standard;

6 “(VI) the need for national en-
7 ergy conservation; and

8 “(VII) other factors the Sec-
9 retary considers relevant.

10 “(iii) ADMINISTRATION.—

11 “(I) ENERGY USE AND EFFI-
12 CIENCY.—The Secretary may not pre-
13 scribe any amended standard under
14 this paragraph that increases the
15 maximum allowable energy use, or de-
16 creases the minimum required energy
17 efficiency, of a covered product.

18 “(II) UNAVAILABILITY.—

19 “(aa) IN GENERAL.—The
20 Secretary may not prescribe an
21 amended standard under this
22 subparagraph if the Secretary
23 finds (and publishes the finding)
24 that interested persons have es-
25 tablished by a preponderance of

1 the evidence that a standard is
2 likely to result in the unavail-
3 ability in the United States in
4 any product type (or class) of
5 performance characteristics (in-
6 cluding reliability, features, sizes,
7 capacities, and volumes) that are
8 substantially the same as those
9 generally available in the United
10 States at the time of the finding
11 of the Secretary.

12 “(bb) OTHER TYPES OR
13 CLASSES.—The failure of some
14 types (or classes) to meet the cri-
15 terion established under this sub-
16 clause shall not affect the deter-
17 mination of the Secretary on
18 whether to prescribe a standard
19 for the other types or classes.”;
20 and

21 (B) in subparagraph (C)(iv), by striking
22 “An amendment prescribed under this sub-
23 section” and inserting “Notwithstanding sub-
24 paragraph (D), an amendment prescribed under
25 this subparagraph”.

1 (4) Section 342(a)(6)(B)(iii) of the Energy Pol-
2 icy and Conservation Act (as added by section
3 306(c) of the Energy Independence and Security Act
4 of 2007 (121 Stat. 1559)) is transferred and reded-
5 esignated as clause (vi) of section 342(a)(6)(C) of the
6 Energy Policy and Conservation Act (as amended by
7 section 305(b)(2) of the Energy Independence and
8 Security Act of 2007 (121 Stat. 1554)).

9 (5) Section 345 of the Energy Policy and Con-
10 servation Act (42 U.S.C. 6316) (as amended by sec-
11 tion 312(e) of the Energy Independence and Secu-
12 rity Act of 2007 (121 Stat. 1567)) is amended—

13 (A) by striking “subparagraphs (B)
14 through (G)” each place it appears and insert-
15 ing “subparagraphs (B), (C), (D), (I), (J), and
16 (K)”;

17 (B) by striking “part A” each place it ap-
18 pears and inserting “part B”; and

19 (C) in subsection (a)—

20 (i) in paragraph (8), by striking
21 “and” at the end;

22 (ii) in paragraph (9), by striking the
23 period at the end and inserting “; and”;
24 and

1 (iii) by adding at the end the fol-
2 lowing:

3 “(10) section 327 shall apply with respect to
4 the equipment described in section 340(1)(L) begin-
5 ning on the date on which a final rule establishing
6 an energy conservation standard is issued by the
7 Secretary, except that any State or local standard
8 prescribed or enacted for the equipment before the
9 date on which the final rule is issued shall not be
10 preempted until the energy conservation standard
11 established by the Secretary for the equipment takes
12 effect.”; and

13 (D) in subsection (h)(3), by striking “sec-
14 tion 342(f)(3)” and inserting “section
15 342(f)(4)”.

16 (6) Section 340(13) of the Energy Policy and
17 Conservation Act (42 U.S.C. 6311(13)) (as amended
18 by section 313(a) of the Energy Independence and
19 Security Act of 2007 (121 Stat. 1568)) is amend-
20 ed—

21 (A) by striking subparagraphs (A) and (B)
22 and inserting the following:

23 “(A) IN GENERAL.—The term ‘electric
24 motor’ means any of the following:

1 “(i) A motor that is a general purpose
2 T-frame, single-speed, foot-mounting, poly-
3 phase squirrel-cage induction motor of the
4 National Electrical Manufacturers Associa-
5 tion, Design A and B, continuous rated,
6 operating on 230/460 volts and constant
7 60 Hertz line power as defined in NEMA
8 Standards Publication MG1–1987.

9 “(ii) A motor incorporating the design
10 elements described in clause (i), but is con-
11 figured to incorporate 1 or more of the fol-
12 lowing variations:

13 “(I) U-frame motor.

14 “(II) NEMA Design C motor.

15 “(III) Close-coupled pump motor.

16 “(IV) Footless motor.

17 “(V) Vertical solid shaft normal
18 thrust motor (as tested in a horizontal
19 configuration).

20 “(VI) 8-pole motor.

21 “(VII) Poly-phase motor with a
22 voltage rating of not more than 600
23 volts (other than 230 volts or 460
24 volts, or both, or can be operated on
25 230 volts or 460 volts, or both).”; and

1 (B) by redesignating subparagraphs (C)
2 through (I) as subparagraphs (B) through (H),
3 respectively.

4 (7)(A) Section 342(b) of the Energy Policy and
5 Conservation Act (42 U.S.C. 6313(b)) is amended—

6 (i) in paragraph (1), by striking “para-
7 graph (2)” and inserting “paragraph (3)”;

8 (ii) by redesignating paragraphs (2) and
9 (3) as paragraphs (3) and (4);

10 (iii) by inserting after paragraph (1) the
11 following:

12 “(2) STANDARDS EFFECTIVE BEGINNING DE-
13 CEMBER 19, 2010.—

14 “(A) IN GENERAL.—Except for definite
15 purpose motors, special purpose motors, and
16 those motors exempted by the Secretary under
17 paragraph (3) and except as provided for in
18 subparagraphs (B), (C), and (D), each electric
19 motor manufactured with power ratings from 1
20 to 200 horsepower (alone or as a component of
21 another piece of equipment) on or after Decem-
22 ber 19, 2010, shall have a nominal full load ef-
23 ficiency of not less than the nominal full load
24 efficiency described in NEMA MG-1 (2006)
25 Table 12-12.

1 “(B) FIRE PUMP ELECTRIC MOTORS.—Ex-
2 cept for those motors exempted by the Sec-
3 retary under paragraph (3), each fire pump
4 electric motor manufactured with power ratings
5 from 1 to 200 horsepower (alone or as a compo-
6 nent of another piece of equipment) on or after
7 December 19, 2010, shall have a nominal full
8 load efficiency that is not less than the nominal
9 full load efficiency described in NEMA MG-1
10 (2006) Table 12-11.

11 “(C) NEMA DESIGN B ELECTRIC MO-
12 TORS.—Except for those motors exempted by
13 the Secretary under paragraph (3), each
14 NEMA Design B electric motor with power rat-
15 ings of more than 200 horsepower, but not
16 greater than 500 horsepower, manufactured
17 (alone or as a component of another piece of
18 equipment) on or after December 19, 2010,
19 shall have a nominal full load efficiency of not
20 less than the nominal full load efficiency de-
21 scribed in NEMA MG-1 (2006) Table 12-11.

22 “(D) MOTORS INCORPORATING CERTAIN
23 DESIGN ELEMENTS.—Except for those motors
24 exempted by the Secretary under paragraph
25 (3), each electric motor described in section

1 340(13)(A)(ii) manufactured with power rat-
2 ings from 1 to 200 horsepower (alone or as a
3 component of another piece of equipment) on or
4 after December 19, 2010, shall have a nominal
5 full load efficiency of not less than the nominal
6 full load efficiency described in NEMA MG-1
7 (2006) Table 12-11.”; and

8 (iv) in paragraph (3) (as redesignated by
9 clause (ii)), by striking “paragraph (1)” each
10 place it appears in subparagraphs (A) and (D)
11 and inserting “paragraphs (1) and (2)”.

12 (B) Section 313 of the Energy Independence
13 and Security Act of 2007 (121 Stat. 1568) is re-
14 pealed.

15 (C) The amendments made by—

16 (i) subparagraph (A) take effect on De-
17 cember 19, 2010; and

18 (ii) subparagraph (B) take effect on De-
19 cember 19, 2007.

20 (8) Section 321(30)(D)(i)(III) of the Energy
21 Policy and Conservation Act (42 U.S.C.
22 6291(30)(D)(i)(III)) (as amended by section
23 321(a)(1)(A) of the Energy Independence and Secu-
24 rity Act of 2007 (121 Stat. 1574)) is amended by
25 inserting before the semicolon the following: “or, in

1 the case of a modified spectrum lamp, not less than
 2 232 lumens and not more than 1,950 lumens”.

3 (9) Section 321(30)(T) of the Energy Policy
 4 and Conservation Act (42 U.S.C. 6291(30)(T)) (as
 5 amended by section 321(a)(1)(B) of the Energy
 6 Independence and Security Act of 2007 (121 Stat.
 7 1574)) is amended—

8 (A) in clause (i)—

9 (i) by striking the comma after
 10 “household appliance” and inserting
 11 “and”; and

12 (ii) by striking “and is sold at retail,”;
 13 and

14 (B) in clause (ii), by inserting “when sold
 15 at retail,” before “is designated”.

16 (10) Section 325(i) of the Energy Policy and
 17 Conservation Act (42 U.S.C. 6295(i)) (as amended
 18 by sections 321(a)(3)(A) and 322(b) of the Energy
 19 Independence and Security Act of 2007 (121 Stat.
 20 1577, 1588)) is amended by striking the subsection
 21 designation and all that follows through the end of
 22 paragraph (8) and inserting the following:

23 “(i) GENERAL SERVICE FLUORESCENT LAMPS, GEN-
 24 ERAL SERVICE INCANDESCENT LAMPS, INTERMEDIATE
 25 BASE INCANDESCENT LAMPS, CANDELABRA BASE INCAN-

1 DESCENT LAMPS, AND INCANDESCENT REFLECTOR
 2 LAMPS.—

3 “(1) ENERGY EFFICIENCY STANDARDS.—

4 “(A) IN GENERAL.—Each of the following
 5 general service fluorescent lamps, general serv-
 6 ice incandescent lamps, intermediate base in-
 7 candescent lamps, candelabra base incandescent
 8 lamps, and incandescent reflector lamps manu-
 9 factured after the effective date specified in the
 10 tables listed in this subparagraph shall meet or
 11 exceed the standards established in the fol-
 12 lowing tables:

“FLUORESCENT LAMPS

Lamp Type	Nominal Lamp Wattage	Minimum CRI	Minimum Average Lamp Efficacy (LPW)	Effective Date (Period of Months)
4-foot medium bi-pin	>35 W	69	75.0	36
.....	≤35 W	45	75.0	36
2-foot U-shaped	>35 W	69	68.0	36
.....	≤35 W	45	64.0	36
8-foot slimline	>65 W	69	80.0	18
.....	≤65 W	45	80.0	18
8-foot high output	>100 W	69	80.0	18
.....	≤100 W	45	80.0	18.

“INCANDESCENT REFLECTOR LAMPS

Nominal Lamp Wattage	Minimum Average Lamp Efficacy (LPW)	Effective Date (Period of Months)
40–50	10.5	36
51–66	11.0	36
67–85	12.5	36
86–115	14.0	36
116–155	14.5	36
156–205	15.0	36.

“GENERAL SERVICE INCANDESCENT LAMPS

Rated Lumen Ranges	Maximum Rated Wattage	Minimum Rated Life-time	Effective Date
1490–2600	72	1,000 hrs	1/1/2012
1050–1489	53	1,000 hrs	1/1/2013
750–1049	43	1,000 hrs	1/1/2014
310–749	29	1,000 hrs	1/1/2014.

“MODIFIED SPECTRUM GENERAL SERVICE INCANDESCENT LAMPS

Rated Lumen Ranges	Maximum Rated Wattage	Minimum Rated Life-time	Effective Date
1118–1950	72	1,000 hrs	1/1/2012
788–1117	53	1,000 hrs	1/1/2013
563–787	43	1,000 hrs	1/1/2014
232–562	29	1,000 hrs	1/1/2014.

1 “(B) APPLICATION.—

2 “(i) APPLICATION CRITERIA.—This
3 subparagraph applies to each lamp that—

4 “(I) is intended for a general
5 service or general illumination applica-
6 tion (whether incandescent or not);

7 “(II) has a medium screw base
8 or any other screw base not defined in
9 ANSI C81.61–2006;

10 “(III) is capable of being oper-
11 ated at a voltage at least partially
12 within the range of 110 to 130 volts;
13 and

14 “(IV) is manufactured or im-
15 ported after December 31, 2011.

1 “(ii) REQUIREMENT.—For purposes
2 of this paragraph, each lamp described in
3 clause (i) shall have a color rendering
4 index that is greater than or equal to—

5 “(I) 80 for nonmodified spectrum
6 lamps; or

7 “(II) 75 for modified spectrum
8 lamps.

9 “(C) CANDELABRA INCANDESCENT LAMPS
10 AND INTERMEDIATE BASE INCANDESCENT
11 LAMPS.—

12 “(i) CANDELABRA BASE INCANDES-
13 CENT LAMPS.—Effective beginning Janu-
14 ary 1, 2012, a candelabra base incandes-
15 cent lamp shall not exceed 60 rated watts.

16 “(ii) INTERMEDIATE BASE INCANDES-
17 CENT LAMPS.—Effective beginning Janu-
18 ary 1, 2012, an intermediate base incan-
19 descent lamp shall not exceed 40 rated
20 watts.

21 “(D) EXEMPTIONS.—

22 “(i) STATUTORY EXEMPTIONS.—The
23 standards specified in subparagraph (A)
24 shall not apply to the following types of in-
25 candescent reflector lamps:

1 “(I) Lamps rated at 50 watts or
2 less that are ER30, BR30, BR40, or
3 ER40 lamps.

4 “(II) Lamps rated at 65 watts
5 that are BR30, BR40, or ER40
6 lamps.

7 “(III) R20 incandescent reflector
8 lamps rated 45 watts or less.

9 “(ii) ADMINISTRATIVE EXEMP-
10 TIONS.—

11 “(I) PETITION.—Any person may
12 petition the Secretary for an exemp-
13 tion for a type of general service lamp
14 from the requirements of this sub-
15 section.

16 “(II) CRITERIA.—The Secretary
17 may grant an exemption under sub-
18 clause (I) only to the extent that the
19 Secretary finds, after a hearing and
20 opportunity for public comment, that
21 it is not technically feasible to serve a
22 specialized lighting application (such
23 as a military, medical, public safety,
24 or certified historic lighting applica-

1 tion) using a lamp that meets the re-
2 quirements of this subsection.

3 “(III) ADDITIONAL CRITERION.—

4 To grant an exemption for a product
5 under this clause, the Secretary shall
6 include, as an additional criterion,
7 that the exempted product is unlikely
8 to be used in a general service lighting
9 application.

10 “(E) EXTENSION OF COVERAGE.—

11 “(i) PETITION.—Any person may peti-
12 tion the Secretary to establish standards
13 for lamp shapes or bases that are excluded
14 from the definition of general service
15 lamps.

16 “(ii) INCREASED SALES OF EXEMPT-
17 ED LAMPS.—The petition shall include evi-
18 dence that the availability or sales of ex-
19 empted incandescent lamps have increased
20 significantly since the date on which the
21 standards on general service incandescent
22 lamps were established.

23 “(iii) CRITERIA.—The Secretary shall
24 grant a petition under clause (i) if the Sec-
25 retary finds that—

1 “(I) the petition presents evi-
2 dence that demonstrates that commer-
3 cial availability or sales of exempted
4 incandescent lamp types have in-
5 creased significantly since the stand-
6 ards on general service lamps were es-
7 tablished and likely are being widely
8 used in general lighting applications;
9 and

10 “(II) significant energy savings
11 could be achieved by covering exempt-
12 ed products, as determined by the
13 Secretary based in part on sales data
14 provided to the Secretary from manu-
15 facturers and importers.

16 “(iv) NO PRESUMPTION.—The grant
17 of a petition under this subparagraph shall
18 create no presumption with respect to the
19 determination of the Secretary with respect
20 to any criteria under a rulemaking con-
21 ducted under this section.

22 “(v) EXPEDITED PROCEEDING.—If
23 the Secretary grants a petition for a lamp
24 shape or base under this subparagraph,
25 the Secretary shall—

1 “(I) conduct a rulemaking to de-
2 termine standards for the exempted
3 lamp shape or base; and

4 “(II) complete the rulemaking
5 not later than 18 months after the
6 date on which notice is provided
7 granting the petition.

8 “(F) EFFECTIVE DATES.—

9 “(i) IN GENERAL.—In this paragraph,
10 except as otherwise provided in a table
11 contained in subparagraph (A) or in clause
12 (ii), the term ‘effective date’ means the last
13 day of the period of months specified in
14 the table after October 24, 1992.

15 “(ii) SPECIAL EFFECTIVE DATES.—

16 “(I) ER, BR, AND BPAR
17 LAMPS.—The standards specified in
18 subparagraph (A) shall apply with re-
19 spect to ER incandescent reflector
20 lamps, BR incandescent reflector
21 lamps, BPAR incandescent reflector
22 lamps, and similar bulb shapes on and
23 after January 1, 2008, or the date
24 that is 180 days after the date of en-

1 actment of the Energy Independence
2 and Security Act of 2007.

3 “(II) LAMPS BETWEEN 2.25–2.75
4 INCHES IN DIAMETER.—The stand-
5 ards specified in subparagraph (A)
6 shall apply with respect to incandes-
7 cent reflector lamps with a diameter
8 of more than 2.25 inches, but not
9 more than 2.75 inches, on and after
10 the later of January 1, 2008, or the
11 date that is 180 days after the date of
12 enactment of the Energy Independ-
13 ence and Security Act of 2007.

14 “(2) COMPLIANCE WITH EXISTING LAW.—Not-
15 withstanding section 332(a)(5) and section 332(b),
16 it shall not be unlawful for a manufacturer to sell
17 a lamp that is in compliance with the law at the
18 time the lamp was manufactured.

19 “(3) RULEMAKING BEFORE OCTOBER 24,
20 1995.—

21 “(A) IN GENERAL.—Not later than 36
22 months after October 24, 1992, the Secretary
23 shall initiate a rulemaking procedure and shall
24 publish a final rule not later than the end of
25 the 54-month period beginning on October 24,

1 1992, to determine whether the standards es-
2 tablished under paragraph (1) should be
3 amended.

4 “(B) ADMINISTRATION.—The rule shall
5 contain the amendment, if any, and provide
6 that the amendment shall apply to products
7 manufactured on or after the 36-month period
8 beginning on the date on which the final rule is
9 published.

10 “(4) RULEMAKING BEFORE OCTOBER 24,
11 2000.—

12 “(A) IN GENERAL.—Not later than 8 years
13 after October 24, 1992, the Secretary shall ini-
14 tiate a rulemaking procedure and shall publish
15 a final rule not later than 9 years and 6 months
16 after October 24, 1992, to determine whether
17 the standards in effect for fluorescent lamps
18 and incandescent lamps should be amended.

19 “(B) ADMINISTRATION.—The rule shall
20 contain the amendment, if any, and provide
21 that the amendment shall apply to products
22 manufactured on or after the 36-month period
23 beginning on the date on which the final rule is
24 published.

1 “(5) RULEMAKING FOR ADDITIONAL GENERAL
2 SERVICE FLUORESCENT LAMPS.—

3 “(A) IN GENERAL.—Not later than the
4 end of the 24-month period beginning on the
5 date labeling requirements under section
6 324(a)(2)(C) become effective, the Secretary
7 shall—

8 “(i) initiate a rulemaking procedure to
9 determine whether the standards in effect
10 for fluorescent lamps and incandescent
11 lamps should be amended so that the
12 standards would be applicable to additional
13 general service fluorescent lamps; and

14 “(ii) publish, not later than 18
15 months after initiating the rulemaking, a
16 final rule including the amended stand-
17 ards, if any.

18 “(B) ADMINISTRATION.—The rule shall
19 provide that the amendment shall apply to
20 products manufactured after a date which is 36
21 months after the date on which the rule is pub-
22 lished.

23 “(6) STANDARDS FOR GENERAL SERVICE
24 LAMPS.—

1 “(A) RULEMAKING BEFORE JANUARY 1,
2 2014.—

3 “(i) IN GENERAL.—Not later than
4 January 1, 2014, the Secretary shall ini-
5 tiate a rulemaking procedure to determine
6 whether—

7 “(I) standards in effect for gen-
8 eral service lamps should be amended;
9 and

10 “(II) the exclusions for certain
11 incandescent lamps should be main-
12 tained or discontinued based, in part,
13 on excluded lamp sales collected by
14 the Secretary from manufacturers.

15 “(ii) SCOPE.—The rulemaking—

16 “(I) shall not be limited to incan-
17 descent lamp technologies; and

18 “(II) shall include consideration
19 of a minimum standard of 45 lumens
20 per watt for general service lamps.

21 “(iii) AMENDED STANDARDS.—If the
22 Secretary determines that the standards in
23 effect for general service lamps should be
24 amended, the Secretary shall publish a
25 final rule not later than January 1, 2017,

1 with an effective date that is not earlier
2 than 3 years after the date on which the
3 final rule is published.

4 “(iv) PHASED-IN EFFECTIVE
5 DATES.—The Secretary shall consider
6 phased-in effective dates under this sub-
7 paragraph after considering—

8 “(I) the impact of any amend-
9 ment on manufacturers, retiring and
10 repurposing existing equipment,
11 stranded investments, labor contracts,
12 workers, and raw materials; and

13 “(II) the time needed to work
14 with retailers and lighting designers
15 to revise sales and marketing strate-
16 gies.

17 “(v) BACKSTOP REQUIREMENT.—If
18 the Secretary fails to complete a rule-
19 making in accordance with clauses (i)
20 through (iv) or if the final rule does not
21 produce savings that are greater than or
22 equal to the savings from a minimum effi-
23 cacy standard of 45 lumens per watt, effec-
24 tive beginning January 1, 2020, the Sec-
25 retary shall prohibit the manufacture of

1 any general service lamp that does not
2 meet a minimum efficacy standard of 45
3 lumens per watt.

4 “(vi) STATE PREEMPTION.—Neither
5 section 327 nor any other provision of law
6 shall preclude California or Nevada from
7 adopting, effective beginning on or after
8 January 1, 2018—

9 “(I) a final rule adopted by the
10 Secretary in accordance with clauses
11 (i) through (iv);

12 “(II) if a final rule described in
13 subclause (I) has not been adopted,
14 the backstop requirement under
15 clause (v); or

16 “(III) in the case of California, if
17 a final rule described in subclause (I)
18 has not been adopted, any California
19 regulations relating to these covered
20 products adopted pursuant to State
21 statute in effect on the date of enact-
22 ment of the Energy Independence and
23 Security Act of 2007.

24 “(B) RULEMAKING BEFORE JANUARY 1,

25 2020.—

1 “(i) IN GENERAL.—Not later than
2 January 1, 2020, the Secretary shall ini-
3 tiate a rulemaking procedure to determine
4 whether—

5 “(I) standards in effect for gen-
6 eral service lamps should be amended;
7 and

8 “(II) the exclusions for certain
9 incandescent lamps should be main-
10 tained or discontinued based, in part,
11 on excluded lamp sales data collected
12 by the Secretary from manufacturers.

13 “(ii) SCOPE.—The rulemaking shall
14 not be limited to incandescent lamp tech-
15 nologies.

16 “(iii) AMENDED STANDARDS.—If the
17 Secretary determines that the standards in
18 effect for general service lamps should be
19 amended, the Secretary shall publish a
20 final rule not later than January 1, 2022,
21 with an effective date that is not earlier
22 than 3 years after the date on which the
23 final rule is published.

24 “(iv) PHASED-IN EFFECTIVE
25 DATES.—The Secretary shall consider

1 phased-in effective dates under this sub-
2 paragraph after considering—

3 “(I) the impact of any amend-
4 ment on manufacturers, retiring and
5 repurposing existing equipment,
6 stranded investments, labor contracts,
7 workers, and raw materials; and

8 “(II) the time needed to work
9 with retailers and lighting designers
10 to revise sales and marketing strate-
11 gies.

12 “(7) FEDERAL ACTIONS.—

13 “(A) COMMENTS OF SECRETARY.—

14 “(i) IN GENERAL.—With respect to
15 any lamp to which standards are applicable
16 under this subsection or any lamp specified
17 in section 346, the Secretary shall inform
18 any Federal entity proposing actions that
19 would adversely impact the energy con-
20 sumption or energy efficiency of the lamp
21 of the energy conservation consequences of
22 the action.

23 “(ii) CONSIDERATION.—The Federal
24 entity shall carefully consider the com-
25 ments of the Secretary.

1 “(B) AMENDMENT OF STANDARDS.—Not-
2 withstanding section 325(n)(1), the Secretary
3 shall not be prohibited from amending any
4 standard, by rule, to permit increased energy
5 use or to decrease the minimum required en-
6 ergy efficiency of any lamp to which standards
7 are applicable under this subsection if the ac-
8 tion is warranted as a result of other Federal
9 action (including restrictions on materials or
10 processes) that would have the effect of either
11 increasing the energy use or decreasing the en-
12 ergy efficiency of the product.

13 “(8) COMPLIANCE.—

14 “(A) IN GENERAL.—Not later than the
15 date on which standards established pursuant
16 to this subsection become effective, or, with re-
17 spect to high-intensity discharge lamps covered
18 under section 346, the effective date of stand-
19 ards established pursuant to that section, each
20 manufacturer of a product to which the stand-
21 ards are applicable shall file with the Secretary
22 a laboratory report certifying compliance with
23 the applicable standard for each lamp type.

24 “(B) CONTENTS.—The report shall include
25 the lumen output and wattage consumption for

1 each lamp type as an average of measurements
2 taken over the preceding 12-month period.

3 “(C) OTHER LAMP TYPES.—With respect
4 to lamp types that are not manufactured during
5 the 12-month period preceding the date on
6 which the standards become effective, the re-
7 port shall—

8 “(i) be filed with the Secretary not
9 later than the date that is 12 months after
10 the date on which manufacturing is com-
11 menced; and

12 “(ii) include the lumen output and
13 wattage consumption for each such lamp
14 type as an average of measurements taken
15 during the 12-month period.”.

16 (11) Section 325(l)(4)(A) of the Energy Policy
17 and Conservation Act (42 U.S.C. 6295(l)(4)(A)) (as
18 amended by section 321(a)(3)(B) of the Energy
19 Independence and Security Act of 2007 (121 Stat.
20 1581)) is amended by striking “only”.

21 (12) Section 327(b)(1)(B) of the Energy Policy
22 and Conservation Act (42 U.S.C. 6297(b)(1)(B)) (as
23 amended by section 321(d)(3) of the Energy Inde-
24 pendence and Security Act of 2007 (121 Stat.
25 1585)) is amended—

1 (A) in clause (i), by inserting “and” after
2 the semicolon at the end;

3 (B) in clause (ii), by striking “; and” and
4 inserting a period; and

5 (C) by striking clause (iii).

6 (13) Section 321(30)(C)(ii) of the Energy Pol-
7 icy and Conservation Act (42 U.S.C.
8 6291(30)(C)(ii)) (as amended by section
9 322(a)(1)(B) of the Energy Independence and Secu-
10 rity Act of 2007 (121 Stat. 1587)) is amended by
11 inserting a period after “40 watts or higher”.

12 (14) Section 322(b) of the Energy Independ-
13 ence and Security Act of 2007 (121 Stat. 1588) is
14 amended by striking “6995(i)” and inserting
15 “6295(i)”.

16 (15) Section 327(c) of the Energy Policy and
17 Conservation Act (42 U.S.C. 6297(c)) (as amended
18 by sections 324(f) of the Energy Independence and
19 Security Act of 2007 (121 Stat. 1594) and section
20 6(e)(2)) is amended—

21 (A) in paragraph (6), by striking “or”
22 after the semicolon at the end;

23 (B) in paragraph (9)(B), by striking “or”
24 at the end;

1 (C) in paragraph (10), by striking the pe-
2 riod at the end and inserting a semicolon;

3 (D) by adding at the end the following:

4 “(11) is a regulation for general service lamps
5 that conforms with Federal standards and effective
6 dates; or

7 “(12) is an energy efficiency standard for gen-
8 eral service lamps enacted into law by the State of
9 Nevada prior to December 19, 2007, if the State has
10 not adopted the Federal standards and effective
11 dates pursuant to subsection (b)(1)(B)(ii).”.

12 (16) Section 325(b) of the Energy Independ-
13 ence and Security Act of 2007 (121 Stat. 1596) is
14 amended by striking “6924(c)” and inserting
15 “6294(c)”.

16 (17) This subsection and the amendments made
17 by this subsection take effect as if included in the
18 Energy Independence and Security Act of 2007
19 (Public Law 110–140; 121 Stat. 1492).

20 (b) ENERGY POLICY ACT OF 2005.—

21 (1) Section 325(g)(8)(C)(ii) of the Energy Pol-
22 icy and Conservation Act (42 U.S.C.
23 6295(g)(8)(C)(ii)) (as added by section 135(c)(2)(B)
24 of the Energy Policy Act of 2005) is amended by
25 striking “20°F” and inserting “–20°F”.

1 (2) This subsection and the amendment made
2 by this subsection take effect as if included in the
3 Energy Policy Act of 2005 (Public Law 109–58; 119
4 Stat. 594).

5 (c) ENERGY POLICY AND CONSERVATION ACT.—

6 (1) Section 340(2)(B) of the Energy Policy and
7 Conservation Act (42 U.S.C. 6311(2)(B)) is amend-
8 ed—

9 (A) in clause (xi), by striking “and” at the
10 end;

11 (B) in clause (xii), by striking the period
12 at the end and inserting “; and”; and

13 (C) by adding at the end the following:

14 “(xiii) other motors.”.

15 (2) Section 343(a) of the Energy Policy and
16 Conservation Act (42 U.S.C. 6314(a)) is amended
17 by striking “Air-Conditioning and Refrigeration In-
18 stitute” each place it appears in paragraphs (4)(A)
19 and (7) and inserting “Air-Conditioning, Heating,
20 and Refrigeration Institute”.

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112TH CONGRESS
1ST Session

S. 398

[Report No. 112-18]

A BILL

To amend the Energy Policy and Conservation Act to improve the energy-efficiency of certain appliances and equipment, and for other purposes.

MAY 18, 2011

Reported with amendments