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**SUBSTITUTE HOUSE BILL 1100**

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**State of Washington**

**64th Legislature**

**2015 Regular Session**

**By** House Technology & Economic Development (originally sponsored by Representatives Morris, S. Hunt, Hudgins, Ormsby, and Fey)

READ FIRST TIME 02/03/15.

1 AN ACT Relating to creating new appliance efficiency standards;  
2 amending RCW 19.260.030, 19.260.040, and 19.260.050; reenacting and  
3 amending RCW 19.260.020; and creating a new section.

4 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WASHINGTON:

5 **Sec. 1.** RCW 19.260.020 and 2009 c 565 s 18 and 2009 c 501 s 1  
6 are each reenacted and amended to read as follows:

7 The definitions in this section apply throughout this chapter  
8 unless the context clearly requires otherwise.

9 (1) "Automatic commercial ice cube machine" means a factory-made  
10 assembly, not necessarily shipped in one package, consisting of a  
11 condensing unit and ice-making section operating as an integrated  
12 unit with means for making and harvesting ice cubes. It may also  
13 include integrated components for storing or dispensing ice, or both.

14 (2) "Bottle-type water dispenser" means a water dispenser that  
15 uses a bottle or reservoir as the source of potable water.

16 (3) "Commercial hot food holding cabinet" means a heated, fully  
17 enclosed compartment, with one or more solid or partial glass doors,  
18 that is designed to maintain the temperature of hot food that has  
19 been cooked in a separate appliance. "Commercial hot food holding  
20 cabinet" does not include heated glass merchandising cabinets, drawer  
21 warmers, or cook and hold appliances.

1 (4)(a) "Commercial refrigerators and freezers" means  
2 refrigerators, freezers, or refrigerator-freezers designed for use by  
3 commercial or institutional facilities for the purpose of storing or  
4 merchandising food products, beverages, or ice at specified  
5 temperatures that: (i) Incorporate most components involved in the  
6 vapor-compression cycle and the refrigerated compartment in a single  
7 cabinet; and (ii) may be configured with either solid or transparent  
8 doors as a reach-in cabinet, pass-through cabinet, roll-in cabinet,  
9 or roll-through cabinet.

10 (b) "Commercial refrigerators and freezers" does not include: (i)  
11 Products with 85 cubic feet or more of internal volume; (ii) walk-in  
12 refrigerators or freezers; (iii) consumer products that are federally  
13 regulated pursuant to 42 U.S.C. Sec. 6291 et seq.; (iv) products  
14 without doors; or (v) freezers specifically designed for ice cream.

15 (5) "Compensation" means money or any other valuable thing,  
16 regardless of form, received or to be received by a person for  
17 services rendered.

18 (6) "Cook and hold appliance" means a multiple mode appliance  
19 intended for cooking food that may be used to hold the temperature of  
20 the food that has been cooked in the same appliance.

21 (7) "Department" means the department of commerce.

22 (8) "Drawer warmer" means an appliance that consists of one or  
23 more heated drawers and that is designed to hold hot food that has  
24 been cooked in a separate appliance at a specified temperature.

25 (9) "Heated glass merchandising cabinet" means an appliance with  
26 a heated cabinet constructed of glass or clear plastic doors which,  
27 with seventy percent or more clear area, is designed to display and  
28 maintain the temperature of hot food that has been cooked in a  
29 separate appliance.

30 (10) "Hot water dispenser" means a small electric water heater  
31 that has a measured storage volume of no greater than one gallon.

32 (11) "Mini-tank electric water heater" means a small electric  
33 water heater that has a measured storage volume of more than one  
34 gallon and a rated storage volume of less than twenty gallons.

35 (12) "Pass-through cabinet" means a commercial refrigerator or  
36 freezer with hinged or sliding doors on both the front and rear of  
37 the unit.

38 (13) "Point-of-use water dispenser" means a water dispenser that  
39 uses a pressurized water utility connection as the source of potable  
40 water.

1 (14) "Pool heater" means an appliance designed for heating  
2 nonpotable water contained at atmospheric pressure for swimming  
3 pools, spas, hot tubs, and similar applications.

4 (15) "Portable electric spa" means a factory-built electric spa  
5 or hot tub, supplied with equipment for heating and circulating  
6 water.

7 (16) "Reach-in cabinet" means a commercial refrigerator or  
8 freezer with hinged or sliding doors or lids, but does not include  
9 roll-in or roll-through cabinets or pass-through cabinets.

10 (17) "Residential pool pump" means a pump used to circulate and  
11 filter pool water in order to maintain clarity and sanitation.

12 (18)(a) "Roll-in cabinet" means a commercial refrigerator or  
13 freezer with hinged or sliding doors that allow wheeled racks of  
14 product to be rolled into the unit.

15 (b) "Roll-through cabinet" means a commercial refrigerator or  
16 freezer with hinged or sliding doors on two sides of the cabinet that  
17 allow wheeled racks of product to be rolled through the unit.

18 (19) "Showerhead" means a device through which water is  
19 discharged for a shower bath.

20 (20) "Showerhead tub spout diverter combination" means a group of  
21 plumbing fittings sold as a matched set and consisting of a control  
22 valve, a tub spout diverter, and a showerhead.

23 (21) "State-regulated incandescent reflector lamp" means a lamp  
24 that is not colored or designed for rough or vibration service  
25 applications, has an inner reflective coating on the outer bulb to  
26 direct the light, an E26 medium screw base, a rated voltage or  
27 voltage range that lies at least partially within 115 to 130 volts,  
28 and falls into one of the following categories:

29 (a) A bulged reflector or elliptical reflector bulb shape and  
30 which has a diameter which equals or exceeds 2.25 inches; or

31 (b) A reflector, parabolic aluminized reflector, or similar bulb  
32 shape and which has a diameter of 2.25 to 2.75 inches.

33 (22) "Tub spout diverter" means a device designed to stop the  
34 flow of water into a bathtub and to divert it so that the water  
35 discharges through a showerhead.

36 (23) "Wine chillers designed and sold for use by an individual"  
37 means refrigerators designed and sold for the cooling and storage of  
38 wine by an individual.

1 (24) "À la carte charger" means a battery charger that is  
2 individually packaged without batteries. "À la carte charger"  
3 includes those with multivoltage or multiport capabilities.

4 (25) "Battery analyzer" means a device:

5 (a) Used to analyze and report a battery's performance and  
6 overall condition;

7 (b) Capable of being programmed and performing service functions  
8 to restore capability in deficient batteries; and

9 (c) Not intended or marketed to be used on a daily basis for the  
10 purpose of charging batteries.

11 (26) "Battery backup" or "uninterruptible power supply charger"  
12 means a small battery charger system that is voltage and frequency  
13 dependent and designed to provide power to an end-use product in the  
14 event of a power outage, and includes an uninterruptible power supply  
15 charger as defined in IEC 62040-3 ed.2.0 (March 2011). The output of  
16 the voltage and frequency dependent uninterruptible power supply  
17 charger is dependent on changes in AC input voltage and frequency and  
18 is not intended to provide additional corrective functions, such as  
19 those relating to the use of tapped transformers.

20 (27) "Battery charger systems" means a battery charger coupled  
21 with its batteries or battery chargers coupled with their batteries,  
22 which together are referred to as battery charger systems. This term  
23 covers all rechargeable batteries or devices incorporating a  
24 rechargeable battery and the chargers used with them. The charging  
25 circuitry of battery charger systems may or may not be located within  
26 the housing of the end-use device itself. In many cases, the battery  
27 may be charged with a dedicated external charger and power supply  
28 combination that is separate from the device that runs on power from  
29 the battery. Battery charger systems include, but are not limited to:

30 (a) Electronic devices with a battery that are normally charged  
31 with AC line voltage or DC input voltage through an internal or  
32 external power supply and a dedicated battery charger;

33 (b) The battery and battery charger components of devices that  
34 are designed to run on battery power during part or all of their  
35 operations;

36 (c) Dedicated battery systems primarily designed for electrical  
37 or emergency backup; and

38 (d) Devices whose primary function is to charge batteries, along  
39 with the batteries they are designed to charge. These units include  
40 chargers for power tool batteries and chargers for automotive, AA,

1 AAA, C, D, or 9 V rechargeable batteries, as well as chargers for  
2 batteries used in larger industrial motive equipment and à la carte  
3 chargers.

4 (28) "Consumer product" means any article that when operated  
5 consumes energy including articles that to any significant extent are  
6 distributed in commerce for personal use or consumption by  
7 individuals. "Consumer product" does not include an automobile as  
8 defined in 49 U.S.C. Sec. 32901(a)(3).

9 (29) "High light output double-ended quartz halogen lamp" means a  
10 lamp that:

11 (a) Is designed for general outdoor lighting purposes;

12 (b) Contains a tungsten filament;

13 (c) Has a rated initial lumen value of greater than 6,000 and  
14 less than 40,000 lumens;

15 (d) Has at each end a recessed single contact, R7s base;

16 (e) Has a maximum overall length between four and eleven inches;

17 (f) Has a nominal diameter less than 3/4 inch;

18 (g) Is designed to be operated at a voltage not less than 110  
19 volts and not greater than 200 volts or is designed to be operated at  
20 a voltage between 235 volts and 300 volts;

21 (h) Is not a tubular quartz infrared heat lamp; and

22 (i) Is not a lamp marked and marketed as a stage and studio lamp  
23 with a rated life of 500 hours or less.

24 (30) "Illuminated exit sign" means:

25 (a) A sign that is designed to be permanently fixed in place to  
26 identify an exit, including those products that are a combination  
27 illuminated exit sign and emergency egress lighting; and

28 (b) A sign that: (i) Consists of an electrically powered integral  
29 light source that illuminates the legend "EXIT" and any directional  
30 indicators; and (ii) provides contrast between the legend, any  
31 directional indicators, and the background.

32 (31) "Large battery charger system" means a battery charger  
33 system, other than a battery charger system for golf carts, with a  
34 rated input power of more than two kilowatts.

35 (32) "Small battery charger system" means a battery charger  
36 system with a rated input power of two kilowatts or less, and  
37 includes golf cart battery charger systems regardless of the output  
38 power.

39 (33) "Small diameter directional lamp" means a directional light  
40 emitting diode replacement lamp that is less than or equal to 2.25

1 inches in diameter, that can operate satisfactorily at 120 volts or  
2 12 volts, and that has an ANSI MR16 or MRX16 lamp shape with an ANSI  
3 GU-5.3 bi-pin or GU-10 lamp base, or has an ANSI PAR16, R16, or R14  
4 lamp shape with a medium screw-base.

5 (34) "State-regulated light emitting diode lamp" or "LED lamp"  
6 means any LED lamp that:

7 (a) Produces light within 7 MacAdam steps of the black-body  
8 curve;

9 (b) Has an E12, E17, E26, or GU-24 socket; or

10 (c) Is an integrated LED lamp that includes trims and is designed  
11 to be retrofitted within existing recessed can housings that contain  
12 one of the preceding socket types.

13 (35) "HVAC air filter" means an air-cleaning device used to  
14 remove particulate matter from the air and installed in forced-air  
15 heating or cooling equipment for a space conditioning or ventilation  
16 system.

17 **Sec. 2.** RCW 19.260.030 and 2009 c 501 s 2 are each amended to  
18 read as follows:

19 (1) This chapter applies to the following types of new products  
20 sold, offered for sale, or installed in the state:

21 (a) Automatic commercial ice cube machines;

22 (b) Commercial refrigerators and freezers;

23 (c) State-regulated incandescent reflector lamps;

24 (d) Wine chillers designed and sold for use by an individual;

25 (e) Hot water dispensers and mini-tank electric water heaters;

26 (f) Bottle-type water dispensers and point-of-use water  
27 dispensers;

28 (g) Pool heaters, residential pool pumps, and portable electric  
29 spas;

30 (h) Tub spout diverters; (~~and~~)

31 (i) Commercial hot food holding cabinets;

32 (j) High light output double-ended quartz halogen lamps;

33 (k) Battery charger systems, except those:

34 (i) Used to charge a motor vehicle that is powered by an electric  
35 motor drawing current from rechargeable storage batteries, fuel  
36 cells, or other portable sources of electrical current, and which may  
37 include a nonelectrical source of power designed to charge batteries  
38 and components thereof. This exception does not apply to autoettes or  
39 electric personal assistive mobility devices, golf carts, and low-

1 speed vehicles, as those vehicles are defined in division 1 of the  
2 California Vehicle Code in effect as of the effective date of this  
3 section;

4 (ii) That are classified as class II or class III devices for  
5 human use under the federal food, drug, and cosmetic act as of the  
6 effective date of this section and require United States food and  
7 drug administration listing and approval as a medical device;

8 (iii) Used to charge a battery or batteries in an illuminated  
9 exit sign;

10 (iv) With input that is three phase of line-to-line three hundred  
11 volts root mean square or more and is designed for a stationary power  
12 application;

13 (v) That are battery analyzers; or

14 (vi) That are voltage independent or voltage and frequency  
15 independent uninterruptible power supplies as defined by the  
16 international electrotechnical commission 62040-3 ed.2.0 as of the  
17 effective date of this section;

18 (l) Small diameter directional lamps;

19 (m) State-regulated LED lamps; and

20 (n) HVAC air filters.

21 (2) This chapter applies equally to products whether they are  
22 sold, offered for sale, or installed as stand-alone products or as  
23 components of other products.

24 (3) This chapter does not apply to:

25 (a) New products manufactured in the state and sold outside the  
26 state;

27 (b) New products manufactured outside the state and sold at  
28 wholesale inside the state for final retail sale and installation  
29 outside the state;

30 (c) Products installed in mobile manufactured homes at the time  
31 of construction; or

32 (d) Products designed expressly for installation and use in  
33 recreational vehicles.

34 **Sec. 3.** RCW 19.260.040 and 2009 c 501 s 3 are each amended to  
35 read as follows:

36 The minimum efficiency standards specified in this section apply  
37 to the types of new products set forth in RCW 19.260.030.

(1)(a) Automatic commercial ice cube machines must have daily energy use and daily water use no greater than the applicable values in the following table:

Equipment type	Type of cooling	Harvest rate (lbs. ice/24 hrs.)	Maximum energy use (kWh/100 lbs.)	Maximum condenser water use (gallons/100 lbs. ice)
Ice-making head	water	<500	7.80 - .0055H	200 - .022H
		>=500<1436	5.58 - .0011H	200 - .022H
		>=1436	4.0	200 - .022H
Ice-making head	air	450	10.26 - .0086H	Not applicable
		>=450	6.89 - .0011H	Not applicable
Remote condensing but not remote compressor	air	<1000	8.85 - .0038	Not applicable
		>=1000	5.10	Not applicable
Remote condensing and remote compressor	air	<934	8.85 - .0038H	Not applicable
		>=934	5.3	Not applicable
Self-contained models	water	<200	11.40 - .0190H	191 - .0315H
		>=200	7.60	191 - .0315H
Self-contained models	air	<175	18.0 - .0469H	Not applicable
		>=175	9.80	Not applicable

Where H= harvest rate in pounds per twenty-four hours which must be reported within 5% of the tested value. "Maximum water use" applies only to water used for the condenser.

(b) For purposes of this section, automatic commercial ice cube machines shall be tested in accordance with the ARI 810-2003 test method as published by the air-conditioning and refrigeration institute. Ice-making heads include all automatic commercial ice cube machines that are not split system ice makers or self-contained models as defined in ARI 810-2003.

(2)(a) Commercial refrigerators and freezers must meet the applicable requirements listed in the following table:

Equipment Type	Doors	Maximum Daily Energy Consumption (kWh)
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1	Reach-in cabinets, pass-through cabinets, and roll-in or roll-through cabinets that are refrigerators	Solid	0.10V+ 2.04
3		Transparent	0.12V+ 3.34
4	Reach-in cabinets, pass-through cabinets, and roll-in or roll-through cabinets that are "pulldown" refrigerators	Transparent	.126V+ 3.51
7		Solid	0.40V+ 1.38
8	Reach-in cabinets, pass-through cabinets, and roll-in or roll-through cabinets that are freezers	Transparent	0.75V+ 4.10
10		Solid	0.27AV - 0.71
11	Reach-in cabinets that are refrigerator-freezers with an AV of 5.19 or higher		

12 kWh= kilowatt-hours

13 V= total volume (ft<sup>3</sup>)

14 AV= adjusted volume= [1.63 x freezer volume (ft<sup>3</sup>)]+ refrigerator volume (ft<sup>3</sup>)

15 (b) For purposes of this section, "pulldown" designates products  
 16 designed to take a fully stocked refrigerator with beverages at 90  
 17 degrees Fahrenheit and cool those beverages to a stable temperature  
 18 of 38 degrees Fahrenheit within 12 hours or less. Daily energy  
 19 consumption shall be measured in accordance with the American  
 20 national standards institute/American society of heating,  
 21 refrigerating and air-conditioning engineers test method 117-2002,  
 22 except that the back-loading doors of pass-through and roll-through  
 23 refrigerators and freezers must remain closed throughout the test,  
 24 and except that the controls of all appliances must be adjusted to  
 25 obtain the following product temperatures.

26	Product or compartment type	Integrated average product temperature in degrees Fahrenheit
27	Refrigerator	38± 2
28	Freezer	0± 2

29 (3)(a) The lamp electrical power input of state-regulated  
 30 incandescent reflector lamps shall meet the minimum average lamp  
 31 efficacy requirements for federally regulated incandescent reflector  
 32 lamps specified in 42 U.S.C. Sec. 6295(i)(1)(A)-(B).

33 (b) The following types of incandescent lamps are exempt from  
 34 these requirements:

1 (i) Lamps rated at fifty watts or less of the following types: BR  
2 30, ER 30, BR 40, and ER 40;  
3 (ii) Lamps rated at sixty-five watts of the following types: BR  
4 30, BR 40, and ER 40; and  
5 (iii) R 20 lamps of forty-five watts or less.  
6 (4)(a) Wine chillers designed and sold for use by an individual  
7 must meet requirements specified in the California Code of  
8 Regulations, Title 20, section 1605.3 in effect as of July 26, 2009.  
9 (b) Wine chillers designed and sold for use by an individual  
10 shall be tested in accordance with the method specified in the  
11 California Code of Regulations, Title 20, section 1604 in effect as  
12 of July 26, 2009.  
13 (5)(a) The standby energy consumption of bottle-type water  
14 dispensers, and point-of-use water dispensers, dispensing both hot  
15 and cold water, manufactured on or after January 1, 2010, shall not  
16 exceed 1.2 kWh/day.  
17 (b) The test method for water dispensers shall be the  
18 environmental protection agency energy star program requirements for  
19 bottled water coolers version 1.1.  
20 (6)(a) The standby energy consumption of hot water dispensers and  
21 mini-tank electric water heaters manufactured on or after January 1,  
22 2010, shall be not greater than 35 watts.  
23 (b) This subsection does not apply to any water heater:  
24 (i) That is within the scope of 42 U.S.C. Sec. 6292(a)(4) or  
25 6311(1);  
26 (ii) That has a rated storage volume of less than 20 gallons; and  
27 (iii) For which there is no federal test method applicable to  
28 that type of water heater.  
29 (c) Hot water dispensers shall be tested in accordance with the  
30 method specified in the California Code of Regulations, Title 20,  
31 section 1604 in effect as of July 26, 2009.  
32 (d) Mini-tank electric water heaters shall be tested in  
33 accordance with the method specified in the California Code of  
34 Regulations, Title 20, section 1604 in effect as of July 26, 2009.  
35 (7) The following standards are established for pool heaters,  
36 residential pool pumps, and portable electric spas:  
37 (a) Natural gas pool heaters shall not be equipped with constant  
38 burning pilots.

1 (b) Residential pool pump motors manufactured on or after January  
2 1, 2010, must meet requirements specified in the California Code of  
3 Regulations, Title 20, section 1605.3 in effect as of July 26, 2009.

4 (c) Portable electric spas manufactured on or after January 1,  
5 2010, must meet requirements specified in the California Code of  
6 Regulations, Title 20, section 1605.3 in effect as of July 26, 2009.

7 (d) Portable electric spas must be tested in accordance with the  
8 method specified in the California Code of Regulations, Title 20,  
9 section 1604 in effect as of July 26, 2009.

10 (8)(a) The leakage rate of tub spout diverters shall be no  
11 greater than the applicable requirements shown in the following  
12 table:

Appliance	Testing Conditions	Maximum Leakage Rate
		Effective January 1, 2009
	When new	0.01 gpm
Tub spout diverters	After 15,000 cycles of diverting	0.05 gpm

17 (b) Showerhead tub spout diverter combinations shall meet both  
18 the federal standard for showerheads established pursuant to 42  
19 U.S.C. Sec. 6291 et seq. and the standard for tub spout diverters  
20 specified in this section.

21 (9)(a) The idle energy rate of commercial hot food holding  
22 cabinets manufactured on or after January 1, 2010, shall be no  
23 greater than 40 watts per cubic foot of measured interior volume.

24 (b) The idle energy rate of commercial hot food holding cabinets  
25 shall be determined using ANSI/ASTM F2140-01 standard test method for  
26 the performance of hot food holding cabinets (test for idle energy  
27 rate dry test). Commercial hot food holding cabinet interior volume  
28 shall be calculated using straight line segments following the gross  
29 interior dimensions of the appliance and using the following  
30 equation: Interior height x interior width x interior depth. Interior  
31 volume shall not account for racks, air plenums, or other interior  
32 parts.

33 (10) The following standards are established for battery charger  
34 systems:

35 (a) Large battery charger systems and small battery charger  
36 systems manufactured on or after January 1, 2017, must meet  
37 requirements specified in the California Code of Regulations, Title  
38 20, section 1605 in effect as of the effective date of this section.

1 (b) Battery backup and uninterruptible power supplies that are  
2 not consumer products manufactured on or after January 1, 2017, must  
3 meet requirements specified in the California Code of Regulations,  
4 Title 20, section 1605 in effect as of the effective date of this  
5 section.

6 (c) Large battery charger systems and small battery charger  
7 systems must be tested in accordance with the method specified in the  
8 California Code of Regulations, Title 20, section 1604 in effect as  
9 of the effective date of this section.

10 (11) Upon determination by the department that the standards meet  
11 the criteria for recommendation under RCW 19.260.060, a high light  
12 output double-ended quartz halogen lamp must meet minimum efficiency  
13 standards of:

14 (a) 27 lumens per watt for lamps with a minimum rated initial  
15 lumen value greater than 6,000 and a maximum initial lumen value of  
16 15,000; and

17 (b) 34 lumens per watt for lamps with a rated initial lumen value  
18 greater than 15,000 and less than 40,000.

19 (12) A small diameter directional lamp must meet minimum  
20 efficiency standards of 60 lumens per watt, a color rendering index  
21 of 80 or greater, a power factor of 0.7 or greater, and a minimum  
22 rated life index of 10,000 hours, if manufactured on or after January  
23 1, 2017.

24 (13)(a) Effective January 1, 2018, state-regulated LED lamps must  
25 be tested in accordance with the method specified in IES LM-79-08 as  
26 published by the illuminating engineering society of North America  
27 and must meet the minimum efficiency standards of 60 lumens per watt  
28 and a color rendering index of 80 or greater.

29 (b) State-regulated LED lamps that have an ANSI standard lamp  
30 shape of A, C, CA, or G must meet the respective omnidirectional  
31 light distribution requirements of energy star's product  
32 specification for lamps version 1.1.

33 (14) HVAC air filters must be tested in accordance with the  
34 methods specified as follows:

<u>Appliance</u>	<u>Appliance performance criteria</u>	<u>Test method</u>
<u>HVAC air filters</u>	<u>Air filter pressure drop</u>	<u>AHRI 680-2009</u>
	<u>Air filter particle size efficiency and</u> <u>MERV</u>	<u>AHRI 680-2009 or ASHRAE</u> <u>52.2-2012</u>

(a) "AHRI" means the air-conditioning, heating, and refrigeration institute.

(b) "ASHRAE" means the American society of heating, refrigerating and air conditioning engineers.

(c) "MERV" means minimum efficiency reporting value, or the composite particle efficiency metric defined in ASHRAE 52.2-2012.

**Sec. 4.** RCW 19.260.050 and 2009 c 501 s 4 are each amended to read as follows:

(1) No new commercial refrigerator or freezer or state-regulated incandescent reflector lamp manufactured on or after January 1, 2007, may be sold or offered for sale in the state unless the efficiency of the new product meets or exceeds the efficiency standards set forth in RCW 19.260.040. No new automatic commercial ice cube machine manufactured on or after January 1, 2008, may be sold or offered for sale in the state unless the efficiency of the new product meets or exceeds the efficiency standards set forth in RCW 19.260.040.

(2) On or after January 1, 2008, no new commercial refrigerator or freezer or state-regulated incandescent reflector lamp manufactured on or after January 1, 2007, may be installed for compensation in the state unless the efficiency of the new product meets or exceeds the efficiency standards set forth in RCW 19.260.040. On or after January 1, 2009, no new automatic commercial ice cube machine manufactured on or after January 1, 2008, may be installed for compensation in the state unless the efficiency of the new product meets or exceeds the efficiency standards set forth in RCW 19.260.040.

(3) Standards for state-regulated incandescent reflector lamps are effective on the dates specified in subsections (1) and (2) of this section.

(4) The following products, if manufactured on or after January 1, 2010, may not be sold or offered in the state unless the efficiency of the new product meets or exceeds the efficiency standards set forth in RCW 19.260.040:

- (a) Wine chillers designed and sold for use by an individual;
- (b) Hot water dispensers and mini-tank electric water heaters;

1 (c) Bottle-type water dispensers and point-of-use water  
2 dispensers;

3 (d) Pool heaters, residential pool pumps, and portable electric  
4 spas;

5 (e) Tub spout diverters; and

6 (f) Commercial hot food holding cabinets.

7 (5) The following products, if manufactured on or after January  
8 1, 2010, may not be installed for compensation in the state on or  
9 after January 1, 2011, unless the efficiency of the new product meets  
10 or exceeds the efficiency standards set forth in RCW 19.260.040:

11 (a) Wine chillers designed and sold for use by an individual;

12 (b) Hot water dispensers and mini-tank electric water heaters;

13 (c) Bottle-type water dispensers and point-of-use water  
14 dispensers;

15 (d) Pool heaters, residential pool pumps, and portable electric  
16 spas;

17 (e) Tub spout diverters; and

18 (f) Commercial hot food holding cabinets.

19 (6)(a) Large and small battery charger systems, if manufactured  
20 on or after January 1, 2017, may not be sold or offered for sale in  
21 the state unless the efficiency of the new product meets or exceeds  
22 the efficiency standards set forth in RCW 19.260.040.

23 (b) Battery backup and uninterruptible power supplies that are  
24 not consumer products, if manufactured on or after January 1, 2017,  
25 may not be sold or offered for sale in the state unless the  
26 efficiency of the new product meets or exceeds the efficiency  
27 standards set forth in RCW 19.260.040.

28 (7) Large and small battery charger systems, if manufactured on  
29 or after January 1, 2017, may not be installed for compensation in  
30 the state on or after January 1, 2018, unless the efficiency of the  
31 new product meets or exceeds the efficiency standards set forth in  
32 RCW 19.260.040.

33 NEW SECTION. Sec. 5. (1) By January 1, 2017, the department of  
34 commerce must determine whether the minimum efficiency standards for  
35 a high light output double-ended quartz halogen lamp under RCW  
36 19.260.050 meet the criteria for recommendation by the department of  
37 commerce under RCW 19.260.060. The department of commerce must submit  
38 its determination electronically to the appropriate committees of the  
39 legislature by January 31, 2017.

1           (2) In the event that the department of commerce affirms that the  
2 minimum efficiency standards for a high light output double-ended  
3 quartz halogen lamp meet the criteria for recommendation, the  
4 standards will go into effect ninety days after submission of the  
5 determination to the legislature.

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