SB 692-A6 (LC 2186) 5/6/13 (DLT/ps)

PROPOSED AMENDMENTS TO A-ENGROSSED SENATE BILL 692

1 On <u>page 1</u> of the printed A-engrossed bill, delete lines 5 through 28 and 2 delete <u>pages 2 through 30</u> and insert:

"DEFINITIONS

6 "SECTION 1. ORS 469.229 is amended to read:

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"469.229. As used in ORS 469.229 to 469.261, unless the context clearly
requires otherwise:

9 "(1) 'À la carte charger' means a battery charger that is individ-10 ually packaged without batteries, including a multiport charger or a 11 charger with multi-voltage capability.

"[(1)] (2) 'Automatic commercial ice cube machine' means a factory-made assembly, not necessarily shipped in one package, consisting of a condensing unit and ice-making section operating as an integrated unit with means for making and harvesting ice cubes, and any integrated components for storing or dispensing ice.

17 "[(2)] (3) 'Ballast' means a device used with an electric discharge lamp 18 to obtain necessary circuit conditions for starting and operating the lamp.

"(4) 'Battery' or 'battery pack' means an assembly of one or more
 rechargeable cells intended to provide electrical energy to a product,
 in one of the following forms:

²² "(a) A detachable battery that is contained in an enclosure separate

from the product and that is intended to be removed or disconnected
 from the product for charging; or

"(b) An integral battery that is contained within the product and
is not removed from the product for charging.

5 **"(5) 'Battery analyzer' means a device:**

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

6 "(b) Capable of being programmed and performing service functions
9 to restore capability in deficient batteries; and

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

"(6) 'Battery backup' or 'uninterruptible power supply charger 12(UPS)' means a small battery charger system that is voltage and fre-13 quency dependent (VFD) and designed to provide power to an end-use 14 product in the event of a power outage, including a UPS as defined in 15 International Electrotechnical Commission (IEC) publication 62040-3 16 (March 2011 edition), where the output of the VFD UPS is dependent 17 on changes in AC input voltage and frequency and is not intended to 18 provide additional corrective functions, such as those relating to the 19 use of tapped transformers. 20

"(7)(a) 'Battery charger system' means a battery charger coupled
 with its batteries, including:

"(A) Electronic devices with a battery that are normally charged
 from AC line voltage or DC input voltage through an internal or ex ternal power supply and a dedicated battery charger;

"(B) The battery and battery charger components of devices that
 are designed to run on battery power during part or all of their oper ations;

"(C) Dedicated battery systems primarily designed for electrical or
 emergency backup; and

1 "(D) Devices whose primary function is to charge batteries, along 2 with the batteries the devices are designed to charge, including 3 chargers for power tool batteries and chargers for automotive, AA, 4 AAA, C, D, or nine-volt rechargeable batteries and chargers for bat-5 teries used in larger industrial motive equipment and à la carte 6 chargers.

"(b) 'Battery charger system' does not mean a battery charger:

8 "(A) Used to charge a motor vehicle that is powered by an electric 9 motor drawing current from rechargeable storage batteries, fuel cells 10 or other portable sources of electrical current, including a nonelec-11 trical source of power designed to charge batteries and components 12 thereof, except for battery chargers for forklifts, electric personal 13 assistive mobility devices or low-speed vehicles;

"(B) That is classified as a Class II or Class III device for human
use under the Federal Food, Drug, and Cosmetic Act, as in effect on
the effective date of this 2013 Act, and that requires listing and approval as a medical device;

"(C) Used to charge a battery or batteries in an illuminated exit
 sign, including those products that are a combination illuminated exit
 sign and emergency egress lighting;

"(D) With input that is three phases of line-to-line 300 volts root
mean square or more and is designed for a stationary power application;

24 "(E) That is a battery analyzer; or

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"(F) That is a voltage independent or voltage and frequency inde pendent uninterruptible power supply as defined in International
 Electrotechnical Commission (IEC) publication 62040-3 (March 2011
 edition).

"(c) The charging circuitry of battery charger systems may or may
 not be located within the housing of the end-use device. In many

cases, the battery may be charged with a dedicated external charger
and power supply combination that is separate from the device that
runs on power from the battery.

4 "(8) 'Battery maintenance mode' means the mode of operation when
5 the battery charger system is connected to the main electricity supply
6 and the battery is fully charged and connected to the charger.

"[(3)] (9) 'Bottle-type water dispenser' means a water dispenser that uses
a bottle or reservoir as the source of potable water.

9 "(10) 'Charge return factor' means the number of ampere-hours
10 returned to the battery during the charge cycle divided by the number
11 of ampere-hours delivered by the battery during discharge.

"(11) 'Combination television' means a system in which a television
 or television monitor and an additional device or devices, including a
 video cassette recorder, are combined into a single unit in which the
 additional device or devices are included in the television casing.

"[(4)] (12) 'Commercial clothes washer' means a soft mount horizontal-axis
 or vertical-axis clothes washer that:

"(a) Has a clothes compartment no greater than 3.5 cubic feet in the case
of a horizontal-axis product or no greater than 4 cubic feet in the case of a
vertical-axis product; and

21 "(b) Is designed for use by more than one household.

"[(5)(a)] (13)(a) 'Commercial hot food holding cabinet' means an appliance that is a heated, fully-enclosed compartment with one or more solid doors and is designed to maintain the temperature of hot food that has been cooked in a separate appliance.

"(b) 'Commercial hot food holding cabinet' does not include heated glass
 merchandising cabinets, drawer warmers or cook-and-hold appliances.

²⁸ "[(6)] (14) 'Commercial prerinse spray valve' means a handheld device ²⁹ designed and marketed for use with commercial dishwashing equipment and ³⁰ that sprays water on dishes, flatware and other food service items for the 1 purpose of removing food residue prior to their cleaning.

"[(7)] (15) 'Commercial refrigerators or freezers' means refrigerators, $\mathbf{2}$ freezers or refrigerator-freezers, smaller than 85 cubic feet of internal volume 3 and designed for use by commercial or institutional facilities for the purpose 4 of storing or merchandising food products, beverages or ice at specified $\mathbf{5}$ temperatures, other than products without doors, walk-in refrigerators or 6 freezers, consumer products that are federally regulated pursuant to 42 7 U.S.C. 6291 et seq. or freezers specifically designed for ice cream. 'Commer-8 cial refrigerators or freezers': 9

"(a) Must incorporate most components involved in the vapor-compression
 cycle and the refrigerated compartment in a single cabinet; and

"(b) May be configured with either solid or transparent doors as a
reach-in cabinet, pass-through cabinet, roll-in cabinet or roll-through cabinet.
"[(8)(a)] (16)(a) 'Compact audio product,' also known as a mini, mid, micro
or shelf audio system, means an integrated audio system encased in a single
housing that includes an amplifier and radio tuner and attached or separable
speakers that can reproduce audio from one or more of the following media:

18 "(A) Magnetic tape;

19 "(B) Compact disc;

20 "(C) DVD; or

21 "(D) Flash memory.

"(b) 'Compact audio product' does not include products that can be independently powered by internal batteries, have a powered external satellite
antenna or can provide a video output signal.

²⁵ "[(9)] (17) 'Compensation' means money or any other valuable thing, re-²⁶ gardless of form, received or to be received by a person for services rendered.

"(18) 'Component television' means a television composed of two or
more separate components, including separate display device and
tuner, marketed as a television under one model or system designation
and having one or more power cords.

"(19) 'Computer monitor' means an analog or digital device that is
designed primarily for the display of computer-generated signals and
that is not marketed for use as a television.

"[(10)] (20) 'Digital versatile disc' or 'DVD' means a laser-encoded plastic
medium capable of storing a large amount of digital audio, video and computer data.

"[(11)(a)] (21)(a) 'Digital versatile disc player' or 'digital versatile disc recorder' means a commercially available electronic product encased in a single housing that includes an integral power supply and for which the sole purpose is, respectively, the decoding and the production or recording of digitized video signal on a DVD.

"(b) 'Digital versatile disc recorder' does not include models that have an electronic programming guide function that provides an interactive, onscreen menu of television listings and downloads program information from the vertical blanking interval of a regular television signal.

"(22) 'Electronic programming guide' means an application that
 provides an interactive, on-screen menu of television listings that
 downloads program information from the vertical blanking interval
 of a regular television signal.

"[(12)] (23) 'High-intensity discharge lamp' means a lamp in which light is produced by the passage of an electric current through a vapor or gas, and in which the light-producing arc is stabilized by bulb wall temperature and the arc tube has a bulb wall loading in excess of three watts per square centimeter.

²⁵ "[(13)] (24) 'Illuminated exit sign' means an internally illuminated sign that is designed to be permanently fixed in place to identify a building exit, that consists of an electrically powered integral light source that illuminates the legend 'EXIT' and any directional indicators and that provides contrast between the legend, any directional indicators and the background.

30 "(25) 'Inductive charger system' means a small battery charger

system that transfers power to the charger through magnetic or electric induction.

"(26)(a) 'Large battery charger system' means a battery charger
system with a rated input power of more than two kilowatts.

5 "(b) 'Large battery charger system' does not mean a battery
6 charger system for golf carts.

"[(14)] (27) 'Metal halide lamp' means a high-intensity discharge lamp in
which the major portion of the light is produced by radiation of metal
halides and their products of dissociation, possibly in combination with metallic vapors.

"[(15)] (28) 'Metal halide lamp fixture' means a light fixture designed to be operated with a metal halide lamp and a ballast for a metal halide lamp. "(29) 'Multiport charger' means a battery charger that is capable of simultaneously charging two or more batteries and that may have multivoltage capability, allowing two or more batteries of different voltages to charge simultaneously.

"(30) 'No battery mode' means the mode of operation in which a
battery charger is connected to the main electricity supply and the
battery is not connected to the charger.

20 "[(16)] (31) 'Pass-through cabinet' means a commercial refrigerator or 21 freezer with hinged or sliding doors on both the front and rear of the unit.

"[(17)] (32) 'Portable electric spa' means a factory-built electric spa or hot
tub supplied with equipment for heating and circulating water.

"(33) 'Power conversion efficiency' means the instantaneous DC
 output power of the battery charger system divided by the simultane ous utility AC input power.

"[(18)] (34) 'Probe-start metal halide lamp ballast' means a ballast used to operate metal halide lamps that does not contain an igniter and that instead starts metal halide lamps by using a third starting electrode probe in the arc tube. "[(19)] (35) 'Reach-in cabinet' means a commercial refrigerator or freezer with hinged or sliding doors or lids, other than roll-in or roll-through cabinets or pass-through cabinets.

"[(20)] (36) 'Roll-in cabinet' means a commercial refrigerator or freezer
with hinged or sliding doors that allow wheeled racks to be rolled into the
unit.

"[(21)] (37) 'Roll-through cabinet' means a commercial refrigerator or
freezer with hinged or sliding doors on two sides of the cabinet that allow
wheeled racks to be rolled through the unit.

10 "(38) 'Selected input mode' means the input port selected that the 11 television uses as a source to produce a visible or audible output and 12 that is required for televisions with multiple possible inputs, including 13 coaxial, composite, S-Video, HDMI and component connectors.

"[(22)(a)] (39)(a) 'Single-voltage external AC to DC power supply' means a device, other than a product with batteries or battery packs that physically attach directly to the power supply unit, a product with a battery chemistry or type selector switch and indicator light or a product with a battery chemistry or type selector switch and a state of charge meter, that:

"(A) Is designed to convert line voltage alternating current input into
 lower voltage direct current output;

"(B) Is able to convert to only one direct current output voltage at a time;
"(C) Is sold with, or intended to be used with, a separate end-use product
that constitutes the primary power load;

"(D) Is contained within a separate physical enclosure from the end-useproduct;

"(E) Is connected to the end-use product via a removable or hard-wired
 male or female electrical connection, cable, cord or other wiring; and

²⁸ "(F) Has a nameplate output power less than or equal to 250 watts.

29 "(b) 'Single-voltage external AC to DC power supply' does not include 30 power supplies that are classified as devices for human use under the Federal 1 Food, Drug and Cosmetic Act, 21 U.S.C. 360c.

2 "(40) 'Small battery charger system' means:

"(a) A battery charger system with a rated input power of two
kilowatts or less.

6 "(b) A golf cart battery charger system, regardless of input power
6 or battery capacity.

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

"(a) A bulged reflector or elliptical reflector bulb shape that has a diameter that equals or exceeds 2.25 inches; or

"(b) A reflector, parabolic aluminized reflector or similar bulb shape that
has a diameter of 2.25 to 2.75 inches.

"(42)(a) 'Television' means an analog or digital device, including a combination television, a television monitor, a component television and any unit marketed as a television, designed for the display and reception of a terrestrial, satellite, cable or Internet protocol or other broadcast or recorded transmission of analog or digital video or audio signals.

23 "(b) 'Television' does not mean a computer monitor.

"(43) 'Television monitor' means a television that does not have an
 internal tuner, receiver or playback device.

"(44) 'Television standby-passive mode' means the mode of operation in which the television is connected to a power source, produces neither sound nor picture but can be switched into another mode with the remote control unit or via an internal signal.

30 "[(24)] (45) 'Torchiere' means a portable electric lighting fixture with a

reflective bowl that directs light upward so as to produce indirect illumi-nation.

"[(25)] (46) 'Traffic signal module' means a standard traffic signal indicator, consisting of a light source, a lens and all other parts necessary for operation, that is:

6 "(a) Eight inches, or approximately 200 millimeters, in diameter; or

7 "(b) Twelve inches, or approximately 300 millimeters, in diameter.

8 "[(26)] (47) 'Unit heater' means a self-contained, vented fan-type commer-9 cial space heater, other than a consumer product covered by federal stan-10 dards established pursuant to 42 U.S.C. 6291 et seq. or that is a direct vent, 11 forced flue heater with a sealed combustion burner, that uses natural gas or 12 propane and that is designed to be installed without ducts within a heated 13 space.

"(48) 'USB charger system' means a small battery charger system that uses a universal serial bus (USB) connector as the only power source to charge the battery, and is packaged with an external power supply rated with a voltage output of five volts and a power output of 15 watts or less.

"[(27)] (49) 'Walk-in refrigerator' and 'walk-in freezer' mean a space refrigerated to temperatures, respectively, at or above and below 32° F that can be walked into.

"[(28)] (50) 'Water dispenser' means a factory-made assembly that mechanically cools and heats potable water and dispenses the cooled or heated water by integral or remote means.

²⁵ "<u>SECTION 2.</u> ORS 469.229, as amended by section 1 of this 2013 Act, is ²⁶ amended to read:

"469.229. As used in ORS 469.229 to 469.261, unless the context clearly
 requires otherwise:

29 "(1) 'À la carte charger' means a battery charger that is individually 30 packaged without batteries, including a multiport charger or a charger with 1 multi-voltage capability.

"(2) 'Automatic commercial ice cube machine' means a factory-made assembly, not necessarily shipped in one package, consisting of a condensing unit and ice-making section operating as an integrated unit with means for making and harvesting ice cubes, and any integrated components for storing or dispensing ice.

"(3) 'Ballast' means a device used with an electric discharge lamp to obtain necessary circuit conditions for starting and operating the lamp.

9 "(4) 'Battery' or 'battery pack' means an assembly of one or more re-10 chargeable cells intended to provide electrical energy to a product, in one 11 of the following forms:

"(a) A detachable battery that is contained in an enclosure separate from
 the product and that is intended to be removed or disconnected from the
 product for charging; or

"(b) An integral battery that is contained within the product and is not
 removed from the product for charging.

17 "(5) 'Battery analyzer' means a device:

"(a) Used to analyze and report a battery's performance and overall con-dition;

20 "(b) Capable of being programmed and performing service functions to 21 restore capability in deficient batteries; and

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

"(6) 'Battery backup' or 'uninterruptible power supply charger (UPS)' means a small battery charger system that is voltage and frequency dependent (VFD) and designed to provide power to an end-use product in the event of a power outage, including a UPS as defined in International Electrotechnical Commission (IEC) publication 62040-3 (March 2011 edition), where the output of the VFD UPS is dependent on changes in AC input voltage and frequency and is not intended to provide additional corrective

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1 functions, such as those relating to the use of tapped transformers.

"(7)(a) 'Battery charger system' means a battery charger coupled with its
batteries, including:

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

"(B) The battery and battery charger components of devices that are designed to run on battery power during part or all of their operations;

9 "(C) Dedicated battery systems primarily designed for electrical or emer-10 gency backup; and

"(D) Devices whose primary function is to charge batteries, along with the batteries the devices are designed to charge, including chargers for power tool batteries and chargers for automotive, AA, AAA, C, D, or nine-volt rechargeable batteries and chargers for batteries used in larger industrial motive equipment and à la carte chargers.

16 "(b) 'Battery charger system' does not mean a battery charger:

"(A) Used to charge a motor vehicle that is powered by an electric motor drawing current from rechargeable storage batteries, fuel cells or other portable sources of electrical current, including a nonelectrical source of power designed to charge batteries and components thereof, except for battery chargers for forklifts, electric personal assistive mobility devices or low-speed vehicles;

"(B) That is classified as a Class II or Class III device for human use
under the Federal Food, Drug, and Cosmetic Act, as in effect on the effective
date of this 2013 Act, and that requires listing and approval as a medical
device;

"(C) Used to charge a battery or batteries in an illuminated exit sign,
including those products that are a combination illuminated exit sign and
emergency egress lighting;

30 "(D) With input that is three phases of line-to-line 300 volts root mean

1 square or more and is designed for a stationary power application;

2 "(E) That is a battery analyzer; or

"(F) That is a voltage independent or voltage and frequency independent
uninterruptible power supply as defined in International Electrotechnical
Commission (IEC) publication 62040-3 (March 2011 edition).

6 "(c) The charging circuitry of battery charger systems may or may not 7 be located within the housing of the end-use device. In many cases, the bat-8 tery may be charged with a dedicated external charger and power supply 9 combination that is separate from the device that runs on power from the 10 battery.

"(8) 'Battery maintenance mode' means the mode of operation when the battery charger system is connected to the main electricity supply and the battery is fully charged and connected to the charger.

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

"(10) 'Charge return factor' means the number of ampere-hours returned
to the battery during the charge cycle divided by the number of ampere-hours
delivered by the battery during discharge.

"(11) 'Combination television' means a system in which a television or television monitor and an additional device or devices, including a video cassette recorder, are combined into a single unit in which the additional device or devices are included in the television casing.

"(12) 'Commercial clothes washer' means a soft mount horizontal-axis or
 vertical-axis clothes washer that:

"(a) Has a clothes compartment no greater than 3.5 cubic feet in the case
of a horizontal-axis product or no greater than 4 cubic feet in the case of a
vertical-axis product; and

²⁸ "(b) Is designed for use by more than one household.

29 "(13)(a) 'Commercial hot food holding cabinet' means an appliance that 30 is a heated, fully-enclosed compartment with one or more solid doors and is designed to maintain the temperature of hot food that has been cooked in a
separate appliance.

"(b) 'Commercial hot food holding cabinet' does not include heated glass
merchandising cabinets, drawer warmers or cook-and-hold appliances.

5 "(14) 'Commercial prerinse spray valve' means a handheld device designed 6 and marketed for use with commercial dishwashing equipment and that 7 sprays water on dishes, flatware and other food service items for the purpose 8 of removing food residue prior to their cleaning.

"(15) 'Commercial refrigerators or freezers' means refrigerators, freezers 9 or refrigerator-freezers, smaller than 85 cubic feet of internal volume and 10 designed for use by commercial or institutional facilities for the purpose of 11 storing or merchandising food products, beverages or ice at specified tem-12 peratures, other than products without doors, walk-in refrigerators or 13 freezers, consumer products that are federally regulated pursuant to 42 14 U.S.C. 6291 et seq. or freezers specifically designed for ice cream. 'Commer-15 cial refrigerators or freezers': 16

"(a) Must incorporate most components involved in the vapor-compression
 cycle and the refrigerated compartment in a single cabinet; and

"(b) May be configured with either solid or transparent doors as a
reach-in cabinet, pass-through cabinet, roll-in cabinet or roll-through cabinet.
"(16)(a) 'Compact audio product,' also known as a mini, mid, micro or
shelf audio system, means an integrated audio system encased in a single
housing that includes an amplifier and radio tuner and attached or separable
speakers that can reproduce audio from one or more of the following media:
"(A) Magnetic tape;

26 "(B) Compact disc;

27 "(C) DVD; or

28 "(D) Flash memory.

29 "(b) 'Compact audio product' does not include products that can be inde-30 pendently powered by internal batteries, have a powered external satellite

SB 692-A6 5/6/13 Proposed Amendments to A-Eng. SB 692 1 antenna or can provide a video output signal.

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

"(18) 'Component television' means a television composed of two or more
separate components, including separate display device and tuner, marketed
as a television under one model or system designation and having one or
more power cords.

8 "(19) 'Computer monitor' means an analog or digital device that is de-9 signed primarily for the display of computer-generated signals and that is 10 not marketed for use as a television.

"(20) 'Digital versatile disc' or 'DVD' means a laser-encoded plastic medium capable of storing a large amount of digital audio, video and computer data.

"(21)(a) 'Digital versatile disc player' or 'digital versatile disc recorder' means a commercially available electronic product encased in a single housing that includes an integral power supply and for which the sole purpose is, respectively, the decoding and the production or recording of digitized video signal on a DVD.

"(b) 'Digital versatile disc recorder' does not include models that have an electronic programming guide function that provides an interactive, onscreen menu of television listings and downloads program information from the vertical blanking interval of a regular television signal.

"(22) 'Electronic programming guide' means an application that provides 23an interactive, on-screen menu of television listings that downloads program 24information from the vertical blanking interval of a regular television signal. 25"(23) 'High-intensity discharge lamp' means a lamp in which light is 26produced by the passage of an electric current through a vapor or gas, and 27in which the light-producing arc is stabilized by bulb wall temperature and 28the arc tube has a bulb wall loading in excess of three watts per square 29 centimeter. 30

"(24)(a) 'High light output double-ended quartz halogen lamp'
means a lamp that:

3 "(A) Is designed for general outdoor lighting purposes;

4 "(B) Contains a tungsten filament;

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

7 "(D) Has at each end a recessed single contact, R7s base;

8 "(E) Has a maximum overall length between four and 11 inches;

"(F) Has a nominal diameter less than three-fourths inch (T6); and
"(G) Is designed to be operated at a voltage between 110 volts and
200 volts or is designed to be operated at a voltage between 235 volts
and 300 volts.

"(b) 'High light output double-ended quartz halogen lamp' does not
mean a lamp that is:

15 "(A) A tubular quartz infrared heat lamp; or

"(B) Marked and marketed as a stage and studio lamp with a rated
 life of 500 hours or less.

"[(24)] (25) 'Illuminated exit sign' means an internally illuminated sign that is designed to be permanently fixed in place to identify a building exit, that consists of an electrically powered integral light source that illuminates the legend 'EXIT' and any directional indicators and that provides contrast between the legend, any directional indicators and the background.

"[(25)] (26) 'Inductive charger system' means a small battery charger system that transfers power to the charger through magnetic or electric induction.

²⁶ "[(26)(a)] (27)(a) 'Large battery charger system' means a battery charger ²⁷ system with a rated input power of more than two kilowatts.

"(b) 'Large battery charger system' does not mean a battery charger system for golf carts.

³⁰ "[(27)] (28) 'Metal halide lamp' means a high-intensity discharge lamp in

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which the major portion of the light is produced by radiation of metal
halides and their products of dissociation, possibly in combination with metallic vapors.

"[(28)] (29) 'Metal halide lamp fixture' means a light fixture designed to
be operated with a metal halide lamp and a ballast for a metal halide lamp.
"[(29)] (30) 'Multiport charger' means a battery charger that is capable
of simultaneously charging two or more batteries and that may have multivoltage capability, allowing two or more batteries of different voltages to
charge simultaneously.

"[(30)] (31) 'No battery mode' means the mode of operation in which a battery charger is connected to the main electricity supply and the battery is not connected to the charger.

"[(31)] (32) 'Pass-through cabinet' means a commercial refrigerator or freezer with hinged or sliding doors on both the front and rear of the unit.

"[(32)] (33) 'Portable electric spa' means a factory-built electric spa or hot
tub supplied with equipment for heating and circulating water.

"[(33)] (34) 'Power conversion efficiency' means the instantaneous DC
output power of the battery charger system divided by the simultaneous
utility AC input power.

²⁰ "[(34)] (35) 'Probe-start metal halide lamp ballast' means a ballast used ²¹ to operate metal halide lamps that does not contain an igniter and that in-²² stead starts metal halide lamps by using a third starting electrode probe in ²³ the arc tube.

"[(35)] (36) 'Reach-in cabinet' means a commercial refrigerator or freezer with hinged or sliding doors or lids, other than roll-in or roll-through cabinets or pass-through cabinets.

"[(36)] (37) 'Roll-in cabinet' means a commercial refrigerator or freezer with hinged or sliding doors that allow wheeled racks to be rolled into the unit.

30 "[(37)] (38) 'Roll-through cabinet' means a commercial refrigerator or

freezer with hinged or sliding doors on two sides of the cabinet that allow
 wheeled racks to be rolled through the unit.

"[(38)] (39) 'Selected input mode' means the input port selected that the
television uses as a source to produce a visible or audible output and that
is required for televisions with multiple possible inputs, including coaxial,
composite, S-Video, HDMI and component connectors.

"[(39)(a)] (40)(a) 'Single-voltage external AC to DC power supply' means a device, other than a product with batteries or battery packs that physically attach directly to the power supply unit, a product with a battery chemistry or type selector switch and indicator light or a product with a battery chemistry or type selector switch and a state of charge meter, that:

"(A) Is designed to convert line voltage alternating current input into
 lower voltage direct current output;

"(B) Is able to convert to only one direct current output voltage at a time;
"(C) Is sold with, or intended to be used with, a separate end-use product
that constitutes the primary power load;

"(D) Is contained within a separate physical enclosure from the end-useproduct;

"(E) Is connected to the end-use product via a removable or hard-wired
 male or female electrical connection, cable, cord or other wiring; and

²¹ "(F) Has a nameplate output power less than or equal to 250 watts.

"(b) 'Single-voltage external AC to DC power supply' does not include
power supplies that are classified as devices for human use under the Federal
Food, Drug and Cosmetic Act, 21 U.S.C. 360c.

²⁵ "[(40)] (41) 'Small battery charger system' means:

"(a) A battery charger system with a rated input power of two kilowattsor less.

"(b) A golf cart battery charger system, regardless of input power or
battery capacity.

30 "[(41)] (42) 'State-regulated incandescent reflector lamp' means a lamp

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that is not colored or designed for rough or vibrating service applications, that has an inner reflective coating on the outer bulb to direct the light, that has an E26 medium screw base, that has a rated voltage or voltage range that lies at least partially within 115 to 130 volts and that falls into one of the following categories:

6 "(a) A bulged reflector or elliptical reflector bulb shape that has a diam-7 eter that equals or exceeds 2.25 inches; or

"(b) A reflector, parabolic aluminized reflector or similar bulb shape that
has a diameter of 2.25 to 2.75 inches.

"[(42)(a)] (43)(a) 'Television' means an analog or digital device, including a combination television, a television monitor, a component television and any unit marketed as a television, designed for the display and reception of a terrestrial, satellite, cable or Internet protocol or other broadcast or recorded transmission of analog or digital video or audio signals.

15 "(b) 'Television' does not mean a computer monitor.

"[(43)] (44) 'Television monitor' means a television that does not have an
 internal tuner, receiver or playback device.

"[(44)] (45) 'Television standby-passive mode' means the mode of operation in which the television is connected to a power source, produces neither sound nor picture but can be switched into another mode with the remote control unit or via an internal signal.

"[(45)] (46) 'Torchiere' means a portable electric lighting fixture with a reflective bowl that directs light upward so as to produce indirect illumination.

²⁵ "[(46)] (47) 'Traffic signal module' means a standard traffic signal indica-²⁶ tor, consisting of a light source, a lens and all other parts necessary for ²⁷ operation, that is:

²⁸ "(a) Eight inches, or approximately 200 millimeters, in diameter; or

²⁹ "(b) Twelve inches, or approximately 300 millimeters, in diameter.

30 "[(47)] (48) 'Unit heater' means a self-contained, vented fan-type commer-

cial space heater, other than a consumer product covered by federal standards established pursuant to 42 U.S.C. 6291 et seq. or that is a direct vent, forced flue heater with a sealed combustion burner, that uses natural gas or propane and that is designed to be installed without ducts within a heated space.

6 "[(48)] (49) 'USB charger system' means a small battery charger system 7 that uses a universal serial bus (USB) connector as the only power source 8 to charge the battery, and is packaged with an external power supply rated 9 with a voltage output of five volts and a power output of 15 watts or less.

"[(49)] (50) 'Walk-in refrigerator' and 'walk-in freezer' mean a space refrigerated to temperatures, respectively, at or above and below 32° F that can be walked into.

"[(50)] (51) 'Water dispenser' means a factory-made assembly that mechanically cools and heats potable water and dispenses the cooled or heated water by integral or remote means.

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- 17

"MINIMUM ENERGY EFFICIENCY STANDARDS

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¹⁹ "<u>SECTION 3.</u> ORS 469.233 is amended to read:

20 "469.233. The following minimum energy efficiency standards for new 21 products are established:

"(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:

| 1 | Ice-making head | water | <500 | 7.800055H | 200022H |
|----|-------------------|-------|------------|------------|----------------|
| 2 | | | ≥ 500<1436 | 5.580011H | 200022H |
| 3 | | | ≥ 1436 | 4.0 | 200022H |
| 4 | Ice-making head | air | <450 | 10.260086H | Not applicable |
| 5 | | | ≥ 450 | 6.890011H | Not applicable |
| 6 | Remote condensing | | | | |
| 7 | but not remote | | | | |
| 8 | compressor | air | <1000 | 8.850038 | Not applicable |
| 9 | | | ≥ 1000 | 5.10 | Not applicable |
| 10 | Remote condensing | | | | |
| 11 | and remote | | | | |
| 12 | compressor | air | <934 | 8.850038H | Not applicable |
| 13 | | | ≥ 934 | 5.30 | Not applicable |
| 14 | Self-contained | | | | |
| 15 | models | water | <200 | 11.400190H | 1910315H |
| 16 | | | ≥ 200 | 7.60 | 1910315H |
| 17 | Self-contained | | | | |
| 18 | models | air | <175 | 18.00469H | Not applicable |
| 19 | | | ≥ 175 | 9.80 | Not applicable |

Where H = harvest rate in pounds per 24 hours, which must be reported within 5 percent of the tested value. Maximum water use applies only to water used for the condenser.

23

"

"(b) For purposes of this subsection, 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) Commercial clothes washers must have a minimum modified energy
 factor of 1.26 and a maximum water consumption factor of 9.5. For purposes

of this subsection, capacity, modified energy factor and water consumption
factor are defined and shall be measured in accordance with the federal test
method for commercial clothes washers under 10 C.F.R. 430.23.

"(3) Commercial prerinse spray valves must have a flow rate equal to or
less than 1.6 gallons per minute when measured in accordance with the
ASTM International's 'Standard Test Method for Prerinse Spray Valves,'
ASTM F2324-03.

8 "(4)(a) Commercial refrigerators or freezers must meet the applicable re9 quirements listed in the following table:

Equipment Type Doors Maximum Daily 11 12Energy Consumption (kWh) 13 14 Reach-in cabinets, pass-through cabinets and roll-in or roll-through Solid 0.10V + 2.041516 cabinets that are refrigerators Transparent 0.12V + 3.3417 18 Reach-in cabinets, pass-through 19 cabinets and roll-in or roll-through cabinets that are "pulldown" 2021refrigerators Transparent 0.126V + 3.5122Reach-in cabinets, pass-through 2324cabinets and roll-in or roll-through Solid 0.40V + 1.380.75V + 4.1025cabinets that are freezers Transparent 2627Reach-in cabinets that are 28refrigerator-freezers with an 29 AV of 5.19 or higher Solid 0.27AV - 0.71 30

"

10

"(b) For purposes of this subsection:

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"

21

8 "(A) 'Pulldown' designates products designed to take a fully stocked 9 refrigerator with beverages at 90 degrees Fahrenheit and cool those 10 beverages to a stable temperature of 38 degrees Fahrenheit within 12 hours 11 or less.

"(B) Daily energy consumption shall be measured in accordance with the
 American National Standards Institute/American Society of Heating, Refrig erating and Air-Conditioning Engineers test method 117-2002, except that:

"(i) The back-loading doors of pass-through and roll-through refrigerators
 and freezers must remain closed throughout the test; and

"(ii) The controls of all commercial refrigerators or freezers shall be adjusted to obtain the following product temperatures, in accordance with the
California Code of Regulations, Title 20, Division 2, Chapter 4, Article 4,
section 1604, table A-2, effective November 27, 2002:

| Product or compartment type | Integrated average product temperature |
|-----------------------------|--|
| | in degrees Fahrenheit |
| | |
| Refrigerator | 38 ± 2 |
| Freezer | 0 ± 2 |
| " | |
| | Refrigerator Freezer |

"(5) Illuminated exit signs must have an input power demand of five watts or less per illuminated face. For purposes of this subsection, input power demand shall be measured in accordance with the conditions for testing established by the United States Environmental Protection Agency's Energy
Star exit sign program version 3.0. Illuminated exit signs must also meet all
applicable building and safety codes.

"(6) Metal halide lamp fixtures designed to be operated with lamps rated
greater than or equal to 150 watts but less than or equal to 500 watts may
not contain a probe-start metal halide lamp ballast.

"(7)(a) Single-voltage external AC to DC power supplies manufactured on
or after July 1, 2008, must meet the requirements in the following table:

10 Nameplate output Minimum Efficiency in Active Mode 11 <1 Watt 12 0.5 * Nameplate Output \geq 1 Watt 13 14 and \leq 51 Watts 0.09 * Ln (Nameplate Output) + 0.5 > 51 Watts 0.85 15 16 17 Maximum Energy Consumption in No-Load Mode 18 19 Any Output 0.5 Watts 2021Where Ln (Nameplate Output) - Natural Logarithm of the nameplate output 22expressed in Watts 23"

²⁵ "(b) For the purposes of this subsection, efficiency of single-voltage ex-²⁶ ternal AC to DC power supplies shall be measured in accordance with the ²⁷ United States Environmental Protection Agency's 'Test Method for Calcu-²⁸ lating the Energy Efficiency of Single-Voltage External AC to DC and AC ²⁹ to AC Power Supplies,' dated August 11, 2004. The efficiency in the active ³⁰ and no-load modes of power supplies shall be tested only at 115 volts at 60

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"

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1 Hz.

"

"(8)(a) State-regulated incandescent reflector lamps manufactured on or
after January 1, 2008, must meet the minimum efficiencies in the following
table:

 $\mathbf{5}$ Minimum average lamp efficiency 6 Wattage 7 (lumens per watt) 8 9 40 - 50 10.510 51 - 66 11.0 11 67 - 85 12.586 - 115 12 14.0116 - 155 13 14.514 156 - 205 15.0" 15

"(b) Lamp efficiency shall be measured in accordance with the applicable
test method found in 10 C.F.R. 430.23.

"(9) Torchieres may not use more than 190 watts. A torchiere uses more than 190 watts if any commercially available lamp or combination of lamps can be inserted in a socket and cause the torchiere to draw more than 190 watts when operated at full brightness.

"(10)(a) Traffic signal modules must have maximum and nominal wattage
that does not exceed the applicable values in the following table:

24

"

| 25 | Module Type | Maximum Wattage | Nominal Wattage |
|----|-----------------------------------|-----------------|-----------------|
| 26 | | (at 74°C) | (at 25°C) |
| 27 | | | |
| 28 | 12" red ball (or 300 mm circular) | 17 | 11 |
| 29 | 8" red ball (or 200 mm circular) | 13 | 8 |
| 30 | 12" red arrow (or 300 mm arrow) | 12 | 9 |

| 1 | 12" green ball (or 300 mm circular) | 15 | 15 |
|----------|-------------------------------------|----|----|
| 2 | 8" green ball (or 200 mm circular) | 12 | 12 |
| 3 | 12" green arrow (or 300 mm arrow) | 11 | 11 |
| 4 | " | | |

5 "(b) For purposes of this subsection, maximum wattage and nominal 6 wattage shall be measured in accordance with and under the testing condi-7 tions specified by the Institute for Transportation Engineers 'Interim LED 8 Purchase Specification, Vehicle Traffic Control Signal Heads, Part 2: Light 9 Emitting Diode Vehicle Traffic Signal Modules.'

"(11) Unit heaters must be equipped with intermittent ignition devices
 and must have either power venting or an automatic flue damper.

"(12) Bottle-type water dispensers designed for dispensing both hot and cold water may not have standby energy consumption greater than 1.2 kilowatt-hours per day, as measured in accordance with the test criteria contained in Version 1 of the United States Environmental Protection Agency's 'Energy Star Program Requirements for Bottled Water Coolers,' except that units with an integral, automatic timer may not be tested using Section D, 'Timer Usage,' of the test criteria.

"(13) Commercial hot food holding cabinets shall have a maximum idle 19 energy rate of 40 watts per cubic foot of interior volume, as determined by 20the 'Idle Energy Rate-dry Test' in ASTM F2140-01, 'Standard Test Method for 21Performance of Hot Food Holding Cabinets' published by ASTM Interna-22tional. Interior volume shall be measured in accordance with the method 23shown in the United States Environmental Protection Agency's 'Energy Star 24Program Requirements for Commercial Hot Food Holding Cabinets,' as in 2526 effect on August 15, 2003.

"(14) Compact audio products may not use more than two watts in standby passive mode for those without a permanently illuminated clock display and four watts in standby passive mode for those with a permanently illuminated clock display, as measured in accordance with International Electrotechnical Commission (IEC) test method 62087:2002(E), 'Methods of
 Measurement for the Power Consumption of Audio, Video, and Related
 Equipment.'

"(15) Digital versatile disc players and digital versatile disc recorders may
not use more than three watts in standby passive mode, as measured in accordance with International Electrotechnical Commission (IEC) test method
62087:2002(E), 'Methods of Measurement for the Power Consumption of Audio, Video, and Related Equipment.'

9 "(16) Portable electric spas may not have a standby power greater than 10 $5(V^{2/3})$ Watts where V=the total volume in gallons, as measured in accord-11 ance with the test method for portable electric spas contained in the 12 California Code of Regulations, Title 20, Division 2, Chapter 4, section 1604. 13 "(17)(a) Walk-in refrigerators and walk-in freezers with the applicable 14 motor types shown in the table below shall include the required components 15 shown.

16

"

| 10 | | |
|----|------------|---|
| 17 | Motor Type | Required Components |
| 18 | | |
| 19 | All | Interior lights: light sources with an efficacy of 45 |
| 20 | | lumens per watt or more, including ballast losses |
| 21 | | (if any) |
| 22 | | |
| 23 | All | Automatic door closers that firmly close all |
| 24 | | reach-in doors |
| 25 | | |
| 26 | All | Automatic door closers that firmly close all walk-in |
| 27 | | doors no wider than 3.9 feet and no higher than |
| 28 | | 6.9 feet that have been closed to within one |
| 29 | | inch of full closure |
| 30 | | |

| 1 | All | Wall, ceiling and door insulation at least R-28 for |
|----|-------------------------|--|
| 2 | | refrigerators and at least R-34 for freezers |
| 3 | | |
| 4 | All | Floor insulation at least R-28 for freezers (no |
| 5 | | requirement for refrigerators) |
| 6 | | |
| 7 | Condenser fan motors of | (i) Electronically commutated motors, |
| 8 | under one horsepower | (ii) Permanent split capacitor-type motors, or |
| 9 | | (iii) Polyphase motors of $\frac{1}{2}$ horsepower or more |
| 10 | | |
| 11 | Single-phase evaporator | Electronically commutated motors |
| 12 | fan motors of under one | |
| 13 | horsepower and less | |
| 14 | than 460 volts | |
| 15 | " | |

"(b) In addition to the requirements in paragraph (a) of this subsection,
 walk-in refrigerators and walk-in freezers with transparent reach-in doors
 shall meet the following requirements:

"(A) Transparent reach-in doors shall be of triple pane glass with either
 heat-reflective treated glass or gas fill;

"(B) If the appliance has an anti-sweat heater without anti-sweat controls, the appliance shall have a total door rail, glass and frame heater power draw of no more than 40 watts if it is a freezer or 17 watts if it is a refrigerator per foot of door frame width; and

"(C) If the appliance has an anti-sweat heater with anti-sweat heat controls, and the total door rail, glass, and frame heater power draw is 40 watts or greater per foot of door frame width if it is a freezer or 17 watts or greater per foot of door frame width if it is a refrigerator, the anti-sweat heat controls shall reduce the energy use of the anti-sweat heater in an amount corresponding to the relative humidity in the air outside the door 1 or to the condensation on the inner glass pane.

"(18) A television must automatically enter television standby- $\mathbf{2}$ passive mode after a maximum of 15 minutes without video or audio 3 input on the selected input mode. A television must enter television 4 standby-passive mode when turned off with the remote control unit $\mathbf{5}$ or via an internal signal. The peak luminance of a television in home 6 mode, or in the default mode as shipped, may not be less than 65 per-7 cent of the peak luminance of the retail mode or the brightest select-8 able preset mode of the television. A television must meet the 9 standards in the following table: 10

| 11 | « | | | |
|--|---|---|---|-----------------------------------|
| 12 | | | Maximum On | |
| 13 | | Television | Mode Power | |
| 14 | | Standby- | Usage (P in | Minimum |
| 15 | | passive Mode | Watts, A is | Power |
| 16 | | Power Usage | Viewable | Factor for |
| 17 | | (Watts) | Screen area) | $(\mathbf{P} \geq 100\mathbf{W})$ |
| 18 | | | | |
| 19 | | 1 W | $\mathbf{P} \leq 0.12 \mathbf{x} \mathbf{A} + 25$ | 0.9 |
| 20 | " | | | |
| | | | | |
| 21 | "(19) | (a) Large batter | y charger systems mu | st meet the minimum |
| 21 22 | | (a) Large battery cies in the follow | | st meet the minimum |
| | | | | st meet the minimum |
| 22 | efficien | cies in the follow | | |
| 22 23 | efficien | cies in the follow Standards fo | ing table: | |
| 22 23 24 | efficien " | standards fo | ing table: or Large Battery Charg | |
| 22 23 24 25 | efficien " Performa | standards fo | ing table: or Large Battery Charg | |
| 22 23 24 25 26 | efficien " Performa | standards for Standards for | ing table: or Large Battery Charg | |
| 22 23 24 25 26 27 | efficien " Performa Paramete | standards for Standards for | ing table: or Large Battery Charg Standard | |
| 22 23 24 25 26 27 28 | efficien " Performa Paramete Charge R | standards for standards for eturn | ing table: or Large Battery Charg Standard | |

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| 1 | | Discharge | |
|----|---------------------|----------------|---|
| 2 | | | |
| 3 | | 80 percent | $\mathbf{Crf} \leq 1.10$ |
| 4 | | Depth of | |
| 5 | | Discharge | |
| 6 | | | |
| 7 | | 40 percent | $Crf \leq 1.15$ |
| 8 | | Depth of | |
| 9 | | Discharge | |
| 10 | | | |
| 11 | Power Conversion | | |
| 12 | Efficiency | | ≥ 89 percent |
| 13 | | | |
| 14 | Power Factor | | ≥ 0.90 |
| 15 | | | |
| 16 | Battery | | |
| 17 | Maintenance | | |
| 18 | Mode Power | | \leq 10 +0.0012E _b W |
| 19 | $(E_b = battery)$ | | |
| 20 | capacity of | | |
| 21 | tested battery) | | |
| 22 | | | |
| 23 | No Battery | | |
| 24 | Mode Power | | \leq 10 W |
| 25 | " | | |
| 26 | "(b)(A) As des | scribed in su | ubparagraph (B) of this paragraph, induc- |
| 27 | tive charger syst | tems and sm | all battery charger systems must meet the |
| 28 | minimum energy | y efficiency s | standards in the following table: |
| 29 | " | | |
| 30 | Standards f | or Inductive | and Small Battery Charger Systems |

| 1 | Performance | Standard | | |
|----|--|---|--|--|
| 2 | Parameter | | | |
| 3 | | | | |
| 4 | Maximum 24-hour | For E_{b} of 2.5 Wh or less: 16 x N | | |
| 5 | charge and | | | |
| 6 | maintenance | For $E_b > 2.5$ Wh and | | |
| 7 | energy (Wh) | \leq 100 Wh: 12 x N+1.6E _b | | |
| 8 | $(E_b = capacity)$ | | | |
| 9 | of all batteries in | For E _b >100 Wh and | | |
| 10 | ports and N = | \leq 1000 Wh: 22 x N+1.5E _b | | |
| 11 | number of charger | | | |
| 12 | ports) | For E _b > 1000 Wh: | | |
| 13 | | 36.4 x N + 1.486E _b | | |
| 14 | | | | |
| 15 | Battery Maintenance | The sum of battery maintenance mode power and no | | |
| 16 | Mode Power and No | battery mode power must be less than or equal to: | | |
| 17 | Battery Mode | 1 x N+0.0021xE _b | | |
| 18 | Power (W) | | | |
| 19 | Power Factor | | | |
| 20 | $(E_b = capacity)$ | | | |
| 21 | of all batteries in | | | |
| 22 | ports and N = | | | |
| 23 | number of charger | | | |
| 24 | ports) | | | |
| 25 | " | | | |
| 26 | "(B) The requiremen | ts in subparagraph (A) of this paragraph must | | |
| 27 | be met by: | | | |
| 28 | "(i) Small battery cl | harger systems for sale at retail that are not | | |
| 29 | USB charger systems w | ith a battery capacity of 20 watt-hours or more | | |
| 00 | and that are many fastered on an often January 1, 2014 | | | |

30 and that are manufactured on or after January 1, 2014.

"(ii) Small battery charger systems for sale at retail that are USB
charger systems with a battery capacity of 20 watt-hours or more and
that are manufactured on or after January 1, 2014.

4 "(iii) Small battery charger systems that are not sold at retail and
5 that are manufactured on or after January 1, 2017.

6 "(iv) Inductive charger systems manufactured on or after January 7 1, 2014, unless the inductive charger system uses less than one watt 8 in battery maintenance mode, less than one watt in no battery mode 9 and an average of one watt or less over the duration of the charge and 10 battery maintenance mode test.

11 "(v) Battery backups and uninterruptible power supplies, manufac-12 tured on or after January 1, 2014, for small battery charger systems 13 for sale at retail, which may not consume more than 0.8 (0.0021xE_{b}) 14 watts in battery maintenance mode, where (\mathbf{E}_{b}) is the battery capacity 15 in watt-hours.

¹⁶ "(vi) Small battery charger systems not sold at retail, manufactured ¹⁷ after January 1, 2017, which may not consume more than 0.8 ¹⁸ (0.0021xE_b) watts in battery maintenance mode, where (E_b) is the bat-¹⁹ tery capacity in watt-hours.

"(C) The requirements in subparagraph (A) of this paragraph do not
 need to be met by an à la carte charger that is:

"(i) Provided separately from and subsequent to the sale of a small
 battery charger system described in this paragraph;

"(ii) Necessary as a replacement for, or as a replacement compo nent of, a small battery charger system; and

"(iii) Provided by a manufacturer directly to a consumer or to a
 service or repair facility.

²⁸ "<u>SECTION 4.</u> ORS 469.233, as amended by section 3 of this 2013 Act, is ²⁹ amended to read:

³⁰ "469.233. The following minimum energy efficiency standards for new

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products are established: 1

"

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"(1)(a) Automatic commercial ice cube machines must have daily energy $\mathbf{2}$ use and daily water use no greater than the applicable values in the follow-3 ing table: 4

| 5 | ••• | | | | |
|----|-------------------|---------|--------------------|----------------|--------------------------|
| 6 | Equipment type | Type of | Harvest rate | Maximum | Maximum |
| 7 | | cooling | (lbs. ice/24 hrs.) | energy use | condenser |
| 8 | | | | (kWh/100 lbs.) | water use |
| 9 | | | | | (gallons/100 lbs. ice) |
| 10 | | | | | |
| 11 | Ice-making head | water | <500 | 7.800055H | 200022H |
| 12 | | | ≥ 500<1436 | 5.580011H | 200022H |
| 13 | | | ≥ 1436 | 4.0 | 200022H |
| 14 | Ice-making head | air | <450 | 10.260086H | Not applicable |
| 15 | | | ≥ 450 | 6.890011H | Not applicable |
| 16 | Remote condensing | | | | |
| 17 | but not remote | | | | |
| 18 | compressor | air | <1000 | 8.850038 | Not applicable |
| 19 | | | ≥ 1000 | 5.10 | Not applicable |
| 20 | Remote condensing | | | | |
| 21 | and remote | | | | |
| 22 | compressor | air | <934 | 8.850038H | Not applicable |
| 23 | | | ≥ 934 | 5.30 | Not applicable |
| 24 | Self-contained | | | | |
| 25 | models | water | <200 | 11.400190H | 1910315H |
| 26 | | | ≥ 200 | 7.60 | 1910315H |
| 27 | Self-contained | | | | |
| 28 | models | air | <175 | 18.00469H | Not applicable |
| 29 | | | ≥ 175 | 9.80 | Not applicable |
| 30 | Where $H =$ | harvest | rate in pound | s per 24 hours | , which must be reported |
| | | | | | |

SB 692-A6 5/6/13 Proposed Amendments to A-Eng. SB 692 within 5 percent of the tested value. Maximum water use applies only to
water used for the condenser.

3 "

"

20

"(b) For purposes of this subsection, 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.

9 "(2) Commercial clothes washers must have a minimum modified energy 10 factor of 1.26 and a maximum water consumption factor of 9.5. For purposes 11 of this subsection, capacity, modified energy factor and water consumption 12 factor are defined and shall be measured in accordance with the federal test 13 method for commercial clothes washers under 10 C.F.R. 430.23.

"(3) Commercial prerinse spray valves must have a flow rate equal to or
less than 1.6 gallons per minute when measured in accordance with the
ASTM International's 'Standard Test Method for Prerinse Spray Valves,'
ASTM F2324-03.

"(4)(a) Commercial refrigerators or freezers must meet the applicable re quirements listed in the following table:

| 21 | Equipment Type | Doors | Maximum Daily |
|----|--------------------------------------|-------------|--------------------------|
| 22 | | | Energy Consumption (kWh) |
| 23 | | | |
| 24 | Reach-in cabinets, pass-through | | |
| 25 | cabinets and roll-in or roll-through | Solid | 0.10V + 2.04 |
| 26 | cabinets that are refrigerators | Transparent | 0.12V + 3.34 |
| 27 | | | |
| 28 | Reach-in cabinets, pass-through | | |
| 29 | cabinets and roll-in or roll-through | | |
| 30 | cabinets that are "pulldown" | | |
| | | | |

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| 1 | refrigerators | Transparent | 0.126V + 3.51 |
|----------|---|---------------------------|---------------------|
| 2 | | | |
| 3 | Reach-in cabinets, pass-through | | |
| 4 | cabinets and roll-in or roll-through | Solid | 0.40V + 1.38 |
| 5 | cabinets that are freezers | Transparent | 0.75V + 4.10 |
| 6 | | | |
| 7 | Reach-in cabinets that are | | |
| 8 | refrigerator-freezers with an | | |
| 9 | AV of 5.19 or higher | Solid | 0.27AV - 0.71 |
| 10 | | | |
| 11 | kWh = kilowatt hours | | |
| 12 | | | |
| 13 | V = total volume (ft^3) | | |
| 14 | | | |
| 15 | AV = adjusted volume = 1.63 x freezer volum | $e (ft^3) + refrigerator$ | or volume (ft 3) |
| 16 | " | | |

17 "(b) For purposes of this subsection:

"(A) 'Pulldown' designates products designed to take a fully stocked
 refrigerator with beverages at 90 degrees Fahrenheit and cool those
 beverages to a stable temperature of 38 degrees Fahrenheit within 12 hours
 or less.

"(B) Daily energy consumption shall be measured in accordance with the
 American National Standards Institute/American Society of Heating, Refrig erating and Air-Conditioning Engineers test method 117-2002, except that:

"(i) The back-loading doors of pass-through and roll-through refrigerators
and freezers must remain closed throughout the test; and

"(ii) The controls of all commercial refrigerators or freezers shall be adjusted to obtain the following product temperatures, in accordance with the
California Code of Regulations, Title 20, Division 2, Chapter 4, Article 4,
section 1604, table A-2, effective November 27, 2002:

| 1 | " | |
|---|-----------------------------|--|
| 2 | Product or compartment type | Integrated average product temperature |
| 3 | | in degrees Fahrenheit |
| 4 | | |
| 5 | Refrigerator | 38 ± 2 |
| 6 | Freezer | 0 ± 2 |
| 7 | " | |

"(5) Illuminated exit signs must have an input power demand of five watts 8 or less per illuminated face. For purposes of this subsection, input power 9 demand shall be measured in accordance with the conditions for testing es-10 tablished by the United States Environmental Protection Agency's Energy 11 Star exit sign program version 3.0. Illuminated exit signs must also meet all 12 applicable building and safety codes. 13

"(6) Metal halide lamp fixtures designed to be operated with lamps rated 14 greater than or equal to 150 watts but less than or equal to 500 watts may 15not contain a probe-start metal halide lamp ballast. 16

"(7)(a) Single-voltage external AC to DC power supplies manufactured on 17 or after July 1, 2008, must meet the requirements in the following table: 18

| 19 | | |
|----|---------------------|--|
| 20 | Nameplate output | Minimum Efficiency in Active Mode |
| 21 | | |
| 22 | <1 Watt | 0.5 * Nameplate Output |
| 23 | \geq 1 Watt | |
| 24 | and \leq 51 Watts | 0.09 * Ln (Nameplate Output) + 0.5 |
| 25 | > 51 Watts | 0.85 |
| 26 | | |
| 27 | | Maximum Energy Consumption in No-Load Mode |
| 28 | | |
| 29 | Any Output | 0.5 Watts |
| 30 | | |

"

Where Ln (Nameplate Output) - Natural Logarithm of the nameplate output
 expressed in Watts

3 "

"

"(b) For the purposes of this subsection, efficiency of single-voltage external AC to DC power supplies shall be measured in accordance with the United States Environmental Protection Agency's 'Test Method for Calculating the Energy Efficiency of Single-Voltage External AC to DC and AC to AC Power Supplies,' dated August 11, 2004. The efficiency in the active and no-load modes of power supplies shall be tested only at 115 volts at 60 Hz.

"(8)(a) State-regulated incandescent reflector lamps manufactured on or after January 1, 2008, must meet the minimum efficiencies in the following table:

| 14 | | |
|----|-----------|---------------------------------|
| 15 | Wattage | Minimum average lamp efficiency |
| 16 | | (lumens per watt) |
| 17 | | |
| 18 | 40 - 50 | 10.5 |
| 19 | 51 - 66 | 11.0 |
| 20 | 67 - 85 | 12.5 |
| 21 | 86 - 115 | 14.0 |
| 22 | 116 - 155 | 14.5 |
| 23 | 156 - 205 | 15.0 |
| 24 | " | |

"(b) Lamp efficiency shall be measured in accordance with the applicable
test method found in 10 C.F.R. 430.23.

"(9) Torchieres may not use more than 190 watts. A torchiere uses more than 190 watts if any commercially available lamp or combination of lamps can be inserted in a socket and cause the torchiere to draw more than 190 watts when operated at full brightness. "(10)(a) Traffic signal modules must have maximum and nominal wattage
that does not exceed the applicable values in the following table:

3

| 4 | Module Type | Maximum Wattage | Nominal Wattage |
|----|-------------------------------------|-----------------|-----------------|
| 5 | | (at 74°C) | (at 25°C) |
| 6 | | | |
| 7 | 12" red ball (or 300 mm circular) | 17 | 11 |
| 8 | 8" red ball (or 200 mm circular) | 13 | 8 |
| 9 | 12" red arrow (or 300 mm arrow) | 12 | 9 |
| 10 | | | |
| 11 | 12" green ball (or 300 mm circular) | 15 | 15 |
| 12 | 8" green ball (or 200 mm circular) | 12 | 12 |
| 13 | 12" green arrow (or 300 mm arrow) | 11 | 11 |
| 14 | " | | |

15 "(b) For purposes of this subsection, maximum wattage and nominal 16 wattage shall be measured in accordance with and under the testing condi-17 tions specified by the Institute for Transportation Engineers 'Interim LED 18 Purchase Specification, Vehicle Traffic Control Signal Heads, Part 2: Light 19 Emitting Diode Vehicle Traffic Signal Modules.'

20 "(11) Unit heaters must be equipped with intermittent ignition devices 21 and must have either power venting or an automatic flue damper.

"(12) Bottle-type water dispensers designed for dispensing both hot and cold water may not have standby energy consumption greater than 1.2 kilowatt-hours per day, as measured in accordance with the test criteria contained in Version 1 of the United States Environmental Protection Agency's 'Energy Star Program Requirements for Bottled Water Coolers,' except that units with an integral, automatic timer may not be tested using Section D, 'Timer Usage,' of the test criteria.

29 "(13) Commercial hot food holding cabinets shall have a maximum idle30 energy rate of 40 watts per cubic foot of interior volume, as determined by

the 'Idle Energy Rate-dry Test' in ASTM F2140-01, 'Standard Test Method for Performance of Hot Food Holding Cabinets' published by ASTM International. Interior volume shall be measured in accordance with the method shown in the United States Environmental Protection Agency's 'Energy Star Program Requirements for Commercial Hot Food Holding Cabinets,' as in effect on August 15, 2003.

"(14) Compact audio products may not use more than two watts in standby passive mode for those without a permanently illuminated clock display and four watts in standby passive mode for those with a permanently illuminated clock display, as measured in accordance with International Electrotechnical Commission (IEC) test method 62087:2002(E), 'Methods of Measurement for the Power Consumption of Audio, Video, and Related Equipment.'

"(15) Digital versatile disc players and digital versatile disc recorders may not use more than three watts in standby passive mode, as measured in accordance with International Electrotechnical Commission (IEC) test method 62087:2002(E), 'Methods of Measurement for the Power Consumption of Audio, Video, and Related Equipment.'

"(16) Portable electric spas may not have a standby power greater than $5(V^{2/3})$ Watts where V=the total volume in gallons, as measured in accordance with the test method for portable electric spas contained in the California Code of Regulations, Title 20, Division 2, Chapter 4, section 1604. "(17)(a) Walk-in refrigerators and walk-in freezers with the applicable motor types shown in the table below shall include the required components shown.

| 26 | | |
|----|------------|---|
| 27 | Motor Type | Required Components |
| 28 | | |
| 29 | All | Interior lights: light sources with an efficacy of 45 |
| 30 | | lumens per watt or more, including ballast losses |

.,

| 1 | | (if any) |
|----|-------------------------|--|
| 2 | | |
| 3 | All | Automatic door closers that firmly close all |
| 4 | | reach-in doors |
| 5 | | |
| 6 | All | Automatic door closers that firmly close all walk-in |
| 7 | | doors no wider than 3.9 feet and no higher than |
| 8 | | 6.9 feet that have been closed to within one |
| 9 | | inch of full closure |
| 10 | | |
| 11 | All | Wall, ceiling and door insulation at least R-28 for |
| 12 | | refrigerators and at least R-34 for freezers |
| 13 | | |
| 14 | All | Floor insulation at least R-28 for freezers (no |
| 15 | | requirement for refrigerators) |
| 16 | | |
| 17 | Condenser fan motors of | (i) Electronically commutated motors, |
| 18 | under one horsepower | (ii) Permanent split capacitor-type motors, or |
| 19 | | (iii) Polyphase motors of $\frac{1}{2}$ horsepower or more |
| 20 | | |
| 21 | Single-phase evaporator | Electronically commutated motors |
| 22 | fan motors of under one | |
| 23 | horsepower and less | |
| 24 | than 460 volts | |
| 25 | " | |

"(b) In addition to the requirements in paragraph (a) of this subsection,
walk-in refrigerators and walk-in freezers with transparent reach-in doors
shall meet the following requirements:

"(A) Transparent reach-in doors shall be of triple pane glass with either
 heat-reflective treated glass or gas fill;

"(B) If the appliance has an anti-sweat heater without anti-sweat controls,
the appliance shall have a total door rail, glass and frame heater power draw
of no more than 40 watts if it is a freezer or 17 watts if it is a refrigerator
per foot of door frame width; and

5 "(C) If the appliance has an anti-sweat heater with anti-sweat heat con-6 trols, and the total door rail, glass, and frame heater power draw is 40 watts 7 or greater per foot of door frame width if it is a freezer or 17 watts or 8 greater per foot of door frame width if it is a refrigerator, the anti-sweat 9 heat controls shall reduce the energy use of the anti-sweat heater in an 10 amount corresponding to the relative humidity in the air outside the door 11 or to the condensation on the inner glass pane.

"(18) A television must automatically enter television standby-passive 12 mode after a maximum of 15 minutes without video or audio input on the 13 selected input mode. A television must enter television standby-passive mode 14 when turned off with the remote control unit or via an internal signal. The 15 peak luminance of a television in home mode, or in the default mode as 16 shipped, may not be less than 65 percent of the peak luminance of the retail 17 mode or the brightest selectable preset mode of the television. A television 18 must meet the standards in the following table: 19

| 20 | | | |
|------|--------------|---|----------------|
| 21 | | Maximum On | |
| 22 | Television | Mode Power | |
| 23 | Standby- | Usage (P in | Minimum |
| 24 | passive Mode | Watts, A is | Power |
| 25 | Power Usage | Viewable | Factor for |
| 26 | (Watts) | Screen area) | $(P \ge 100W)$ |
| 27 | | | |
| 28 | 1 W | $\mathrm{P} \leq 0.12 \mathrm{~x~A} + 25$ | 0.9 |
| 29 " | | | |
| | | | |

30

"

20

"(19)(a) Large battery charger systems must meet the minimum efficien-

| 2 | " | | |
|----|---------------------|----------------|-----------------------------------|
| 3 | S | tandards for L | arge Battery Charger Systems |
| 4 | Performance | | Standard |
| 5 | Parameter | | |
| 6 | | | |
| 7 | Charge Return | | |
| 8 | Factor | 100 percent | $Crf \leq 1.10$ |
| 9 | | Depth of | |
| 10 | | Discharge | |
| 11 | | | |
| 12 | | 80 percent | $Crf \leq 1.10$ |
| 13 | | Depth of | |
| 14 | | Discharge | |
| 15 | | | |
| 16 | | 40 percent | $Crf \leq 1.15$ |
| 17 | | Depth of | |
| 18 | | Discharge | |
| 19 | | | |
| 20 | Power Conversion | | |
| 21 | Efficiency | | \geq 89 percent |
| 22 | | | |
| 23 | Power Factor | | ≥ 0.90 |
| 24 | | | |
| 25 | Battery Maintenance | | |
| 26 | Mode Power | | \leq 10 +0.0012E _b W |
| 27 | $(E_b = battery)$ | | |
| 28 | capacity of | | |
| 29 | tested battery) | | |
| 30 | | | |

1 cies in the following table:

| 1 | No Battery | |
|----|----------------------------|---|
| 2 | Mode Power | \leq 10 W |
| 3 | " | |
| 4 | "(b)(A) As described | in subparagraph (B) of this paragraph, inductive |
| 5 | charger systems and smal | ll battery charger systems must meet the minimum |
| 6 | energy efficiency standard | ds in the following table: |
| 7 | " | |
| 8 | Standards for Ind | luctive and Small Battery Charger Systems |
| 9 | Performance | Standard |
| 10 | Parameter | |
| 11 | | |
| 12 | Maximum 24-hour | For E_b of 2.5 Wh or less: 16 x N |
| 13 | charge and | |
| 14 | maintenance | For $E_b > 2.5$ Wh and |
| 15 | energy (Wh) | \leq 100 Wh: 12 x N+1.6E _b |
| 16 | $(E_b = capacity)$ | |
| 17 | of all batteries in | For $E_b > 100$ Wh and |
| 18 | ports and N = | \leq 1000 Wh: 22 x N+1.5E _b |
| 19 | number of charger | |
| 20 | ports) | For E _b > 1000 Wh: |
| 21 | | $36.4 \text{ x N} + 1.486 \text{E}_{b}$ |
| 22 | | |
| 23 | Battery Maintenance | The sum of battery maintenance mode power and no |
| 24 | Mode Power and No | battery mode power must be less than or equal to: |
| 25 | Battery Mode | 1 x N+0.0021xE _b |
| 26 | Power (W) | |
| 27 | Power Factor | |
| 28 | $(E_b = capacity)$ | |
| 29 | of all batteries in | |
| 30 | ports and N = | |
| | | |

1 number of charger

2 ports)

3 "

4 "(B) The requirements in subparagraph (A) of this paragraph must be met5 by:

6 "(i) Small battery charger systems for sale at retail that are not USB 7 charger systems with a battery capacity of 20 watt-hours or more and that 8 are manufactured on or after January 1, 2014.

9 "(ii) Small battery charger systems for sale at retail that are USB charger 10 systems with a battery capacity of 20 watt-hours or more and that are man-11 ufactured on or after January 1, 2014.

"(iii) Small battery charger systems that are not sold at retail that are
 manufactured on or after January 1, 2017.

"(iv) Inductive charger systems manufactured on or after January 1, 2014, unless the inductive charger system uses less than one watt in battery maintenance mode, less than one watt in no battery mode and an average of one watt or less over the duration of the charge and battery maintenance mode test.

"(v) Battery backups and uninterruptible power supplies, manufactured on or after January 1, 2014, for small battery charger systems for sale at retail, which may not consume more than 0.8 (0.0021xE_{b}) watts in battery maintenance mode, where (E_{b}) is the battery capacity in watt-hours.

"(vi) Small battery charger systems not sold at retail, manufactured after
January 1, 2017, which may not consume more than 0.8 (0.0021xE_b) watts in
battery maintenance mode, where (E_b) is the battery capacity in watt-hours.
"(C) The requirements in subparagraph (A) of this paragraph do not need
to be met by an à la carte charger that is:

"(i) Provided separately from and subsequent to the sale of a small bat tery charger system described in this paragraph;

30 "(ii) Necessary as a replacement for, or as a replacement component of,

1 a small battery charger system; and

"(iii) Provided by a manufacturer directly to a consumer or to a service
or repair facility.

4 "(20) A high light output double-ended quartz halogen lamp must
5 have a minimum efficiency of:

6 "(a) 27 lumens per watt for lamps with a minimum rated initial 7 lumen value of greater than 6,000 lumens and a maximum initial 8 lumen value of 15,000 lumens; or

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

"SALE

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- 12
- 13

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"<u>SECTION 5.</u> ORS 469.238 is amended to read:

"469.238. (1) Except as provided in subsection (2) of this section, a person 15 may not sell or offer for sale a new commercial clothes washer, commercial 16 prerinse spray valve, commercial refrigerator or freezer, illuminated exit 17 sign, single-voltage external AC to DC power supply, state-regulated incan-18 descent reflector lamp, torchiere, traffic signal module, automatic commer-19 cial ice cube machine, metal halide lamp fixture, unit heater, bottle-type 20water dispenser, commercial hot food holding cabinet, compact audio prod-21uct, digital versatile disc player, digital versatile disc recorder, portable 22electric spa, walk-in refrigerator, [or] walk-in freezer, television, inductive 23charger system, large battery charger system or small battery charger 24system unless the energy efficiency of the new product meets or exceeds the 25minimum energy efficiency standards specified in ORS 469.233. 26

"(2) A person may sell or offer for sale a new product not meeting efficiency standards specified in subsection (1) of this section if the product is:
"(a) Manufactured in this state and sold outside this state;

30 "(b) Manufactured outside this state and sold at wholesale inside this

SB 692-A6 5/6/13 Proposed Amendments to A-Eng. SB 692 1 state for final retail sale and installation outside this state;

2 "(c) Installed in a mobile or manufactured home at the time of con-3 struction; or

4 "(d) Designed expressly for installation and use in recreational vehicles.

5 "SECTION 6. ORS 469.238, as amended by section 5 of this 2013 Act, is 6 amended to read:

"469.238. (1) Except as provided in subsection (2) of this section, a person 7 may not sell or offer for sale a new commercial clothes washer, commercial 8 prerinse spray valve, commercial refrigerator or freezer, illuminated exit 9 sign, single-voltage external AC to DC power supply, state-regulated incan-10 descent reflector lamp, torchiere, traffic signal module, automatic commer-11 cial ice cube machine, metal halide lamp fixture, unit heater, bottle-type 12water dispenser, commercial hot food holding cabinet, compact audio prod-13 uct, digital versatile disc player, digital versatile disc recorder, portable 14 electric spa, walk-in refrigerator, walk-in freezer, television, inductive 15 charger system, large battery charger system, [or] small battery charger 16 system or high light output double-ended quartz halogen lamp unless 17 the energy efficiency of the new product meets or exceeds the minimum en-18 ergy efficiency standards specified in ORS 469.233. 19

"(2) A person may sell or offer for sale a new product not meeting efficiency standards specified in subsection (1) of this section if the product is:
"(a) Manufactured in this state and sold outside this state;

"(b) Manufactured outside this state and sold at wholesale inside this
state for final retail sale and installation outside this state;

25 "(c) Installed in a mobile or manufactured home at the time of con-26 struction; or

"(d) Designed expressly for installation and use in recreational vehicles.

29

"INSTALLATION

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SB 692-A6 5/6/13 Proposed Amendments to A-Eng. SB 692 1 **"SECTION 7.** ORS 469.239 is amended to read:

"469.239. (1) Except as provided in subsection (2) of this section, a person $\mathbf{2}$ may not install a new commercial clothes washer, commercial prerinse spray 3 valve, commercial refrigerator or freezer, illuminated exit sign, single-voltage 4 external AC to DC power supply, state-regulated incandescent reflector lamp, $\mathbf{5}$ torchiere, traffic signal module, automatic commercial ice cube machine, 6 metal halide lamp fixture, unit heater, bottle-type water dispenser, commer-7 cial hot food holding cabinet, compact audio product, digital versatile disc 8 player, digital versatile disc recorder, portable electric spa, walk-in 9 refrigerator, [or] walk-in freezer, television, inductive charger system, 10 large battery charger system or small battery charger system for com-11 pensation unless the energy efficiency of the new product meets or exceeds 12the minimum energy efficiency standards specified in ORS 469.233. 13

"(2) A person may install a new product not meeting efficiency standards
 specified in subsection (1) of this section if the product is:

"(a) Installed in a mobile or manufactured home at the time of con-struction; or

18 "(b) Designed expressly for installation and use in recreational vehicles.

"SECTION 8. ORS 469.239, as amended by section 7 of this 2013 Act, is
 amended to read:

"469.239. (1) Except as provided in subsection (2) of this section, a person 21may not install a new commercial clothes washer, commercial prerinse spray 22valve, commercial refrigerator or freezer, illuminated exit sign, single-voltage 23external AC to DC power supply, state-regulated incandescent reflector lamp, 24torchiere, traffic signal module, automatic commercial ice cube machine, 25metal halide lamp fixture, unit heater, bottle-type water dispenser, commer-26cial hot food holding cabinet, compact audio product, digital versatile disc 27player, digital versatile disc recorder, portable electric spa, walk-in 28refrigerator, walk-in freezer, television, inductive charger system, large bat-29 tery charger system, [or] small battery charger system or high light output 30

SB 692-A6 5/6/13 Proposed Amendments to A-Eng. SB 692 double-ended quartz halogen lamp for compensation unless the energy efficiency of the new product meets or exceeds the minimum energy efficiency
standards specified in ORS 469.233.

"(2) A person may install a new product not meeting efficiency standards
specified in subsection (1) of this section if the product is:

6 "(a) Installed in a mobile or manufactured home at the time of con-7 struction; or

8 "(b) Designed expressly for installation and use in recreational vehicles.

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11

"MISCELLANEOUS

12 "<u>SECTION 9.</u> The unit captions used in this 2013 Act are provided 13 only for the convenience of the reader and do not become part of the 14 statutory law of this state or express any legislative intent in the 15 enactment of this 2013 Act.

"SECTION 10. (1) The amendments to ORS 469.229 by section 2 of
 this 2013 Act become operative on January 1, 2016.

"(2) The amendments to ORS 469.233 by section 4 of this 2013 Act
become operative on January 1, 2016.

"(3) The amendments to ORS 469.238 by section 6 of this 2013 Act
become operative on January 1, 2016.

"(4) The amendments to ORS 469.239 by section 8 of this 2013 Act
 become operative on January 1, 2016.

"(5) The minimum energy efficiency standards specified in ORS 469.233 (19)(b) do not apply to a small battery charger system that is made available by a manufacturer directly to a consumer or to a service or repair facility, as a service part or spare part, after and separate from the original sale of the product that requires the small battery charger system as a service part or spare part, or for a battery charger that is not sold at retail, before July 1, 2017.".
