
A BILL FOR AN ACT

RELATING TO ENERGY EFFICIENCY.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. The legislature finds that the high cost of
2 living in Hawaii adds to the importance of adopting policies
3 that promote and encourage energy efficiency, which can provide
4 relief for families and businesses faced with high utility
5 bills. In 2019, the legislature took the notable step of
6 establishing minimum energy and water efficiency standards for
7 certain products sold, leased, or rented in the State. These
8 standards are estimated to result in more than \$500,000,000 in
9 cumulative utility bill savings over the next fifteen years for
10 Hawaii.

11 The legislature further finds that expanding the list of
12 products requiring minimum efficiency standards can help Hawaii
13 save millions of dollars on utility bills annually and can offer
14 even more benefits for Hawaii residents, businesses, the
15 environment, and the economy as a whole. Adopting additional
16 state appliance efficiency standards, among other positive
17 results, can:



- 1 (1) Provide a boost to the local economy as a result of
2 consumers and businesses spending their economic
3 savings on other goods and services;
 - 4 (2) Protect consumers against manufacturers who would
5 otherwise unload less efficient appliances that the
6 manufacturers cannot sell in other states having
7 heightened standards;
 - 8 (3) Ensure that Hawaii residents do not miss out on
9 potential savings while awaiting uncertain progress
10 regarding standards to be made at the national level;
 - 11 (4) Lower electricity bills for residents and businesses
12 by millions of dollars annually; and
 - 13 (5) Reduce air pollutants and greenhouse gas emissions,
14 which can result in public health benefits and help
15 the State meet its clean energy and climate change
16 mitigation targets.
- 17 Multiple states, including California, Colorado, Connecticut,
18 Oregon, Rhode Island, Vermont, and Washington, have adopted
19 robust state appliance efficiency standards to take advantage of
20 these benefits. The legislature believes that these states can
21 serve as important sources of information for the enforcement



1 and implementation of new or amended appliance energy standards
2 in Hawaii.

3 Furthermore, the legislature finds that most products added
4 pursuant to this Act are equal in cost to noncompliant products
5 or have a short payback period ranging from zero to no more than
6 six months.

7 Accordingly, the purpose of this Act is to:

- 8 (1) Authorize the chief energy officer of the Hawaii state
9 energy office, instead of the director of business,
10 economic development, and tourism, to adopt rules to
11 enforce minimum efficiency standards for certain
12 products and establish or amend appliance efficiency
13 standards in certain situations; and
- 14 (2) Regulate the appliance efficiency standards for air
15 purifiers and portable electric spas.

16 SECTION 2. Section 196-81, Hawaii Revised Statutes, is
17 amended as follows:

18 1. By adding five new definitions to be appropriately
19 inserted and to read:

20 "Air purifier" or "room air cleaner" means an electric,
21 cord-connected, portable appliance which has the primary



1 function of removing particulate matter from the air and which
2 can be moved from room to room.

3 "Chief energy officer" means the chief energy officer of
4 the Hawaii state energy office.

5 "Industrial air purifier" means an indoor air cleaning
6 device manufactured, advertised, marketed, labeled, and used
7 solely for industrial use that is marketed solely through
8 industrial supply outlets or businesses and prominently labeled
9 as "Solely for industrial use. Potential health hazard: emits
10 ozone."

11 "Partial on mode" means the condition during which the
12 equipment provides at least one secondary function but no
13 primary.

14 "Portable electric spa" means a free-standing hot tub that
15 is electrically heated."

16 2. By amending the definition of "showerhead" to read:

17 "Showerhead" means a device through which water is
18 discharged for a shower bath[~~—Showerhead includes~~] and any
19 showerhead, including a handheld showerhead, except a safety
20 showerhead."



1 3. By repealing the definitions of "department" and
2 "director".

3 ~~["Department" means the department of business, economic~~
4 ~~development, and tourism.~~

5 ~~"Director" means the director of business, economic~~
6 ~~development, and tourism."]~~

7 SECTION 3. Section 196-83, Hawaii Revised Statutes, is
8 amended to read as follows:

9 "~~§~~**196-83**~~§~~ **Rules.** The ~~[director]~~ chief energy officer
10 may adopt rules pursuant to chapter 91 to ~~[enforce]~~:

11 (1) Enforce the minimum efficiency standards ~~[for the~~
12 ~~types of new products]~~ set forth in section ~~[196-84.]~~
13 196-85; and

14 (2) Adopt or amend appliance efficiency standards for any
15 products as the chief energy officer deems
16 appropriate, including but not limited to those
17 products listed or incorporated in section 196-84(a);
18 provided that the chief energy officer shall set
19 appliance efficiency standards upon a determination
20 that increased efficiency standards would serve to
21 promote energy or water conservation in the State and



1 would be cost-effective for consumers who newly
 2 purchase and use those products; provided further that
 3 no new or amended appliance efficiency standard may be
 4 made effective within one year of the effective date
 5 of any preceding new or amended appliance efficiency
 6 standard."

7 SECTION 4. Section 196-84, Hawaii Revised Statutes, is
 8 amended by amending subsection (a) to read as follows:

9 "(a) Appliance efficiency standards are established under
 10 this part for the following appliances, if standards for these
 11 appliances are not preempted by federal law:

- 12 (1) Air purifiers;
- 13 ~~[(1)]~~ (2) Computers and computer monitors;
- 14 ~~[(2)]~~ (3) Faucets;
- 15 ~~[(3)]~~ (4) High color rendering index fluorescent lamps;
- 16 (5) Portable electric spas;
- 17 ~~[(4)]~~ (6) Showerheads; and
- 18 ~~[(5)]~~ (7) Spray sprinkler bodies."

19 SECTION 5. Section 196-85, Hawaii Revised Statutes, is
 20 amended to read as follows:



1 "~~[+]S196-85[+]—Appliance]~~ Minimum efficiency standards.

2 ~~[(a)]~~ The following minimum efficiency standards shall apply to
3 products listed or incorporated in section 196-84:

4 (1) Except for industrial air purifiers, all air purifiers
5 shall meet the following requirements as measured in
6 accordance with version 2.0 of the "ENERGY STAR
7 Program Requirements Product Specification for Room
8 Air Cleaners":

9 (A) For all models, the produced clean air delivery
10 rate for smoke shall be greater than or equal to
11 thirty;

12 (B) For models with a clean air delivery rate for
13 smoke less than one hundred, the clean air
14 delivery rate per watt for smoke shall be greater
15 than or equal to 1.7;

16 (C) For models with a clean air delivery rate for
17 smoke greater than or equal to one hundred and
18 less than one hundred fifty, the clean air
19 delivery rate per watt for smoke shall be greater
20 than or equal to 1.9;



- 1 (D) For models with a clean air delivery rate for
2 smoke greater than or equal to one hundred fifty,
3 the clean air delivery rate per watt for smoke
4 shall be greater than or equal to 2.0;
- 5 (E) For ozone-emitting models, the measured amount of
6 ozone shall be less than or equal to fifty parts
7 per billion;
- 8 (F) For models with a wi-fi network connection
9 enabled by default when shipped, partial on mode
10 power shall not exceed two watts; and
- 11 (G) For models without a wi-fi network connection
12 enabled by default when shipped, partial on mode
13 power shall not exceed one watt;
- 14 [~~1~~] (2) Computers and computer monitors shall meet the
15 requirements set forth in California Code of
16 Regulations, Title 20, Section 1605.3, as amended;
- 17 [~~2~~] (3) Faucets shall meet the minimum efficiency
18 standards set forth in California Code of Regulations,
19 Title 20, Section 1605.1, as amended;
- 20 [~~3~~] (4) High color rendering index fluorescent lamps
21 shall meet the minimum efficacy requirements contained



1 in Section 430.32(n) (4) of Title 10 of the Code of
 2 Federal Regulations as in effect on January 3, 2017,
 3 as measured in accordance with Appendix R to Subpart B
 4 of Part 430 of Title 10 of the Code of Federal
 5 Regulations—"Uniform Test Method for Measuring Average
 6 Lamp Efficacy (LE), Color Rendering Index (CRI), and
 7 Correlated Color Temperature (CCT) of Electric Lamps"—
 8 as amended;

9 (5) Portable electric spas shall meet the requirements of
 10 the "American National Standard for Portable Electric
 11 Spa Energy Efficiency" (ANSI/APSP/ICC 14-2019);

12 [~~4~~] (6) Showerheads shall meet the minimum efficiency
 13 standards set forth in California Code of Regulations,
 14 Title 20, Section 1605.1, as amended; and

15 [~~5~~] (7) Spray sprinkler bodies that are not specifically
 16 excluded from the scope of the Environmental
 17 Protection Agency's WaterSense Specification for Spray
 18 Sprinkler Bodies, Version 1.0, shall include an
 19 integral pressure regulator and shall meet the water
 20 efficiency and performance criteria and other
 21 requirements of that specification, as amended.



1 ~~[(b) When adopting standards for appliances pursuant to~~
 2 ~~section 196-84(a), the director shall set appliance efficiency~~
 3 ~~standards upon a determination that increased efficiency~~
 4 ~~standards would serve to promote energy or water conservation in~~
 5 ~~the State and would be cost effective for consumers who purchase~~
 6 ~~and use such new products.]"~~

7 SECTION 6. Section 196-86, Hawaii Revised Statutes, is
 8 amended to read as follows:

9 "~~[+]~~**\$196-86**~~[+]~~ **Implementation.** (a) On or after
 10 January 1, 2021, no new computer or computer monitor, faucet,
 11 high color rendering index fluorescent lamp, showerhead, or
 12 spray sprinkler body may be sold or offered for sale, lease, or
 13 rent in the State unless the efficiency of the new product meets
 14 or exceeds the efficiency standards provided in section 196-85.

15 (b) Beginning January 1, 2023, no new air purifier or
 16 portable electric spa may be sold or offered for sale, lease, or
 17 rent in the State unless the efficiency of the new product meets
 18 or exceeds the efficiency standards provided in section 196-85.

19 ~~[(b)]~~ (c) One year after the date upon which the sale or
 20 offering for sale of certain products becomes subject to the
 21 requirements of ~~[subsection]~~ subsections (a) ~~[, no such]~~ and (b),



1 these products [~~may~~] shall not be installed for compensation in
2 the State unless the efficiency of the new product meets or
3 exceeds the efficiency standards provided in section 196-85."

4 SECTION 7. Statutory material to be repealed is bracketed
5 and stricken. New statutory material is underscored.

6 SECTION 8. This Act shall take effect on July 1, 2050.



Report Title:

HSEO; Chief Energy Officer; Appliance Energy Standards; Air Purifiers; Portable Electric Spas

Description:

Authorizes the Chief Energy Officer of the Hawaii State Energy Office to adopt rules to enforce minimum efficiency standards for certain products and establish or amend appliance efficiency standards in certain situations. Regulates the appliance efficiency standards for air purifiers and portable electric spas. Effective 7/1/2050. (HD1)

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