
THE GENERAL ASSEMBLY OF PENNSYLVANIA

HOUSE BILL

No. 660 Session of
2025

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FEBRUARY 18, 2025

REFERRED TO COMMITTEE ON ENERGY, FEBRUARY 18, 2025

AN ACT

1 Providing for minimum energy and water efficiency standards for
2 certain products sold in this Commonwealth; imposing
3 penalties; and making repeals.

4 The General Assembly of the Commonwealth of Pennsylvania
5 hereby enacts as follows:

6 Section 1. Short title.

7 This act shall be known and may be cited as the Pennsylvania
8 Energy and Water Efficiency Standards Act.

9 Section 2. General purpose, legislative findings and scope.

10 (a) General purpose.--This act establishes minimum energy
11 and water efficiency standards for certain products sold or
12 installed in this Commonwealth.

13 (b) Legislative findings.--The General Assembly finds that:

14 (1) Efficiency standards for certain products sold or
15 installed in this Commonwealth assure consumers and
16 businesses that the products meet minimum efficiency

1 performance levels, resulting in reduced energy and water
2 waste and saving consumers and businesses money on utility
3 bills.

4 (2) Efficiency standards contribute to the economy of
5 this Commonwealth by helping to better balance supply and
6 demand for both energy and water, resulting in reduced
7 pressure that creates higher natural gas, electricity and
8 water prices. By saving consumers and businesses money on
9 utility bills, efficiency standards help the Commonwealth and
10 local economy save on utility bills that can be spent on
11 local goods and services.

12 (3) The efficiency standards save energy and thus reduce
13 pollution and other environmental impacts associated with the
14 production, distribution and use of electricity, natural gas
15 and other fuels.

16 (4) The water efficiency standards save water and thus
17 reduce the strain on the water supply. Improved water
18 efficiency can reduce or delay the need for water and sewer
19 infrastructure improvements.

20 (5) The efficiency standards can make electricity and
21 natural gas systems more reliable by reducing the strain on
22 systems during peak demand periods. Improved efficiency can
23 reduce or delay the need for new power plants, power
24 transmission lines and power distribution system upgrades as
25 well as new and expanded gas pipelines.

26 (c) Scope.--The provisions of this act apply to:

27 (1) Commercial dishwashers.

28 (2) Commercial fryers.

29 (3) Commercial hot-food holding cabinets.

30 (4) Commercial ovens.

- 1 (5) Commercial steam cookers.
- 2 (6) Faucets.
- 3 (7) Gas fireplaces.
- 4 (8) High CRI fluorescent lamps, cold-temperature
- 5 fluorescent lamps and impact-resistant fluorescent lamps.
- 6 (9) Portable electric spas.
- 7 (10) Residential ventilating fans.
- 8 (11) Showerheads.
- 9 (12) Spray sprinkler bodies.
- 10 (13) Urinals.
- 11 (14) Water closets.
- 12 (15) Water coolers.

13 (d) Limitation.--Nothing in this act may be construed to:

14 (1) Apply to new products manufactured in this

15 Commonwealth and sold outside of this Commonwealth.

16 (2) Apply to new products manufactured outside of this

17 Commonwealth and sold at wholesale inside this Commonwealth

18 for final retail sale and installation outside of this

19 Commonwealth.

20 (3) Apply to products installed in mobile manufactured

21 homes at the time of construction.

22 (4) Apply to products designed expressly for

23 installation and use in recreational vehicles.

24 (5) Constitute a ban on products covered under this act.

25 (6) Prohibit the use, sale or installation of used

26 products or parts.

27 Section 3. Definitions.

28 The following words and phrases when used in this act shall

29 have the meanings given to them in this section unless the

30 context clearly indicates otherwise:

1 "Accessory." A component that can, at the discretion of the
2 user, be readily added, removed or replaced and that, when
3 removed, will not prevent the fitting from fulfilling its
4 primary function. The term includes aerators, handheld shower
5 assemblies, showerheads and in-line flow controls.

6 "Board." The Environmental Quality Board.

7 "Cold-only unit." A water cooler that emits cold water only.

8 "Cold-temperature fluorescent lamp." A fluorescent lamp that
9 is not a compact fluorescent lamp that:

10 (1) is specifically designed to start at -20°F when used
11 with a ballast conforming to the requirements of ANSI C78.81
12 and ANSI C78.901; and

13 (2) is expressly designated as a cold-temperature lamp
14 both in markings on the lamp and in marketing materials,
15 including catalogs, sales literature and promotional
16 material.

17 "Commercial dishwasher." A machine designed to clean and
18 sanitize plates, pots, pans, glasses, cups, bowls, utensils and
19 trays by applying sprays of detergent solution, with or without
20 blasting media granules, and a sanitizing rinse.

21 "Commercial fryer." An appliance, including a cooking
22 vessel, in which oil is placed to such a depth that the cooking
23 food is essentially supported by displacement of the cooking
24 fluid rather than by the bottom of the vessel. Heat is delivered
25 to the cooking fluid by means of an immersed electric element or
26 band-wrapped vessel electric fryers or by heat transfer from gas
27 burners through either the walls of the fryer or through tubes
28 passing through the cooking fluid.

29 "Commercial hot-food holding cabinet." A heated, fully
30 enclosed compartment with one or more solid or transparent

1 doors, designed to maintain the temperature of hot food that has
2 been cooked using a separate appliance. The term does not
3 include heated glass merchandizing cabinets, drawer warmers or
4 cook-and-hold appliances.

5 "Commercial oven." A chamber designed for heating, roasting
6 or baking food by conduction, convection, radiation or
7 electromagnetic energy.

8 "Commercial steam cooker." A device with one or more food-
9 steaming compartments in which the energy in the steam is
10 transferred to the food by direct contact. The term may include
11 countertop models, wall-mounted models and floor models mounted
12 on a stand, pedestal or cabinet-style base.

13 "Compensation." Money or any other source of value,
14 regardless of form, received or to be received by a person for
15 services rendered.

16 "Cook and cold unit." A water cooler that emits both cold
17 and room-temperature water.

18 "Decorative gas fireplace." A vented fireplace, including an
19 appliance that is freestanding, recessed, zero clearance, log
20 set or a gas fireplace insert, that is fueled by natural gas or
21 propane, is marked for decorative use only and is not equipped
22 with a thermostat or intended for use as a heater.

23 "Department." The Department of Environmental Protection of
24 the Commonwealth.

25 "Dual-flush water closet." A water closet incorporating a
26 feature that allows the user to flush the water closet with
27 either a reduced or full volume of water.

28 "EPA." The United States Environmental Protection Agency.

29 "Faucet." A private lavatory faucet, residential kitchen
30 faucet, metering faucet, public lavatory faucet or replacement

1 accessories for a public lavatory faucet or a metering faucet.

2 "Gas fireplace." A decorative gas fireplace or heating gas
3 fireplace.

4 "Handheld showerhead." A showerhead that can be held or
5 fixed in place for the purpose of spraying water onto a bather
6 and that is connected to a flexible hose.

7 "Heating gas fireplace." A vented fireplace, including an
8 appliance that is freestanding, recessed, zero clearance or a
9 gas fireplace insert, that is fueled by natural gas or propane
10 and which is not a decorative fireplace.

11 "High color rendering index fluorescent lamp" or "high CRI
12 fluorescent lamp." A fluorescent lamp with a color rendering
13 index of 87 or greater that is not a compact fluorescent lamp.

14 "Hot and cold unit." A water cooler that emits both hot and
15 cold water. The term includes a cooler that emits room-
16 temperature water.

17 "Impact-resistant fluorescent lamp." A fluorescent lamp that
18 is not a compact fluorescent lamp that:

19 (1) has a coating or equivalent technology that is
20 compliant with NSF/ANSI 51 and is designed to contain the
21 glass if the glass envelope of the lamp is broken; and

22 (2) is designated and marketed for the intended
23 application with:

24 (i) the designation on the lamp packaging; and

25 (ii) marketing materials that identify the lamp as
26 being impact resistant, shatter resistant, shatter proof
27 or shatter protected.

28 "Metering faucet." A self-closing faucet that dispenses a
29 specific volume of water for each actuation cycle. For the
30 purpose of this definition, the volume or cycle duration can be

1 fixed or adjustable.

2 "On-demand." A method of heating water in a water cooler as
3 water is requested.

4 "Plumbing fixture." An exchangeable device that connects to
5 a plumbing system to deliver and drain away water and waste.

6 "Portable electric spa." A factory-built electric spa or hot
7 tub that is supplied with equipment for heating and circulating
8 water at the time of sale or sold separately for subsequent
9 attachment.

10 "Pressure regulator." A device that maintains constant
11 operating pressure immediately downstream from the device, given
12 higher pressure upstream.

13 "Public lavatory faucet." A fitting intended to be installed
14 in nonresidential bathrooms that are exposed to walk-in traffic.

15 "Replacement accessory." A component sold as a replacement,
16 separate from a faucet to which the component is meant to be
17 attached.

18 "Replacement aerator." An aerator sold as a replacement,
19 separate from the faucet to which the aerator is intended to be
20 attached.

21 "Residential ventilating fan." A ceiling-mounted or wall-
22 mounted fan or remotely mounted in-line fan designed to be used
23 in a bathroom or utility room, whose purpose is to move air from
24 inside the building to the outdoors.

25 "Showerhead." A component or set of components distributed
26 in commerce for attachment to a single supply fitting for
27 spraying water onto a bather, typically from an overhead
28 position. The term does not include a safety showerhead. The
29 term includes a handheld showerhead that can be held or fixed in
30 place for the purpose of spraying water onto a bather from a

1 flexible hose.

2 "Spray sprinkler body." The exterior case or shell of a
3 sprinkler incorporating a means of connection to the piping
4 system designed to convey water to a nozzle or orifice.

5 "Storage type." The storage of thermally conditioned water
6 in a reservoir in the water cooler that is available
7 instantaneously. The term includes point-of-use, dry storage
8 compartment and bottled water coolers.

9 "Trough-type urinal." A urinal designed for simultaneous use
10 by two or more individuals.

11 "Urinal." A plumbing fixture that receives only liquid body
12 waste and conveys the waste through a trap into a drainage
13 system.

14 "Water closet." A plumbing fixture having a water-containing
15 receptor that receives liquid and solid body waste through an
16 exposed integral trap into a drainage system. The term includes
17 a dual-flush water closet.

18 "Water cooler." A freestanding device that consumes energy
19 to cool or heat potable water.

20 "WaterSense." A partnership program by the United States
21 Environmental Protection Agency and independent, third-party
22 licensed certifying bodies that certify products for EPA
23 criteria for water efficiency and performance by following
24 testing and certification protocols specific to each product
25 category and bear the WaterSense label under 42 U.S.C. § 6294
26 (relating to labeling).

27 Section 4. Standards.

28 (a) Regulations.--Not later than one year after the
29 effective date of this subsection, the board shall promulgate
30 regulations, in accordance with the provisions of section 502 of

1 the act of June 28, 1995 (P.L.89, No.18), known as the
2 Conservation and Natural Resources Act, establishing minimum
3 efficiency standards for the types of new products listed in
4 section 2.

5 (b) Minimum standards.--The regulations shall provide for
6 the following minimum efficiency standards:

7 (1) Commercial dishwashers included in the scope of
8 version 3.0 of the EPA's "Energy Star Program Requirements
9 Product Specification for Commercial Dishwashers" shall meet
10 the qualification criteria of that specification.

11 (2) Commercial fryers included in the scope of version
12 2.0 of the EPA's "Energy Star Program Requirements Product
13 Specification for Commercial Fryers" shall meet the
14 qualification criteria of that specification.

15 (3) Commercial hot-food holding cabinets shall meet the
16 qualification criteria of version 2.0 of the EPA's "Energy
17 Star Program Requirements Product Specification for
18 Commercial Hot Food Holding Cabinets."

19 (4) Commercial ovens included in the scope of version
20 3.0 of the EPA's "Energy Star Program Requirements Product
21 Specification for Commercial Ovens" shall meet the
22 qualification criteria of that specification.

23 (5) Commercial steam cookers shall meet the requirements
24 of version 1.2 of the EPA's "Energy Star Program Requirements
25 Product Specification for Commercial Steam Cookers."

26 (6) Faucets, except for metering faucets, shall meet the
27 following standards when tested in accordance with 10 CFR Pt.
28 430 Appendix S to Subpt. B (relating to uniform test method
29 for measuring the water consumption of faucets and
30 showerheads):

1 (i) Private lavatory faucets and lavatory faucet
2 replacement accessories included in the scope of the
3 WaterSense specification for lavatory faucets, version
4 1.0, shall meet a maximum flow rate of 1.5 gallons per
5 minute and meet the performance criteria and other
6 certification criteria of that specification.

7 (ii) Residential kitchen faucets and replacement
8 aerators shall not exceed a maximum flow rate of 1.8
9 gallons per minute at 60 pounds per square inch, with
10 optional temporary flow of 2.2 gallons per minute,
11 provided that the faucets and aerators default to a
12 maximum flow rate of 1.8 gallons per minute at 60 pounds
13 per square inch after each use.

14 (iii) Public lavatory faucets and replacement
15 aerators may not exceed a maximum flow rate of 0.5
16 gallons per minute at 60 pounds per square inch.

17 (iv) Metering faucets shall not exceed a volumetric
18 measure of water of 0.20 gallons per activation cycle and
19 shall have no maximum flow rate, specified in gallons per
20 minute, when tested in accordance with Clause 5.4.2.3.1 B
21 of American Society of Mechanical Engineers A112.18.1/CSA
22 B125.1.

23 (7) Gas fireplaces shall comply with the following
24 requirements:

25 (i) Gas fireplaces shall be capable of automatically
26 extinguishing a pilot flame when the main gas burner
27 flame is extinguished.

28 (ii) Gas fireplaces shall prevent an ignition source
29 for the main gas burner flame from operating continuously
30 for more than seven days from last use of the main gas

1 burner.

2 (iii) Heating gas fireplaces shall have a fireplace
3 efficiency equal to or greater than 50% when tested in
4 accordance with CSA P.4.1:15, "Testing Method For
5 Measuring Fireplace Efficiency," as amended or revised.

6 (8) High CRI fluorescent lamps, cold-temperature
7 fluorescent lamps and impact-resistant fluorescent lamps
8 shall meet the minimum efficiency requirements contained in
9 10 CFR 430.32(n)(4) (relating to energy and water
10 conservation standards and their compliance dates) in effect
11 on January 1, 2023, as measured in accordance with 10 CFR Pt.
12 430 Appendix R to Subpt. B (relating to uniform test method
13 for measuring electrical and photometric characteristics of
14 general service fluorescent lamps, incandescent reflector
15 lamps, and general service incandescent lamps) in effect on
16 January 1, 2023.

17 (9) Portable electric spas shall meet the requirements
18 contained in ANSI/APSP/ICC-14-2019, the American National
19 Standard for Portable Electric Spa Energy Efficiency.

20 (10) In-line residential ventilating fans shall have a
21 fan motor efficacy of no less than 2.8 cubic feet per minute
22 per watt. All other residential ventilating fans shall have a
23 fan motor efficacy of no less than 1.4 cubic feet per minute
24 per watt for airflows less than 90 cubic feet per minute and
25 no less than 2.8 cubic feet per minute per watt for other
26 airflows when tested in accordance with Home Ventilating
27 Institute Publication 916 "HVI Airflow Test Procedure."

28 (11) Showerheads may not exceed a maximum flow rate of
29 1.8 gallons per minute at 80 pounds per square inch when
30 tested in accordance with 10 CFR Pt. 430 Appendix S to Subpt.

1 B in effect on January 1, 2023.

2 (12) Spray sprinkler bodies that are not specifically
3 excluded from the scope of version 1.0 of the EPA's
4 "WaterSense Specification for Spray Sprinkler Bodies," shall
5 include an integral pressure regulator and shall meet the
6 water efficiency and performance criteria and other
7 requirements of that specification.

8 (13) Urinals, other than trough-type urinals and those
9 designed and marketed exclusively for use at prisons or
10 mental health facilities, that are included within the scope
11 of the WaterSense specification for flushing urinals, version
12 1.0, shall meet a maximum flush volume of 0.5 gallons per
13 flush and meet the performance criteria and other
14 certification criteria of that specification.

15 (14) Water closets, other than those designed and
16 marketed exclusively for use at prisons or mental health
17 facilities, that are included within the scope of the
18 WaterSense specification for tank-type toilets, version 2.0
19 or the WaterSense specification for flushometer valve toilets
20 version 1.0, shall meet a maximum flush volume of 1.28
21 gallons per flush and meet the performance criteria and other
22 certification criteria of their respective specification.

23 (15) Water coolers included in the scope of the EPA's
24 version 2.0 "Energy Star Program Requirements Product
25 Specification for Water Coolers" shall have an on mode with
26 no water draw and energy consumption less than or equal to
27 the following values as measured in accordance with the test
28 requirements of that program:

29 (i) 0.16 kilowatt-hours per day for cold-only units
30 and cook and cold units;

1 (ii) 0.87 kilowatt-hours per day for storage type
2 hot and cold units; and
3 (iii) 0.18 kilowatt-hours per day for on-demand hot
4 and cold units.

5 Section 5. Implementation.

6 (a) Requirement of efficiency.--Except as provided in
7 subsection (b), on or after July 1, 2027, no new product listed
8 under section 2(c) may be sold or offered for sale, lease or
9 rent in this Commonwealth, unless the efficiency of the new
10 product meets or exceeds the efficiency standards provided in
11 section 4.

12 (b) Restriction on installation.--One year after the date on
13 which the sale or offering for sale of certain products becomes
14 subject to the requirements of subsection (a), no product listed
15 in section 2 may be installed for compensation in this
16 Commonwealth unless the efficiency of the new product meets or
17 exceeds the efficiency standards provided in section 4.

18 Section 6. Revised standards and regulations.

19 The board shall promulgate regulations as it deems necessary
20 to administer and enforce this act and to establish increased
21 efficiency standards for the products listed in section 2. In
22 considering the revised standards, the board shall set
23 efficiency standards on a determination that increased
24 efficiency standards would serve to promote energy or water
25 conservation in this Commonwealth and would be cost effective
26 for consumers who purchase and use the products, provided that
27 no increased efficiency standards shall become effective within
28 one year following the adoption of any amended regulations
29 establishing increased efficiency standards.

30 Section 7. Testing, certification, labeling and enforcement.

1 (a) Product testing.--The manufacturer of a product listed
2 in section 2 shall test samples of products in accordance with
3 the test procedures adopted under this act. The department may
4 adopt updated test methods when new versions of test procedures
5 become available.

6 (b) Compliance.--Manufacturers of new products listed in
7 section 2 shall certify to the department, or to an approved
8 third-party database as determined by the department, that the
9 products are in compliance with the provisions of this act.
10 Potential third-party databases include, but are not limited to,
11 the modernized appliance efficiency database system, the State
12 appliance standards database and the certified products
13 directory. The certifications shall be based on test results
14 under subsection (a). The board shall promulgate regulations
15 governing the certification of the products and shall coordinate
16 with the certification programs of other Federal and state
17 agencies with similar standards.

18 (c) Compliance mark, label or tag on product.--Manufacturers
19 of new products listed in section 2 shall identify each product
20 offered for sale or installation in this Commonwealth as in
21 compliance with the provisions of this act by means of a mark,
22 label or tag on the product or packaging at the time of sale or
23 installation. The board shall promulgate regulations governing
24 the identification of the products or packaging which shall be
25 coordinated to the greatest practical extent with the labeling
26 programs of other Federal and state agencies with equivalent
27 efficiency standards or specifications, including the Energy
28 Star Program and WaterSense. The department shall allow the use
29 of existing marks, labels or tags which connote compliance with
30 the efficiency requirements of this act.

1 (d) Department testing permitted.--The department may test
2 products listed in section 2. If tested products are found not
3 to be in compliance with the minimum efficiency standards
4 established under section 4, the department shall:

5 (1) charge the manufacturer of the product for the cost
6 of product purchase and testing; and

7 (2) make information available to the Attorney General
8 and the public on products found not to be in compliance with
9 the standards.

10 (e) Periodic inspections.--The department may cause periodic
11 inspections to be made of distributors or retailers of new
12 products listed in section 2 in order to determine compliance
13 with the provisions of this act.

14 (f) Complaint process.--The department shall investigate
15 complaints received concerning violations of this act and shall
16 report the results of the investigations to the Attorney
17 General. The Attorney General may institute proceedings to
18 enforce the provisions of this act. A manufacturer, distributor
19 or retailer, or a person who installs a product listed in
20 section 2 for compensation, who violates any provision of this
21 act shall be issued a warning by the department for any first
22 violation. A manufacturer, distributor or retailer, or a person
23 who violates the provisions of this act after the issuance of a
24 warning by the department for a first violation, shall be
25 subject to a civil penalty of up to \$100 for each offense.
26 Repeat violations shall be subject to a civil penalty of not
27 more than \$500 for each offense. Each violation shall constitute
28 a separate offense and each day the violation continues shall
29 constitute a separate offense. Penalties assessed under this
30 subsection are in addition to costs assessed under subsection

1 (d).

2 Section 8. Abrogation of regulations.

3 All regulations and parts of regulations are abrogated to the
4 extent of any inconsistency with the provisions of this act.

5 Section 9. Repeal.

6 All acts and parts of acts are repealed insofar as they are
7 inconsistent with the provisions of this act.

8 Section 10. Effective date.

9 This act shall take effect in 60 days.