
ENGROSSED SUBSTITUTE HOUSE BILL 2430

State of Washington

64th Legislature

2016 Regular Session

By House Agriculture & Natural Resources (originally sponsored by Representatives Stanford, Lytton, Tarleton, and Fitzgibbon)

READ FIRST TIME 01/29/16.

1 AN ACT Relating to preserving water resources for an array of
2 water supply needs, including irrigated agriculture, fish and
3 wildlife habitat, and municipal use, by updating water conservation
4 standards for appliances; amending RCW 90.54.180 and 19.27.170; and
5 creating a new section.

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

7 NEW SECTION. **Sec. 1.** The legislature finds that:

8 (1) Water is a finite resource, yet clean and plentiful water is
9 essential to both healthy communities and ecosystems. Making better
10 use of our existing water supplies will help ensure that more water
11 remains available for agriculture, instream flows and fish, homes and
12 businesses, and for other socially productive purposes;

13 (2) Plumbing fixtures, including faucets, showerheads, toilets,
14 and urinals, are a major year-round source of water use;

15 (3) Water-efficient plumbing fixtures perform as well or better
16 than standard models and save money on water and sewer bills for the
17 state's families, businesses, schools, and local governments;

18 (4) Besides saving water and reducing a customer's costs, water
19 efficiency offers other benefits:

20 (a) Substantial energy savings from more efficient faucets and
21 showerheads;

1 (b) Less wastewater that requires collection, treatment, and
2 disposal; and

3 (c) Less pollution from treated wastewater in our streams and
4 waterways;

5 (5) Current Washington codes adopt nationally recognized
6 performance and water efficiency standards by which plumbing fixtures
7 and fitting efficiencies are measured. While Washington has not
8 updated its water conservation standards since 1993, the current
9 state building and plumbing codes do include standards that apply to
10 defined types of plumbing fixtures "high efficiency toilet," "dual
11 flush toilet," and "single flush toilet"; and

12 (6) The state building code council adopts and maintains the
13 state building code and accordingly requires standards in terms of
14 performance and nationally accepted standards. The state building
15 code council regularly reviews updated versions of the model codes
16 that comprise the state building code, and adopts and amends the
17 state building code in a manner that is consistent with the state's
18 interests as prescribed by law.

19 **Sec. 2.** RCW 90.54.180 and 2007 c 445 s 9 are each amended to
20 read as follows:

21 Consistent with the fundamentals of water resource policy set
22 forth in this chapter, state and local governments, individuals,
23 corporations, groups and other entities shall be encouraged to carry
24 out water use efficiency and conservation programs and practices
25 consistent with the following:

26 (1) Water efficiency and conservation programs should utilize an
27 appropriate mix of economic incentives, cost share programs,
28 regulatory programs, and technical and public information efforts.
29 Programs which encourage voluntary participation are preferred.
30 Programs should also consider the water efficiency standards
31 established in RCW 19.27.170 and should prioritize gaps that are not
32 covered by state efficiency standards or rules and that possess
33 substantial potential for water conservation achievements.

34 (2) Increased water use efficiency and reclaimed water should
35 receive consideration as a potential source of water in state and
36 local water resource planning processes. In determining the cost-
37 effectiveness of alternative water sources, consideration should be
38 given to the benefits of conservation, waste water recycling, and
39 impoundment of waters. Where reclaimed water is a feasible

1 replacement source of water, it shall be used by state agencies and
2 state facilities for nonpotable water uses in lieu of the use of
3 potable water. For purposes of this requirement, feasible replacement
4 source means (a) the reclaimed water is of adequate quality and
5 quantity for the proposed use; (b) the proposed use is approved by
6 the departments of ecology and health; (c) the reclaimed water can be
7 reliably supplied by a local public agency or public water system;
8 and (d) the cost of the reclaimed water is reasonable relative to the
9 costs of conservation or other potentially available supplies of
10 potable water, after taking into account all costs and benefits,
11 including environmental costs and benefits.

12 (3) In determining the cost-effectiveness of alternative water
13 sources, full consideration should be given to the benefits of
14 storage which can reduce the damage to stream banks and property,
15 increase the utilization of land, provide water for municipal,
16 industrial, agricultural, and other beneficial uses, provide for the
17 generation of electric power from renewable resources, and improve
18 streamflow regimes for fishery and other instream uses.

19 (4) Entities receiving state financial assistance for
20 construction of water source expansion or acquisition of new sources
21 shall develop, and implement if cost-effective, a water use
22 efficiency and conservation element of a water supply plan pursuant
23 to RCW 43.20.230(1).

24 (5) State programs to improve water use efficiency should focus
25 on those areas of the state in which water is overappropriated; areas
26 that experience diminished streamflows or aquifer levels; regional
27 areas that the governor has identified as high priority for
28 investments in improved water quality and quantity, including the
29 Spokane river, the Columbia river basin, and the Puget Sound; areas
30 most likely to be affected by global warming; and areas where
31 projected water needs, including those for instream flows, exceed
32 available supplies.

33 (6) Existing and future generations of citizens of the state of
34 Washington should be made aware of the importance of the state's
35 water resources and the need for wise and efficient use and
36 development of this vital resource. In order to increase this
37 awareness, state agencies should integrate public information
38 programs on increasing water use efficiency into existing public
39 information efforts. This effort shall be coordinated with other
40 levels of government, including local governments and Indian tribes.

1 **Sec. 3.** RCW 19.27.170 and 1991 c 347 s 16 are each amended to
2 read as follows:

3 (1) The state building code council shall adopt rules under
4 chapter 34.05 RCW, not later than during the 2018 code adoption
5 period and to become effective by no later than July 1, 2019, that
6 implement and incorporate the water conservation performance
7 standards in this subsection and subsections (4) and (5) of this
8 section. These standards shall apply to all new construction and all
9 remodeling involving replacement of plumbing fixtures in all
10 residential, hotel, motel, school, industrial, commercial use, or
11 other occupancies determined by the council to use significant
12 quantities of water.

13 ~~(2) ((The legislature recognizes that a phasing-in approach to~~
14 ~~these new standards is appropriate. Therefore, standards in~~
15 ~~subsection (4) of this section shall take effect on July 1, 1990. The~~
16 ~~standards in subsection (5) of this section shall take effect July 1,~~
17 ~~1993.))~~ By July 1, 2018, all fixtures, fittings, and toilets sold,
18 offered for sale, or distributed in the state shall meet the
19 requirements of subsection (4) of this section, except the following:

20 (a) Toilets used by children in day care facilities;

21 (b) Toilets used in bariatric applications;

22 (c) Toilets used in a correctional facility as defined in RCW
23 72.09.015 and juvenile confinement facilities pursuant to RCW
24 13.04.030; and

25 (d) Toilets used in any state hospital established under RCW
26 72.23.020, any psychiatric unit of a hospital licensed under chapter
27 70.41 RCW, any licensed service provider licensed under chapter 71.24
28 RCW, or any evaluation and treatment facility as defined in RCW
29 71.05.020.

30 (3)(a) No individual, public or private corporation, firm,
31 political subdivision, government agency, or other legal entity may,
32 for purposes of use in this state, distribute, sell, offer for sale,
33 import, install, or approve for installation any plumbing fixtures
34 unless the fixtures meet the standards as provided for in this
35 section.

36 (b) If a retailer is able to show proof that a product prohibited
37 for sale under this subsection was in stock and physically in the
38 retail location before the effective date of this section, that
39 retail location may sell that product until it is depleted, or until
40 January 1, 2019.

1 (4)(a) Standards for water use efficiency effective by no later
2 than July 1, ~~((1990))~~ 2019.

3 ~~((+a))~~ (i) Standards for waterclosets. The ~~((guideline))~~
4 requirement for maximum water use allowed in gallons per flush (gpf)
5 for any of the following waterclosets is the following:
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Tank-type toilets	((3.5)) <u>1.28</u> gpf.
Flushometer ((-valve)) <u>nontank</u> toilets	((3.5)) <u>1.6</u> gpf.
((Flushometer-tank toilets ..	<u>3.5</u> gpf.
Electromechanical hydraulic toilets ..	<u>3.5</u> gpf.))

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14 ~~((+b))~~ (ii) Standard for urinals. The ~~((guideline))~~ requirement
15 for maximum water use allowed for any urinal is ~~((3.0))~~ 0.5 gallons
16 per flush.

17 ~~((+c))~~ (iii) Standard for showerheads. The guideline for maximum
18 water use allowed for any showerhead is ~~((3.0))~~ 2.5 gallons per
19 minute.

20 ~~((+d))~~ (iv) Standard for faucets. The ~~((guideline))~~ requirement
21 for maximum water use allowed in gallons per minute (gpm) for any of
22 the following faucets and replacement aerators is the following:

((Bathroom)) <u>Lavatory</u> faucets	((3.0)) <u>1.2</u> gpm.
<u>Public lavatory faucets other</u> <u>than metered</u>	((3.0)) <u>0.5</u> gpm.
Kitchen faucets	((3.0)) <u>2.2</u> gpm.
Replacement aerators	((3.0)) <u>2.2</u> gpm.

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31 ~~((+e))~~ (v) Except where designed and installed for use by ~~((the~~
32 physically handicapped)) individuals with disabilities, lavatory
33 faucets located in restrooms intended for use by the general public
34 must be equipped with a metering valve designed to close by spring or
35 water pressure when left unattended (self-closing). Metered faucets
36 must deliver a maximum of 0.26 gallons per cycle.

1 ~~((f))~~ (vi) No urinal or watercloset that operates on a
2 continuous flow or continuous flush basis shall be permitted.

3 **(b) The water efficiency standards adopted pursuant to this**
4 **subsection (4) do not apply to alternative technologies that do not**
5 **rely on water flushing in order to function, including incineration**
6 **toilets or composting toilets.**

7 (5) Standards for water use efficiency effective July 1, ~~((1993))~~
8 **2022.**

9 ~~((a))~~ Standards for waterclosets. The ~~((guideline))~~ **requirement**
10 for maximum water use allowed in gallons per flush (gpf) for any of
11 the following waterclosets is the following:

((Tank-type toilets . . .	1.6 gpf.)
Flushometer ((-tank)) toilets	((1.6)) 1.28 gpf.
((Electromechanical hydraulic toilets . . .	1.6 gpf.

16 ~~(b) Standards for urinals. The guideline for maximum water use~~
17 ~~allowed for any urinal is 1.0 gallons per flush.~~

18 ~~(c) Standards for showerheads. The guideline for maximum water~~
19 ~~use allowed for any showerhead is 2.5 gallons per minute.~~

20 ~~(d) Standards for faucets. The guideline for maximum water use~~
21 ~~allowed in gallons per minute for any of the following faucets and~~
22 ~~replacement aerators is the following:~~

Bathroom faucets . . .	2.5 gpm.
Lavatory faucets . . .	2.5 gpm.
Kitchen faucets . . .	2.5 gpm.
Replacement aerators . . .	2.5 gpm.

27 ~~(e) Except where designed and installed for use by the~~
28 ~~physically handicapped, lavatory faucets located in restrooms~~
29 ~~intended for use by the general public must be equipped with a~~
30 ~~metering valve designed to close by water pressure when unattended~~
31 ~~(self-closing).~~

32 ~~(f) No urinal or watercloset that operates on a continuous flow~~
33 ~~or continuous basis shall be permitted.)~~

34 (6) The building code council shall ~~((establish methods and~~
35 ~~procedures for testing and identifying fixtures that meet the~~
36 ~~standards established in subsection (5) of this section. The council~~
37 ~~shall use the testing standards designated as American national~~

1 standards, written under American national standards institute
2 procedures or other widely recognized national testing standards. The
3 council shall either review test results from independent testing
4 laboratories that are submitted by manufacturers of plumbing fixtures
5 or accept data submitted to and evaluated by the international
6 association of plumbing and mechanical officials. The council shall
7 publish and widely distribute a current list of fixtures that meet
8 the standards established in subsection (5) of this section.

9 ~~(7) The building code council shall adopt rules for marking and~~
10 ~~labeling fixtures meeting the standards established in subsection (5)~~
11 ~~of this section.~~

12 ~~(8) This section shall not apply to fixtures installed before~~
13 ~~July 28, 1991, that are removed and relocated to another room or area~~
14 ~~of the same building after July 28, 1991, nor shall it apply to~~
15 ~~fixtures, as determined by the council, that in order to perform a~~
16 ~~specialized function, cannot meet the standards specified in this~~
17 ~~section)) recognize conformity assessment bodies conforming to~~
18 ~~ISO/IEC 17065 requirements for bodies certifying products, processes,~~
19 ~~and services for the testing and listing of fixtures and fittings as~~
20 ~~adopted in the state building code and the standards as established~~
21 ~~in subsections (1), (4), and (5) of this section.~~

22 ~~((+9))~~ (7) The water conservation performance standards shall
23 supersede all local government codes. After ~~((July 1, 1990))~~ the rule
24 effective date established in subsection (1) of this section, cities,
25 towns, and counties shall not amend the code revisions and standards
26 established under subsection (4) or (5) of this section.

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