

B.C. Energy Efficiency Act (EEA) Standards for Dishwashers and Clothes Washers

What is B.C. regulating?

B.C. is updating its regulation on household dishwashers and clothes washers.

Are you forcing me to replace my dishwasher or clothes washer?

No. The regulation applies to voluntary purchases of new or replacement dish washers and clothes washers. Individuals can keep their existing appliances for as long as they wish.

What energy efficiency requirements must be met?

Dishwashers – as of June 1st, 2015:

| Product Class | Estimated Annual Energy Use (kWh/yr) | Water Consumption (gal/cycle) |
|---------------------------------------|---|--------------------------------------|
| Standard (Capacity =8 place settings) | ≤307 | ≤5.0 |
| Compact (Capacity <8 place settings) | ≤222 | ≤3.5 |

Clothes Washers (Tier 1) – as of June 1st, 2015:

| Product Class | Integrated Modified Energy Factor (ft³/kWh/cycle) | Integrated Water Factor (gal/cycle/ft³) |
|---|---|---|
| | <i>(minimum values)</i> | <i>(maximum values)</i> |
| Top-loading, Compact (less than 1.6 ft ³ capacity) | 0.86 | 14.4 |
| Top-loading, Standard (1.6 ft ³ or greater capacity) | 1.29 | 8.4 |
| Front-loading, Compact (less than 1.6 ft ³ capacity) | 1.13 | 8.3 |
| Front-loading, Standard (1.6 ft ³ or greater capacity) | 1.84 | 4.7 |

Clothes Washers (Tier 2) – as of January 1st, 2018:

| Product Class | Integrated Modified Energy Factor (ft³/kWh/cycle) | Integrated Water Factor (gal/cycle/ft³) |
|---|---|---|
| | <i>(minimum values)</i> | <i>(maximum values)</i> |
| Top-loading, Compact (less than 1.6 ft ³ capacity) | 1.15 | 12.0 |
| Top-loading, Standard (1.6 ft ³ or greater capacity) | 1.57 | 6.5 |
| Front-loading, Compact (less than 1.6 ft ³ capacity) | 1.13 | 8.3 |
| Front-loading, Standard (1.6 ft ³ or greater capacity) | 1.84 | 4.7 |

When does the regulation take effect?

The regulation effective date for dishwashers and clothes washers (Tier 1) is **June 1st, 2015**. The Tier 2 clothes washer regulation takes effect on **January 1st, 2018**.

Does the regulation apply to products manufactured before the effective date?

Products manufactured after the effective date are required to comply with the new regulation. Products that are manufactured on or before the effective date need not comply with the new regulation.

Can I sell my inventory of non-compliant products after the effective date?

Any products manufactured after the effective date must comply with the regulation. If you have unsold inventory of products manufactured on or before the effective date, they can still be sold legally in B.C. after the effective date.

I am shopping for a dishwasher or clothes washer. How will I know if the appliance I am buying is compliant?

The Canadian federal government maintains a database of dishwashers and clothes washers that are:

- (1) Manufactured in Canada and shipped across provincial borders for sale or lease, and
- (2) Imported into Canada for sale or lease.

Search the database at <http://oe.nrcan.gc.ca/pml-lmp/index.cfm?action=app.welcome-bienvenue> to verify the energy performance metrics comply with the tables above.

Who enforces this regulation?

The Ministry of Energy and Mines is responsible for enforcing all regulated standards under the *EEA*.

What are the penalties for non-compliance?

Under the *EEA*, the Ministry can conduct inspections to verify compliance with the *Act* and regulations. *EEA* enforcement begins with education and voluntary compliance measures. Ministry staff follow up on all complaints and other information respecting non-compliance, and communicate directly with industry participants to develop a compliance plan. The Ministry can also seek to have those who have contravened the legislation charged under the *Offence Act*.

What do I do if I see a non-compliant product for sale or distribution?

Please circulate this information bulletin to the retailer or distributor. You can also report infractions to ministry staff at energy.efficiency@gov.bc.ca

My company manufactures dish washers and clothes washers. Do I have to test my products with the CSA standard if they already demonstrate compliance with the US DOE regulation?

Dishwashers that comply with the United States 10 CFR 430.32(f)(2) are considered to be compliant with

the B.C. regulation as the two standards are identical. Likewise, clothes washers that comply with the United States 10 CFR 430.32(g) are considered compliant with the B.C. regulation. They would not need to be tested again with the CSA test methodology.

What are the applicable testing methods?

CAN/CSA C373-14: *Energy performance and water consumption of household dishwashers*; and
CAN/CSA C360-13: *Energy performance, water consumption and capacity of household clothes washers*.

Where can I test and verify my products' energy performance?

Testing and verification must be performed by Certification Organizations accredited by the Standards Council of Canada.

For more information on B.C.'s Energy Efficiency Act:

<http://www.empr.gov.bc.ca/EEC/Strategy/EEA/Pages/default.aspx>