
A BILL FOR AN ACT

RELATING TO CERTIFICATION OF GAS TANKLESS WATER HEATERS.

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

1 SECTION 1. The legislature finds that certification
2 requirements for the gas tankless, on-demand water heater option
3 for a solar water heating system waiver application must be
4 revised to be more accurate. For quality assurance, the gas
5 tankless, on-demand water heaters should be certified by a North
6 American certification organization.

7 SECTION 2. Section 196-6.5, Hawaii Revised Statutes, is
8 amended by amending subsection (a) to read as follows:

9 "(a) On or after January 1, 2010, no building permit shall
10 be issued for a new single-family dwelling that does not include
11 a solar water heater system that meets the standards established
12 pursuant to section 269-44, unless the coordinator approves a
13 variance. A variance application shall only be accepted if
14 submitted by an architect or mechanical engineer licensed under
15 chapter 464, who attests that:

16 (1) Installation is impracticable due to poor solar
17 resource;

- 1 (2) Installation is cost-prohibitive based upon a life
2 cycle cost-benefit analysis that incorporates the
3 average residential utility bill and the cost of the
4 new solar water heater system with a life cycle that
5 does not exceed fifteen years;
- 6 (3) A renewable energy technology system, as defined in
7 section 235-12.5, is substituted for use as the
8 primary energy source for heating water; or
- 9 (4) A demand water heater device [~~approved by Underwriters~~
10 ~~Laboratories, Inc.,~~] is installed; provided that at
11 least one other gas appliance is installed in the
12 dwelling. For the purposes of this paragraph, "demand
13 water heater" means a [~~gas-tankless~~] gas tankless
14 instantaneous water heater that provides hot water
15 only as it is needed. The demand water heater shall
16 be approved by a North American certification
17 organization, which shall include the Canadian
18 Standards Association International; the Air-
19 Conditioning, Heating, and Refrigeration Institute;
20 Gas Appliance Manufacturers Association; and any other
21 similar organizations that are nationally or
22 internationally recognized, independent, nonprofit

1 organizations active and dedicated to products
2 standards development and testing and certification."

3 SECTION 3. Statutory material to be repealed is bracketed
4 and stricken. New statutory material is underscored.

5 SECTION 4. This Act, upon its approval, shall take effect
6 on July 1, 2014.

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INTRODUCED BY:  _____

9

BY REQUEST

JAN 21 2014

H.B. NO. 2252

Report Title:

Solar Water Heating Variances

Description:

Requires certification of gas tankless on-demand water heaters from a North American certification organization to include the Canadian Standards Association International; the Air-Conditioning, Heating, and Refrigeration Institute; or the Gas Appliance Manufacturers Association Certification Program, which list certified products and models. Effective July 1, 2014.

The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.

JUSTIFICATION SHEET

DEPARTMENT: Business, Economic Development, and Tourism

TITLE: A BILL FOR AN ACT RELATING TO CERTIFICATION OF GAS TANKLESS WATER HEATERS.

PURPOSE: To identify the appropriate organizations that can certify gas tankless on-demand water heaters for a variance from the mandatory solar water heating requirement for single-family dwellings.

MEANS: Amend section 196-6.5(a), Hawaii Revised Statutes.

JUSTIFICATION: Underwriters Laboratories, Inc., lists manufacturers but not the specific product or model numbers of the gas tankless water heaters. By deleting reference to the Underwriters Laboratories, Inc., and inserting references to a North American certification organizations to include the Canadian Standards Association International; the Air-Conditioning, Heating, and Refrigeration Institute; the Gas Appliance Manufacturers Association; and any other similar organizations, this amendment more accurately assures that gas tankless water heaters still meet performance requirements recognized by a third party certification organization.

Impact on the public: Will allow the public to check with appropriate organizations when purchasing gas tankless water heaters.

Impact on the department and other agencies: Brings department in conformance with certification requirements.

GENERAL FUND: None.

OTHER FUNDS: None.

PPBS PROGRAM

DESIGNATION: BED 120.

OTHER AFFECTED

AGENCIES: None.

EFFECTIVE DATE: July 1, 2014.