
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 and non-gas tankless, on-
3 demand water heater options for a solar water heating system
4 waiver application must be revised to be more accurate. For
5 quality assurance, the gas tankless and non-gas tankless, on-
6 demand water heaters should be certified by a North American
7 certification organization.

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

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

17 (1) Installation is impracticable due to poor solar
18 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 if
11 the demand water heater device is a gas tankless
12 instantaneous water heater, then at least one other
13 gas appliance is installed in the dwelling. For the
14 purposes of this paragraph, "demand water heater"
15 means a [~~gas-tankless~~] gas tankless or non-gas
16 tankless instantaneous water heater that provides hot
17 water only as it is needed. The demand water heater
18 shall be approved by a North American certification
19 organization, which shall include the Canadian
20 Standards Association International; the Air-
21 Conditioning, Heating, and Refrigeration Institute;
22 Gas Appliance Manufacturers Association; and any other



1 similar organizations that are nationally or
2 internationally recognized, independent, nonprofit
3 organizations active and dedicated to products
4 standards development and testing and certification."

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 Statutory material to be repealed is bracketed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

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



Report Title:

Solar Water Heating Variances

Description:

Requires certification of gas tankless and non-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. (SB2801 HD1 PROPOSED)

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