
A BILL FOR AN ACT

RELATING TO ENERGY.

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

SECTION 1. Section 196-6.5, Hawaii Revised Statutes, is amended by amending its title and subsection (a) to read as follows:

"§196-6.5 [~~Solar water~~] Water heater system [~~required~~] requirements for new single-family residential construction.

(a) On or after January 1, 2010, no building permit shall be issued for a new single-family dwelling that does not include a solar water heater system that meets the standards established pursuant to section 269-44[~~7~~] or an ENERGY STAR certified heat pump water heater, unless the chief energy officer of the Hawaii state energy office approves a variance. A variance application shall only be accepted if submitted by an architect or mechanical engineer licensed under chapter 464, who attests that:

- (1) [~~Installation~~] For a solar water heater system, installation is impracticable due to poor solar resource[~~7~~] and for a heat pump water heater,



1 installation is impracticable due to interior or
2 exterior space constraints;

3 (2) Installation of either a solar water heater system or
4 a heat pump water heater is cost-prohibitive based
5 upon a life cycle cost-benefit analysis that
6 incorporates the average residential utility bill and
7 the cost of the new solar water heater system [~~with a~~
8 ~~life cycle that does not exceed fifteen years;~~] or new
9 heat pump water heater;

10 (3) A renewable energy technology system, as defined in
11 section 235-12.5, is substituted for use as the
12 primary energy source for heating water; or

13 (4) [A] An ENERGY STAR certified demand water heater
14 device [~~approved by Underwriters Laboratories, Inc.,~~]
15 is installed; provided that at least one other gas
16 appliance is installed in the dwelling[~~-~~] and a life
17 cycle cost-benefit analysis justifies the variance.

18 For the purposes of this paragraph, "demand water
19 heater" means a gas-tankless instantaneous water
20 heater that provides hot water only as it is needed.



1 For the purposes of this subsection, "heat pump water
2 heater" means a water heater that uses electricity to move heat
3 from one place to another instead of generating heat directly."

4 SECTION 2. This Act does not affect rights and duties that
5 matured, penalties that were incurred, and proceedings that were
6 begun before its effective date.

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 Statutory material to be repealed is bracketed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

9 SECTION 4. This Act shall take effect on July 1, 3000.



Report Title:

Energy; Water Heater System Requirements; Variance

Description:

Expands the types of water heater systems that may satisfy the relevant requirement for the issuance of a building permit for new single-family dwellings to include ENERGY STAR certified heat pump water heaters. Effective 7/1/3000. (HD1)

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