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# A BILL FOR AN ACT

RELATING TO ENERGY.

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

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

4       "~~§196-6.5~~   ~~[Solar water]~~ Water heater system ~~[required]~~  
5 requirements for new single-family residential construction.

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

15       (1)   ~~[Installation]~~ For a solar water heater system,  
16             installation is impracticable due to poor solar  
17             resource~~[,]~~ 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" means a  
2        device that uses electricity to move heat from one place to  
3        another."

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; Heat Pump Water Heaters; 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. (HD2)

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

