

JAN 26 2011

A BILL FOR AN ACT

RELATING TO ENERGY.

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

1 SECTION 1. The legislature finds that, despite Hawaii's
2 unique advantage in consistent access to alternative energy
3 sources such as solar, wind, and geothermal power, the State
4 remains about ninety per cent dependent on imported fossil
5 fuels. State facilities, including public schools, are major
6 consumers of resources such as water and electricity.

7 The purpose of this Act is to require the department of
8 education to incorporate alternative energy use designs into the
9 construction of and major renovations to public schools in the
10 State.

11 SECTION 2. Chapter 196, part II, Hawaii Revised Statutes,
12 is amended by adding a new section to be appropriately
13 designated and to read as follows:

14 "§196- State facility construction and renovation;
15 alternative energy design requirement. Each state department
16 with responsibilities for the design and construction of public
17 buildings and facilities shall implement alternative energy
18 designs for the construction of all new state facilities and



1 state facility renovations exceeding \$1,000,000 for which the
2 planning and design of the project begins on or after July 1,
3 2011. Alternative energy use in newly constructed or renovated
4 state facilities under this section shall generate a minimum of
5 ten per cent of the building's total energy consumption.

6 For purposes of this section, "alternative energy designs"
7 means building plans that use geothermal, solar, wind, ocean
8 power, or biomass and solid waste energy as the dominant sources
9 of energy generation for the building or facility."

10 SECTION 3. Chapter 302A, part VI, Hawaii Revised Statutes,
11 is amended by adding a new section to be appropriately
12 designated and to read as follows:

13 "§302A- School construction and renovation; alternative
14 energy design requirement. The department shall implement
15 alternative energy designs for the construction of all new
16 school buildings and school renovations exceeding \$1,000,000 for
17 which the planning and design of the project begins on or after
18 July 1, 2011. Alternative energy use in newly constructed or
19 renovated school buildings under this section shall generate a
20 minimum of ten per cent of the building's total energy
21 consumption.



1 For purposes of this section, "alternative energy designs"
2 means building plans that use geothermal, solar, wind, ocean
3 power, or biomass and solid waste energy as the dominant sources
4 of energy generation for the building or facility."

5 SECTION 4. Section 36-35, Hawaii Revised Statutes, is
6 amended by amending subsection (f) to read as follows:

7 "(f) The superintendent of education shall ensure that all
8 repair and maintenance projects achieve maximum cost-efficiency
9 by emphasizing functional or performance criteria, conformance
10 to alternative energy design requirements under section 302A- ,
11 uniformity of design, and commonality of products, and by
12 avoiding unique or custom requirements that increase long-term
13 costs. The superintendent of education shall develop project
14 specifications based on generic specifications or prescriptive
15 specifications using standard commercial products. Prescriptive
16 specifications may include a qualified product list.

17 For the purposes of this subsection:

18 "Generic specification" means a technical specification
19 that is written in a clear, unambiguous, and nonrestrictive
20 manner establishing:

- 21 (1) Design, performance, or functional requirements to
22 identify the work to be performed; and



1 (2) Material standards to be used on a project.

2 "Prescriptive specification" means a technical
3 specification:

4 (1) Establishing that the required work to be performed is
5 written in a clear, unambiguous, and nonrestrictive
6 manner; and

7 (2) Listing manufacturers or products that are acceptable
8 for use on the project.

9 "Standard commercial product" means a product or material
10 that in the normal course of business is customarily maintained
11 in stock by, or readily available for marketing from a
12 manufacturer, distributor, or dealer.

13 This subsection shall not apply to any school facility
14 designated a historic property pursuant to section 6E-5.5."

15 SECTION 5. New statutory material is underscored.

16 SECTION 6. This Act shall take effect upon its approval.

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Report Title:

Schools; State Facilities; Alternative Energy Design

Description:

Requires the incorporation of alternative energy designs into construction of, and major renovations to, schools and state facilities for which planning begins on or after 7/1/11.

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