

JAN 18 2008

---

---

# A BILL FOR AN ACT

RELATING TO PUBLIC SCHOOL FACILITIES.

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

1           SECTION 1. The legislature finds that it is the State's  
2 duty to provide a proper environment that is conducive to  
3 learning for its public school students. However, although  
4 Hawaii has a tropical climate, many of its public school  
5 facilities are not equipped with air conditioning systems or  
6 other suitable temperature reduction plans or methodologies.  
7 Hawaii's climate can produce heated classroom environments that  
8 are unbearable and that can hinder a child's academic abilities.  
9           The legislature further finds that the increasing cost of  
10 oil and the growing demand for electricity make the promotion of  
11 energy efficiency and renewable energy technology an important  
12 conservation initiative. Currently, state law requires the  
13 State to establish policies designed to increase energy self-  
14 sufficiency and energy security, including the use of renewable  
15 energy resources. Fortunately, Hawaii is blessed with an  
16 abundance of renewable energy resources including wind,



1 photovoltaic, hydropower, geothermal energy, ocean thermal  
2 energy conversion, and wave energy resources.

3       The purpose of this Act is to require the department of  
4 education to develop a plan to implement temperature reduction  
5 measures in public school facilities within the State, which  
6 also incorporates energy conservation initiatives.

7       SECTION 2. (a) Notwithstanding section 302A-1501, Hawaii  
8 Revised Statutes, the department of education shall develop a  
9 plan to provide for temperature reduction measures, which  
10 incorporates energy conservation initiatives, in public school  
11 facilities within the State. The plan shall contemplate a  
12 budget of \$200,000,000 over the next ten years and shall include  
13 analyses of and recommendations on the incorporation of some or  
14 all of the following:

15       (1) The utilization of temperature reduction measures,  
16           which may include air conditioning, tinted glass for  
17           windows, thicker insulation, reflective roofing, trees  
18           or other vegetation for shade, and wooden versus glass  
19           or aluminum louvers;

20       (2) The incorporation of energy conservation initiatives  
21           throughout public school facilities;



1           (3) The use of wind, photovoltaic, hydropower, geothermal  
2           energy, ocean thermal energy conversion, and wave  
3           energy technologies;

4           (4) The creation of incentives for schools to reduce  
5           electrical energy consumption or costs, or both,  
6           including returning up to fifty per cent of the  
7           savings at each school to the school for its own use;

8           (5) The development of long-term plans to reduce usage or  
9           costs, or both, related to electricity, gas, and  
10          water, including the construction of new  
11          infrastructures;

12          (6) The establishment of energy reduction usage or cost  
13          goals, or both, for all public school facilities and  
14          timelines for attaining those goals; and

15          (7) Providing for the implementation of energy efficient  
16          lights, appliances, or other fixtures in all public  
17          school facilities.

18          (b) The department of education shall contract with a  
19          private engineering firm, or any other appropriate entity, to  
20          assist in the development of the plan for providing temperature  
21          reduction measures, which incorporates energy conservation  
22          initiatives and other objectives, as enumerated in subsection



1 (a), in public school facilities. The energy, resources, and  
2 technology division of the department of business, economic  
3 development, and tourism shall provide assistance to the  
4 department of education in the development of the plan.

5 (c) The department of education shall submit a report on  
6 the status of the plan to the legislature no later than twenty  
7 days prior to the convening of the regular session of 2009, and  
8 shall submit a final report and the plan to the legislature no  
9 later than twenty days prior to the convening of the regular  
10 session of 2010.

11 SECTION 3. The director of finance is authorized to issue  
12 general obligation bonds in the sum of \$20,000,000 or so much  
13 thereof as may be necessary and the same sum or so much thereof  
14 as may be necessary is appropriated for fiscal year 2008-2009  
15 for the department of education to develop and initiate  
16 implementation of a plan to provide temperature reduction  
17 measures in public school facilities within the State that  
18 incorporates energy conservation initiatives and addresses the  
19 objectives enumerated in this Act.

20 SECTION 4. The appropriation made for the capital  
21 improvement project authorized by this Act shall not lapse at  
22 the end of the fiscal biennium for which the appropriation is



1 made; provided that all moneys from the appropriation  
2 unencumbered as of June 30, 2010, shall lapse as of that date.

3 SECTION 5. The sum appropriated shall be expended by the  
4 department of education for the purposes of this Act.

5 SECTION 6. This Act shall take effect upon its approval;  
6 provided that section 3 shall take effect on July 1, 2008.

7

INTRODUCED BY:

Norma Sakuma

Erzanne Chun Oakland

Jim

S. S. T. L.

V. S. D. J. L.

Clarence K. Washburn

Ray L. Hoover



**Report Title:**

DOE; Public School Facilities; Temperature Reduction Measures;  
GO Bonds; Appropriation

**Description:**

Authorizes the issuance of general obligation bonds and appropriates funds to the department of education to develop a plan to provide temperature reduction measures which incorporates energy conservation initiatives, in public school facilities.

