
A BILL FOR AN ACT

RELATING TO PUBLIC SCHOOL FACILITIES.

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

1 SECTION 1. It is the State's duty to provide a proper
2 environment that is conducive to learning for its public school
3 students. However, although Hawaii has a tropical climate, many
4 of its public school facilities are not equipped with air
5 conditioning systems or other suitable temperature reduction
6 plans or methodologies. Hawaii's climate can produce heated
7 classroom environments that are unbearable and that can hinder a
8 child's academic abilities.

9 The increasing cost of oil and the growing demand for
10 electricity make the promotion of energy efficiency and
11 renewable energy technology an important conservation
12 initiative. Currently, state law requires the State to
13 establish policies designed to increase energy self-sufficiency
14 and energy security, including the use of renewable energy
15 resources. Hawaii is blessed with an abundance of renewable
16 energy resources including wind, photovoltaic, hydropower,



1 geothermal energy, ocean thermal energy conversion, and wave
2 energy.

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 in public
10 school facilities within the State, which incorporates energy
11 conservation initiatives. The plan shall contemplate a budget
12 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 (4) 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 (5) 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 in public school facilities, which
22 incorporates energy conservation initiatives and other



1 objectives, as enumerated in subsection (a). The energy,
2 resources, and technology division of the department of
3 business, economic development, and tourism shall provide any
4 necessary assistance to the department of education in the
5 development of the plan.

6 (c) The department of education shall submit a report on
7 the status of the plan to the legislature no later than twenty
8 days prior to the convening of the 2008 regular session, and
9 shall submit a final report and the plan to the legislature no
10 later than twenty days prior to the convening of the 2009
11 regular session.

12 SECTION 3. The director of finance is authorized to issue
13 general obligation bonds in the sum of \$20,000,000, or so much
14 thereof as may be necessary, and the same sum, or so much
15 thereof as may be necessary, is appropriated for fiscal years
16 2007-2008, and 2008-2009, for the department of education to
17 develop and initiate implementation of a plan to provide
18 temperature reduction measures in public school facilities
19 within the State that incorporates energy conservation
20 initiatives and addresses the objectives enumerated in this Act.

21 The sums appropriated shall be expended by the department
22 of education for the purposes of this Act.



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2 of education for the purposes of this Act.

3 SECTION 4. The appropriation made for the capital
4 improvement project authorized by this Act shall not lapse at
5 the end of the fiscal biennium for which the appropriation is
6 made; provided that all moneys from the appropriation
7 unencumbered as of June 30, 2010, shall lapse as of that date.

8 SECTION 5. This Act shall take effect upon its approval;
9 provided that section 3 shall take effect on July 1, 2007.



Report Title:

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 in public school facilities, which incorporates energy conservation initiatives.
(SD1)

