
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, including
6 charter schools, which also incorporates energy conservation
7 initiatives.

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

- 16 (1) The utilization of temperature reduction measures,
17 which may include air conditioning, tinted glass for
18 windows, thicker insulation, reflective roofing, trees
19 or other vegetation for shade, and wooden versus glass
20 or aluminum louvers;
- 21 (2) The incorporation of energy conservation initiatives
22 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,
14 including charter schools, and timelines for attaining
15 those goals; and

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

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

1 initiatives and other objectives, as enumerated in subsection
2 (a), in public school facilities. The energy, resources, and
3 technology division of the department of business, economic
4 development, and tourism shall provide assistance to the
5 department of education in the 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 regular session of 2009, 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 regular
11 session of 2010.

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 thereof
15 as may be necessary is appropriated for fiscal year 2008-2009
16 for the department of education to develop and initiate
17 implementation of a plan to provide temperature reduction
18 measures in public school facilities within the State,
19 including charter schools, that incorporates energy
20 conservation initiatives and addresses the objectives enumerated
21 in this Act.



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

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

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



Report Title:

DOE; Public School Facilities; Charter Schools; 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, including charter schools. (SD1)

