

JAN 23 2009

A BILL FOR AN ACT

RELATING TO RECYCLING.

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

1 SECTION 1. Chapter 196, Hawaii Revised Statutes, is
2 amended by adding a new section to part III to be appropriately
3 designated and to read as follows:

4 "§196- Hawaii recycling program. No later than January
5 1, 2011, the department of accounting and general services shall
6 establish a mandatory recycling program for all state buildings
7 and facilities, including public schools and the University of
8 Hawaii. The recycling program shall include all recyclable
9 paper products, electronic devices, plastics, furniture, and all
10 other recyclable items. The energy resources coordinator, the
11 department of education, and the administration of the
12 University of Hawaii shall cooperate with the department of
13 accounting and general services to develop and implement the
14 program."

15 SECTION 2. Section 196-9, Hawaii Revised Statutes, is
16 amended by amending subsection (b) to read as follows:



1 "(b) With regard to buildings and facilities, each agency
2 shall:

3 (1) Design and construct buildings meeting the Leadership
4 in Energy and Environmental Design silver or two green
5 globes rating system or another comparable
6 state-approved, nationally recognized, and
7 consensus-based guideline, standard, or system, except
8 when the guideline, standard, or system interferes or
9 conflicts with the use of the building or facility as
10 an emergency shelter;

11 (2) Incorporate energy-efficiency measures to prevent heat
12 gain in residential facilities up to three stories in
13 height to provide R-19 or equivalent on roofs, R-11 or
14 equivalent in walls, and high-performance windows to
15 minimize heat gain and, if air conditioned, minimize
16 cool air loss. R-value is the constant time rate
17 resistance to heat flow through a unit area of a body
18 induced by a unit temperature difference between the
19 surfaces. R-values measure the thermal resistance of
20 building envelope components such as roof and walls.
21 The higher the R-value, the greater the resistance to
22 heat flow. Where possible, buildings shall be



1 oriented to maximize natural ventilation and day-
2 lighting without heat gain and to optimize solar for
3 water heating. This provision shall apply to new
4 residential facilities built using any portion of
5 state funds or located on state lands;

- 6 (3) Install solar water heating systems where it is cost-
7 effective, based on a comparative analysis to
8 determine the cost-benefit of using a conventional
9 water heating system or a solar water heating system.
10 The analysis shall be based on the projected life
11 cycle costs to purchase and operate the water heating
12 system. If the life cycle analysis is positive, the
13 facility shall incorporate solar water heating. If
14 water heating entirely by solar is not cost-effective,
15 the analysis shall evaluate the life cycle, cost-
16 benefit of solar water heating for preheating water.
17 If a multi-story building is centrally air
18 conditioned, heat recovery shall be employed as the
19 primary water heating system. Single family
20 residential clients of the department of Hawaiian home
21 lands and any agency or program that can take
22 advantage of utility rebates shall be exempted from



1 the requirements of this paragraph so they may
2 continue to qualify for utility rebates for solar
3 water heating;

4 (4) Implement water and energy efficiency practices in
5 operations to reduce waste and increase conservation;

6 (5) Incorporate principles of waste minimization and
7 pollution prevention, such as reducing, revising, and
8 recycling as a standard operating practice in
9 programs, including programs for waste management in
10 construction and demolition projects and [~~office paper~~
11 ~~and packaging recycling programs;~~] the Hawaii
12 recycling program established in section 196- ;

13 (6) Use life cycle cost-benefit analysis to purchase
14 energy efficient equipment such as ENERGY STAR
15 products and use utility rebates where available to
16 reduce purchase and installation costs; and

17 (7) Procure environmentally preferable products, including
18 recycled and recycled-content, bio-based, and other
19 resource-efficient products and materials."

20 SECTION 3. Section 342G-104, Hawaii Revised Statutes, is
21 amended by amending subsection (b) to read as follows:



1 "(b) Moneys in the deposit beverage container deposit
2 special fund shall be used to reimburse refund values, pay
3 handling fees to redemption centers, fund the reverse vending
4 machine rebate program under section 342G-102.5, and fund the
5 redemption center and recycling infrastructure improvement
6 program established pursuant to section 342G-114.5. The
7 department may also use the money to:

- 8 (1) Fund administrative, audit, and compliance activities
9 associated with collection and payment of the deposits
10 and handling fees of the deposit beverage container
11 program;
- 12 (2) Conduct recycling education and demonstration
13 projects;
- 14 (3) Promote recyclable market development activities;
- 15 (4) Support the handling and transportation of the deposit
16 beverage containers to end-markets;
- 17 (5) Hire personnel to oversee the implementation of the
18 deposit beverage container program, including
19 permitting and enforcement activities; ~~and~~
- 20 (6) Fund associated office expenses[-]; and
- 21 (7) Fund the Hawaii recycling program established pursuant
22 to section 196- ."



1 SECTION 4. The department of accounting and general
2 services shall submit a preliminary report, including findings
3 and recommendations, on the development of the Hawaii recycling
4 program to the legislature no later than December 31, 2009, and
5 shall submit a final report on the development and
6 implementation of the Hawaii recycling program to the
7 legislature no later than October 31, 2010.

8 SECTION 5. There is appropriated out of the deposit
9 beverage container deposit special fund the sum of \$12,500 or so
10 much thereof as may be necessary for fiscal year 2009-2010 and
11 the same sum or so much thereof as may be necessary for fiscal
12 year 2010-2011 for the planning and development of the Hawaii
13 recycling program.

14 The sums appropriated shall be expended by the department
15 of accounting and general services for the purposes of this Act.

16 SECTION 6. Statutory material to be repealed is bracketed
17 and stricken. New statutory material is underscored.

18 SECTION 7. This Act shall take effect on July 1, 2009;
19 provided that the amendments made to section 342G-104, Hawaii
20 Revised Statutes made by section 3 of this Act, shall not be
21 repealed when that section is repealed and reenacted on June 30,



S.B. NO. 559

1 2009, by Act 228 Session Laws of Hawaii 2005, as amended by Act
2 231, Session Laws of Hawaii 2006.

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INTRODUCED BY:

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Report Title:

Recycling

Description:

Directs the department of accounting and general services to establish by 01/01/11 a mandatory recycling program for all state buildings and facilities, public schools, and the University of Hawaii.

