
A BILL FOR AN ACT

RELATING TO RECYCLING.

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

1 SECTION 1. Section 196-9, Hawaii Revised Statutes, is
2 amended by amending subsection (b) to read as follows:

3 "(b) With regard to buildings and facilities, each agency
4 shall:

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

13 (2) Incorporate energy-efficiency measures to prevent heat
14 gain in residential facilities up to three stories in
15 height to provide R-19 or equivalent on roofs, R-11 or
16 equivalent in walls, and high-performance windows to
17 minimize heat gain and, if air conditioned, minimize



1 cool air loss. R-value is the constant time rate
2 resistance to heat flow through a unit area of a body
3 induced by a unit temperature difference between the
4 surfaces. R-values measure the thermal resistance of
5 building envelope components such as roof and walls.
6 The higher the R-value, the greater the resistance to
7 heat flow. Where possible, buildings shall be
8 oriented to maximize natural ventilation and day-
9 lighting without heat gain and to optimize solar for
10 water heating. This provision shall apply to new
11 residential facilities built using any portion of
12 state funds or located on state lands;

- 13 (3) Install solar water heating systems where it is cost-
14 effective, based on a comparative analysis to
15 determine the cost-benefit of using a conventional
16 water heating system or a solar water heating system.
17 The analysis shall be based on the projected life
18 cycle costs to purchase and operate the water heating
19 system. If the life cycle analysis is positive, the
20 facility shall incorporate solar water heating. If
21 water heating entirely by solar is not cost-effective,



1 the analysis shall evaluate the life cycle, cost-
 2 benefit of solar water heating for preheating water.
 3 If a multi-story building is centrally air
 4 conditioned, heat recovery shall be employed as the
 5 primary water heating system. Single family
 6 residential clients of the department of Hawaiian home
 7 lands and any agency or program that can take
 8 advantage of utility rebates shall be exempted from
 9 the requirements of this paragraph so they may
 10 continue to qualify for utility rebates for solar
 11 water heating;

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

14 (5) Incorporate principles of waste minimization and
 15 pollution prevention, such as reducing, [~~revising,~~]
 16 reusing, and recycling as a standard operating
 17 practice in programs, including programs for waste
 18 management in construction and demolition projects and
 19 office paper and packaging recycling programs;

20 (6) Reasonably provide and maintain onsite methods at
 21 buildings and facilities managed, maintained, or



1 serviced by the department of accounting and general
 2 services for the collection of recyclable materials,
 3 including paper, plastics, and deposit beverage
 4 containers, as that term is defined in section
 5 342G-101; provided that receptacles for the collection
 6 of recyclable materials shall be located in proximity
 7 to receptacles for solid waste disposal;

8 [~~6~~] (7) Use life cycle cost-benefit analysis to purchase
 9 energy efficient equipment such as ENERGY STAR
 10 products and use utility rebates where available to
 11 reduce purchase and installation costs; and

12 [~~7~~] (8) Procure environmentally preferable products,
 13 including recycled and recycled-content, bio-based,
 14 and other resource-efficient products and materials."

15 SECTION 2. There is appropriated out of the general
 16 revenues of the State of Hawaii the sum of \$ or so
 17 much thereof as may be necessary for fiscal year 2017-2018 and
 18 the same sum or so much thereof as may be necessary for fiscal
 19 year 2018-2019 for the collection of recyclable materials at
 20 facilities and buildings managed, maintained, or serviced by the
 21 department of accounting and general services.



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

3 SECTION 3. Statutory material to be repealed is bracketed
4 and stricken. New statutory material is underscored.

5 SECTION 4. This Act shall take effect on July 1, 2017.

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Report Title:

Recycling; Facilities and Buildings; Department of Accounting and General Services; Appropriation

Description:

Requires DAGS to reasonably provide and maintain onsite collection methods at buildings and facilities it manages, maintains, or services for the collection of recyclable materials. Appropriates funds. (SD1)

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