



EXECUTIVE CHAMBERS
HONOLULU

BENJAMIN J. CAYETANO
GOVERNOR

April 30, 1998

ADMINISTRATIVE DIRECTIVE NO. 98-03

TO: All Department Heads

SUBJECT: Policy Governing the Use of Solar Water Heating Systems for State Facilities

Discussion

Hawaii's energy resources and physical environment must be managed and protected in a manner that ensures the health, safety, and welfare of the citizens of the State. An effective means of protecting our fragile environment is to use energy more efficiently and to increase the use of renewable energy resources. These goals are expressed in Chapter 226-18, Hawaii Revised Statutes.

As a State blessed with solar energy resources, our potential to benefit from these resources should be pursued since these resources have an even greater potential of contributing to Hawaii's increased energy efficiency and sustainability. Hawaii must continue to encourage increased energy efficiency and the use of renewable technologies. Therefore, it is incumbent upon state government to exercise leadership through the following policy.

Policy

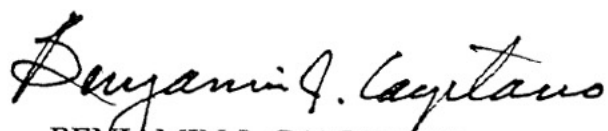
Effective January 1, 1999, all plans and designs for new or renovated facilities using state funds or located on state land and incorporating the use of hot water shall include a comparative analysis to determine the cost-benefit of using a conventional water heating system or a solar water heating system. The analysis shall be based on the projected life-cycle costs to purchase and operate the water heating systems. If the life-cycle analysis is positive, the facility shall incorporate solar water heating. If water heating entirely by solar is not cost-effective, the analysis shall also evaluate the life-cycle, cost-benefit of solar water heating for preheating water.

Administrative Directive No. 98-03
April 30, 1998
Page 2

Assignment of Authority and Responsibilities

To implement this Directive, each Department shall be responsible for conducting an analysis for every facility which provides hot water.

The Department of Business, Economic Development, and Tourism will develop guidelines for conducting a life-cycle cost analysis.


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