

MAINE STATE LEGISLATURE

The following document is provided by the
LAW AND LEGISLATIVE DIGITAL LIBRARY
at the Maine State Law and Legislative Reference Library
<http://legislature.maine.gov/lawlib>



Reproduced from scanned originals with text recognition applied
(searchable text may contain some errors and/or omissions)

STATE OF MAINE
HOUSE OF REPRESENTATIVES
108TH LEGISLATURE
FIRST REGULAR SESSION

(Filing No. H-457)

HOUSE AMENDMENT "A" to H.P. 549, L.D. 666, Bill, "AN ACT to Establish Procedures to Evaluate the Efficiency of Energy Utilization in State-financed and Leased Facilities."

striking out all of
Amend the bill by/that part designated "§1764." and inserting
in its place the following: -

'§1764. Life-cycle costs

1. Bureau of Public Improvements to promulgate rules and procedures. The Bureau of Public Improvements shall promulgate rules and procedures, including energy conservation guidelines, for conducting an energy-related life-cycle costs analysis of alternative architectural and engineering designs and shall evaluate the efficiency of energy utilization for designs in the construction and lease of public improvements and public school facilities. Such rules and procedures shall take effect 90 days after the enactment of this subchapter.

2. Life-cycle costs. Such life-cycle costs shall include:

A. The reasonably expected energy costs over the life of the building, as determined by the designer, that are required to maintain illumination, power, temperature, humidity and ventilation and all other energy-consuming equipment in a facility; and

B. The reasonable energy-related costs of probable maintenance, including labor and materials and operation of the building.

3. Determination of life-cycle costs. To determine the life-cycle costs, the Bureau of Public Improvements shall promulgate rules that shall include but are not limited to:

A. The orientation and integration of the facility with respect to its physical site;

B. The amount and type of glass employed in the facility and the directions of exposure;

C. The effect of insulation incorporated into the facility design and the effect on solar utilization to the properties of external surfaces;

D. The variable occupancy and operating conditions of the facility and subportions of the facility; and

E. Energy consumption analysis of the major equipment of the facility's heating, ventilating and cooling system, lighting system, hot water system and all other major energy-consuming equipment and systems as appropriate. This analysis shall include:

(1) The comparison of alternative systems;

(2) A projection of the annual energy consumption of major energy-consuming equipment and systems for a range of operations of the facility over the life of the facility; and

(3) The evaluation of the energy consumption of component equipment in each system, considering operation of such components at other than full or rated outputs.

4. Annual updating of rules. Such rules shall be based on the best currently available methods of analysis and provisions shall be made for an annual updating of rules and standards as required.

Statement of Fact

This amendment is for technical organization of section 1764.

This amendment does not affect the substance of the bill.

Filed by Mr. Burns of Anson.

Reproduced and distributed under the direction of the Clerk of the House.
6/1/77

(Filing No. H-457)