

A Bill for an Act Relating to Energy Conservation.

Be It Enacted by the Legislature of the State of Hawaii:

SECTION 1. Chapter 46, Hawaii Revised Statutes, is amended by adding a new section to be appropriately designated and to read:

"Sec. 46- Energy conservation standards for building design and construction. (a) Energy efficiency building standards based on the design requirements for improvements of energy utilization in buildings developed and approved by the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Incorporated (ASHRAE 90), meeting the requirements of Public Law 94-163 shall be incorporated by each county into its building code by July 1, 1978. The energy efficiency building standards shall apply to all new and renovated buildings, including State buildings.

(b) The energy efficiency building standards shall not apply to exempted buildings. For the purposes of this section, "exempted building" means:

- (1) Any building whose peak design rate of energy usage is less than one watt per square foot of floor area for all purposes;
- (2) Any building with neither a heating nor cooling system;
- (3) Any building owned or leased in whole or in part by the United States;
- (4) Any building that is deliberately preserved beyond its normal term of use because of historic significance, architectural interest, or public policy or that qualifies for special historic building code provisions; and
- (5) Dwelling units with air conditioning systems totaling less than 12,000 BTUH capacity.

For special applications such as hospitals, laboratories, thermally sensitive equipment, computer rooms, and manufacturing and industrial processes, the design concepts and parameters shall conform to the requirements of the application at minimum energy levels, provided that where these special applications are described in the ASHRAE handbook and product directory, applications volume, the criteria described therein shall be used.

(c) The energy efficiency building standards shall be enforced at the time of construction of a new building or at the time of major addition, alteration, or repair of an existing building when the proposed major addition, alteration, or repair must comply with the standards applicable to new buildings under the applicable county building code. No official of the State nor of any county charged with the enforcement of laws or ordinances pertaining to the construction or alteration of buildings or structures shall accept or approve any plan or specification including or pertaining to the design and construction details and standards for a heating or cooling system unless the energy efficiency building standards are met. All such plans and specifications submitted with or in connection with an application for a building or construction permit shall bear the certification by a registered architect or engineer that the plans and specifications comply with the energy efficiency building standards.

(d) At such time as performance standards that address the overall energy

performance of buildings are promulgated pursuant to the Energy Conservation Standards for New Buildings Act of 1976, title III of the Energy Conservation and Production Act, Public Law 94-385, such standards shall be considered for adoption by each county and shall be incorporated into its building code in addition to the standard adopted pursuant to subsection (a) above, as required by federal law."

SECTION 2. Chapter 46, Hawaii Revised Statutes, is amended by adding a new section to be appropriately designated and to read:

"Sec. 46- Energy efficiency standards for lighting for existing buildings.

(a) Energy efficiency standards for lighting, based on a lighting power limit and meeting the requirements of Public Law 94-163, shall be incorporated by each county of the State into its building code by July 1, 1978.

(b) The energy efficiency standards for lighting shall not apply to exempted buildings. For the purposes of this section, "exempted building" means:

- (1) Any building whose peak design rate of energy usage is less than one watt per square foot of floor area for all purposes;
- (2) Any building with neither a heating nor cooling system;
- (3) Any building owned or leased in whole or in part by the United States;
- (4) Any building that is deliberately preserved beyond its normal term of use because of historic significance, architectural interest, or public policy or that qualifies for special historic building code provisions;
- (5) Any building the gross interior floor area of which or the non-residential gross interior floor area of which is less than ten thousand square feet; and
- (6) Any portion of a multi-use building used solely for residential purposes.

(c) The energy efficiency standards for lighting shall be enforced at the time when additions, alterations, or repairs are made to an existing building. No official of the State nor of any county charged with the enforcement of laws or ordinances pertaining to the alteration of buildings or structures shall accept or approve any plan or specification including or pertaining to the design and construction details and standards for lighting unless the energy efficiency standards for lighting are met.

(d) The energy efficiency standards for lighting specified by this section shall not apply to proposed additions, alterations, or repairs that must comply with the standards applicable to new buildings under the applicable county building code."

SECTION 3. New statutory material is underscored. In printing this Act, the revisor of statutes need not include the underscoring.*

SECTION 4. This Act shall take effect upon its approval.

(Approved May 30, 1978.)

*Edited accordingly.