

## ACT 236

H.B. NO. 3097-74

A Bill for an Act Relating to a State Natural Energy Laboratory.

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

**SECTION 1. Findings and declaration of necessity.** The legislature hereby finds and declares that:

- (1) The energy resources for the United States and the State of Hawaii will require research and development into the future as far as can be seen;
- (2) The ultimate energy resource for the United States and the State of Hawaii will be the natural energy from the sun and the natural geothermal energy of the earth;

- (3) The development of these natural energy resources will require development of national and international institutions which will set the legal, social, environmental, and investment constraints within which the new source of energy shall be developed and distributed;
- (4) There is a high probability that an international institute dedicated to the study and development of such national and international institutions will be established in the Kona region of the island of Hawaii. It would be highly desirable that this institution have available to it the resources and results of research and development of an institution which has and does engage in the technology of natural energy and its by-products (aquaculture, minerals, communication, etc.);
- (5) The islands of the State of Hawaii and in particular the island of Hawaii are uniquely located with respect to available sources of solar energy, i.e., solar insolation, ocean thermal gradients, continuous wind, high amplitude ocean wave, and areas suitable for high intensity agriculture or aquaculture of plant life suitable for energy production (wood, bagasse, kelp, etc.);
- (6) The parcel of land makai of the Keahole airport on the island of Hawaii is, of all island sites, uniquely located with respect to access to each of these natural energy sources and at the same time, to access to port and harbor, airport and communication facilities;
- (7) The legislature therefore finds that the development of a natural energy laboratory on said parcel of land would be in the best interest of the people of the State of Hawaii and of the United States because it will serve as an institution ideally located to research and develop sources of natural energy. In addition, the laboratory could complement and make available the results of such research and development to an international institute which will probably be established in the same area to study and develop natural and international institutions which will set the proper constraints within which the new source of energy shall be developed and distributed.
- (8) The legislature further finds that natural energy by virtue of its location or by virtue of requirements for large quantities of cooling water will be based in or next to the marine environment and ought thereby be developed as a marine resources of the State of Hawaii.

**SECTION 2. Establishment of a State natural energy laboratory.**

There is created a natural energy laboratory of the State of Hawaii to be located on the parcel of state-owned land makai of the Keahole airport on the island of Hawaii. The laboratory shall be under the direction and management of a consortium which may consist of, but is not necessarily limited to, the Department of Land and Natural Resources, the County of Hawaii, the University of Hawaii, and such foundations and enterprises as shall be willing to provide funds, facilities or research for said laboratory. The consortium and its details shall be established by the Marine Affairs Coordinator in accordance with authorities granted to him under section 218-3, Hawaii Revised Statutes, subject to legislative approval at the next legislative session.

SECTION 3. **Appropriation.** There is appropriated from the general revenues of the State of Hawaii the sum of \$50,000, or as much thereof as may be necessary, to be expended by the Marine Affairs Coordinator for the establishment of a natural energy laboratory of the State of Hawaii, provided that such expenditure shall be matched by an equal expenditure from the County of Hawaii.

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

(Approved June 14, 1974.)