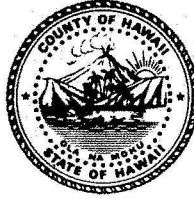


BOB JACOBSON
Councilmember

Chair, Environmental Management Committee
Vice-Chair, Finance Committee
Vice-President Hawai'i State Association of Counties



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HAWAI'I COUNTY COUNCIL

County of Hawai'i

January 30, 2008

To: COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION,

Rep. Hermina M. Morita, Chair and Members

Rep. Mele Carroll, Vice Chair, Rep. Ken Ito, Rep. Roland D. Sagum, III

Rep. Jon Riki Karamatsu, Rep. Scott K. Saiki

Rep. Michael Y. Magaoay, Rep. Cynthia Thielen

DATE: Thursday, January 31, 2008, TIME: 8:30 am

Testimony in favor of:

HB 2811

RELATING TO ENERGY.

Transfers general funds into the energy systems development special fund. Appropriates funds from the energy systems development special fund for the Hawaii natural energy institute.

Aloha Chair Morita and Members,

I want to express my support for HB 2811. It is clear that our current systems for promoting clean sustainable energy need support and accountability. I am hopeful that this bill will help accomplish those goals. Please pass this bill.

Mahalo!



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Phone: (808) 259-5042
Mobile: (808) 227-9683
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TESTIMONY OF ROBERT SHLESER ON BEHALF OF CLEAR FUELS TECHNOLOGY INC
BEFORE THE HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

HB 2811, RELATING TO ENERGY

January 31, 2008

Chair Morita, Vice-Chair Carroll and members of the Committee I am Robert Shleser, chief Technology Officer testifying on behalf of ClearFuels Technology Inc. a Hawaii Company developing businesses based on the conversion of renewable sources of biomass to energy products such as ethanol and hydrogen.

The purposes of HB 2811 are to: (1) transfer general funds into the energy systems development special fund, and (2) appropriate funds from the energy systems development special fund for the Hawaii Natural Energy Institute. ClearFuels strongly supports this bill with the following comment:

In addition to conducting outstanding research on renewable energy benefiting the state, the Hawaii Natural Energy Institute of the University of Hawaii has consistently provided guidance to the private sector on technical issues related to renewable energy production. The funds identified will help HNEi continue this important activity

Thank you for this opportunity to testify.

Robert Shleser. CTO

HAWAII RENEWABLE ENERGY ALLIANCE

46-040 Konane Place #3816, Kaneohe, HI 96744 – Telephone/FAX: 247-7753 – Email: wsb@lava.net

Officers

President
Warren S. Bollmeier II

Vice-President
John Crouch

Directors

Warren S. Bollmeier II
WSB-Hawaii

Cully Judd
Inter Island Solar Supply

John Crouch
Sunpower

Herbert M. (Monty) Richards
Kahua Ranch Ltd.

TESTIMONY OF WARREN BOLLMEIER ON BEHALF OF THE HAWAII
RENEWABLE ENERGY ALLIANCE BEFORE THE HOUSE COMMITTEE ON
ENERGY AND ENVIRONMENTAL PROTECTION

HB 2811, RELATING TO ENERGY

January 31, 2008

Chair Morita, Vice-Chair Carroll and members of the Committee I am Warren Bollmeier, testifying on behalf of the Hawaii Renewable Energy Alliance (HREA). HREA is a nonprofit corporation in Hawaii, established in 1995 by a group of individuals and organizations concerned about the energy future of Hawaii. HREA's mission is to support, through education and advocacy, the use of renewables for a sustainable, energy-efficient, environmentally-friendly, economically-sound future for Hawaii. One of HREA's goals is to support appropriate policy changes in state and local government, the Public Utilities Commission and the electric utilities to encourage increased use of renewables in Hawaii.

The purposes of HB 2811 are to: (1) transfer general funds into the energy systems development special fund, and (2) appropriate funds from the energy systems development special fund for the Hawaii Natural Energy Institute. HREA strongly supports this bill with the following comments:

1. Funding. HREA suggests that a minimum amount of \$10M be entered into the blank spots on lines 10 and 14 on page two of the bill;
2. Pilot Projects. HREA suggests that the fund be used to support for renewable technologies that are in their initial commercial phase in Hawaii, i.e., pilot commercial projects for such technologies as ocean thermal and wave energy systems: and
3. Support and Matching Funds. HREA encourages HNEI to work closely with interested stakeholders, such as the utility, government, industry, environmental groups and the community to get support for specific pilot projects. We also encourage HNEI to highly leverage its energy systems development funds with funds from other entities.

Thank you for this opportunity to testify.

TESTIMONY PRESENTED BEFORE THE
COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

BY
RICHARD ROCHELEAU

Thursday, January 31, 2008
8:30 a.m.

Conference Room 312
State Capitol
415 South Beretania Street

HB 2881 Relating to Energy

Chair Morita, Carroll and Members of the Committee:

I am Dr. Richard Rocheleau. I am the Director of the Hawaii Natural Energy Institute of the University of Hawai'i at Mānoa but am testifying today in support of HB 2881 as an individual.

In 2007 this legislature passed ACT 253 (HB 1003) which HNEI in statute and directed HNEI to undertake a number of activities including:

- Develop renewable sources of energy for power generation and transportation fuels by working in coordination with state and federal agencies and private entities
- Conduct research and development of renewable sources of energy
- Demonstrate and deploy efficient energy end-use technologies including those that address peak electric demand issues
- Aggressively seek matching funding from federal agencies and private entities for its research and development and demonstration issues and,
- Report annual to the legislature

As reported to the legislature in it's Annual Report on Expenditures, Contracts, Activities, and Technology required under this Act, HNEI continued to meet this mandate by aggressively seek federal and private funding to conduct research and cost-shared partnerships aimed to reduce the State's dependence on fossil fuels. HNEI also continued to be asked, and where possible did support, local industry in the development of appropriate advanced energy technologies.

Act 253 also established the Energy Systems Special Fund to be administered by HNEI for the purpose of developing an integrated approach and portfolio management of renewable energy and energy efficiency technologies that will reduce Hawaii's dependence of fossil fuels and other imported energy resources and move Hawaii toward energy self-sufficiency. The portfolio approach described in Act 253 was designed to insure that technologies selected for

funding are those most likely to get into the hands of state end users as quickly as possible. However, in 2007 no funds were appropriated into the Energy Systems Special Fund so no contracts specific to this Act were developed. The purposes of HB 2811 are to: (1) transfer general funds into the energy systems development special fund, and (2) appropriate funds from the energy systems development special fund for the Hawaii Natural Energy Institute. Funding of the Energy Systems Special Fund will accelerate acceptance and deployment of critically needed emerging technologies in both energy and energy efficiency benefiting all stakeholders. Similar programs have been established elsewhere with demonstrated success including a return on investment of \$2 to \$5 for each dollar spent on the program resulting in substantial investment in the state by private industry and government which otherwise would not likely have occurred. Similar results should be expected for Hawai'i.