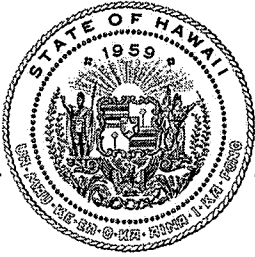


**SB 1197**



**DEPARTMENT OF BUSINESS,  
ECONOMIC DEVELOPMENT & TOURISM**

NEIL ABERCROMBIE  
GOVERNOR

RICHARD C.LIM  
INTERIM DIRECTOR

No. 1 Capitol District Building, 250 South Hotel Street, 5th Floor, Honolulu, Hawaii 96813  
Mailing Address: P.O. Box 2359, Honolulu, Hawaii 96804  
Web site: [www.hawaii.gov/dbedt](http://www.hawaii.gov/dbedt)

Telephone: (808) 586-2355  
Fax: (808) 586-2377

Statement of  
**RICHARD C. LIM**  
**Director**

Department of Business, Economic Development, and Tourism  
before the

**COMMITTEE ON WAYS AND MEANS**

Friday, February 25, 2011

9:00 a.m.

State Capitol, Conference Room 211

in consideration of

**SB1197, SD1**  
**RELATING TO ENERGY.**

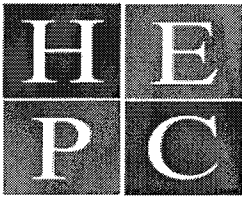
Chair Ige, Vice Chair Kidani, and members of the Committee.

SB1197, SD1, requires the incorporation of alternative energy designs into construction of, and major renovation to, schools and state facilities for which planning begins on or after July 1, 2011.

The Department of Business, Economic Development, and Tourism (DBEDT) supports the intent of SB1197, SD1, and the intent to increase the sustainability of state buildings. We recommend, however, that before any renewable energy systems are installed, that the building be maximized for energy efficiency that exceeds the requirements of Leadership in Energy and Environmental Design, Silver, for buildings. At present Chapter 196-9, energy efficiency and environmental standards for state facilities, motor vehicles, and transportation fuel, directs each agency to implement, to the extent possible to “design and construct buildings meeting the Leadership in Energy and Environmental Design silver or two green globes rating system.”

Energy efficiency is the most cost effective investment in the life of the building. Efficiency investments have a good to excellent payback period. Therefore, before very expensive renewable technologies, such as photovoltaics which cost about \$8,000 installed for one kilowatt, the investments should focus on maximizing building envelopes for roofs, walls, and windows that mitigate heat gain, building envelopes that provide natural day-lighting and ventilation, and all the equipment installed are high efficiency Energy Star products. If a building is not the most energy efficient possible, then expensive renewable energy installations will be used to provide electricity to operate inefficient building equipment and building design.

We offer these comments for your consideration. Thank you for the opportunity to provide this testimony.



HAWAI'I EDUCATIONAL POLICY CENTER  
*Informing the Education Community*

---

Testimony Presented before the  
Senate Committee on Ways and Means

February 25, 2011, 9:00 am, Room 211

by  
Donald B. Young, Director  
Hawai'i Educational Policy Center

**SB 1197 SD1: Relating to Energy**

Chair Ige, Vice Chair Kidani and members of the Senate Committee on Ways and Means

The Hawaii Educational Policy Center supports SB 1197 SD1 Relating to Energy. We would also like to respectfully propose amendments.

The Hawaii Educational Policy Center supports efforts to incorporate the use of geothermal, solar, wind, ocean power, or biomass and solid waste energy in the construction of, and major renovations to, schools and state facilities to enable these sources of power to serve as the dominant sources of energy generation for the building or facility. This is a laudable effort to diversify our state's energy portfolio away from a near-total reliance on imported oil.

However, we would like to urge the committee to consider this measure in the larger context of green building as a whole and in relation to Act 96, Session Laws of Hawaii, 2006.

Green building often integrates precisely the types of distributed power generation described in SB 1197 SD1, although as one component among many others, as one piece of a larger project that is typically also:

- Healthy;
- Thermally, visually and acoustically comfortable;
- Energy efficient;
- Material efficient;
- Water efficient;
- Easy to maintain and operate;
- Environmentally responsive; and
- Architecturally stimulating.

When applied to school construction and rehabilitation, green building tends to yield:

- Higher test scores;
- Increased average daily attendance;
- Reduced operating costs;
- Increased teacher satisfaction and retention;
- Reduced liability exposure;
- Reduced environmental impacts;
- A teaching tool; and
- A community resource.

The positive benefits of green building for non-school public buildings are comparable and equally beneficial.

Green building costs roughly 2% more than regular construction. These costs are recouped well within the average life cycle of a building, in addition to the plethora of other benefits listed above. Green building makes good sense according to a triple bottom line of economic, social and environmental values.

Act 96, Session Laws of Hawaii, 2006 has the potential to make Hawaii a national leader in green building policy. Unfortunately, as worded, it allows state agencies to essentially ignore its provisions.

We respectfully urge the committee to consider this measure in tandem with amendments to Act 96 that would make the provisions of both mandatory instead of optional. We stand ready to provide any such language as may be needed to accomplish this goal.

Thank you for the opportunity to provide testimony.

Testimony of  
Lisa Hinano Rey  
Member, Environmental Caucus of the Democratic Party

Before the Committee on WAM

02-25-11 9:00AM in conference room 211.

Senate Bill 1197 Relating to Energy

I am in favor of passage of this bill. It is important to take steps to move the State toward its goals of energy independence. This measure would be an important step in that direction and at the same time create jobs and invest in our public school infrastructures.

Lisa Hinano Rey

---

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Thursday, February 24, 2011 7:28 AM  
**To:** WAM Testimony  
**Cc:** young@hawaii.edu  
**Subject:** Testimony for SB1197 on 2/25/2011 9:00:00 AM  
**Attachments:** HEPC Testimony in Support SB 1197 SD1 Green Building 022511.pdf

Testimony for WAM 2/25/2011 9:00:00 AM SB1197

Conference room: 211  
Testifier position: support  
Testifier will be present: No  
Submitted by: Donald Young  
Organization:  
Address:  
Phone:  
E-mail: [young@hawaii.edu](mailto:young@hawaii.edu)  
Submitted on: 2/24/2011

Comments: