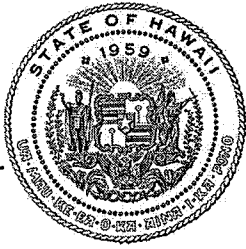


**SB 553**



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

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**LINDA LINGLE**  
GOVERNOR  
**THEODORE E. LIU**  
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Statement of  
**THEODORE E. LIU**  
Director  
Department of Business, Economic Development, and Tourism  
before the  
**SENATE COMMITTEES ON  
ENERGY & ENVIRONMENT  
and  
JUDICIARY & GOVERNMENT OPERATIONS**

Friday, February 13, 2009  
9:00 a.m.  
State Capitol, Conference Room 016

in consideration of

**SB553  
RELATING TO ENERGY EFFICIENT LIGHTING.**

Chair Gabbard, Chair Taniguchi, Vice Chair English, Vice Chair Takamine, and  
Members of the Committees.

The Department of Business, Economic Development, and Tourism (DBEDT) supports the intent of SB553 but feels that measures in this bill can be achieved administratively. SB553 requires the use of compact fluorescent light bulbs (CFL's), light-emitting diode products (LED's), and energy-efficient incandescent light bulbs in state buildings. Section 3 of this bill directs DBEDT to undertake a public education and awareness campaign. We support this measure insofar as its implementation does not impact or replace the priorities set forth in the Executive Biennium Budget for Fiscal years 2009-2010.

Lighting is often the largest energy user in buildings. Even when it is second to air conditioning, lights' heat adds considerably to air conditioning load. Retrofitting to energy-efficient lighting systems is often the quickest, easiest and most cost-effective means of reducing electricity use in buildings. The payback time for lighting retrofits is sometimes less than a year, yielding a return on investment of more than 100%.

Lighting efficiency and quality has improved dramatically over the last decade. Many LED manufacturers have partnered with the U.S. Department of Energy to set recognized standards that have garnered Energy Star status for compliant LED's. The price of LED's is dropping as their efficiency rises. Both CFL's and LED's are now available in all color temperatures have excellent color rendition indices.

We would suggest deleting reference to "advanced energy-efficient incandescent light bulbs," as they remain inherently hot and inefficient and do not qualify for Energy Star rating. That said, there may be very specialized situations which do not allow for replacement by CFL's or LED's, and we deferred to the Department of Accounting and General Services.

Finally, this bill requires DBEDT to undertake an updated electronic and print media public awareness campaign on the benefits of energy efficient lighting. While high-efficiency lighting in state facilities and in private sector homes and buildings will play an integral role in meeting the State's targets for 70% clean energy by 2030, the cost of undertaking such an initiative is beyond our limited budget resources.

Thank you for the opportunity to offer these comments.

LINDA LINGLE  
GOVERNOR



CHAD K. TANIGUCHI  
EXECUTIVE DIRECTOR

**STATE OF HAWAII**  
DEPARTMENT OF HUMAN SERVICES  
HAWAII PUBLIC HOUSING AUTHORITY  
1002 NORTH SCHOOL STREET  
POST OFFICE BOX 17907  
Honolulu, Hawaii 96817

Statement of  
**Chad K. Taniguchi**  
Hawaii Public Housing Authority  
Before the

**SENATE COMMITTEE ON ENERGY AND ENVIRONMENT  
COMMITTEE ON JUDICIARY AND GOVERNMENT OPERATIONS**

February 13, 2008, 9:00 A.M.  
Room 016, Hawaii State Capitol

In consideration of  
**S.B. 553**  
**RELATING TO ENERGY-EFFICIENT LIGHTING**

The Hawaii Public Housing Authority (HPHA) supports the intent of S.B. 553 as long as its implementation does not impact or replace the priorities set forth in the Executive Biennium Budget for Fiscal Years 2009-2010.

HPHA has an Energy Performance Contract (EPC) with Ameresco/Pacific Energy to perform an investment grade energy audit of 5366 federal public housing units statewide, with a report due back in mid-May of this year which will recommend ways to reduce HPHA's \$10 million annual utility expense. Under an EPC, the contractor will pay capital costs of energy efficiency upgrades up front, and the agency will use federal funds to repay the cost over a number of years from the energy cost savings realized.

We support the use of fluorescent and LED lighting wherever feasible for our public housing projects. However, until the energy audit has been completed it would be premature to assume that this measure is the best solution for all public housing units at this time, or what the cost would be for those where it is appropriate.

In addition, we recommend the Legislature seek ways to reduce the over-lighting which is evident in many state facilities, and increase the use of:

1. natural daylight
2. task-specific lighting
3. motion sensor lighting

and other energy conservation practices.

LINDA LINGLE  
GOVERNOR



STATE OF HAWAII  
**DEPARTMENT OF PUBLIC SAFETY**  
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Honolulu, Hawaii 96814

CLAYTON A. FRANK  
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Administration

TOMMY JOHNSON  
Deputy Director  
Corrections

JAMES L. PROPOTNICK  
Deputy Director  
Law Enforcement

No. \_\_\_\_\_

TESTIMONY ON SENATE BILL 553  
RELATING TO ENERGY EFFICIENT LIGHTING

by  
Clayton A. Frank, Director  
Department of Public Safety

Senate Committee on Energy And Environment  
Senator Mike Gabbard, Chair  
Senator J. Kalani English, Vice Chair  
And

Senate Committee on Judiciary And Government Operations  
Senator Brian T. Taniguchi, Chair  
Senator Dwight Y. Takamine, Vice Chair

Friday, February 13, 2009; 9:00 a.m.  
State Capitol, Conference Room 016

Chairs Gabbard and Taniguchi and members of the Committees:

The Department of Public Safety (PSD) opposes Senate Bill 553, relating to Energy Efficient Lighting. This measure imposes an obligation that threatens the security at PSD's correctional facilities. This measure will also have a negative fiscal impact on PSD.

In the event of a power outage, every correctional facility's exterior lighting system must have an "instant re-strike" capability to ensure potential escape attempts and other security threats are avoided. The bulbs that must be used to assure this capability are not considered to be energy-efficient lighting. PSD respectfully requests that if this bill is passed, that an exemption be included for correctional facilities so that our security concerns are addressed. The Department appreciates the intent of this measure; however, given the current

Senate Bill 553  
February 12, 2009  
Page 2

fiscal difficulties, it would not be prudent to pursue enactment at this time without amendments.

Thank you for this opportunity to testify on this important matter.

**Date:** 02/13/2009

**Committee:** Senate Energy and  
Environment/Senate Judiciary and  
Government Operations

**Department:** Education

**Person Testifying:** Patricia Hamamoto, Superintendent of Education

**Title of Bill:** SB 0553 RELATING TO ENERGY-EFFICIENT LIGHTING.

**Purpose of Bill:** Requires use of compact fluorescent light bulbs, light-emitting diode lighting products, and advanced energy-efficient incandescent light bulbs in state buildings and a public education campaign to promote private use of compact fluorescent light bulbs and light-emitting diode lighting products.

**Department's Position:** The Department of Education supports SB 0553. We are working with schools to make our facilities more energy efficient, requiring the replacement of all incandescent light bulbs with compact fluorescent light bulbs whenever possible. We began supplying schools with compact fluorescent light bulbs last school year and have received rebates from the Hawaiian Electric Company for our efforts.

Testimony before the  
Senate Committees on  
Energy & Environment  
And  
Judiciary and Government Operations

S. B. 553 - Relating to Energy-Efficient Lighting

Friday, February 13, 2009  
9:00 a.m., Conference Room 016

by Keith Block  
Director, Customer Efficiency Programs  
Hawaiian Electric Company, Inc.

Chair Gabbard, Chair Taniguchi, and Members of the Committees:

My name is Keith Block and I am testifying on behalf of Hawaiian Electric Company, Inc. (HECO), and its subsidiaries, Maui Electric Company, Ltd. (MECO) and Hawaii Electric Light Company, Inc. (HELCO).

Hawaiian Electric supports the installation of energy efficient lighting products in state buildings and supports SB 553. HECO has been pleased by the response to our compact fluorescent lamp (CFL) rebate program. In the two years since the program's inception, we have provided rebates for over 1.5 million CFL purchases on Oahu alone.

Thank you for this opportunity to testify.





# Sierra Club Hawai'i Chapter

PO Box 2577, Honolulu, HI 96803

808.537.8019 hawaii.chapter@sierraclub.org

## SENATE COMMITTEE ON ENERGY & ENVIRONMENT SENATE COMMITTEE ON JUDICIARY AND GOVERNMENTAL OPERATIONS

February 13, 2009, 9:00 A.M.

(Testimony is 1 page long)

### TESTIMONY IN SUPPORT OF SB 553

Chair Gabbard, Chair Taniguchi, and members of the Committees:

The Sierra Club, Hawai'i Chapter, with 5500 dues paying members statewide, *supports* SB 553, which requires the State to take leadership in purchasing and utilizing energy efficient light fixtures.

If every household in the United States simply switched to Energy Star light fixtures, we could prevent 50 million tons of global warming pollution per year, the equivalent of taking 10 million cars off the road. Moreover, we would save money. Energy Star light fixtures, on average, save about \$30 in electricity costs over each bulb's lifetime. Calculated against every light fixture used by the State of Hawai'i, this could result in a significant savings.

Saving money? Saving the environment? Reducing our dependence on foreign fossil fuels? Sounds like a winner.

Thank you for the opportunity to testify.

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**From:** Steve Williams [hirealtor@gmail.com]  
**Sent:** Thursday, February 12, 2009 11:43 AM  
**To:** ENETestimony  
**Subject:** Testimony on SB 553

**SB 553**

**DATE:** Friday, February 13, 2009  
**TIME:** 9:00 a.m.  
**PLACE:** Conference Room 016  
State Capitol  
415 South Beretania Street

To Whom it May Concern:

A substantial risk of Mercury poisoning accompanies the compact fluorescent light bulbs mandated by this bill. When they break (which is obviously inevitable), a very dangerous environmental hazard site is created in the home or wherever the break has occurred, and the mandatory cleanup procedure is extremely burdensome and expensive. While the environmental concerns are admirable, a far greater risk and hardship on the people is taken by mandating the use of these poorly thought-out products.

Steve Williams  
Honolulu