

Bill No. 553

Support Y N

Date 3/18/09

Date: 03/19/2009

Time 10:04

Committee: House Energy &
Environmental Protection
House Economic Revitalization, Business &
Military Affairs

Order: AE AS AX B C

Type 1 2 WI

Department: Education

Person Testifying: Patricia Hamamoto, Superintendent of Education

Title of Bill: SB 0553,SD2(SSCR685) 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. (SD2)

Department's Position: The Department of Education supports SB 0553, SD2(SSCR685). 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.



**DEPARTMENT OF BUSINESS,
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Statement of
THEODORE E. LIU
Director
Department of Business, Economic Development, and Tourism
before the
**HOUSE COMMITTEES ON
ENERGY & ENVIRONMENTAL PROTECTION
And
ECONOMIC REVITALIZATION, BUSINESS, & MILITARY AFFAIRS**
Thursday, March 19, 2009
11:00 a.m.
State Capitol, Conference Room 325

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in consideration of

**SB553 SD2
RELATING TO ENERGY EFFICIENT LIGHTING.**

Chair Morita, Chair McKelvey, Vice Chair Coffman, Vice Chair Choy, and Members
of the Committees.

The Department of Business, Economic Development, and Tourism (DBEDT)
opposes SB553 SD2, because the goals of this bill can be achieved administratively. SB553
SD2, requires the use of compact fluorescent light bubs (CFL's), light-emitting diode
products (LED's) and energy-efficient incandescent light bulbs in state buildings. Legislation
is not required to achieve this goal.

Lighting is often the largest energy user in buildings. Even when air conditioning is
the largest user, 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 suggest deleting general 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 defer to the Department of Accounting and General Services in those cases.

High-efficiency lighting in state facilities and in private sector homes and buildings will play an integral role in meeting the State's target of achieving 70% clean energy by 2030.

Thank you for the opportunity to offer these comments.