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**From:** Melissa Miranda-Johnson on behalf of Rep. Ken Ito  
**Sent:** Tuesday, February 23, 2010 3:39 PM  
**To:** Wayne Yagi  
**Subject:** FW: Testimony for HB2922 HB1  
**Attachments:** Lamp & Ballast Recycling Program\_LEGSL.pdf

We received this testimony for today's hearing in my Reps box...

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**From:** Chun Hui Chen [mailto:chunhui@emcchawaii.com]  
**Sent:** Tuesday, February 23, 2010 3:35 PM  
**To:** Rep. Ken Ito  
**Cc:** 'dante'  
**Subject:** Testimony for HB2922 HB1

Good Afternoon Judiciary Chair Karamatsu, Vice Chair Ito and members of the Judiciary committee,

My apologies for not making the hearing today. Please see below a summary of my testimony in support of HB2922 HB-1:

Please see below a summary of the verbal testimony given today:

**Current Situation in Hawaii:**

Due to the lack of recycling facilities, most lamps in Hawaii are being thrown into the dumpsters or sent to H-Power for incineration. The problem with disposal and incineration is the leaching of mercury into our atmosphere, soil, groundwater, and finally into our food supply. Elemental mercury turns into methylmercury as it moves up the food chain, increasing its potency and ill effects on humans.

8-10 million lamps are imported into the state annually, but recycling is not currently mandated.

Currently 12 states ban the landfill disposal of ALL mercury containing lamps:

[http://www.nema.org/gov/env\\_conscious\\_design/mercury/](http://www.nema.org/gov/env_conscious_design/mercury/)

Nationwide average is roughly 30%, the majority being from businesses:

<http://blog.lamprecycling.com/2009/09/alarmed-fluorescent-bulb-recycling.html>

In Hawaii, Home Depot is the only place who accepts residential lamps for recycling. There are no programs for commercial recycling.

**Mercury content in common lamps:**

1 CFL has enough mercury (5mg) to contaminate 6,000 gallons of water. If 500,000 CFLs break or are not recycled, about 5.5 pounds of mercury is released back into the environment. The mercury content in lamps commonly used in commercial buildings is much higher:

49% of all linear fluorescent lamps contain 7 mg

66% of CFLS contain 2.5mg

97% of High Pressure Sodium (commonly used in exterior building and pole lights) contain 30mg or more

All components of a lamp can be recycled – glass, endcaps, phosphors, mercury. The benefits of energy efficiency will be outweighed by its negative impact on the environment if we are not responsible for a product's end of life handling.

Please see attached a recycling presentation. Mahalo for your time and consideration, please email me anytime with any questions.

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