

NEIL ABERCROMBIE
GOVERNOR



BRUCE A. COPPA
Comptroller

RYAN OKAHARA
Deputy Comptroller

STATE OF HAWAII
DEPARTMENT OF ACCOUNTING
AND GENERAL SERVICES
P.O. BOX 119
HONOLULU, HAWAII 96810-0119

TESTIMONY
OF
BRUCE A. COPPA, COMPTROLLER
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
TO THE
HOUSE COMMITTEE
ON
ENERGY & ENVIRONMENTAL PROTECTION
ON
February 8, 2011
H.B. 1016, H.D. 1

RELATING TO TRANSPORTATION ENERGY INITIATIVES

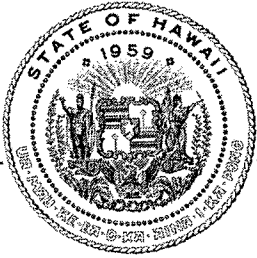
Chair Morita and members of the Committee, thank you for the opportunity to testify on H.B. 1016, H.D. 1.

The Department of Accounting and General Services (DAGS) appreciates the intent of this H.B. 1016, H.D. 1.

DAGS recommends the bill be amended with language similar to the law governing parking for disabled persons, HRS 291-55 (metered parking privileges), which provides free parking for a specified amount of time (two and one half hours) in metered spaces to disabled persons displaying a handicap-parking permit. The time limitation is set to prevent any abuse of privileges. Language clarity is required to distinguish and differentiate state/county employee

and public parking areas so state/county employee parking access is maintained (i.e., free parking does not apply to employee parking lots.....only to metered stalls).

Thank you for the opportunity to testify on this matter



**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

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Statement of
RICHARD C. LIM
Interim Director
Department of Business, Economic Development, and Tourism
before the
HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION
Tuesday, February 8, 2011
9:00 AM
State Capitol, Conference Room 325

in consideration of
HB 1016
RELATING TO TRANSPORTATION ENERGY INITIATIVES.

Chair Morita, Vice Chair Coffman, and Members of the Committee.

The Department of Business, Economic Development, and Tourism (DBEDT) strongly supports HB 1016, which amends sections in Chapter 291 of the Hawaii Revised Statutes (HRS), and incorporates into the HRS elements of Act 290, Session Laws of Hawaii 1997.

This is an Administration bill that will make portions of an existing law, Act 290 of 1997, easier to find; clarify that fees can be charged by government entities for the use of electrified parking spots; clarify existing language in HRS Chapter 291; and delay implementation of the requirement, to allow the installation of grant-funded charging stations to take place prior to the enforcement date.

We encourage your support of this bill. Thank you for the opportunity to offer these comments.

**HOUSE COMMITTEE ON
ENERGY AND ENVIRONMENTAL PROTECTION**

February 8, 2011

House Bill 1016 Relating to Transportation Energy Initiatives

Chair Morita and members of the House Committee on Energy and Environmental Protection, I am Rick Tsujimura, representing General Motors, LLC (General Motors).

General Motors requests an amendment to House Bill 1016 Relating to Transportation Energy Initiatives. House Bill 1016 eliminates a reference to compliance with SAEJ1772 on page 2, line 21. General Motors requests that the sentence not be deleted. Both NEC Article 625 and SAEJ1772 chargers are necessary for plug in hybrid vehicles such as General Motors' Chevrolet Volt. We request your cooperation in maintaining this language.

Thank you for the opportunity to present this testimony.

coffman3 - Sean

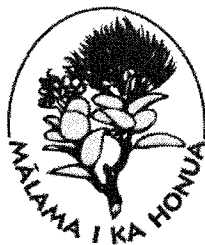
From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 06, 2011 1:43 AM
To: EEPtestimony
Cc: malamakai2@gmail.com
Subject: Testimony for HB1016 on 2/8/2011 9:00:00 AM

Testimony for EEP 2/8/2011 9:00:00 AM HB1016

Conference room: 325
Testifier position: support
Testifier will be present: No
Submitted by: Scott Hamilton
Organization: Individual
Address: 5112 Lokene Rd. 1 Kapa'a Hawai'i
Phone: 808 822 4383
E-mail: malamakai2@gmail.com
Submitted on: 2/6/2011

Comments:

Aloha State Representative:Want to express to you my strong support for HB1016.I would like to request that more parking lots have more spaces for ev(more than 1%)It would be an insensitive and an encouragement for drivers to purchase ev,if they knew there were parking spaces where they could recharge there batteries.This would reduce the importation of fossil fuels;and reduce the carbon footprint here in Hawai'i.This would be a positive first steep in one day most cars here will be ev.So with the passage of this legislation; it will be the first step towards making evs a reality here.Mahalo nui loa for your support.Sincerely Scott Hamilton



Sierra Club Hawai'i Chapter

PO Box 2577, Honolulu, HI 96803
808.538.6616 hawaii.chapter@sierraclub.org

HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION February 8, 2011, 9:00 A.M.

(Testimony is 2 pages long)

TESTIMONY IN SUPPORT OF HB 1016, WITH PROPOSED AMENDMENTS

Aloha Chair Morita and Members of the Committee:

The Hawai'i Chapter of the Sierra Club, with 8,000 dues-paying members and supporters, *supports* HB 1016. This measure makes revisions to this Legislature's historic effort to rapidly advance and support the use of electric vehicles ("EV") in Hawai'i.

Hawai'i is an ideal location for electric vehicles. Most commutes are well within an EV's capacity, thus eliminating the need for a gas powered engine. Electric vehicles -- even assuming no improvements to our electric grid -- produce less carbon dioxide emissions than comparable gas powered cars. As Hawai'i begins to meet its renewable energy goals, electric vehicles could be a completely clean source of transportation.

Moreover, electrical vehicles are silent, create no air pollution, and need little maintenance. No tune ups, oil changes, or radiator repairs are necessary (these items simply don't exist on an electrical car).

The Sierra Club does not support deletion of the requirement for an increasing number of EV-designated parking spaces as the number of EVs increases. This measure is a smart means to minimize the current burden on parking property owners, but recognizes that as the number of EVs increase we will need a greater number of parking spaces. The current law could also be improved by removing the aggregate number of EV spots across a number of owner's lots and increasing the penalties for illegally parking in an EV parking spot.

SUGGESTED AMENDMENTS:

Amending Section 3 to remove this language:

~~[Owners of multiple parking [lots] facilities within the State may designate and electrify fewer parking spaces than required in one or more of their owned~~

~~properties as long as the scheduled requirement is met for the total number of aggregate spaces on all of their owned properties.]~~

Amending Section 3 to keep the current language:

When the number of registered electric vehicles in the State reaches five thousand, the spaces designated for electric vehicles shall increase to two per cent of parking spaces. The number of spaces designated for electric vehicles shall continue to increase by one per cent for each additional five thousand electric vehicles registered in the State until the percentage reaches ten per cent of parking spaces.

Amending Section 4 to state:

Section 291-72, Hawaii Revised Statutes, is amended by amending its title and subsection (a) to read as follows:

§291-72 Parking spaces reserved for electric vehicles; penalties. (a) Beginning January 1, 2013, any person who uses or obstructs the ingress or egress to a parking space reserved for electric vehicles who fails to properly display a valid electric vehicle license plate shall be guilty of a traffic infraction under chapter 291D and shall be fined not less than \$250 nor more than \$500 and pay any costs incurred by the court related to assessing the fine.

(b) Any citation issued under this chapter may be mailed to the violator pursuant to section 291C-165 (b).

Thank you for this opportunity to provide testimony.

From: Brian Bell [reachbrianbell@yahoo.com]
Sent: Sunday, February 06, 2011 11:49 AM
To: EEPtestimony
Cc: Sen. Les Ihara, Jr.; Rep. Calvin Say
Subject: TESTIMONY IN SUPPORT OF HB 1016, WITH PROPOSED AMENDMENTS

HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION
February 8, 2011, 9:00 A.M.

TESTIMONY IN SUPPORT OF HB 1016, WITH PROPOSED AMENDMENTS

Aloha Chair Morita and Members of the Committee:

I would like to submit my testimony in support of HB 1016. This measure makes revisions to this Legislature's historic effort to rapidly advance and support the use of electric vehicles ("EV") in Hawai'i.

Hawai'i is an ideal location for electric vehicles. Most commutes are well within an EV's capacity, thus eliminating the need for a gas powered engine. Electric vehicles -- even assuming no improvements to our electric grid -- produce less carbon dioxide emissions than comparable gas powered cars. As Hawai'i begins to meet its renewable energy goals, electric vehicles could be a completely clean source of transportation.

Moreover, electrical vehicles are silent, create no air pollution, and need little maintenance. No tune ups, oil changes, or radiator repairs are necessary (these items simply don't exist on an electrical car).

I do not support deletion of the requirement for an increasing number of EV designated parking spaces as the number of EVs increases. This measure is a smart means to minimize the current burden on parking property owners, but recognizes that as the number of EVs increase we will need a greater number of parking spaces. The current law could also be improved by removing the aggregate number of EV spots across a number of owner's lots and increasing the penalties for illegally parking in an EV parking spot.

SUGGESTED AMENDMENTS:
Amending Section 3 to remove this language:

[Owners of multiple parking [lots] facilities within the State may designate and electrify fewer parking spaces than required in one or more of their owned properties as long as the scheduled requirement is met for the total number of aggregate spaces on all of their owned properties.]

Amending Section 3 to keep the current language:
When the number of registered electric vehicles in the State reaches five thousand, the spaces designated for electric vehicles shall increase to two per cent of parking spaces. The number of spaces designated for electric vehicles shall continue to increase by one per cent for each additional five thousand electric vehicles registered in the State until the percentage reaches ten per cent of parking spaces.

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(b) Any citation issued under this chapter may be mailed to the violator pursuant to section 291C-165 (b).

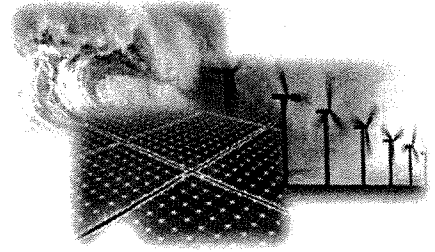
Thank you for this opportunity to provide testimony.

Brian Bell

4626 Sierra Dr

Honolulu, HI 96816

808-227-7087



HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

February 8, 2011, 9:00 A.M.

Room 325

(Testimony is 2 pages long)

TESTIMONY IN SUPPORT OF HB 1016 HD1, SUGGESTED AMENDMENT

Chair Morita and members of the Committee:

The Blue Planet Foundation supports HB 1016 HD1, a measure which clarifies electric vehicle (EV) parking incentives and amends the law requiring designated EV parking. While we strongly support incentives to encourage EV use, such as the availability of charging systems in public lots, we understand the concerns raised by some parking lot owners and accept the amendments proposed in HB 1016 HD1. We do not support, however, the repealing the requirement that public parking lot owners provide an increasing percentage of EV-designated parking spots as the number of registered EVs increases.

Proper incentives and requirements for electric vehicle infrastructure will foster rapid development of Hawaii's transportation future. Electric vehicles will play an integral role in Hawaii's clean energy future. By using stored electrical energy, EVs can take advantage of intermittent solar, wind, and other clean energy resources. Most vehicles sit idle over 22 hours of the day, so they can become *de facto* energy storage devices if their batteries are plugged into the grid when they are not in use. With smart grid infrastructure in place, EVs become an essential component to electricity load and clean energy resource balancing—in addition to providing clean mobility solutions for Hawaii's residents.

Electric vehicles today have evolved from their "golf cart" roots. In fact, one new production model, the Tesla Roadster, is a high-end sports car that can accelerate from zero to 60 miles per hour in under four seconds—beating almost all regular internal combustion engines on the road today. The drawback, however, is its price. As with most full performance EVs, the battery technology currently adds considerable expense to the cost of the EV. But this technology is evolving quickly, and new production EVs (such as the Nissan Leaf) are available at a more modest price. Many more mainstream EVs will be coming to market in Hawaii within the next 3 to 5 years.

House Bill 1016 HD1 clarifies the existing policies that exist in different forms (county statutes, etc.) that EVs are exempt from fees in governmental parking spots. The measure also delays

Jeff Mikulina, executive director • jeff@blueplanetfoundation.org

55 Merchant Street 17th Floor • Honolulu, Hawaii 96813 • 808-954-6142 • blueplanetfoundation.org

and clarifies the new requirements for parking lots that accommodate public parking to designate 1% of parking stalls for EVs. Blue Planet supports those changes.

Blue Planet doesn't support the existing law's allowance to reduce the number of EV spots in one parking lot as long as the aggregate number of EV spots across an owner's lots complies with the law. This may defeat the purpose of encouraging EV use by ensuring that most public parking lots have available charging infrastructure. Second, we do not support the deletion in HB 1016 HD1 of the requirement for an increasing number of EV-designated parking stalls as the number of registered EVs increases in the state. Providing this schedule of steadily increasing EV charging capacity requirements over time would prepare building owners and managers for the upcoming requirements and help their EV investment decision making. Such a policy would also help to overcome the "chicken and the egg" problem of customer EV adoption; if residents know that infrastructure is coming, they will feel more comfortable about investing in a vehicle.

SUGGESTED AMENDMENTS

Page 3, lines 4 to 8 (delete existing language):

~~[Owners of multiple parking facilities within the State may designate and electrify fewer parking spaces than required in one or more of their owned properties as long as the scheduled requirement is met for the total number of aggregate spaces on all of their owned properties.]~~

Page 3, lines 9 – 15 (keep existing language):

When the number of registered electric vehicles in the State reaches five thousand, the spaces designated for electric vehicles shall increase to two per cent of parking spaces. The number of spaces designated for electric vehicles shall continue to increase by one per cent for each additional five thousand electric vehicles registered in the State until the percentage reaches ten per cent of parking spaces.

We are happy to work with the Committee on any further amendments to this measure.

Thank you for the opportunity to testify.

Testimony before the House Committee on Energy & Environmental Protection

H.B. 1016 HD 1 Relating to Transportation Energy Initiatives

**Tuesday, February 8, 2011
9:00 a.m., Conference Room 325**

**By Mark Yamamoto
Director
Energy Solutions Engineering Division
Hawaiian Electric Company, Inc.**

Chair Morita, Vice Chair Coffman and members of the Committee:

My name is Mark Yamamoto, and I am testifying on behalf of Hawaiian Electric Company, Inc., and its subsidiary utilities, Maui Electric Company, Ltd., and Hawaii Electric Light Company, Inc.

H. B. 1016 HD 1 increases availability of facilities to support electric vehicles by amending Section 291 HRS. The bill requires all parking facilities that have at least 100 parking spaces available for public accommodation to designate one percent of those public parking spaces for exclusive use of electric vehicles by July 1, 2012 – with at least one of these spaces equipped with an electric vehicle charging system.

Hawaiian Electric Company strongly supports H.B. 1016 HD 1.

Increased consumer acceptance of electric vehicles will aid in the reduction of greenhouse emissions and fossil fuel use and will help enable the Hawaii Clean Energy Initiative's goal of 70% clean, renewable energy by 2030.

Thank you for the opportunity to testify.

Revised Statement of

Brian Goldstein

Better Place Inc.

745 Fort Street, Suite 2100

Honolulu, Hawaii 96813

Before the

HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

February 8, 2011 9:00 pm

Conference Room 325

HB1016 H.D. 1

RELATING TO TRANSPORTATION ENERGY INITIATIVES

Chair Morita, Vice Chair Coffman and Members of the Committee.

Better Place coordinates with Hawaii utilities, automobile dealers, state and county governments and other stakeholders to deploy an electric vehicle charging network powered by renewable energy.

Better Place Hawaii supports HB1016 H.D. 1 with one modification to the charging standard.

Section 3 of the bill clarifies the parking requirement to include parking lots and parking structures that are “available for public accommodation”. Title III of the ADA, pertaining to public accommodations and commercial facilities, defines public accommodations to include any building or outdoor space through which any person can enter, with or without a fee.

In Section 3 we request a slight modification to the definition of “electric vehicle charging system.” We recommend that EV charging systems be compliant with the SAE J1772 AC Level 2 standard:

“Electric vehicle charging system” means a system that meets recognized standards, including SAE J1772, AC Level 2 of the Society of Automotive Engineers; is designed in compliance with article 625 of the National Electrical Code; and delivers electricity from a source outside an electric vehicle into one or more electric vehicles. An electric vehicle charging system may include several charge points simultaneously connecting several electric vehicles to the system.”

Thank you for the opportunity to testify on this matter.

coffman3 - Sean

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 07, 2011 5:40 PM
To: EEPtestimony
Cc: mrgach@att.net
Subject: Testimony for HB1016 on 2/8/2011 9:00:00 AM

Testimony for EEP 2/8/2011 9:00:00 AM HB1016

Conference room: 325
Testifier position: comments only
Testifier will be present: No
Submitted by: Michael Gach
Organization: Individual
Address:
Phone:
E-mail: mrgach@att.net
Submitted on: 2/7/2011

Comments:

I urge stronger language to promote the use of electric vehicles. Make 6 out of 100 parking spaces required for electric cars. Make the fine for violation \$100 or more.