



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

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Statement of
LUIS P. SALAVERIA
Director
Department of Business, Economic Development, and Tourism
before the
HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION
Tuesday, March 17, 2015
8:30 a.m.
State Capitol, Conference Room 325
in consideration of
SB 1316, SD2
RELATING TO ELECTRIC VEHICLES.

Chair Lee, Vice Chair Lowen, and Members of the Committee.

The Department of Business, Economic Development & Tourism (DBEDT) offers comments on SB 1316, SD2, Relating to Electric Vehicles. DBEDT supports the intent of the bill, however DBEDT is concerned about unintended consequences and specific language used in SB 1316, SD2.

A very important sector for the adoption of EVs and deployment of EV charging stations in Hawaii are multiple unit dwellings, such as condominiums, apartments and townhomes. In Hawaii, about 39% of all households reside in multi-family dwellings. Establishing clear guidelines for Board of Directors will remove uncertainty regarding charging station installation and will promote EV adoption. Charging EVs in multi-family dwellings are a challenge and access is limited. Costs are a major barrier when installing another meter and running additional power in the parking garage to a designated stall.

SB 1316 SD2 could inadvertently create a barrier to EV adoption and may be onerous if the EV driver or "stakeholder" is financially responsible for the audit, given that the specific language in the bill doesn't specify this obligation and the cost could potentially be a significant increase in the cost of acquiring an EV charging station. Similarly DBEDT would like clarity on the definition of "current," specifically, the length of time a "current" audit would be valid for.

Thank you for the opportunity to offer these comments regarding SB 1316, SD2.



HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

March 17, 2015, 8:30 A.M., Room 325

(Testimony is 1 page long)

TESTIMONY IN SUPPORT OF SB 1316

Aloha Chair Lee, Vice Chair Lowen and members of the Committee:

Blue Planet Foundation supports SB 1316, which would require multi-dwelling unit boards to make a decision on EV charger station installation requests within 60 days or two board meetings.

This bill would provide a modicum of enforcement for Act 186, Hawaii Revised Statutes, Section 196-2.5, a homeowners right to place an EV charging station in a multi-unit dwelling building. Presently, there are no time requirements for boards to respond to such requests.

Thank you for this opportunity to testify.



March 15, 2015

Aloha Committee Members,

EV Structure strongly supports SB1316 SD2

This bill serves to enforce timely compliance with Act 186, Hawaii Revised Statutes Section 196-2.5 that states that **no person shall be prevented from installing an electric vehicle charging system on or near the parking stall of any multi-family residential dwelling or townhouse that the person owns.**

This bill simply provides a pathway for a timely approval to be made and does not force electric vehicles charging stations to be installed where economic or technical factors prevent it. All of Hawai'i's residents should have the right to choose more efficient transportation solutions and this bill helps to facilitate that right.

The following amendment that was incorporated into the bill is meant to encourage best practices and due diligence on the part of the board of directors, in order to ensure accuracy and fairness for all potential shareholder requests in regards to economical and technical barriers that may exist in the installation of an electric vehicles charging stations:

To ensure comprehensive and accurate cost and impact of installation, the board of directors shall not make a decision to approve or approve with reasonable restrictions until receipt of supporting documentation on the current transformer load capacity and a current energy audit.

When requests come in for approval to install an electric vehicle charging system, the board of directors should also have available current transformer load analysis and energy audit data in order to ensure the shareholder has an accurate approximation for the cost and impact of the installation.

Currently, transformers in the typical MuD building across the US have a capacity that allows for the installation of approximately six (6) Level II electric vehicle chargers. The subsequent request to install an electric vehicle charging system could require a **transformer upgrade, which can cost ~\$35,000**. Along with being a best practice of good energy management, it is critical that the board of directors and requesting shareholders understand the capacity of the transformer before approval to install an electrical charging system is given. In conjunction with

energy audit data, this data will give the board of directors and the shareholders a more accurate and comprehensive idea of the cost and impact of adding an electric vehicle charging station. Subsequently, this data lays the foundation for investigation of energy saving opportunities throughout the building and the development of an "EV Plan" for the board of directors for subsequent requests for installation of an electric vehicle charging station. Information made available through this data could remove **tens of thousands of dollars from installation costs of electric vehicle charging system requests if energy saving methods are applied that can reduce energy consumption and further avert transformer upgrades at present and subsequent electric vehicle charging station installation requests.**

Mahalo for your consideration,

Todd Ritter

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TO THE HAWAI'I STATE SENATE

**THE TWENTY-EIGHTH LEGISLATURE
REGULAR SESSION OF 2015**

**TUESDAY, MARCH 17, 2015
8:30am Conference Room 325**

SENATE BILL NO. 1316 SD2 - RELATING TO ELECTRIC VEHICLES

COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

**TO THE HONORABLE Representative Chris Lee, Chair
THE HONORABLE Representative Nicole E. Lowen, Vice Chair
AND MEMBERS OF THE COMMITTEE**

Hawaiian Electric Vehicle Network strongly support SB 1316 would like to submit **testimony in strong support of** which requires homeowner associations to decide within 60 days of a completed request for installation an electric vehicle charging system. This bill aligns with the Hawai'i Clean Energy Initiative goal of producing additional clean, renewable energy in Hawai'i by providing faster decision making on electric vehicle infrastructure.

About 20% of the state's primary energy usage is due to ground transportation, which is almost entirely based on imported fossil fuels. Electric vehicles provide a more efficient transportation vehicle that reduces our fossil fuel consumption and improves our environment.

Currently, there are about 4,000 electric vehicles out of 1 million cars in Hawai'i (0.4%). However, in 2014, out of 50,000 new cars sold, about 1,500 were electric vehicles (3.0%). Thus, electric vehicles are slowly becoming a larger part of our State's overall vehicle fleet.

Yet, as the demand for electric vehicles grows, so does the demand for charging stations. There are currently about 300 commercially run charging stations at 160 sites across the state. As homeowners want the convenience of charging their electric vehicles at home, which is the primary mode of charging by over 80% of EV owners in Hawai'i and nationwide, it will become more important and timely to make decisions on the installation of EV charging stations. This bill will provide EV charging station applicants less bureaucratic frustration, a quicker turnaround time, and reduced financial expenses as they wait for a shorter amount of time.

This bill simply provides a pathway for a timely decision to be made and does not force EV charging stations to be installed where economic or technical factors prevent it. SB 1316 will also accelerate the deployment of Electric Vehicles in Hawai'i, and consequently lessen our State's dependence and expenditures on imported foreign oil, and improve our environment, energy security and independence, and overall sustainability. In Hawaii, about 39% of all households reside in multi-family dwellings, so this legislation will provide clarity and the ability for a large number of individuals and families to make informed decisions on transitioning to clean energy transportation.

Thank for the opportunity to submit testimony.



Email: communications@ulupono.com

HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION
Tuesday, March 17, 2015 — 8:30 a.m. — Room 325

Ulupono Initiative Strongly Supports SB 1316 SD 2 with an Amendment, Relating to Electric Vehicles

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee:

My name is Murray Clay and I am Managing Partner of the Ulupono Initiative, a Hawai'i-based impact investment company that strives to improve the quality of life for the people of Hawai'i by working toward solutions that create more locally grown food, increase clean, renewable energy, and waste reduction. We believe that self-sufficiency is essential to our future prosperity, and will help shape a future where economic progress and mission-focused impact can work hand in hand.

Ulupono strongly supports SB 1316 SD 2, which requires homeowner associations to decide within 60 days of a completed request for installation of an electric vehicle charging system. This bill aligns with our goal of producing more clean, renewable energy in Hawai'i by providing faster decision making on electric vehicle infrastructure.

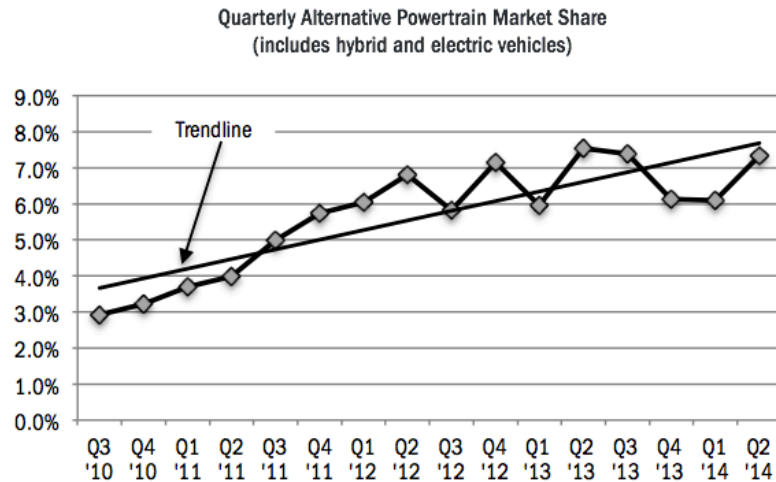
About 20% of the state's primary energy usage is due to ground transportation, which is almost entirely based on imported fossil fuels. Electric vehicles provide a more efficient transportation vehicle that reduces on fossil fuel consumption.

According to DBEDT's monthly energy trends, in January 2015, there were 3,243 electric vehicles out of 1,086,439 passenger vehicles in the state (0.3%). However, the 3,243 electric vehicles represent an increase of 1,021 electric vehicles (45.9% growth) since January 2014. Meanwhile, total passenger vehicles in Hawai'i dropped by 2.1% from January 2014. Thus, electric vehicles are slowly becoming a larger part of our vehicle fleet.

Investing in a Sustainable Hawai'i

MARKET TRACKER: HYBRID AND ELECTRIC VEHICLES

Hybrid & Electric Share Moves Higher in 2Q '14



| State Hybrid and Electric Vehicle New Retail Registrations 2009 thru 2013 and YTD '14 thru June | | | |
|---|---------|-----------|-------|
| Year | Hybrids | Electrics | Total |
| 2009 | 1102 | 15 | 1117 |
| 2010 | 1025 | 2 | 1027 |
| 2011 | 1299 | 338 | 1637 |
| 2012 | 2403 | 341 | 2744 |
| 2013 | 2550 | 775 | 3325 |
| YTD '14 (June) | 1418 | 394 | 1812 |

New registrations of hybrid and electric vehicles were 1,812 units for the first six months of 2014.

Source: Polk.

Yet, as the demand for electric vehicles grows, so does the demand for charging stations. There are currently about 300 commercially run charging stations at 160 sites across the state. As homeowners want the convenience of charging their electric vehicles at home, it will become more important and timely to make decisions on the installation of EV charging stations. This bill will provide EV charging station applicants with less bureaucratic frustration, a quicker turnaround time, and reduced financial expenses as they wait for a shorter amount of time.

Ulupono is concerned that the requirement for an assessment of transformer load capacity or an energy audit could be used to hold up due consideration for EV charging stations. Therefore, we request that this committee insert language to clearly direct that such assessments or audits be limited in scope to ascertaining if the electrical system the charging station would be connected to can handle such a system's demands without negative impacts on demand currently served by the system. Furthermore, we request that if either the requestor or an EV charging station installer is willing to cover the cost of such an assessment or audit that the relevant entity controlling the site (building owner, management, or owner's association, etc.) must permit access to the site to make such an assessment or audit possible.

As renewable energy and energy efficiency technology improves some of the decision-making processes in the state need to be updated to accommodate these new technologies. This bill simply provides a pathway for a timely decision to be made and does not force EV charging stations to be installed where economic or technical factors prevent it. All of Hawai'i's residents should have the right to choose more efficient transportation solutions and this bill helps to facilitate that right.

As Hawai'i's energy issues become more complex and challenging, we appreciate this



committee's efforts to look at policies that support renewable energy production.

Thank you for this opportunity to testify.

Respectfully,

Murray Clay
Managing Partner

lowen2-Thomas

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, March 15, 2015 9:57 PM
To: EEPtestimony
Cc: jamesjtz@aol.com
Subject: *Submitted testimony for SB1316 on Mar 17, 2015 08:30AM*

SB1316

Submitted on: 3/15/2015

Testimony for EEP on Mar 17, 2015 08:30AM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| James Gauer | Individual | Support | No |

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 16, 2015 1:18 PM
To: EEPtestimony
Cc: mgstudioart@yahoo.com
Subject: Submitted testimony for SB1316 on Mar 17, 2015 08:30AM

SB1316

Submitted on: 3/16/2015

Testimony for EEP on Mar 17, 2015 08:30AM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Marcia Giese | Individual | Comments Only | No |

Comments: This is for: SB 1316 has been scheduled for a hearing in the House Energy and Environmental Protection Committee tomorrow at 8:30am in Conference Room 325. I recently wrote Sen. Gabbard about the problem EV owners have in charging their EV cars. Since I live in public housing I can't very well throw an electric cord out my window to charge my car so I depend on free charges from Volta at Ala Moana when I shop there or at the University of Hawaii when I visit there once a week. I notice at the University that out of it's 4 chargers that one is broke and not tended to. The others work maybe 50% of the time and that is if I get to the charger before the masses come in to charge their cars. This means getting up three hours before I have to so that I can arrive at the University three hours before I have to be there in order to charge my car. Hardly what you would call a convenience. Most of the people I talk to are leasing their cars as a trial to see if this is really the way to go. It totally made sense to me before I leased but I'm finding that although on paper EV's are the way to go it is quite a different reality especially when there is a law in place Act 89 that no one wants to enforce. Why would you have a law without enforcement and now you are instituting SB 704 which would require the county building permit agencies to enforce the provisions of Act 89. It would also require 1 EV parking place per 100 parking space. You are putting the cart before the horse so to speak if you can't or won't provide enforcement of a law already on the books. SB 1316 would put a 60 day time limit on the approval process for the installation of EV parking stalls at multi-family dwellings. Here again is a great idea with no back up of enforcement. I say this because even when you visit Aloha Stadium with 8,00 parking spaces only one charger is provided with two charging cords neither of which work. I tried calling the telephone number on the charger and for over a day it rang busy. Apparently they can't even get a phone to work. Volta offers free installation and services Ala Moana Shopping Center and offers the same installation service for the State. Why bother with these other Chargers that don't work. The NEX and other Military installations also it seems would or should be leaders in providing it's employees and Vets with such a provision. They should be in the forefront should be in protecting our environment including our air and resources so that we don't have to rely on oil whether it be from other countries or stripping our own of it's natural resources. Yet even they say that they don't have to abide by the laws of the state as they are Federal and above the laws that aren't enforced anyway. We all have got to do our part to protect our environment and be proactive in doing something positive before we ruin this beautiful country. Please do something to help our environment and at least make it look as though Hawaii does care about our future and the future of those who follow us. Thank you for listening Don't let your Aloha die, Marcia Giese SB 1316 has been scheduled for a hearing in the House Energy and Environmental Protection Committee

tomorrow at 8:30am in Conference Room 325.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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