

**HB-803**

Submitted on: 2/5/2021 12:30:40 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Ruta Jordans	Individual	Support	No

Comments:

The infrastructure for electric vehicles is important to be in place as more people are driving them. Please support this bill!

**HB-803**

Submitted on: 2/6/2021 10:42:21 AM

Testimony for EEP on 2/9/2021 9:00:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Justin R Carvalho	Individual	Support	No

Comments:

**To the Leaders of Hawaii,**

**On behalf of myself a lifetime resident of Kauai, I write in strong support of HB803.**

**Making parking lots electric vehicle charger ready will help prepare Kauai and Hawaii for the exponential EV growth that analysts predict. One of the greatest challenges is not only having chargers available but making sure that the chargers actually work.**

**Electric cars are the future of personal vehicles – they’re [more efficient](#) than conventional gasoline options, cost [far less to operate](#), and enable significant reductions in greenhouse gas emissions.**

**Most electric vehicle drivers do [more than 80%](#) of their charging at home, renters and condo-dwellers are at a big disadvantage.**

**Many of Hawaii’s EV drivers live in apartments or condos, and 80% of EV charging takes place at home. Having chargers at the multi-unit dwellings not only allow for democratization of sustainable transportation and benefit the EV-driving current residents, but also the developers as it attracts new EV drivers, increases property values and has potential for LEED points.**

**The public charging infrastructure benefits greatly our socially disadvantaged members who can not charge at home because they rent, or live in apartments. It also benefits the people who drive older models with shorter range.**

**Justin Carvalho**

**HB-803**

Submitted on: 2/6/2021 10:47:34 AM

Testimony for EEP on 2/9/2021 9:00:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Justin Carvalho	Mission Zero Hawaii	Support	No

Comments:

**To the Leaders of Hawaii,**

**On behalf of Mission Zero Hawaii, Hawaii's largest electric car rental business based out of Kauai, I write in strong support of HB803.**

**Making parking lots electric vehicle charger ready will help prepare Kauai and Hawaii for the exponential EV growth that analysts predict. One of the greatest challenges is not only having chargers available but making sure that the chargers actually work.**

**Electric cars are the future of personal vehicles – they're [more efficient](#) than conventional gasoline options, cost [far less to operate](#), and enable significant reductions in greenhouse gas emissions.**

**Most electric vehicle drivers do [more than 80%](#) of their charging at home, renters and condo-dwellers are at a big disadvantage.**

**Many of Hawaii's EV drivers live in apartments or condos, and 80% of EV charging takes place at home. Having chargers at the multi-unit dwellings not only allow for democratization of sustainable transportation and benefit the EV-driving current residents, but also the developers as it attracts new EV drivers, increases property values and has potential for LEED points.**

**The public charging infrastructure benefits greatly our socially disadvantaged members who can not charge at home because they rent, or live in apartments. It also benefits the people who drive older models with shorter range.**

**Justin Carvalho**

February 6, 2021

Aloha Chair Lowen, Vice Chair Marten, and EEP Committee members,

As an EV driver on Kaua'i, I am writing in **strong support of HB803**. Hawai'i's counties are all facing different situations with regards to EV charging regulations, and this bill lets them take reasonable and appropriate enforcement actions.

Here in Kapa'a, the most populous town on Kaua'i, we have a low number of chargers, several that don't work, and some that were never turned on. I know renters who rely on public chargers and struggle to keep their EV charged to get to and from work. And because there are fewer chargers, they are more often occupied.

Even though I am fortunate to own a home and charge in my driveway, I still use public chargers when my battery runs low—the time when you least want to find a blocked or broken charger.

Hawai'i had the foresight to mandate chargers in large parking lots, but there seems to be no consequences for non-compliance. The broken and missing chargers are limiting EV adoption, especially for renters and apartment/condo dwellers. Please pass this bill so that counties can make and enforce reasonable ordinances to keep clean and renewable transportation feasible for all.

Mahalo,

Andrew R. Kass  
302 Makani Rd  
Kapa'a, HI 96746  
808-822-1794  
EV driver since 2014  
Hawaii resident since 2003

**HB-803**

Submitted on: 2/6/2021 12:04:28 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Robert B Huber	Environmental Caucus of The Democratic Party of Hawaii	Support	No

Comments:

I'm in support for more charging stations , regulating them by the individual counties makes sense since all islands have different demand .Making sure they are in working order .and all new stations to be at least level 2 and interner compatible is what we need as a state moving into the future.

## Hawaii Electric Vehicle Association

PO BOX 6310  
Hilo, HI 96720  
hawaiidriveelectric@gmail.com



February 6, 2021

Dear Chair Lowen, Vice-Chair Marten, and EEP Committee members,

### **Hawaii Electric Vehicle Association is in strong SUPPORT of HB803.**

To achieve Hawaii's sustainable transportation and climate goals, we have to electrify ground transportation on our islands as soon as possible. Thankfully, automakers are heeding the demand for zero-emission vehicles and are providing consumers with choice and affordability. We need to respond to the inevitable increase in EV adoption by expanding our charging infrastructure. This will ensure that vehicle charging station access does not hamper our efforts to decarbonize.

A substantial number of properties across Hawaii with over 100 parking spaces have either no electric vehicle (EV) chargers or have chargers in disrepair. Projects that would normally require the installation of EV parking and charging infrastructure continue to move forward without the requirement being met. Additionally, charging station owners and property managers with faulty equipment have told inquiring electric vehicle drivers that there is no requirement for them to keep charging stations operational! Lastly, some projects result in the installation of stations with less than Level 2 output, resulting in unnecessarily long wait times. Without rules to enhance and enforce HRS 291-71, this will not change.

Importantly, reliable public EV charging stations are needed to ensure equitable access to sustainable transportation. Much of Hawaii's LMI/ALICE (Asset Limited, Income Constrained, Employed) communities don't have the luxury of home charging and will depend on public charging. Ubiquitous and reliable public EV chargers allow for the democratization of the electric vehicle and enable all segments of our community to enjoy the economic and environmental benefits of clean transportation.

Working public charging infrastructure is essential to support the expected growth in EV adoption in Hawaii and to ensure equitable access to EVs. HB803 will help us achieve the intent of HRS 291-71 and ensure that EV charging does not become a limiting factor to our transition to a clean transportation future. Thank you for your support of HB803.

Sincerely,

A handwritten signature in black ink, appearing to read "Noel Morin".

Noel Morin - President

A handwritten signature in black ink, appearing to read "Sonja Kass".

Sonja Kass - Director

**Hawaii EV Association** is a grassroots non-profit group representing electric vehicle owners in Hawaii. Our mission is to accelerate the electrification of transportation through consumer education, policy advocacy, and electric vehicle charging infrastructure expansion. For more information, please visit [hawaiiev.org](http://hawaiiev.org).

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Traci N. T. Fujita, Esq.

**COUNTY COUNCIL**  
COUNTY OF MAUI  
200 S. HIGH STREET  
WAILUKU, MAUI, HAWAII 96793  
[www.MauiCounty.us](http://www.MauiCounty.us)

February 7, 2021

TO: Honorable Nicole E. Lowen, Chair  
House Committee of Energy & Environmental Protection

FROM: Alice L. Lee  
Council Chair 

DATE: February 8, 2021

SUBJECT: **SUPPORT OF HB 803, RELATING TO ELECTRIC VEHICLES**

Thank you for the opportunity to testify in **SUPPORT** of this important measure. The purpose of this measure is to authorize each county to adopt ordinances to enforce Section 291-71, Hawaii Revised Statutes, including the establishment of penalties for failure to comply with its requirements or make reasonable efforts to maintain electric vehicle charging stations in working order.

The Maui County Council has not had the opportunity to take a formal position on this measure. Therefore, I am providing this testimony in my capacity as an individual member of the Maui County Council.

I **SUPPORT** this measure for the following reasons:

1. The measure allows counties to better enforce electric vehicle ordinances.
2. This measure encourages the use of electric vehicles and ensures each new electric vehicle charging system installed or placed in service is at least a level 2 charging station that is capable of connecting to the Internet.
3. The measure also addresses the problem of poor maintenance by requiring reasonable efforts be made to keep electric vehicle charging systems in working order.

For the foregoing reasons, I **SUPPORT** this measure.

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**HB-803**

Submitted on: 2/7/2021 9:45:18 AM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Kevin Kern	Individual	Support	No

Comments:

I don't get why, but there is a contingent through out the US, including Hawaii, that seems to want to block charging excess as a form of trolling. Change makes some feel upset and they can decide to lash out against change, but enforcement by authorities is necessary as a reasonable defense to this behavior.



**HB-803**

Submitted on: 2/7/2021 10:47:28 AM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Tom Aitken	Individual	Support	No

Comments:

Please support this bill to adequately In force regulations involving electric vehicles.

**HB-803**

Submitted on: 2/7/2021 11:04:36 AM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Nadya Penoff	Individual	Support	No

Comments:

All too often we encounter in Kauai charging stations that no longer function. This can leave us vulnerable to being stuck away from home, unable to get to or return from work, unable to transport our children and kapuna. Public charging stations need to be responsibly maintained and repaired when broken. Thank you!

**HB-803**

Submitted on: 2/7/2021 11:27:53 AM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Ronald FitzGerald	Individual	Support	No

Comments:

Please support this Bill HB803.

- Having more electric vehicles and fewer gas-powered vehicles on our streets will help us reach our climate goals, especially when paired with more renewable energy becoming available on our island grids.
- Electric vehicles have lower lifetime costs, because they are so much more efficient, and because there is hardly any maintenance.
- Switching to electric vehicles is one of the biggest steps we can take to reduce our dependence on oil and cut dangerous air pollution.

**HB-803**

Submitted on: 2/7/2021 11:32:44 AM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
lyman jakahi	Individual	Support	No

Comments:

i support this bill.

**HB-803**

Submitted on: 2/7/2021 12:10:14 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Albert E Beeman	Big Island EV Association	Support	No

Comments:

This is very necessary as all car makers are moving to selling only EV and trucks all competing for the very limited number of charging stalls available.

Here on the Big Island Hilo-side the Home Depot EV charger was broken for several months!

This bill aligns perfectly with Hawaii's renewable energy only timeline.

Mahalo,

Al Beeman

**HB-803**

Submitted on: 2/7/2021 12:22:04 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Lorn Hoku Douglas	Individual	Support	No

Comments:

Each step supporting EV adoption is a step forward....Please vote YES!

Lorn DOuglas  
Big Island

**HB-803**

Submitted on: 2/7/2021 12:22:59 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Heidi Emmons	Individual	Support	No

Comments:

I live in Waimea and need 100% battery to get hom from a trip to Kona. Costco only has one charging station which is frequently busy (we have just had at least a half a dozen new Teslas come to town!). The charger at Walmart doesn't work. It can be a challenge to get home which is very frustrating and leaves me reconsidering driving the electric vehicle to town, which is a shame.

As a concerned Hawaii EV owner/driver and home owner I strongly support HB803 to insure EV charging resources are available to when we need to charge our EVs. Its too common and there is currently no enforcement for when non-EVs park in the legal authorized reserved EV charging station parking spaces. Can you for a moment imagine the outrage and risk of road rage from people at gas stations if an EV owner parked their EV at a gas pump? No, we do not need to park there. But it has the same effect when non-EV's are parked in EV charging station parking spaces. And there is simply an inadequate supply or available alternative EV charging stations to visit when this occurs. There's no logical reason except ignorance, rudeness or indifference to fellow vehicle owners when a non-EV driver parks in a EV charging station parking space. Please provide parking enforcement via fines to those that park non-EVs in EV charging stations.

I am fortunate to be able to charge my EV at home. But many members of my local club of EV owners are not so lucky. I heard their stories of being unable to charge not because another EV is charging, but because a non-EV is using the charging station for regular (unauthorized) parking. And I also hear stories from some fellow EV owners that too often when they get to the EV charging station its not working. That not only denies them the resource to charge their EV, the non-EV drivers thinks they are justified in parking in the charging station. Help us stop this problem.



**HB-803**

Submitted on: 2/7/2021 1:32:45 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
eric jang	Individual	Support	No

Comments:

I support this bill

**HB-803**

Submitted on: 2/7/2021 2:07:43 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Ron Reilly	Individual	Support	No

Comments:

Thank you Chair Lowen and Members of the Committee on Energy & Environmental Protection for hearing HB803.

I strongly support HB803. I have been driving an all-electric Kia Soul EV for five years. During this time I have been a frequent user of commercial public EV charging stations on Hawaii Island.

I have found the free phone app Plugshare to be a great help in checking the location and status of our public charging stations. Factual comments from actual EV drivers range from excellent – thank you, to... don't visit this charger it's broken – has been for months. The on-going record of good and bad Plugshare comments highlights the need for this legislation.

Thank you, Ron Reilly Volcano Village HI 96785

Member Big Island EV Association

**HB-803**

Submitted on: 2/7/2021 2:46:13 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Kenneth Eisner	Individual	Support	No

Comments:

This is a needed measure. I support it fully.

**HB-803**

Submitted on: 2/7/2021 3:32:09 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Caroline Azelski	Individual	Support	No

Comments:

Please support.

**HB-803**

Submitted on: 2/7/2021 4:59:50 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Mike Tiktinsky	Individual	Support	No

Comments:

Aloha. I submit this testimony in support of HB803. When my wife and I moved to the Big Island, we brought our electric vehicle with us as we had seen and learned that there were a number of charging stations. Our experience has been that, while there are charging stations, many are nonfunctional. Digital displays are often sun damaged and unreadable and methods of payment unclear and difficult to use. We went to the Walmart in Kona one day and asked inside about the dysfunctional charging station. The store manager knew nothing about it. One nonworking charging station in Waikaloa had a phone number to call for help. The response was that the person with whom I spoke knew that the station was not working and that the entire state had 1 technician located on Oahu. The person with whom I spoke indicated that the company had no idea when that person would get to the Big Island. Finally, my wife went up to Waimea just before Christmas assured by the HELCO website that there were 3 separate charging stations and a public park open to recharge the battery. Not one worked. Even a Tesla driver from Hilo told her he was frustrated because he was unable to find a charging station in Hilo or Waimea that worked. Even the HELCO station was not functioning. She drove to Waikaloa only to find that the HELCO station was similarly dysfunctional. At that point, she had to call for a tow home and wait two hours for the driver to arrive since she did not have adequate battery to make it home.

If the State wants to seriously encourage the conversion to electric vehicles, the state must assure car owners that EV charging stations are reliable, convenient and easily available. Absent these, few people will want to convert from their gasoline or diesel power. More importantly, EV car owners will give up their cars because of severe limitations on their use.

Mahalo.

**HB-803**

Submitted on: 2/7/2021 5:13:24 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Climate Protectors Hawaii	Climate Protectors Hawaii	Support	No

Comments:

To: The Honorable Nicole Lowen, Chair,

The Honorable Lisa Marten, Vice Chair, and Members of the

House Committee on Energy and Environmental Protection

From: Climate Protectors Hawaii (by Ted Bohlen)

Re: Hearing HB803 RELATING TO ELECTRIC VEHICLES

Tuesday February 9, 2021, 9:00 a.m., by videoconference

Position: **STRONG SUPPORT of HB803!**

Aloha Chair Lowen, Vice Chair Marten, and Energy and Environmental Protection Committee members:

The Climate Protectors Coalition is a group inspired by the Mauna Kea Protectors but focused on reversing the climate crisis. The planet faces an existential climate crisis and we must act now! Scientists have made clear that we are part of the last generation that can stop or at least mitigate the devastating impacts of climate change. If we are to solve the climate crisis, it will require **all of us** working together.

As a tropical island State, Hawaii will be among the first places harmed by the global climate crisis and has extra risks from more intense storms, loss of protective coral reefs, food insecurity, and rising sea levels destroying our shorelines. Hawaii is not doing enough to control climate change. Hawaii can and should be a leader in the transition to carbon neutrality and showing the world the way forward towards a safe and sustainable climate and future. We must do all we can to reduce our carbon footprint and become at least carbon neutral as soon as possible. The sooner we inspire others to take action and lead by example, the better off the future will be for our children.

It is critical in avoiding carbon emissions that Hawaii transition to electric vehicles powered by solar and other alternative energy. HB803 would help Hawaii move toward carbon neutrality by allowing counties to enforce laws to require maintenance of electric vehicle charging stations and parking space charging violations. It would also require new EV charging systems to be at least Level 2 and internet capable.

It is time to act by approving HB803!

Mahalo for the opportunity to testify in **strong support** of this very important legislation.

Climate Protectors Coalition (by Ted Bohlen)

**HB-803**

Submitted on: 2/7/2021 5:57:13 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Daniel S Kelly	Individual	Support	No

Comments:

Thankyou for your help.



**HB-803**

Submitted on: 2/7/2021 6:19:09 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Douglas Perrine	Individual	Support	No

Comments:

I support HB803

**HB-803**

Submitted on: 2/7/2021 7:35:07 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Jared	Individual	Support	No

Comments:

I support this bill

**HB-803**

Submitted on: 2/7/2021 7:36:28 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Dale	Individual	Support	No

Comments:

I am an EV owner on Kauai and am frustrated at the lack of working chargers in my home town of Kapaa. I called Chargepoint after many others had, and Kapaa Big Save charger was finally turned on. The state needs to place them in all state parks as well.

- **One station was down for over a year and over 25 tickets were filed by EV drivers with ChargePoint about this one station. The property manager called numerous times before the property management company took action. (Big Save Kapaa)**
- **3 charging stations in Kapaa were installed in 2017 and never turned on (Coconut Market Place). Several others were not turned on for 6 months to a year.**
- **Station owners and facilities managers have told EV drivers that there is no law that says the stations need to be on or repaired on more than one occasion.**



Email: [communications@ulupono.com](mailto:communications@ulupono.com)

HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION  
Tuesday, February 9, 2021 — 9:00 a.m.

**Ulupono Initiative supports HB 803, Relating to Electric Vehicles**

Dear Chair Lowen and Members of the Committee:

My name is Micah Munekata, and I am the Director of Government Affairs at Ulupono Initiative. We are a Hawai'i-focused impact investment firm that strives to improve quality of life throughout the islands by helping our communities become more resilient and self-sufficient through locally produced food; renewable energy and clean transportation; and better management of freshwater and waste.

**Ulupono supports HB 803**, which authorizes each county to adopt ordinances to enforce section 291-71, Hawai'i Revised Statutes (HRS), including the establishment of penalties for failure to comply with its requirements or make reasonable efforts to maintain electric vehicle (EV) charging stations in working order. This bill also clarifies that certain enforcement officers may enter private property to enforce EV parking space violations and requires new EV charging systems (EVCS) installed pursuant to the EV charging system requirement to be at least Level 2 and internet-capable.

Ulupono supports the enforcement of the EV parking stall standards as stated in Section 291-71, HRS. EV parking and EVCS are critical to supporting the State's clean energy and transportation goals. Our research indicates that overall compliance to HRS section 291-71 is less than 30% statewide. Clarifying the authority to enforce this law with the proper EV charging infrastructure will undoubtedly provide much needed compliance.

Thank you for the opportunity to testify.

Respectfully,

Micah Munekata  
Director of Government Affairs

*Investing in a Sustainable Hawai'i*

**HB-803**

Submitted on: 2/7/2021 7:54:20 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Thomas Martin	Deluxe Hawaiian Vacations	Support	No

Comments:

I support HB803 because the current laws provide no enforcement and operators of large parking facilities on the Big Island often do not make chargers available. By providing a means to enforce the law that requires operators of large parking facilities to make EV chargers available, there will be more chargers and operating an EV in Hawaii will be made much easier.

These chargers also need to be maintained as is currently not the case. Currently if an EV driver is in need of a charge, they may be directed to a charger that is out of order. There are many commercial chargers on the Big Island that are frequently or always out of order such as the one at Walmart in Kona, the Kona Commons on Makala Blvd and the Fairmont Orchid.

It is also important to punish those drivers who ignore the EV only signs and block EV charging parking places with their internal combustion engine vehicles. This is a frequent occurrence on the Big Island.



[KauaiEV.org](http://KauaiEV.org)  
302 Makani Rd.  
Kapaa, HI 96746  
808-652-0591

**KauaiEV**  
Kauai Electric Vehicle Association

February 6, 2021

Dear Chair Lowen, Vice Chair Marten, and EEP Committee members,

On behalf of KauaiEV, a grassroots organization with over 100 members on Kauai, I write **in strong support of HB803**.

Our members are electric vehicle drivers, and we believe that EVs are the personal transportation of the future. EVs are very efficient, and several of our members get 170 - 180 miles per gallon equivalent, so EVs are far less polluting and cheaper over their lifetime.

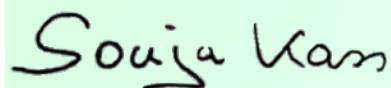
The International Energy Association recommends a ratio of 10 EVs to 1 working charger - Hawaii's lack of working chargers is an obstacle to EV adoption. Charge anxiety is a big problem for EV-driving renters, condo-dwellers and potential EV buyers. 4 of our members had to sell their EVs because they had no way to keep them charged.

On Kauai about 25% of the public chargers are turned off, in disrepair, not functioning or throttled to artificially slow down charging. At times this percentage is even higher. Even the county of Kauai throttles their chargers. When EV drivers inquired why the EV chargers were not working they were told there was no law that required them to be turned on.

Until this January the greater Kapaa area, the largest community on Kauai (over 18,000 residents) had 2 working chargers in one location, now we have 3. A few that were installed in 2017 at the Coconut Marketplace are still off, another one by the Post Office was off for a year and has been turned on this January.

Typically 80% of EV charging takes place at home, it's easy and convenient for home owners. Sadly Hawaii's LMI/ALICE (Asset Limited, Income Constrained, Employed) communities don't have the luxury of home charging. For them working public chargers are even more important. The public charging infrastructure also benefits EV owners with older models with shorter range.

Please support HB803 so that counties can adopt ordinances to enforce the requirements of section 291-71.



Sonja Kass, President KauaiEV

**HB-803**

Submitted on: 2/7/2021 8:54:46 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Steve Parsons	Individual	Support	No

Comments:

Yes, EV's Help everyone!

Mahalo,

Steve Parsons Hawaii Resident

Kapaa, HI

**HB-803**

Submitted on: 2/7/2021 8:54:55 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Sarah Matye	Individual	Support	No

Comments:

I support more electric vehicle infrastructure as it is desperately needed on island and an integral part of future society! Thank you.



**HB-803**

Submitted on: 2/7/2021 9:00:12 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
GORAN RAD	Individual	Support	No

Comments:

I am an EV driver and I STRONGLY support this measure HB 803.

On the Island of Kauai, in Kapaa, there have been numerous EV charger stations that have NOT BEEN TURNED on simply because there is no provision by the commercial property manager/owner. How does this make sense if the law exists that an EV charger has to be installed, but not working (or turned on). Please support this bill if we are headed toward a more sustainable energy-independent future. Thank you

**HB-803**

Submitted on: 2/7/2021 9:07:56 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Paxton Jerry	Individual	Support	No

Comments:

I support this bill. I have called and talked to the leasing company of my local shopping center and asked them to adhere to the law and install a charger. They tell me that they are looking into to it and each time they do nothing.

**HB-803**

Submitted on: 2/7/2021 9:27:08 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Mary Cashman	Individual	Support	No

Comments:

I support this Bill.

**HB-803**

Submitted on: 2/7/2021 9:30:47 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
John Weist	Individual	Support	No

Comments:

- Charge anxiety is a big a worry for EV-driving condo-dwellers, renters, and potential EV buyers.
- Expanded charging infrastructure access in multi-unit dwellings, workplaces, and commercial spaces also allow for democratization of sustainable transportation.
- Our LMI/ALICE (Asset Limited, Income Constrained, Employed) communities don't have the luxury of home charging.
- By expanding shared/public charging infrastructure, we enable all segments of our community to adopt electric vehicles.



**Hawaiian  
Electric**

**TESTIMONY BEFORE THE HOUSE COMMITTEE ON  
ENERGY & ENVIRONMENTAL PROTECTION**

**HB 803**

**Relating to Electric Vehicles**

February 9, 2021

9:00 AM, Agenda Item # 3

State Capitol, Conference Room 325 / VIDEO CONFERENCE

June Chee

Program Manager, Electrification of Transportation  
Hawaiian Electric Company, Inc.

Aloha Chair Lowen, Vice Chair Marten and Committee Members,

My name is June Chee and I am testifying on behalf of Hawaiian Electric Company on HB 803, Relating to Electric Vehicles. Hawaiian Electric Company supports the intent of this measure as it seeks to install additional and reliable EV infrastructure for electric vehicle drivers.

The Company seeks further clarification regarding language on page 2, line 17 which states, “capable of connecting to the internet” and suggests alternative language such as “network-capable (i.e., able to connect with a network provider)” or “networked” as found in Hawaii Revised Statute §269-72 Electric vehicle charging system; rebate program.

As the largest provider of electric vehicle fast charging in the state, Hawaiian Electric Company remains committed to EV strategies that are sustainable and helps create a bridge to a cleaner future.

Thank you for this opportunity to testify.

**HB-803**

Submitted on: 2/7/2021 10:11:53 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Sherry Pollack	350Hawaii	Support	No

Comments:

In support of this important legislation that authorizes counties to adopt ordinances to enforce charger installation and maintenance.

**HB-803**

Submitted on: 2/7/2021 11:46:23 PM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Lisa Diaz	Individual	Support	No

Comments:

**2/07/21**

**Aloha Rep. Nicole Lowen**

**Committee Chair Energy & Environmental Protection**

**AND EEP Committee Members**

**RE HB803 - Enforcement of EV Charger Installation and Parking Rules:**

**I STRONGLY SUPPORT HB803 and urge the EEP CPC, and FIN Committees to pass this bill without delay, so that Hawaii can meet our renewable energy goals, reduce emissions and mitigate climate change.**

**HB803 is important for our state to achieve renewable energy goals, reduce emissions and mitigate climate change by allowing counties to adopt laws to enforce charger installation and maintenance. If passed, this will strengthen law mandating installation of EV parking with charger installation in large parking areas/structures, plus requires charging stations to be maintained and meet standards and addresses enforcement of EV-only parking violations.**

**Mahalo to all of you for your leadership in supporting Hawaii's 2045 goal of meeting 100% Renewable Energy.**

**Lisa Diaz**

**76-223 Haoa St.**

**Kailua- Kona, HI 96740**







## HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

February 9, 2021, 9:00 A.M.

Video Conference

### TESTIMONY IN SUPPORT OF HB 803

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

Blue Planet Foundation **supports HB 803**, which boosts the effectiveness of Hawai'i's existing law that requires parking lots with 100 or more stalls to have electric vehicle (EV) charging by clarifying that (1) the counties in Hawai'i have the authority to enforce the existing requirements, (2) chargers must be reasonably maintained, and (3) installed chargers must be at least Level 2 chargers and internet-capable.

Since 2012, Hawai'i law has required that publicly accessible parking lots with 100 or more stalls have a least one EV charging station.<sup>1</sup> An earlier version of the law, enacted in 2009, required that parking lots have an EV charging port per every 100 stalls, but the requirement was softened to its existing threshold in 2012. Although a number of retailers have stepped up to offer EV charging equipment to their customers, many other properties have not complied or have not kept up with maintenance of their charging equipment. The existing law lacks an enforcement provision to ensure that businesses with publicly accessible parking lots are in compliance with the requirements in HRS § 291-171. In fact, a study conducted by Blue Planet in 2017 found that only about 25% of properties that were required to have at least one charging station actually had one in working order. Although that percentage may have slightly changed or increased, we have not seen such a drastic increase in publicly accessible charging stations to suggest that we are anywhere near full compliance.

Electric vehicles are the fastest growing segment of new cars in Hawai'i, even during a global pandemic. Over the past year (January 2020 – January 2021), EV registrations in Hawai'i grew 23.5%, while registrations of gasoline-powered vehicles dropped 3.2%.<sup>2</sup> Even as the number of EVs in the state increases steadily, adequate and accessible vehicle charging infrastructure remains a roadblock to widespread EV adoption—a problem HRS § 291-171 sought to address when it was enacted in its original form by the legislature *twelve years ago*.

The low level of compliance and lack of upkeep of chargers required in HRS § 291-71 is at odds with the legislature's intent for the law when it was first enacted in 2009. The legislature noted

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<sup>1</sup> Hawai'i Revised Statutes (HRS) § 291-71 (2012).

<sup>2</sup> DBEDT Monthly Energy Trends, January 2021 (<http://dbedt.hawaii.gov/economic/energy-trends-2/>).

boldly in its preamble that “it is essential for the State to aggressively promote and develop alternatives to fossil fuel modes of transportation.”<sup>3</sup> In addition, the legislature found that, “developing an electric vehicle infrastructure is a first and essential step toward the transformation of transportation in Hawaii” and that with “developing technology, along with a push by national and international automakers to expedite the production and supply of electric vehicles, Hawaii must be ready to embrace a new generation of highway transportation.”<sup>4</sup>

Unfortunately, we are far from the readiness envisioned back then. As legislators identified more than a decade ago, Hawai'i needs a robust public charging network to provide convenient charging and clean mobility options that are available to all Hawai'i residents, not just those that can charge their EVs at home. In addition, by adding a clarification that the installed chargers be at least Level 2 chargers, HB 803 can help ensure that publicly accessible charging stations offer meaningful charging options as opposed to “trickle charging” that is impractical for most drivers. And with internet capabilities, Level 2 chargers provide an opportunity to use vehicle charging for utility demand response or load control programs.

House Bill 803 adds important clarifications to Hawai'i's existing charger requirement so that it may fully realize the original legislative intent behind the law. We respectfully request that the Committee forward HB 803.

Thank you for the opportunity to provide testimony.

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<sup>3</sup> Act 156, Session Laws of Hawai'i 2009.

<sup>4</sup> *Id.*

**HB-803**

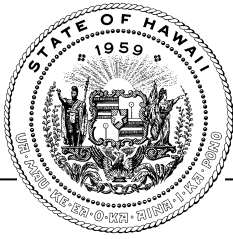
Submitted on: 2/8/2021 5:20:39 AM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Torrey Wagner	Individual	Support	No

Comments:

I live in Hilo and drive a battery-powered Ford Focus. I like the dedicated EV parking and charging stations in parking lots, and I think that well-maintained charging stations are a great incentive to increase EV ownership in Hawaii.



# HAWAII STATE ENERGY OFFICE STATE OF HAWAII

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Testimony of  
**SCOTT J. GLENN, Chief Energy Officer**

before the  
**HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION**

Tuesday, February 9, 2021  
9:00 A.M.

House conference room via videoconference

Comments in consideration of  
**HB 803**  
**RELATING TO ELECTRIC VEHICLES.**

Chair Lowen, Vice Chair Marten, and Members of the Committee, the Hawaii State Energy Office (HSEO) offers comments on HB 803, which authorizes each county to adopt ordinances to enforce section 291-71, Hawaii Revised Statutes (HRS), including the establishment of penalties for failure to comply with its requirements or make reasonable efforts to maintain electric vehicle (EV) charging stations in working order, clarifies that certain enforcement officers may enter private property to enforce EV parking space violations, and requires new EV charging systems installed pursuant to the EV charging system requirement to be at least Level 2 and internet-capable.

Emissions from ground transportation account for the largest share of energy sector emissions in the state. For Hawaii to meet its statutory target set forth in HRS §225P-5 “to sequester more greenhouse gases than emitted as soon as practicable, but no later than 2045,” programs that support the adoption of cleaner transportation options are necessary and important. Specifically addressing infrastructure to achieve those goals is directed by HRS §226-18(a)(2) “Planning for the State's facility systems with regard to energy shall be directed toward the achievement of the following objectives, giving due consideration to all: ... (2) Increased energy security and self-

sufficiency through the reduction and ultimate elimination of Hawaii's dependence on imported fuels for electrical generation and ground transportation;”

Providing the authority to ensure reasonable efforts are made to maintain EV charging stations in working order and requiring new EV charging systems installed pursuant to the EV charging system requirement to be at least Level 2 and internet-capable supports the state decarbonization efforts under HRS §225P-5 and HRS §226-18(a)(2).

Thank you for the opportunity to testify.



**TESTIMONY REGARDING HB 803**  
**House Committee on Energy and Environmental Protection**  
**February 9, 2021 at 9:00 AM**

Aloha Chair Lowen, Vice Chair Marten, and Members of the Committee:

Thank you for the opportunity to provide testimony on HB 803, which includes provisions regarding EV charging enforcement, charging standards, and penalties. We support HB 803 and suggest the following friendly amendments to strengthen it:

- Current law (section 291-71(a)) requires, by July 1, 2012, “places of public accommodation” with at least 100 publicly accessible parking spaces to designate at least one space for exclusive EV charging; this space must be equipped with an EV “charging system”, as defined. Eight years have passed since this requirement took effect and the penetration of EVs in the state, just in the past year alone, has grown substantially. As vehicle manufacturers introduce more and more EVs to the market, it is sensible and prudent for the Legislature to revisit this requirement. Accordingly, we respectfully suggest that the bill increase this requirement to at least five EV parking spaces.

Thank you for considering this testimony.

**HB-803**

Submitted on: 2/8/2021 8:13:36 AM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Gary Miller	Individual	Support	No

Comments:

I support this Bill!!

**HB-803**

Submitted on: 2/8/2021 8:23:00 AM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Nancy Walsh	Individual	Support	No

Comments:

Dear Chair Lowen, Vice Chair Marten, and EEP Committee members:

As a Kauai EV driver, I am writing in support of HB803 / SB756 [Electric Vehicles; Charging Stations; Enforcement] for the following reasons:

- Electric cars are the future of personal vehicles, and are necessary to help Hawaii reach our climate goals and cut dangerous air pollution. Analysts have forecasted exponential growth in EVs and we therefore need to plan ahead and make sure there are working chargers.
- Typically 80% of EV charging takes place at home, but many EV drivers (condo owners, renters) don't have the luxury of home charging. For them working public chargers are critical.
- On Kauai, at any given time 20-30% of the public chargers are off, broken, down or throttled to artificially slow down charging. On more than one occasion, station owners and facilities managers have told EV drivers that there is no law that says the charging stations need to be on or repaired.

HB803 is needed to use the power of enforcement to ensure electric vehicle (EV) charging stations are in working order.

Thank you.

Nancy E. Walsh

Kapaa, HI



**HB-803**

Submitted on: 2/8/2021 8:23:29 AM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Mike Kane	Individual	Support	No

Comments:

As a current Electric Vehicle Driver, I strongly support any efforts to improve access to public charging stations some of which have been out of service for months or years.

**HB-803**

Submitted on: 2/8/2021 8:31:30 AM

Testimony for EEP on 2/9/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
albert fung	Individual	Support	No

Comments:

With GM's announcement that they will no longer be making gas powered vehicles by 2035 and more push for EV cars, maintaining EV chargers just makes sense.



LATE

**TESTIMONY OF TINA YAMAKI, PRESIDENT  
RETAIL MERCHANTS OF HAWAII  
February 9, 2021  
Re: HB 803 Relating to Electric Vehicles**

Good morning Chairperson Lowen and members of the House Committee on Energy & Environmental Protection. I am Tina Yamaki, President of the Retail Merchants of Hawaii and I appreciate this opportunity to testify.

The Retail Merchants of Hawaii was founded in 1901, RMH is a statewide, not for profit trade organization committed to the growth and development of the retail industry in Hawaii. Our membership includes small mom & pop stores, large box stores, resellers, luxury retail, department stores, shopping malls, local, national, and international retailers, chains, and everyone in between.

We are OPPOSED to HB 803 Relating to Electric Vehicles. This measure authorizes each county to adopt ordinances to enforce section 291-71, HRS, including the establishment of penalties for failure to comply with its requirements or make reasonable efforts to maintain electric vehicle (EV) charging stations in working order; clarifies that certain enforcement officers may enter private property to enforce EV parking space violations; and requires new EV charging systems installed pursuant to the EV charging system requirement to be at least Level 2 and internet-capable.

We would prefer that there be a statewide law with regards to Electric Vehicles. It is exceedingly difficult and costly for businesses with locations on multiple islands to comply with different rules and regulations addressing a common statewide issue. Businesses, especially the retail industry is not able to afford any operational increases. Many are struggling to keep their door open and their employees employed.

We would also like to point out that many of our members have found EV drivers in the surrounding neighborhood and condominiums come to plug into the retailers charging stations to avoid increasing their electric bill at home or because their complex does not have the ability to charge the EV. Furthermore, these residents leave their cars charging AND are not shopping in the stores while their batteries are being recharged. Thus, these residents are taking away the EV stall from customers coming to shop. We have also found that many of the EV chargers are deliberately broken and vandalized by those cannot charge because the stall is in use by someone else.

Shopping Centers and retailers often try to maintain the customers' expectations and needs. While retailer locations try to maintain the chargers, it becomes costly if they are constantly deliberately broken. There are time when a technician from out of state needs to come in to fix the unit. Penalizing businesses is unfair. However, for some the constant repair of the vandalized and damaged EV chargers adds up into the tens of thousands of dollars. Some of the EV chargers are not owned by the retailer or shopping center but a third party who is responsible for the maintenance.

We question if enforcement officers are really going to determine if parking lots are complying when the larger problem that is facing retailers and the community is theft, homelessness and safety issues. Are they going to physically count all the stalls to determine if the lot is complying? Who is these volunteer enforcement officers and who is going to be liable for them in the private parking lots? Why are the enforcement officers not concentrating on catching those who are deliberately breaking the EV chargers or who are not customers of the center or who have overstayed in the stall?

Mahalo again for this opportunity to testify.