



# HAWAII STATE ENERGY OFFICE STATE OF HAWAII

DAVID Y. IGE  
GOVERNOR

SCOTT J. GLENN  
CHIEF ENERGY OFFICER

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

before the  
**SENATE COMMITTEES ON COMMERCE AND CONSUMER PROTECTION  
AND  
WAYS AND MEANS**

Thursday, February 24, 2022  
9:30 AM  
State Capitol, Conference Room Number 211 & Videoconference

**SUPPORT  
SB 2196, SD1  
RELATING TO ELECTRIC VEHICLE CHARGING STATIONS.**

Chairs Baker and Dela Cruz, Vice Chairs Chang and Keith-Agaran, and Members of the Committees, the Hawai'i State Energy Office (HSEO) supports SB 2196, SD1, which requires cooperative housing corporations, homeowners associations, planned community associations, and condominium associations to develop plans to incorporate zero-emissions fueling stations, including electric vehicle charging stations, into any of its residential properties that are constructed after January 1, 2023.

HSEO's support is guided by its mission to promote energy efficiency, renewable energy, and clean transportation to help achieve a resilient, clean energy, decarbonized economy.

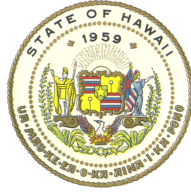
To achieve a decarbonized economy, it is necessary for Hawai'i's transportation systems to be increasingly fueled by renewable energy sources and to become less reliant on fossil fuels. Developing plans to integrate zero-emissions fueling stations, including electric vehicle charging stations into residential parking areas, ensures that new communities will be prepared for the state's clean energy transformation.

The requirements of SB 2196, SD1, are consistent with existing requirements, such as those in [Chapter 32. Building Energy Conservation Code](#) of the City and County of Honolulu, which includes a subsection entitled, "[C406.8 Electric vehicle infrastructure](#)," requiring parking stalls for newly-constructed residential and multi-unit and commercial buildings to comply with an electric vehicle readiness compliance pathway.

The same code also includes subsection, "[R404.3, Electric Vehicle Readiness](#)," requiring that when a building permit application involves the installation of a residential electrical panel and parking area, a dedicated receptacle for an electric vehicle must be provided with a minimum AC Level 2 charge in each enclosed attached garage.

This measure would establish as state policy that new communities are to develop plans for existing and anticipated electricity demands by vehicles. This action, which is general in nature and not prescriptive, will enable a more effective, coordinated, and ultimately smoother transition to zero emission transportation.

Thank you for the opportunity to testify.



**STATE OF HAWAII**  
**HAWAII CLIMATE CHANGE MITIGATION & ADAPTATION**  
**COMMISSION**  
POST OFFICE BOX 621  
HONOLULU, HAWAII 96809

**Testimony of**  
**Leah Laramee**  
**Coordinator, Hawaii Climate Change Mitigation and Adaptation Commission**  
**(Temporality Assigned)**

**Before the Senate Committees on**  
**CONSUMER PROTECTION & COMMERCE**  
**and**  
**WAYS & MEANS**

**LATE**

**Thursday, February 24, 2022**  
**9:30 AM**

**State Capitol, Via Videoconference, Conference Room 211**

**In support of**  
**Senate Bill 2196 Senate Draft 1**  
**RELATING TO ELECTRIC VEHICLE CHARGING STATIONS**

Senate Bill 2196 Senate Draft 1 Requires cooperative housing corporations, homeowners associations, planned community associations, and condominium associations to develop plans to incorporate zero-emissions fueling stations, including electric vehicle charging stations, onto any of its residential properties that are constructed after January 1, 2023. On behalf of the Hawaii Climate Change Mitigation and Adaptation Commission (Commission) I support of this measure.

The Hawaii Climate Change Mitigation and Adaptation Commission “recognizes the urgency of climate threats and the need to act quickly. It promotes ambitious, climate-neutral, culturally responsible strategies for climate change adaptation and mitigation in a manner that is clean, equitable and resilient.” The Commission, established by Act 32 SLH 2017 to uphold the United States’ pledges under the Paris Agreement, is the coordinating body for policies on climate change mitigation and adaptation for the state. It is a high-level multi-jurisdictional body that guides the priorities of the state’s climate response. Co-chaired by DLNR and Office of Planning, it consists of 20 members—chairs of four legislative committees, and executive department heads at the county and state levels.

Transportation (air and ground) is the single largest source of greenhouse gas emissions in Hawaii, which mirrors the trend nationwide (according to EPA, it was the largest source of GHG emissions in 2019). One of the two focuses of the Commission is to reduce emissions from ground transportation, and SB2196 SD1 is an important component of this effort. The Commission’s statement on ground transportation, issued in November 2018, “supports

**Co-Chairs:**  
Chair, DLNR  
Director, Office of Planning

**Commissioners:**  
Chair, Senate AEN  
Chair, Senate WTL  
Chair, House EEP  
Chair, House WTH  
Chairperson, HTA  
Chairperson, DOA  
CEO, OHA  
Chairperson, DHHL  
Director, DBEDT  
Director, DOT  
Director, DOH  
Chairperson, DOE  
Director, C+C DPP  
Director, Maui DP  
Director, Hawai'i DP  
Director, Kaua'i DP  
The Adjutant General  
Manager, CZM

mechanisms to reduce overall vehicle miles travelled (VMT) as well as converting all remaining vehicle-based ground transportation to renewable, zero-emission fuels and technologies.” Such conversions would include electrification of transportation, and its supporting infrastructure. Developing plans to integrate zero-emissions fueling stations, including electric vehicle charging stations into residential parking areas, ensures that new communities will be prepared for the state’s clean energy transformation.

Thank you for the opportunity to comment on this measure.



**LATE**

**PEARL CITY NEIGHBORHOOD BOARD NO. 21**

NEIGHBORHOOD COMMISSION • 925 DILLINGHAM BOULEVARD, SUITE 160 • HONOLULU, HAWAII, 96817  
PH. (808) 768-3710 • FAX (808) 768-3711 • <http://www.honolulu.gov/nco>

*Larry Veray, Chair; Dion Mesta, Vice-Chair; Shanda Delos Reyes, Secretary; Guy Inouye, Treasurer; Kelsey Poaha; Elaine Funokoshi; Tony Velasco; Charmaine Doran; Kuni Agard; Jayden Liu; Jr Miyazono*  
<https://pearlcitynb.com/>

**REQUESTING THE HAWAII STATE LEGISLATURE INITIATE LEGISLATION TO REQUIRE CONDOMINIUMS, APARTMENTS AND TOWNHOME ASSOCIATIONS TO PLAN FOR INTEGRATION OF ELECTRIC VEHICLE CHARGING STATIONS BY THE YEAR 2035**

WHEREAS, Hawaii was the first state to commit to 100 percent clean energy by 2045 and in [2021] Governor David Ige signed three bills to promote electric vehicle adoption and reinforce the state’s role as a leader in reducing the impacts of climate change; and

WHEREAS, the first bill HB 552 requires state-owned vehicles to be swapped out for electric vehicles by the end of 2035; second bill HB 424 requires all state agencies to rent electric or hybrid vehicles when conducting official business; and third bill HB 1142 will allocate three percent of the barrel tax revenue to finance the construction of more electric charging stations across the state; and

WHEREAS, by providing ongoing and substantial funding to incentivize the build-out of electric vehicle (EV) charging stations infrastructure will make electric vehicles a more viable option for our communities, especially for renters, condo-dwellers and lower to middle class families; and

WHEREAS, private homes in residential areas and businesses will be able to easily install EV charging stations on their private property; and

WHEREAS, the greatest challenges for integrating EV charging stations in every community will be with townhomes, apartment buildings with indoor and outdoor parking lots due to the lack of planning and funding for EV charging station integrations; and

WHEREAS, the Apartment of Homeowner Associations have not budgeted into their Reserve Funding for the potential integration of EV charging stations on their properties.

WHEREAS, many townhome residents and high-rise apartment owners or renters have purchased electric vehicles but lack a dedicated space on the property to charge their vehicles; and

BE IT RESOLVED, that the Pearl City Neighborhood Board strongly urges the Hawaii State Legislature to initiate legislation to require condominiums, apartments and townhome associations to begin planning for the integration of EV charging stations on their property and secondly adding this requirement for those Associations to begin ear-marking funds in their overall Reserve Funds; and

BE IT FURTHER RESOLVED, the State Legislature should look at ways to provide incentives to these homeowner associations and possibly subsidize with State funding for EV charging station integration in individual homeowner/renter parking spaces and requiring them to be fully integrated by 2035; and

BE IT FINALLY RESOLVED, that electronic copies of this resolution be distributed to all members of the Governor, State Legislature, Mayor, City Council, Hawaii Automobile Association and all Neighborhood Boards.

***The Pearl City Neighborhood Board No. 21 approved and adopted this resolution at its Tuesday, September 28, 2021 Regular Board meeting, by 10-1-0 vote.***

Larry S. Veray  
Larry S. Veray, Chair

Drafted by:  
Larry Veray  
Dion Mesta



**SB-2196-SD-1**

Submitted on: 2/22/2022 2:29:03 PM

Testimony for CPN on 2/24/2022 9:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Remote Testimony Requested</b>
Lindsey Dymond	Testifying for Practical Policy Institute of Hawaii	Oppose	No

Comments:

Testimony of

PRACTICAL POLICY INSTITUTE OF HAWAII Monday, February 24, 2022

TIME 9:30AM State Capitol, Conference Room 211

Comments in OPPOSITION of SB 2196 RELATING TO ELECTRIC VEHICLE CHARGING STATIONS.

Chairs Dela Cruz and Baker, Vice Chairs Chang and Keith-Agaran, and Members of the Ways and Means and Consumer Protections Committees, my name is Lindsey Dymond with the Practical Policy Institute of Hawaii (PPIH) offering comments on SB 2196, which requires cooperative housing corporations, homeowners associations, planned community associations, and condominium associations to develop plans to integrate electric vehicle charging stations onto their properties and make funds available for that purpose. It requires these plans to be completed by January 1, 2030.

We OPPOSE this measure as this sets a strong precedent to further mandate energy requirements to existing buildings with fixed income and budgets. SB 2196 does not provide any guidance regarding how many charging stations will be required, what the costs will be, or who will approve such plans. Furthermore, and most importantly, this proposed bill only adds to Hawaii's already high cost of living by adding substantial costs to all of the affected residents, which will need to be paid for, at minimum, through increased monthly association dues, assessments, or other means. The owners, and each association, should make their own determinations as to when and how many EV charging stations their properties need. This bill should be deferred pending further knowledge of the demand for EV charging stations in individual circumstances, and as the population of EV's unfolds.

The Legislature has made a commitment to help Hawaii's working families and this bill will only increase their monthly out of pocket expenses in order to pay for the electrical infrastructure upgrades that many of Hawaii's older buildings will require to accommodate required EV charging stations. The complete rewiring of some buildings, and the potential to have to bring more capacity from the utility into some buildings, is a burden that cannot simply be laid off on the residents of those buildings.

Thank you for the opportunity to testify.





HAWAII LEGISLATIVE  
ACTION COMMITTEE

  
**community**  
ASSOCIATIONS INSTITUTE

P.O. Box 976  
Honolulu, Hawaii 96808

February 22, 2022

Chair Rosalyn H. Baker  
Vice Chair Stanley Chang  
Committee on Commerce and Consumer Protection  
415 South Beretania Street  
Honolulu, Hawaii 96813

and

Chair Donovan M. Dela Cruz  
Vice Chair Gilbert S. C. Keith-Agaran  
Committee on Ways and Means  
415 South Beretania Street  
Honolulu, Hawaii 96813

Re: SB 2196 SD1 SUPPORT INTENT

Dear Senators:

The Community Associations Institute ("CAI") supports the intent of SB 2196 SD1. CAI also supports the broader 100% renewable energy goal in and for the State of Hawaii.

SB 2196 was amended to operate prospectively and more expansively. SB 2196 SD1 provides that certain entities "shall have plans to incorporate zero-emissions fueling stations, including electric vehicle charging stations, onto any of its residential properties that are constructed after January 1, 2023."

The phrase "constructed after January 1, 2023" is unclear. CAI supports the application of the mandate to projects that are newly developed after January 1, 2023. The present language is open to a different interpretation though.

The language of SB 2196 SD1 might be construed to impose an obligation on existing entities, if or when certain "construction" occurs after January 1, 2023. CAI does not support the application of the mandate to existing entities.

Chair Rosalyn H. Baker  
Vice Chair Stanley Chang  
Chair Donovan M. Dela Cruz  
Vice Chair Gilbert S. C. Keith-Agaran  
February 22, 2022  
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Existing entities have constraints identified in the report of a Working Group appointed by the legislature in 2015.<sup>1</sup> Those constraints would persist even if some "construction" took place after January 1, 2023.

Imposing a mandate that cannot be complied with due to technical, economic or other factors would not advance the desired goal. It would also provide a disincentive to performing needed maintenance and/or repair.

Moreover, SB 2196 SD1 would oblige subject entities to plan for unspecified "zero-emissions fueling stations." The scope of that obligation is unclear. It would be unreasonable to burden subject entities with an obligation to implement technologies that might or might not become prevalent in the future.

Electric vehicle charging stations relate to existing technology, so entities without the sort of constraints that are identified in the Report might be able to plan for electric vehicle charging stations within the original 2030 timeframe set forth in SB 2196. That said, subject entities are poorly positioned to anticipate future technology. Consumers should not be burdened with any such obligation.

Reordering the energy economy, including with respect to the transportation sector, is a societal challenge. Government should facilitate the transition.

Thus, CAI respectfully requests that the Committees clarify that the mandate applies exclusively to entities newly created after January 1, 2023, and that the "zero-emissions fueling stations" language be reconsidered.

Very truly yours,

*Philip Nerney*

Philip Nerney

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<sup>1</sup> The report of a Working Group appointed by the legislature in 2015 into account. See, <https://energy.hawaii.gov/wp-content/uploads/2013/07/Act-164-EV-Working-Group-Report-FINAL.pdf> ("Report")

**SB-2196-SD-1**

Submitted on: 2/22/2022 4:56:36 PM

Testimony for CPN on 2/24/2022 9:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Remote Testimony Requested</b>
Richard Emery	Testifying for Associa	Comments	No

Comments:

We support the testimony of CAI LAC. The Bill needas to be amended to reflect an accurate description of effective dates.

**Hawaii Electric Vehicle Association**

hawaiiev.org  
info@hawaiieva.com



February 23, 2022

Dear Chairs Baker and Dela Cruz, Vice-Chairs Chang and Keith-Agaran, and members of the Commerce and Consumer Protection and Ways and Means Committees,

**Hawaii Electric Vehicle Association offers comment on SB2196 SD1 (RELATING TO ELECTRIC VEHICLE CHARGING STATIONS).**

Hawaii EV is supportive of the intent of this measure. It “requires cooperative housing corporations, homeowners associations, planned community associations, and condominium associations to develop plans to integrate electric vehicle charging stations onto their properties and make funds available for that purpose.”

This will serve to expand needed charging infrastructure, particularly in projects where access to home charging is not feasible. However, we must acknowledge that there will be situations where compliance is not technically feasible or would require heavy infrastructure investment. Exceptions must be noted, e.g., subdivisions without common areas or properties that don’t have adequate infrastructure.

Additionally, HOAs should not be allowed to prevent nor create unreasonable requirements for the installation of chargers in private spaces.

Thank you for this opportunity to testify.

Sincerely,

Noel Morin  
President  
Hawaii EV Association

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**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).

**Hawaii EV Board**

Noel Morin, President  
Nanette Vinton, Secretary, and Treasurer  
Bill Bugbee – Director  
Tam Hunt - Director  
Sonja Kass – Director  
Rob Weltman – Director

**Hawaii EV Clubs**

Big Island EV Association  
Kauai EV  
Maui Nui EV  
Tesla Hawaii Club





**Hawaiian  
Electric**

**TESTIMONY BEFORE THE SENATE  
COMMITTEE ON COMMERCE AND CONSUMER PROTECTION  
AND  
COMMITTEE ON WAYS AND MEANS**

**SB 2196, SD1**

**Relating to Electric Vehicle Charging Stations**

February 24, 2022  
9:30 AM, Agenda Item #8  
State Capitol, VIDEO CONFERENCE

June Chee  
Program Manager, Electrification of Transportation  
Hawaiian Electric Company

Aloha Chair Baker, Chair Dela Cruz, Vice Chair Chang, Vice Chair Keith-Agaran, and  
Committee Members,

My name is June Chee, and I am testifying on behalf of Hawaiian Electric Company in **support of and providing comments on SB2196 SD1**, Relating to Electric Vehicle Charging Stations, as it supports the installation of additional and reliable electric vehicle (EV) charging for future residential properties. Retrofits for EV charging infrastructure are significantly more expensive because they require the addition of electrical capacity, labor, boring, trenching, and re-filling with concrete. Developing plans to incorporate EV charging stations during the pre-construction phase dramatically decreases the costs to install EV charging infrastructure down the road.

The Company would encourage the committees to add more specificity to the proposed measure by providing guidance on what is to be included in the pre-construction plans such as:

Each corporation shall have plans to incorporate zero-emissions fueling stations, including electric vehicle charging stations, onto any of its residential properties that are constructed after January 1, 2023. Additionally, the plans shall include charger ready stalls for parking stalls constructed, including details on sufficient wiring, electrical conduit, electrical panel service capacity, overcurrent protection devices, suitable termination points to connect to a charging station, and 120 to 240 volt outlets."

Hawaiian Electric's Electric Vehicle Critical Backbone Study looked at the forecasted need for public and private EV charging infrastructure in the next 10 years. The backbone study projected a need of seven-times more public charging by 2030 and an even greater need for private commercial and residential charging. This insight helped the Company focus its support and momentum for electrification of transportation through programs and initiatives such as EV-specific rates to encourage daytime charging, the Charge Up eBus make ready pilot, a proposal to expand our public charging network, and our recently approved Charge Ready Hawaii pilot. Hawaiian Electric is supportive of efforts that encourage the planning for and installation of residential EV charging as it will supplement the Company's public EV infrastructure programs and serve EV charging needs of current and future EV drivers. Accordingly, Hawaiian Electric Company supports SB2196 SD1. Thank you for this opportunity to testify.



February 23, 2022

Senator Rosalyn H. Baker, Chair  
Senator Stanley Chang, Vice Chair  
Members of the Committee on Commerce and  
Consumer Protection

Senator Donovan M. Dela Cruz, Chair  
Senator Gilbert S.C. Keith-Agaran, Vice Chair  
Members of the Committee on Ways and Means

**RE: SB 2196 – RELATING TO ELECTRIC VEHICLE CHARGING STATIONS**  
**Hearing date – February 24, 2022 at 9:30 a.m.**

Aloha Chair Baker, Chair Dela Cruz and members of the committees,

Thank you for allowing NAIOP Hawaii to submit testimony in **OPPOSITION** to SB 2196 – RELATING TO ELECTRIC VEHICLE (EV) CHARGING STATIONS. NAIOP Hawaii is the Hawaii chapter of the nation's leading organization for office, industrial, retail, residential and mixed-use real estate. NAIOP Hawaii has over 200 members in the State including local developers, owners, investors, asset managers, lenders and other professionals.

SB 2196 requires cooperative housing corporations, homeowners associations, planned community associations, and condominium associations to develop plans to incorporate zero-emissions fueling stations, including electric vehicle charging stations, onto any of its residential properties that are constructed after January 1, 2023. NAIOP opposes this requirement because it is an unnecessary and would have negative unintended consequences on affordable housing projects.

Primarily, NAIOP is concerned with requiring EV charging stations as it will raise the cost of affordable housing. Most developers are required to build 30% of their development to be affordable housing. The increased cost associated with installation of the EV stalls in new construction will be reflected in the cost of affordable housing units or prevent a project from penciling out altogether.

Moreover, most residential properties are privately owned and maintained by an association. Therefore, mandating installation of EV charging stations will significantly raise the monthly maintenance costs for each homeowner. This will



Senator Rosalyn H. Baker, Chair  
Senator Stanley Chang, Vice Chair  
Members of the Committee on Commerce and  
Consumer Protection  
February 23, 2022  
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be especially problematic if the current association maintenance fees are already costly.

Furthermore, the rising costs associated with installing the required EV stations will prevent projects from penciling out. Ultimately, in order for projects to be constructed developers will need to pass on the costs to buyers. In conjunction with the rising interest rates, an increase in price of affordable housing will result in less residents that can afford to buy a house or unit. Accordingly, this bill would be inconsistent with addressing the need to create more affordable housing which is a priority of the legislature.

For these reasons we urge you to defer SB 2196. Thank you for the opportunity to testify on this measure.

Mahalo for your consideration,

A handwritten signature in black ink, appearing to read "J Camp", with a small flourish at the end.

Jennifer Camp, President  
NAIOP Hawaii

**LATE**

**SB-2196-SD-1**

Submitted on: 2/23/2022 9:11:02 PM

Testimony for CPN on 2/24/2022 9:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Remote Testimony Requested</b>
Sonja Kass	Testifying for KauaiEV	Support	No

Comments:

Dear Legislators,

KauaiEV supports SB2196 SD1 to make it possible to charge electric vehicles in multiple-unit dwellings. It just makes sense because 80% of EV charging happens at home, but apartment and condo dwellers can't install a charger in communal areas, or it's prohibitively expensive. Having this mandate makes it possible for them to have a charger and thus own and drive a clean and quiet electric car.

Mahalo

Sonja Kass

**SB-2196-SD-1**

Submitted on: 2/22/2022 3:17:08 PM

Testimony for CPN on 2/24/2022 9:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Remote Testimony Requested</b>
Gerard Silva	Individual	Oppose	No

Comments:

Our prices for Electricity is Higher than Gas or Fuel . The only reason to push something like this here is some body is getting payed off for this and when we find out who that person is he will not be able to go out in Public and this is comeing soon !!!

**SB-2196-SD-1**

Submitted on: 2/22/2022 5:59:37 PM

Testimony for CPN on 2/24/2022 9:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Remote Testimony Requested</b>
R Laree McGuire	Individual	Comments	No

Comments:

I incorporate by referece the testimony provided by CAI as those sentiments are my own, as well.

Mahalo.

**SB-2196-SD-1**

Submitted on: 2/22/2022 10:43:17 PM

Testimony for CPN on 2/24/2022 9:30:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Nanette Vinton	Individual	Support	No

Comments:

Dear Chair Dela Cruz, Vice-Chair Keith-Aragan and Chair Baker and Vice-Chair Chang and CPN/WAM Committee Members,

I am writing in **support** of SB2196 SD1 which requires coops, HOAs, planned community associations, and condominium associations to develop plans to integrate electric vehicle charging stations onto their properties and make funds available for that purpose.

As a long-time EV owner, I am happy to see the significant EV growth in our state over the past few years. However, the lack of access to home charging for those living in condos is a common reason people are hesitant to buy EVs. This bill will push community associations to establish EV charger plans for their properties which would hopefully encourage more EV adoption.

One comment is to include language in the bill that any requirements made for tenants regarding EV charger installations are reasonable.

Respectfully submitted,

Nanette Vinton

Mililani, HI

**SB-2196-SD-1**

Submitted on: 2/23/2022 9:05:09 AM

Testimony for CPN on 2/24/2022 9:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Remote Testimony Requested</b>
Rob Weltman	Individual	Support	No

Comments:

For most people living in multi-unit housing, it will be necessary to have charging infrastructure in areas that are managed by an association. Therefor, I support this bill.

However, there are home owner subdivisions without common areas and where each home owner can install a charging station in his/her own garage. In these cases, it would not make sense to require the homeowner association to plan for common area charging.

**LATE**

**SB-2196-SD-1**

Submitted on: 2/23/2022 10:03:33 AM

Testimony for CPN on 2/24/2022 9:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Remote Testimony Requested</b>
Douglas Perrine	Individual	Support	No

Comments:

Creation of charging infrastructure is essential to realizing Hawaii's goal of moving away from fossil fuels expeditiously. I support SB2196.

**LATE**

**SB-2196-SD-1**

Submitted on: 2/23/2022 11:18:00 AM

Testimony for CPN on 2/24/2022 9:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Remote Testimony Requested</b>
Elaine Panlilio	Individual	Support	No

Comments:

Support the intent of SB2196 SD1



**LATE**

**SB-2196-SD-1**

Submitted on: 2/23/2022 4:38:14 PM

Testimony for CPN on 2/24/2022 9:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Remote Testimony Requested</b>
Diane Ware	Individual	Support	No

Comments:

Dear Chairman and Committee Members,

I live on the Big Island and own an EV. I mostly charge at home because charging stations are relatively few and far between. I have a friend with an EV with only 100 mile range. She has recently had to move to a rental and the landlord will not allow her to charge at her rental unit. I find this discriminatory and this practice is a detriment to moving to state goals to reduce emissions.

in regard to multi unit housing providing charging stations seems a no brainer and cost effective for all concerned. Many such units share solar electricity with no major issues.

Please help put us on track to reduce our transportation climate goals by passing this measure.

Respectfully,

Diane Ware, 99-7815 Kapoha Pl, Volcano Hi 96785

**LATE**

**SB-2196-SD-1**

Submitted on: 2/23/2022 5:10:21 PM

Testimony for CPN on 2/24/2022 9:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Remote Testimony Requested</b>
Francine Roby	Individual	Support	No

Comments:

I urge your support of SB2196 SD1. I now own a house and an electric vehicle and have installed a charging port at our house, but I was a lifelong apartment dweller and think back on how difficult it would have been to have tried to keep an EV at most of the places I lived, without charging stations or the capacity to easily install such. Hawaii requirements should be reasonable and consider property management expenses and permitting, but keep focused on the goal of increasing our State's capacity to have more zero-emissions fueling stations including electric vehicle charging stations, on residential properties constructed after January 2, 2023.

Mahalo.

Francine Roby

Ahualoa, Hawaii County.