



HAWAII STATE ENERGY OFFICE STATE OF HAWAII

JOSH GREEN, M.D.
GOVERNOR

MARK B. GLICK
CHIEF ENERGY OFFICER

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Testimony of
MARK B. GLICK, Chief Energy Officer

before the
HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, February 7, 2023
8:45 AM
State Capitol, Conference Room 325 and Videoconference

In SUPPORT of
HB 1252

RELATING TO ENERGY.

Chair Lowen, Vice Chair Cochran, and Members of the Committee, the Hawaii State Energy Office (HSEO) supports and offers the following comments on HB 1252, which provides rebates for eligible electric vehicle (EV) ready parking stalls in new affordable housing construction and requires that EV ready parking for new construction be integrated as a criterion in the low-income housing tax credit qualified allocation plan starting in calendar year 2024.

HSEO's testimony is guided by its mission to promote energy efficiency, renewable energy, and clean transportation to help achieve a resilient, clean energy, decarbonized economy. Hawaii is a national leader in the adoption of electric vehicles ranking second nationally in EV adoption per capita. However, battery electric zero-emission vehicles still only constitute 1.7% of all registered light-duty vehicles in the state.¹ The high cost of EVs and limited charging facilities are likely to be particularly limiting factors for EV adoption to those living in affordable housing units, and thus poses an equity issue that must be addressed. For Hawaii to meet its statutory target "to sequester more greenhouse gases

¹ <https://energy.hawaii.gov/energy-data/>

than emitted as soon as practicable but no later than 2045”, we must ensure the transition to zero-emission transportation is inclusive of all communities.

In 2015 DBEDT served as the chair of the Act 164 Working Group, examining issues regarding requests to the board of directors of a MUD (multi-unit dwellings) for the installation of EV charging systems. The Working Group found that increasing the availability of EV charging systems located at MUDs could enable roughly one-third of households to own EVs. HSEO is monitoring Section 11401 of the Infrastructure, Investments, and Jobs Act which provides opportunities to state, local, and public entities to install alternative fuel infrastructure. \$1.25 Billion of program funds will be dedicated to competitive “Community Grants” for publicly-accessible alternative fuel charging/fueling projects with priority given to rural, LMI and underserved communities, and multi-unit dwellings. Program guidance is expected to be released in the first quarter of 2023.

To successfully decarbonize the ground transportation sector, we need to ensure our transportation decarbonization policies are equitable and inclusive of all communities. HB 1252 helps address this important priority.

Thank you for the opportunity to testify.

TESTIMONY OF
LEODOLOFF R. ASUNCION, JR.
CHAIR, PUBLIC UTILITIES COMMISSION
STATE OF HAWAII

TO THE
HOUSE COMMITTEE ON
ENERGY & ENVIRONMENTAL PROTECTION

February 7, 2023
8:45 a.m.

Chair Lowen, Vice Chair Cochran, and Members of the Committee:

MEASURE: H.B. No. 1252
TITLE: RELATING TO ENERGY.

DESCRIPTION: Provides rebates for eligible electric vehicle ready parking stalls for new construction of affordable housing. Beginning with calendar year 2024, requires that electric vehicle ready parking for new construction be integrated as a criterion in the low-income housing tax credit qualified allocation plan.

POSITION:

The Public Utilities Commission (“Commission”) supports this measure and offers the following comments for consideration.

COMMENTS:

The Commission supports this measure to support low-income customers by providing ready access to charging infrastructure at affordable housing units at lower cost, particularly given the finding that constructing electric vehicle ready parking stalls at the time of constructing is approximately one-tenth the cost of retrofitting already-built parking stalls.

The Commission currently manages the Electric Vehicle Charging System (“EVCS”) Rebate Program in consultation with electric vehicle stakeholders and in cooperation with the program’s administrator, Hawaii Energy. The program directly supports the state’s decarbonization goals and continues to provide benefits to Hawaii’s residents. This measure would be a meaningful addition to the program. In service of long-term administrative efficiency of this beneficial EVCS program, within its budget request for the fiscal biennium 2023-2025, the Commission has requested establishment of a permanent

spending authority to expend the funds that are automatically collected in the sub-account for this program.

Equity is a high priority for the Commission, and we support the provisions of this measure to increase charging access for low-income communities. The Commission has worked with electric vehicle stakeholders to begin identifying communities that are underserved by electric vehicle charging infrastructure and will further explore equity measures related to transportation electrification in Docket No. 2022-0250, which is investigating equity holistically across Commission functions. We also note that Hawaii Energy has partnered with Ulu pono Initiative to offer a bonus rebate for the installation of Level 2 EVCS at affordable housing projects. The Commission supports the language of the measure that allows entities to simultaneously claim a rebate for a charging system as well as for an electric vehicle ready parking stall. This will help to ensure that electric vehicle ready stalls are actually furnished with charging systems.

Thank you for the opportunity to testify on this measure.

JOSH GREEN M.D.
GOVERNOR

SYLVIA LUKE
LT. GOVERNOR



STATE OF HAWAII
DEPARTMENT OF TAXATION

Ka 'Oihana 'Auhau
P.O. BOX 259

HONOLULU, HAWAII 96809
PHONE NO: (808) 587-1540
FAX NO: (808) 587-1560

GARY S. SUGANUMA
DIRECTOR

KRISTEN M.R. SAKAMOTO
DEPUTY DIRECTOR

**TESTIMONY OF
GARY S. SUGANUMA, DIRECTOR OF TAXATION**

TESTIMONY ON THE FOLLOWING MEASURE:

H.B. No. 1252, Relating to Energy

BEFORE THE:

House Committee on Energy & Environmental Protection

DATE: Tuesday, February 7, 2023

TIME: 8:45 a.m.

LOCATION: State Capitol, Room 325

Chair Lowen, Vice-Chair Cochran, and Members of the Committee:

The Department of Taxation ("Department") offers the following comments regarding H.B. 1252 for your consideration.

H.B. 1252 seeks to amend section 235-110.8(a), Hawaii Revised Statutes (HRS), relating to the low-income housing tax credit, by requiring the Hawaii Housing Finance and Development Corporation (HHFDC) to include among the criteria to evaluate and allocate the tax credits for calendar year 2024 and later, whether the project, if the project is for new construction, includes electric vehicle ready parking stalls. This measure shall take effect on July 1, 2023, and shall apply to taxable years beginning after December 31, 2022.

The Department defers to HHFDC on its ability to certify this credit with the added requirements. The Department further notes that this measure does not affect the Department's ability to administer the credit.

Thank you for the opportunity to provide comments on this measure.

JOSH GREEN, M.D.
GOVERNOR



DENISE ISERI-MATSUBARA
EXECUTIVE DIRECTOR

STATE OF HAWAII
DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM
HAWAII HOUSING FINANCE AND DEVELOPMENT CORPORATION

IN REPLY PLEASE REFER TO:

677 QUEEN STREET, SUITE 300
HONOLULU, HAWAII 96813
PHONE: (808) 587-0620
FAX: (808) 587-0600

Statement of
DENISE ISERI-MATSUBARA
Hawaii Housing Finance and Development Corporation
Before the

HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

February 07, 2023 at 8:45 a.m.
State Capitol, Room 325

In consideration of
H.B. 1252
RELATING TO ENERGY.

HHFDC *supports the intent* but has concerns with H.B. 1252, which incentivizes electric vehicle (EV)-ready parking for new construction of affordable housing by:

- 1) Requiring that EV-ready parking be integrated as a criterion in HHFDC's Low-Income Housing Tax Credit (LIHTC) Qualified Allocation Plan (QAP); and
- 2) Providing rebates for eligible EV-ready parking stalls for new construction of affordable housing.

The QAP determines which housing projects should receive allocations of LIHTC by awarding points based on evaluation criteria that are aligned with the intent of the federal IRS program, and we generally oppose legislation that imposes individual QAP mandates. Ultimately, it can have the effect of undermining the intent of the criteria. As the allocating agency for the state of Hawaii, HHFDC is obligated to provide no more housing credits than deemed necessary to ensure the project's financial feasibility.

The QAP already provides awarding up to four additional points to promote smart growth; energy and water conservation; operational savings; and sustainable building practices in affordable-housing design. As a practical matter, renters in LIHTC projects (affordable up to 60% of AMI) typically don't own electrical vehicles because of the relatively higher cost to purchase compared to non-electrical vehicles.

There are other ways to incentive EV- ready parking stall construction without affecting the QAP as provided for in this measure, one of which is the proposed \$1,750 rebate per stall for eligible EV-ready parking stalls for new construction of affordable housing. Rebates through the PUC for incorporating EV parking stalls into new affordable housing construction may be a good option to incentivize behavior.

Thank you for the opportunity to testify on this bill.

OFFICE OF ECONOMIC DEVELOPMENT

NALANI BRUN, DIRECTOR



DEREK S.K. KAWAKAMI, MAYOR
MICHAEL A. DAHLIG, MANAGING DIRECTOR

Testimony of Christina Kaser

Energy Coordinator, Office of Economic Development

Before the

House Committee on Energy & Environmental Protection

February 7, 2023; 8:45 a.m.

Conference Room 325 Via Videoconference

In consideration of

House Bill 1252

Relating to Energy

Honorable Chair Lowen, Vice Chair Amato, and Members of the Committee:

The County of Kaua'i is in **support** the intent of House Bill 1252, which provides rebates for eligible electric vehicle ready parking stalls for new construction of affordable housing, and, beginning in calendar year 2024, requires that electric vehicle ready parking for new construction be integrated as a criterion in the low-income housing tax credit qualified allocation plan.

The County of Kaua'i values the state's existing rebate program and has demonstrated its effect to stimulate electric vehicle charging adoption.

In 2021, the Kaua'i County Council passed a bill requiring new construction of multi-family sites, including affordable housing, and industrial, commercial, resort, and agriculture districts to have fifteen percent of parking stalls be EV Ready. Given that Kaua'i County already has requirements for EV-ready for our affordable housing projects, we support a targeted financial incentive to reduce the burden on the cost to developers. We also acknowledge that if we are advocating for increased electrification, it is especially important to lay down infrastructure in construction increase access to charging and allowing people of any income bracket to be in a better position to adopt to electric vehicles, whether it happens immediately or sometime in the future.

To the first item in the bill, a rebate made specifically for affordable housing will support more equitable electrification of transportation across the state. Often, a barrier to electric vehicle charging adoption is not necessarily just in the purchase of the charger itself, but in the costs associated with the charging infrastructure. 'EV Ready' construction is one of the most cost-effective strategies for expanding EVSE installations, exhibiting substantial savings as opposed to installing infrastructure post-construction. Not only is it more affordable to install EV ready during construction compared to retrofitting, but it also reduces the risk of a potential burden

for higher costs to fall on residents down the line if housing projects eventually install EV chargers. By taking this action, the legislature can leverage valuable state funding to accelerate EVSE installations state-wide.

To the second item in the bill, the County will not take a position in requiring that that electric vehicle ready parking for new construction be integrated as a criterion in the low-income housing tax credit qualified allocation plan. Our County Council passed legislation to require EV ready for affordable housing projects on Kaua'i, and we feel that this requirement may be best left up to each County's unique situation. In any case, we value the bill's intention to provide much needed rebates to support implementation of our Council's bill.

Thank you for the opportunity to testify in **support** of HB1252.

OFFICE OF CLIMATE CHANGE, SUSTAINABILITY AND RESILIENCY

CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11th FLOOR • HONOLULU, HAWAII 96813
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RICK BLANGIARDI
MAYOR

MATTHEW GONSER, AICP, CFM
EXECUTIVE DIRECTOR &
CHIEF RESILIENCE OFFICER

NICOLA HEDGE
DEPUTY DIRECTOR &
DEPUTY CHIEF RESILIENCE OFFICER

TUESDAY, FEBRUARY 7, 2023, 8:45 A.M.

STATE OF HAWAII
HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

**TESTIMONY ON HOUSE BILL 1252
RELATING TO ENERGY**

BY,

MATTHEW GONSER
EXECUTIVE DIRECTOR AND CHIEF RESILIENCE OFFICER
OFFICE OF CLIMATE CHANGE, SUSTAINABILITY AND RESILIENCY

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

The City and County of Honolulu (“City”) Office of Climate Change, Sustainability and Resiliency (“Resilience Office”) **strongly supports** HB1252, which provides rebates for eligible electric vehicle-ready (“EV-ready”) parking stalls for new construction of affordable housing.

The City is committed to more affordable housing to meet community demand. We recognize the need for solutions that drive down both upfront costs and long-term costs of living, particularly for low- to- moderate (LMI) residents, necessary for meeting both our affordable housing and climate change goals.

While only part of a zero emissions strategy for ground transportation, the transition to electric vehicles (“EVs”) is nonetheless important in meeting the State’s clean economy target by no later than 2045. It is now clearer than ever that the auto industry has committed to moving away from climate warming fossil fuel vehicles to EVs. However, a continued barrier to EV adoption is the cost of establishing a robust network of EV charging infrastructure.

Sizing a building’s electrical system for EVs, trenching and laying conduit to parking, and reserving capacity in electrical panels at the time of new construction (i.e., making the building EV-ready) is one of the most cost effective strategies we can utilize for expanding EV charging systems in Hawai‘i. Without this preparation at building

construction, EV-ready retrofits can be prohibitively expensive later on when EV chargers are demanded. Acknowledging this, the City has already adopted local EV-ready requirements within our Building Energy Conservation Code¹. However, affordable housing projects were exempted from those provisions due to cost concerns.

While a stated intent of the State's existing Electric Vehicle Charging System Rebate Program has been to serve LMI residents, there has been very low uptake of this rebate at affordable housing projects to date. While eligible to take advantage of existing rebates, affordable housing developers may be reluctant to install a complete EV charging system, given that projects typically have very limited parking to begin with and tenants may not yet own EVs.

With HB1252's amendment to the rebate program to include EV-ready rebates for affordable housing, these projects can receive incentives to simply add the infrastructure at the time of construction, such that chargers themselves can be installed at a later time, when there is increased demand for EV charging among project tenants. This modest proposal is a strong step forward in helping to avoid additional and future cost barriers for EV adoption by LMI residents.

The Resilience Office supports incentives that drive long-term savings for LMI residents and would additionally support discussions about how to increase these rebates to help adequately cover the costs of supporting affordable housing in the transition to a clean economy. Thank you for the opportunity to testify in strong support of HB1252.

1 Ordinance 20-10: <http://www4.honolulu.gov/docushare/dsweb/Get/Document-264403/ORD20-010.pdf>.

TAX FOUNDATION OF HAWAII

126 Queen Street, Suite 305

Honolulu, Hawaii 96813 Tel. 536-4587

SUBJECT: INCOME, Add Electric Vehicle Ready Parking Stalls to Evaluate Projects for Affordable Housing Incentives

BILL NUMBER: HB 1252, SB 1460

INTRODUCED BY: HB by LOWEN, AMATO, COCHRAN, GANADEN, HASHIMOTO, HUSSEY-BURDICK, ICHIYAMA, KAHALOA, KAPELA, LAMOSAO, MARTEN, MARTINEZ, MIZUNO, NAKASHIMA, NISHIMOTO, PERRUSO, POEPOE, TODD, Tam; SB by CHANG

EXECUTIVE SUMMARY: Provides rebates for eligible electric vehicle ready parking stalls for new construction of affordable housing. Beginning with calendar year 2024, requires that electric vehicle ready parking for new construction be integrated as a criterion in the low-income housing tax credit qualified allocation plan.

SYNOPSIS: As it relates to the tax laws, amends section 235-110.8, HRS, to provide that in developing the qualified allocation plan effective for reservations and awards of the low-income housing tax credit for calendar year 2024 and later, HHFDC shall include among its criteria to evaluate and allocate tax credits the project's inclusion of electric vehicle ready parking stalls if the project is for new construction.

EFFECTIVE DATE: Taxable years beginning after December 31, 2022.

STAFF COMMENTS: This bill creates a rebate program for the installation or upgrade of electric vehicle charging infrastructure. This program does not involve the tax code.

As it relates to the tax code, the bill adds another criterion that HHFDC is to consider when evaluating and allocating tax credits.

Digested: 2/1/2023



Before the House Committee on Energy & Environmental Protection
Tuesday, February 7, 2023 at 8:45 a.m.

Testimony in Support of HB1252: Relating to Energy

Chair Lowen, Vice Chair Cochran, and Members of the Committee:

Thank you for the opportunity to testify in support and provide comments on House Bill 1252.

Hawai'i Energy works to empower island families and businesses on behalf of the Hawai'i Public Utilities Commission (PUC) to make smart energy choices to reduce energy consumption, save money, and pursue a 100% clean energy future. Energy efficiency – the energy we do not use – is the cheapest option to help us achieve our 100% clean energy goal by eliminating waste and being more efficient.

Hawai'i Energy applauds the legislature's efforts to support the continued impact of electrical vehicle charging station (EVCS) infrastructure on Hawai'i's residents and businesses as an integral component of the State's Clean Energy Initiative, which calls for Hawai'i to achieve 100% clean energy by 2045.

Hawai'i Energy administers the state-funded EVCS Incentive Program on behalf of the Public Utilities Commission, which was established through Act 75 (2021) and Act 202 (2022) by the Hawai'i State Legislature. We are proud to already be emphasizing EVCS installations for our underserved communities via a bonus incentive for affordable housing developments for AC Level 2 single- and multi-port EV charging stations with network connectivity. The bonus incentive, which is in addition to the state-funded rebate, is \$5,000 per station for existing affordable housing developments, and \$1,500 per station for new affordable housing developments.

House Bill 1252 expands the state-funded EVCS Incentive Program to offer rebates to new affordable housing developments to install the power-capacity and wiring necessary to make parking lots "electric vehicle ready." Giving rebates to affordable housing developments that are built as "electric vehicle ready" will only further accelerate our important momentum toward making electric vehicles more affordable to our local families. That, in turn, will only further accelerate Hawai'i's overall pursuit of a 100% clean energy future.

Thank you for the opportunity to testify in support of House Bill 1252.

Sincerely,
Caroline Carl
Executive Director
Hawai'i Energy

Stirling Industries Llc – Hono, HI. Testimony.

TO: House Committee on Energy & Environmental Protection

SUBJECT: Support for HB 1252, RELATING TO ENERGY, February 7, 2023, 8:45 AMhearing

Aloha Chair Lowen, Vice Chair Cochran, and members of the Committee,

I am testifying in support of HB 1252, which provides incentives for new affordable housing developments that are built to be electric vehicle charger-ready.

[INSERT PERSONAL STATEMENT HERE] By Department of Energy Data; Hawai'i State have among the Highest Emissions Rates in the Nation per Capita (1.435million population), but are under the precedence of also having the lowest energy consumption, due in part to the highly over-representation by the Supply of Oil for refined Gasoline.

I refer to the following, taken directly from the Hawai'i Natural Energy Research Institute Highlights Main Forum Website; <https://www.hnei.hawaii.edu/wp-content/uploads/GHG-Reduction-from-Electrified-Transportation.pdf>.

I have also worked in the Transportation Sector that receives and delivers U refined and Refined Oil Products both on Oahu and inter-island, and agree with the HNEI, that Electrification of any sector; Grid, E-V Charging, which has been well documented and remains a great opportunity for the islands of Hawai'i, is largely dependent on Energy Sector Support for Renewable Energy that can deliver the large amounts of power, yes this power, of 6500Kwh per household, per year, at an affordable, secure, and emissions free rate, bringing the islands into a competitive and sustainable present day economy outlook. Our .._____

(1) OBJECTIVE AND SIGNIFICANCE: Decarbonizing the energy sector in Hawai'i is a key part of the state's energy and environmental objectives. While significant progress has been achieved in the power sector, meaningful reduction in the state's overall emissions, can only be achieved with significant greenhouse gas (GHG) emissions reduction from the transportation sector, which currently accounts for nearly 60% of the state's emissions. Electrification of transportation (EoT), particularly light duty vehicles, has been identified as a key component to meeting these goals. The objective of this work was to quantify the net GHG benefits of electric vehicles (EV) compared to the current fleet and other vehicle options. The analysis, conducted for the island of O'ahu, included the impacts of increasing penetration of renewable energy generation in the power sector and time-of- day charging of light duty vehicles.

KEY RESULTS: The analysis showed that, while the transition to EVs for the light duty vehicle fleet does have the potential to reduce GHG emissions, the reductions will be quite limited until the renewable generation on O‘ahu reaches a level requiring substantial amounts of curtailment. Until then, the increased demand for electricity to charge vehicles will require increased oil usage to meet the combined EV and power sector demand. Based on analysis conducted by HNEI, significant curtailment on O‘ahu will not occur until renewable generation is far higher than it is today (see “Capacity Value of Storage with High Penetration of PV and Storage” project summary). In the short term, greater reductions of GHG can be affected by the replacement of low-mileage internal combustion engine (ICE) vehicles with high-mileage Ref: (1) <https://www.hnei.hawaii.edu/wp-content/uploads/GHG-Reduction-from-Electrified-Transportation.pdf>

Thank you for considering my testimony.

[Sign Carlson Riggs – per Stirling Industries Llc, full name, and list your city, state, and zip code]



**Hawaiian
Electric**

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

HB 1252

Relating to Energy

February 7, 2023

8:45 AM, Agenda Item #6

Conference Room 325, VIDEO CONFERENCE

June Chee

Program Manager, Electrification of Transportation

Hawaiian Electric

Aloha Chair Lowen, Vice Chair Cochran, and Committee Members,

My name is June Chee, and I am testifying on behalf of Hawaiian Electric **in strong support of HB 1252**, which provides electric vehicle (EV) ready rebates for new affordable housing developments. The EV charging system (EVCS) rebate program administered by Hawaii Energy has successfully provided supplemental funding for EV charging infrastructure across the state. Expanding the EVCS rebate program to include the eligibility of EV-ready projects will increase the effectiveness of the program, provide resources to developers, and offer equitable transportation options for Hawaii's underserved communities.

This bill reflects an important step towards ensuring equitable access to clean transportation during this critical decade of change. In December 2022, the number of EVs in the state was 22,249, a 25.5 percent increase from the previous year.¹ On Oahu alone, EV ownership is forecasted to increase to approximately 430,000 vehicles by

¹ Hawaii State Department of Business, Economic Development and Tourism, Monthly Energy Trends, December 2022 [Energy_Trend.pdf \(hawaii.gov\)](#)

2045 making 55 percent of light-duty vehicles on Oahu roads fully electric.² Including EV-ready infrastructure in new buildings is crucial to ensure equitable access to Hawaii's clean transportation future.

While it is true that EV charging infrastructure increases project costs for developers, installing EV charging capability during the initial construction of a building mitigates and avoids the increased cost of retrofitting. Providing an EV-ready rebate for affordable housing developers will incentivize the inclusion of EV charging while reducing upfront costs to builders and developers. Hawaiian Electric strongly supports this bill. Thank you for the opportunity to testify.

² Hawaiian Electric. [Electrification of Transportation Strategic Roadmap \(hawaiielectric.com\)](https://www.hawaiielectric.com)



Email: communications@ulupono.com

HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION
Tuesday, February 7, 2023 — 8:45 a.m.

Ulupono Initiative supports HB 1252, Relating to Energy.

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 the 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 choices, and better management of freshwater resources.

Ulupono supports HB 1252, which provides rebates for eligible electric vehicle ready parking stalls for new construction of affordable housing; beginning with calendar year 2024, requires that electric vehicle ready parking for new construction be integrated as a criterion in the low-income housing tax credit qualified allocation plan.

Ulupono is very supportive of policies and programs that can accelerate the state's transition to greater electric vehicle (EV) adoption, especially ones that increase access to EV charging for low- to moderate-income households. The lack of access to charging is one of the top barriers to EV adoption.¹ This understanding is also demonstrated on the ground as well since 80% of Hawai'i EV drivers predominantly charge at home.² However, over 40% of Hawai'i residents live in multi-family unit housing and likely lack convenient home charging options.³

The proposed rebate and additional criterion to qualify for a low-income housing tax credit aims to encourage and offset the costs of installing EV-ready parking stalls for affordable housing developments. In doing so, this bill will increase affordable access to charging infrastructure and help provide access and improve the feasibility of owning an EV for more Hawai'i residents.

Enabling affordable housing developments to install EV-ready parking stalls is smart future-proofing. EV charging infrastructure should be installed, wherever and whenever possible, at the time of new construction because the cost of retrofits is significantly more

¹ <https://www.osti.gov/biblio/1854730>

² ² <https://www.ulupono.com/media/xj4cayeh/the-extra-mile-why-electric-vehicles-make-sense-for-hawaii-economy-environment-and-communities.pdf>

³ <https://dbedt.hawaii.gov/hhfdc/files/2017/03/Inventory-Report-2016.pdf>

expensive than when installed upfront, and such an upfront investment is a relatively small part of the total cost of a parking stall. For example, a case study in San Francisco estimated the cost of retrofit can be up to nine times the cost of EV-readiness at the time of new construction.⁴ Additionally, given that our recent research shows that a typical structured parking space can cost \$42,000–\$57,000 per space to build and the incremental cost of upgrading a parking space to be EV-ready is relatively low, the proposed rebate will ensure that cost is not a barrier to expanding EV charging options.⁵ Therefore, if an affordable housing developer fails to take advantage of this rebate, the residents in the affordable housing development will have to pay tens of thousands of dollars to install an EV charger at a later date—or worse yet, will simply not have access to convenient, affordable home charging nor the overall benefits of driving electric.

As our energy issues become more complex and challenging, we appreciate this committee’s efforts to look at policies that support clean ground transportation.

Thank you for the opportunity to testify.

Respectfully,

Micah Munekata
Director of Government Affairs

⁴ <https://energy-solution.com/wp-content/uploads/2016/09/PEV-Infrastructure-Cost-Effectiveness-Summary-Report-2016-07-20b.pdf>

⁵ <https://ulupono.com/media/ivcfs2pu/the-cost-of-parking-in-hawaii-report-2020-08.pdf?sha=27ef1b3a>

HB-1252

Submitted on: 2/5/2023 2:15:10 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|----------------------|---------------------------|---------------------------|
| laurel brier | Kauai Women's Caucus | Support | Written Testimony Only |

Comments:

It's much more efficient and inexpensive to incorporate EV infrastructure during construction. Let's make EV easier for everyone to access. Better for people and the planet

Big Island Electric Vehicle Association
hawaiidriveelectric@gmail.com
bigislandev.org



February 5, 2023

SUPPORT for HB1252 - RELATING TO ENERGY

Dear Chair Lowen, Vice Chair Cochran, and Committee Members,

Big Island EV Association is in support of HB1252.

HB1252 will contribute to the availability of charging infrastructure in Hawaii's homes. This measure is notable as it incentivizes the installation of EV-ready parking stalls in low-income housing developments.

EVs will benefit households that must own a personal vehicle. However, inadequate access to charging infrastructure is a barrier to adoption. This is especially true for residents who live in low-income multi-unit dwellings.

HB1252 will help rectify this by future-proofing new construction with EV-ready infrastructure. (This will also help us avoid expensive retrofitting.) Doing this will contribute to the equitable adoption of EVs.

Thank you for this opportunity.

Sincerely,

A handwritten signature in black ink, appearing to read 'Noel Morin', with a long horizontal line extending to the right.

Noel Morin - President

Big Island Electric Vehicle Association (bigislandev.org), established in 2011, is a grassroots non-profit group dedicated to accelerating the EV adoption Hawaii Island. Our members are EV owners and supporters.



To: The House Committee on Energy and Environmental Protection
From: Sherry Pollack, 350Hawaii.org
Date: Tuesday, February 7, 2023, 8:45am

In support of HB1252

Aloha Chair Lowen, Vice Chair Cochran, and Energy and Environmental Protection Committee members,

I am Co-Founder of the Hawaii chapter of 350.org, the largest international organization dedicated to fighting climate change. 350Hawaii.org **supports HB1252** that provides rebates for eligible electric vehicle ready parking stalls for new construction of affordable housing. Beginning with calendar year 2024, this measure also requires that electric vehicle ready parking for new construction be integrated as a criterion in the low-income housing tax credit qualified allocation plan.

Parking stalls for affordable housing units are not constructed to be electric vehicle ready because of the added cost and because affordable housing is exempted from electric vehicle ready county requirements. But for Hawaii to achieve its sustainable transportation and climate goals, we must electrify ground transportation on our islands as soon as possible. **And in a just transition, no one is left behind.**

Access to vehicle charging infrastructure presents a barrier and an equity issue for low-income families who are unable to access the savings and other benefits associated with electric vehicle ownership because they lack access to charging infrastructure. Clearly, adequate vehicle charging infrastructure is a **MUST** for the democratization of transportation. To adopt electric cars, everyone must have access to charging. Providing incentives for electric vehicle ready new construction for affordable housing, as in HB1252, is an effective step to address this important equity issue.

Mahalo for the opportunity to testify.

Sherry Pollack
Co-Founder, 350Hawaii.org



Environmental Caucus of The Democratic Party of Hawai'i

Feb.5th 20023

TO: COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Rep. Nicole E. Lowen, Chair
Rep. Elle Cochran, Vice Chair

CONCERNING: HB1326 (Environment), **HB179** (Deposit Beverage Container materials)
HB949 (Renewable Energy), **HB1252** (Energy), **HB347** (Electric Vehicle
Charging Systems), **HB419** (Residential photovoltaic Energy Generating
Systems), **HB1200** (Conservation and Resources Enforcement)

POSITION: Strong Support

The Environmental Caucus enthusiastically supports the bills listed above. Our state has suffered for decades under increasing waste production and paid out a fortune to find places to ship it to or dumping miscellaneous and questionable refuse into landfills without proper concerns for any residual and permanent contamination of the ground or what lies beneath. Recent implementation of rules concerning plastic products, recyclable packaging and collections, together with the public's increasing awareness of their roles in limiting waste have improved the situation, but not enough. We need more action now and the businesses who create waste products should take the lead in remedying the situation. Any bills which help that to happen are overdue and should be passed.

We are also late in providing electric vehicle infrastructure support for which there is no excuse. We have had the technology for many years. Hawaii is a state uniquely suited for electric vehicle use and any bills which promote the purchase and infrastructure development for them will go further to reduce our dependence on gasoline and the air pollution it causes than any other measures currently being discussed.

Finally bills may be passed and laws put on the books but violations and abuses by ignorant or greedy individuals, or corporate entities are prevalent and the responsible enforcement agencies are overwhelmed and short staffed. We are fortunate to have comparatively inexpensive technology available now to help those agencies do their job. Laws protecting fragile resources are useless if we cannot enforce them.

Please pass the bills through this year, because as time passes the results of not passing them now will be more difficult to deal with,

Martha E Randolph
DPH Environmental Caucus SCC Representative
Member of DPH Legislative Priorities Committee
Precinct 2 Rep, District 27 Council

HB-1252

Submitted on: 2/5/2023 10:56:19 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------------|---------------------------|---------------------------|
| Ted Bohlen | Climate Protectors Hawaii | Support | Written Testimony Only |

Comments:

Strong support!

Hawaii Electric Vehicle Association

hawaiiev.org
info@hawaiieva.com



February 6, 2023

Dear Chair Lowen, Vice Chair Cochran, and members of the Committee,

The Hawaii Electric Vehicle Association (Hawaii EV) strongly supports HB1252 but suggests that it be strengthened.

The stated purpose of HB1252 is to: “provide incentives for electric vehicle ready new construction for affordable housing by: (1) Beginning with calendar year 2024 requiring that electric vehicle ready parking for new construction be integrated as a criterion in the low-income housing tax credit qualified allocation plan; and (2) Providing rebates for eligible electric vehicle ready parking stalls for new construction of affordable housing.”

Hawaii EV is in favor of mandates only in certain circumstances, generally preferring incentives (“carrots”) over mandates and penalties (“sticks”). However, in this case we can see no good reason why all new low-income housing should not be built with EV charger make-readies, given the dramatically lower cost of including make-readies in initial construction rather than after-the-fact.

Accordingly, in this circumstance we request that the bill be modified to require all new low-income housing construction tax credit applications to include EV charger make-readies in their proposals – rather than making it only a criterion for tax credit eligibility.

We also suggest that language be included requiring all parking stalls to be equipped with Level 2 EV charger make-readies (conduit and wiring) such that the building could then later be equipped with the actual Level 2 chargers.

Thank you for this opportunity to testify.

Sincerely,

A handwritten signature in black ink, appearing to read "TH", is written above a horizontal line.

Tam Hunt



Board Member and Policy Manager
Hawaii EV Association

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.

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



HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

February 7, 2023, 8:45 AM

Room 325

TESTIMONY IN SUPPORT OF HB 1252

Aloha Chair Lowen, Vice Chair Cochran, and Committee members:

Blue Planet Foundation **supports HB 1252**, which establishes rebates for new affordable housing to construct parking lots that are "EV charger-ready." This bill would help save money for residents on future EV charger installation, reduce the barriers to EV adoption, and address the urgent challenge of reducing carbon emissions from ground transportation.

Electric vehicles are shaping the future of transportation

Electric vehicles are the fastest growing segment of new cars in Hawai'i. In 2022, the number of registered electric vehicles in Hawai'i increased more than 25%, compared to only a 1% increase in registered gasoline-powered vehicles.¹ There are currently over 22,000 electric vehicles registered in the state, a number that is expected to rise exponentially as more electric vehicles come to market, vehicle ranges increase, and the cost of electric vehicles decreases.

Battery costs have fallen precipitously over the past several years so that in many cases, the total cost of ownership for EVs is lower than for gasoline-powered vehicles. Experts expect battery prices to continue to fall, and as automakers increase the number of models and volume of EVs in the next few years, the upfront cost of EVs is expected to reach cost parity with conventional vehicles by 2024.²

In part due to falling costs and increasing consumer demand, and in part due to government policies encouraging the transition towards EVs, nearly all of the world's leading automakers have announced aggressive strategies and investments in electric and plug-in hybrid vehicles over the past two years.³ **This bill helps to prepare Hawai'i for the future demand for electric vehicles in our state.**

¹ "Monthly Energy Trends", *DBEDT*, December 2022 (<https://dbedt.hawaii.gov/economic/energy-trends-2/>).

² Slowik, Peter, et. al. "Assessment of Light-duty Electric Vehicle Costs and Consumer Benefits in the United States in the 2022-2035 Time Frame." *The International Council on Clean Transportation*. October 2022. (<https://theicct.org/publication/ev-cost-benefits-2035-oct22/>).

³ Motavalli, Jim. "Every Automaker's EV Plans Through 2035 and Beyond." *Forbes*, October 2021. (<https://www.forbes.com/wheels/news/automaker-ev-plans/>).

The lack of EV charging is a barrier to adoption and an equity issue

The International Energy Agency found that “the availability of chargers emerged as one of the key factors for contributing to the market penetration of EVs.”⁴ Unlike gasoline car owners, 80% of EV drivers charge their cars at home or at work.⁵ Residents in multi-unit dwellings or condos, however, are often unable to find a place to charge, preventing them from receiving the benefits of EVs. This is a fundamental equity issue in Hawai‘i: a large segment of residents in Hawai‘i live in multi-family housing, in part because single-family homes are financially out of reach for many. **This bill reduces barriers to EV adoption and addresses social inequities. By providing incentives for new affordable housing to be made EV charger ready, we support low- and moderate-income residents who couldn’t otherwise afford to install EV chargers at their homes.**

Installing EV-ready wiring is cheaper pre-construction

The most challenging aspect of EV charger installation is the common lack of electrical capacity and distributed subpanels to support broad deployment of charging infrastructure. Studies have shown that installing EV infrastructure at the time of construction can be 91% less expensive than post-construction retrofits, and that per stall installation costs can be reduced through economies of scale, by deploying more stations at time of construction.⁶ Requiring that the power capacity and conduit be set up during construction would dramatically reduce retrofit costs at the time of installation, creating significant cost savings for affordable-housing renters and homeowners.

By choosing not to plan for EV charging infrastructure in new housing construction, low-income residents would be forced to pay expensive retrofit costs to upgrade power capacity later when ground transportation has shifted to electric vehicles—a transition that is already well underway. **This bill is about future proofing our new affordable housing and encouraging developers to be proactive in installing the power capacity and wiring needed for future EV charging infrastructure.**

Expanding EV charging infrastructure benefits all electricity users

Expanding access to EV charging is critical to unlock benefits for all electricity users, not just for EV drivers. **Enabling EV charging during the middle of the day allows more low-cost solar to be added to the grid and helps the overall energy system.** When large numbers of EVs—which are essentially batteries on wheels—are connected to the electricity grid simultaneously,

⁴ *Global EV Outlook 2017*, International Energy Agency, June 2017, <https://www.iea.org/reports/global-ev-outlook-2017>.

⁵ *Ibid.*

⁶ See <http://evchargingpros.com/wp-content/uploads/2017/04/City-of-SF-PEV-Infrastructure-Cost-Effectiveness-Report-2016.pdf>.

they could be used to help manage the system through demand response, load shifting, and other grid services.

Conclusion

~~R~~~~By~~ recognizing that automakers are rapidly moving towards electric vehicles, and that a lack of charging infrastructure remains a barrier to more widespread EV adoption, HB 1252 is an opportunity to ~~lawmakers should~~ incentivize the installation of EV-ready charging infrastructure in new affordable housing construction. In doing so, we ~~can prepare~~~~can help to prepare~~ residents for the future of transportation, address equity issues for low- and moderate-income residents, and reduce unnecessary financial costs to working families and local residents— all while tackling the urgent challenge of reducing carbon emissions from ground transportation in Hawai'i.

For these reasons, Blue Planet is in strong support of HB 1252.

Thank you for the opportunity to provide testimony.



February 2, 2023

Representative Nicole Lowen, Chair
Representative Elle Cochran, Vice Chair
Members of the Committee on Environmental Protection

RE: **HB1252 – RELATING TO ENERGY**
Hearing date – February 7, 2023 at 1:30 p.m.

Aloha Chair Lowen, Vice Chair Cochran and members of the committees,

Thank you for allowing NAIOP Hawaii to submit testimony with **COMMENTS ON HB1252 – RELATING TO ENERGY**. 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. NAIOP Hawaii is generally supportive of efforts to incentivize sustainability.

HB 1252 provides rebates for eligible electric vehicle ready parking stalls for new construction of affordable housing starting in 2024. Further, the measure requires that electric vehicle ready parking for new construction be integrated as a criterion in the low-income housing tax credit qualified allocation plan.

NAIOP Hawaii appreciates the legislature’s intent to incentivize the installation of EV charging stations in affordable housing projects. Currently, Hawaii is experiencing higher construction costs due to inflation and interest rates have significantly risen in the past year making affordable housing projects nearly infeasible.

NAIOP Hawaii understands the need for zero-emission transportation infrastructure, however, the cost should not be placed upon the developers of affordable housing, and future homeowners. We support the rebate, however, the \$1,750 amount may not adequately offset the high cost of level 2 EV charging stations. We would recommend an increase in the rebate amount to prevent the substantial cost of level stations from being placed on affordable housing buyers.

Furthermore, we recommend that Qualified Allocation Plan (QAP) mandating EV ready parking be integrated as a criterion be removed. Making this a mandatory requirement would effectively and permanently mandate EV stalls. HHFDC’s position is that the legislature should not impose permanent statutory requirements into the QAP to

Representative Nicole Lowen, Chair
Representative Elle Cochran, Vice Chair
Members of the Committee on Environmental Protection
February 2, 2023
Page 2

pick one green technology of the day over another. On EV stalls specifically, there is already preference given to green initiatives and improvements in the QAP, so making this requirement unnecessary. Ultimately, the mandate is excessive as HHFDC has the discretion to make adjustments to the QAP annually as needed and as the market, technology, need for parking or other conditions change.

NAIOP feels that a rebate should be increased to offset the cost of installing EV chargers to further incentivize developers. Further, requirements included in the QAP should be removed to prevent a mandate from being implemented. Thank you for the opportunity to testify on this measure.

Mahalo for your consideration,

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

Jennifer Camp, President
NAIOP Hawaii

*Expanding the range of opportunities for all by
developing, managing and promoting quality
affordable housing and diverse communities.*



Testimony of EAH Housing | Hawai'i Region
RELATING TO HB1252

Tuesday February 07, 2023 at 8:45 AM,
Written Testimony Only

Committee On Energy & Environmental Protection
Chair Nicole Lowen, Vice Chair Elle Cochran,
Members Cedric Gates, Kirstin Kahaloa, Amy Perruso,
Justin Woodson, and Gene Ward

We appreciate the opportunity to provide testimony in **Opposition** to HB1252.

While there may be a growing adoption of electric vehicles among Hawaii residents, electric vehicles continue to be unattainable for low-income residents as they pay an increasingly higher percentage of their incomes for housing due to average rent increases outpacing inflation.

Introducing additional regulatory and financial barriers into the qualified allocation plan will increase the cost of creating affordable rental housing by requiring more subsidy per unit, thereby effectively reducing the number of units that can be produced.

Reducing the propensity to drive by encouraging the use of public transit is a more elegant solution to reducing the costs of living for Hawaii residents and for decreasing carbon reduction, because the use of electric cars that equals the current use of gas vehicles will cancel out the carbon reduction brought on by electrification.

Thank you for the opportunity to provide input on HB1252.

A handwritten signature in black ink that reads "Karen Seddon". The signature is written in a cursive, flowing style.

Karen Seddon, Regional Vice President
EAH Housing

EAH Housing is a non-profit corporation founded with the belief that attractive affordable rental housing is the cornerstone to sustainable, healthy, and livable communities.

1001 Bishop Street, Suite 2880
Honolulu, Hawaii 96813
(808) 466-7774

HB-1252

Submitted on: 2/6/2023 12:37:56 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|------------------------|---------------------------|------------------------|
| Keala Dickhens | Blue Planet Foundation | Support | Written Testimony Only |

Comments:

- The most challenging aspect of EV charger installation is the common lack of electrical capacity to support charging infrastructure. In buildings that are not "EV charger-ready," tenants may pay up to 91% more for expensive retrofits to install the necessary wiring to their parking stalls.
- Embracing electric vehicles is an important part of addressing climate change and reducing ground transportation emissions.

HB-1252

Submitted on: 2/1/2023 11:02:34 AM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|---------------------------|
| Douglas Perrine | Individual | Support | Written Testimony Only |

Comments:

I support HB1252

HB-1252

Submitted on: 2/3/2023 11:48:13 AM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|------------------------|
| Mattison Priest | Individual | Support | Written Testimony Only |

Comments:

Aloha Chair Lowen, Vice Chair Cochran, and members of the Committee,

I am testifying in support of HB 1252, which provides incentives for new affordable housing developments that are built to be electric vehicle charger-ready.

Accessibility to EV charging remains a significant barrier to the wider adoption of electric vehicles in Hawai'i. This barrier is even greater for working families who plan to live in affordable housing developments and lack the convenience of charging an EV at home.

Installing "EV charger-ready" infrastructure is much cheaper during construction compared to expensive retrofits that must be paid by tenants once a building is completed. By incentivizing new affordable housing to be ready for the future demand of electric vehicles, we can make electric vehicles more accessible to our working families and local residents.

Electric vehicles are the fastest growing segment of new cars and play a critical role in Hawai'i's clean energy future. I support incentives for EV-ready affordable housing to help encourage electric vehicle adoption, significantly lower the cost for local families to install EV charging in the future, and address the urgent challenge of reducing carbon emissions.

Please pass HB 1252.

Thank you for considering my testimony.

[Mattison Priest, Honolulu, HI, 96817]

HB-1252

Submitted on: 2/3/2023 1:06:47 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|------------------------|
| Lei-Anne Jones | Individual | Support | Written Testimony Only |

Comments:

TO: House Committee on Energy & Environmental Protection

SUBJECT: Support for HB 1252, RELATING TO ENERGY, February 7, 2023, 8:45 AM hearing

Aloha Chair Lowen, Vice Chair Cochran, and members of the Committee,

I am testifying in support of HB 1252, which provides incentives for new affordable housing developments that are built to be electric vehicle charger-ready.

Accessibility to EV charging remains a significant barrier to the wider adoption of electric vehicles in Hawai'i. This barrier is even greater for working families who plan to live in affordable housing developments and lack the convenience of charging an EV at home.

Installing "EV charger-ready" infrastructure is much cheaper during construction compared to expensive retrofits that must be paid by tenants once a building is completed. By incentivizing new affordable housing to be ready for the future demand of electric vehicles, we can make electric vehicles more accessible to our working families and local residents.

Electric vehicles are the fastest growing segment of new cars and play a critical role in Hawai'i's clean energy future. I support incentives for EV-ready affordable housing to help encourage electric vehicle adoption, significantly lower the cost for local families to install EV charging in the future, and address the urgent challenge of reducing carbon emissions.

Please pass HB 1252.

Thank you for considering my testimony.

Lei-Anne Jones, Honolulu, HI 96822

HB-1252

Submitted on: 2/3/2023 2:20:06 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|------------------------|
| Leigh Anne Mayberry | Individual | Support | Written Testimony Only |

Comments:

TO: House Committee on Energy & Environmental Protection

SUBJECT: Support for HB 1252, RELATING TO ENERGY, February 7, 2023, 8:45 AM hearing

Aloha Chair Lowen, Vice Chair Cochran, and members of the Committee,

I am testifying in support of HB 1252, which provides incentives for new affordable housing developments that are built to be electric vehicle charger-ready.

One of the things I love most about Hawaii is the way our people care about the land and the people living here. HB 1252 addresses both of these by reducing emissions and providing a more cost-effective option for residents. Additionally, as an island nation that is increasingly impacted by the effects of climate change, Hawaii should do everything possible to continue to reduce ground transportation emissions and embrace electric vehicles.

Accessibility to EV charging remains a significant barrier to the wider adoption of electric vehicles in Hawai'i. This barrier is even greater for working families who plan to live in affordable housing developments and lack the convenience of charging an EV at home.

Installing "EV charger-ready" infrastructure is much cheaper during construction compared to expensive retrofits that must be paid by tenants once a building is completed. By incentivizing new affordable housing to be ready for the future demand of electric vehicles, we can make electric vehicles more accessible to our working families and local residents.

Electric vehicles are the fastest growing segment of new cars and play a critical role in Hawai'i's clean energy future. I support incentives for EV-ready affordable housing to help encourage electric vehicle adoption, significantly lower the cost for local families to install EV charging in the future, and address the urgent challenge of reducing carbon emissions.

Please pass HB 1252.

Thank you for considering my testimony.

Leigh Anne Mayberry, Honolulu, HI 96815

HB-1252

Submitted on: 2/3/2023 2:51:13 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|------------------------|
| Cindy Nawilis | Individual | Support | Written Testimony Only |

Comments:

Aloha Chair Lowen, Vice Chair Cochran, and members of the Committee,

I am testifying in support of HB 1252, which provides incentives for new affordable housing developments that are built to be electric vehicle charger-ready.

Accessibility to EV charging remains a significant barrier to the wider adoption of electric vehicles in Hawai'i. This barrier is even greater for working families who plan to live in affordable housing developments and lack the convenience of charging an EV at home. In my case, I have a plug-in hybrid because going full electric carries risks for as long as I live in the condo building that I'm in, which was built in 1979 and has no EV charging options in the present or future due to lack of will by the association's Board of Directors. This is why I support new buildings to be built with EV charging stations.

Installing "EV charger-ready" infrastructure is much cheaper during construction compared to expensive retrofits that must be paid by tenants once a building is completed. By incentivizing new affordable housing to be ready for the future demand of electric vehicles, we can make electric vehicles more accessible to our working families and local residents.

Electric vehicles are the fastest growing segment of new cars and play a critical role in Hawai'i's clean energy future. I support incentives for EV-ready affordable housing to help encourage electric vehicle adoption, significantly lower the cost for local families to install EV charging in the future, and address the urgent challenge of reducing carbon emissions.

Please pass HB 1252.

Thank you for considering my testimony.

Sincerely,

Cindy Nawilis (Honolulu, HI 96822)

HB-1252

Submitted on: 2/3/2023 6:18:16 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|------------------------|
| B.A. McClintock | Individual | Support | Written Testimony Only |

Comments:

Electric vehicles are the fastest growing segment of new cars and play a critical role in Hawai'i's clean energy future. I support incentives for EV-ready affordable housing to help encourage electric vehicle adoption, significantly lower the cost for local families to install EV charging in the future, and address the urgent challenge of reducing carbon emissions. Please support this important bill.

HB-1252

Submitted on: 2/4/2023 2:01:02 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|---------------------------|
| Gerard Silva | Individual | Oppose | Written Testimony Only |

Comments:

Electric Cars are a big waste of Time. The Batterys Cost more then the Car and repairing them is not Affordable Get Ride of Electric Cars and Trucks they are just not for the People. We need the Government to WORK for the people and not for there on Pockets!!!

HB-1252

Submitted on: 2/4/2023 8:27:20 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|---------------------------|
| Lorna Holmes | Individual | Support | Written Testimony Only |

Comments:

Please pass this bill, as it is so important to build up the infrastructure supporting electric vehicle charging. We should be doing everything possible to encourage installation of many more charging stations, and everyone living in apartment buildings should be able to charge where they live. Mahalo,

Lorna Holmes, Honolulu 96817

HB-1252

Submitted on: 2/4/2023 9:10:43 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|---------------------------|
| Lauren Blickley | Individual | Support | Written Testimony Only |

Comments:

I SUPPORT [HB1252](#) that provides rebates for eligible electric vehicle ready parking stalls for new construction of affordable housing, and requires electric vehicle ready parking for new construction be integrated as a criterion in the low-income housing tax credit qualified allocation plan.

The lack of adequate vehicle charging infrastructure presents a barrier to widespread EV adoption, particularly for residents who are renters or who live in apartment buildings. This barrier creates an equity issue for low-income families who are unable to access the savings and other benefits associated with electric vehicle ownership because they lack access to charging infrastructure.

Please support this effort that enables our communities across Hawai'i to more fully embrace and adopt EV's.

HB-1252

Submitted on: 2/5/2023 2:31:13 AM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|---------------------------|
| Kate Thompson | Individual | Support | Written Testimony Only |

Comments:

Aloha,

I have 2009 Nissan Versa car. I have been waiting to buy an electric car. I own a condominium and our Association can't seem to get the electric charging program together. The topic keeps cycling through board meetings but there are still 'too many barriers' to starting the program. We need government support to get the vehicle electrical charging programs actualized for condominiums and apartment complexes throughout Hawaii.

HB-1252

Submitted on: 2/5/2023 8:54:09 AM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|------------------------|
| Michele Nihipali | Individual | Support | Written Testimony Only |

Comments:

HB1252 would provide incentives for electric vehicle ready new construction for affordable housing. Access to vehicle charging infrastructure presents a barrier and an equity issue for low-income families who are unable to access the savings and other benefits associated with electric vehicle ownership because they lack access to charging infrastructure. As we transition away from gas vehicles, we need to take close account of our LMI/ALICE communities. They have economic concerns that must be accounted for as we decarbonize our transportation sector.

- Adequate vehicle charging infrastructure is a MUST for the democratization of transportation. To adopt electric cars, everyone must hav access to charging.

Please support HB 1252

Thank you for your consideration,

Michele Nihipali

54-074 A Kam Hwy.

Hauula HI 96717

HB-1252

Submitted on: 2/5/2023 11:58:42 AM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|---------------------------|
| sharon Levine | Individual | Support | Written Testimony Only |

Comments:

Dear All.

I was speaking with the president of the association in the hapartment building I live in about improvements that can be made. I brought up the importance of having charging infrastructure for the future of electric cars. He asked me what would be needed. I said Solar panels. The top tier of the parking lot gets full sun most of the day and people choose to park on lower levels to be out of the sun.

i support this bill because not only is it about being proactive about our future it focuses on affordable housing. This may be an added burden if the cost is prohibitive, but it is important to afford all people with infrastructure for a more sustainable future,

sincerely,

sharon levine

makaha

HB-1252

Submitted on: 2/5/2023 1:55:18 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|------------------------|
| Mary Lu Kelley | Individual | Support | Written Testimony Only |

Comments:

Aloha,

HB1252 will provide incentives for electric vehicle ready new construction for affordable housing. Access to vehicle charging infrastructure presents a barrier and an equity issue for low-income families who are unable to access the savings and other benefits associated with electric vehicle ownership because they lack access to charging infrastructure. As we transition away from gas vehicles, we need to take close account of our LMI/ALICE communities. They have economic concerns that must be accounted for as we decarbonize our transportation sector.

We must have adequate vehicle charging infrastructure for the democratization of transportation. To adopt electric cars, everyone must have access to charging.

I have been driving an all electric car for the past 5 years and personally know that we do not have enough charging stations on Kauai. Our family has a total of 5 electric cars. We have had the money to invest in solar, Tesla Powerwalls and Jukebox, a fast charging outlet. Not everyone can afford these charging investments. This bill will help us get there so that everyone who wants to charge their electric car can do so. Our Earth and the people of Hawaii need this bill.

Please pass HB1252. Thank you.

HB-1252

Submitted on: 2/5/2023 2:03:31 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|------------------------|
| tlaloc tokuda | Individual | Support | Written Testimony Only |

Comments:

Aloha EEP Chair, Vice Chair & Committee,

I support HB1252. because it tries to make owning an electric more equitable by providing recharging infrastructure in areas where low income families live. This is especially true when fleets of rental ECars come on line. This is an area where infrastructure support is needed.

Adequate vehicle charging infrastructure is a **MUST** for the democratization of transportation. To adopt electric cars, everyone must have access to charging.

Mahalo for your consideration,

tlaloc tokuda

Kailua Kona, HI 96740

HB-1252

Submitted on: 2/5/2023 2:53:49 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|------------------------|
| Katherine Fryer | Individual | Support | Written Testimony Only |

Comments:

I urge you to pass HB1252, which would incentivize inclusion of electric vehicle charging stations in new construction of affordable housing. Low-income families are the ones who would benefit most from the low cost of fueling EVs, but their access to EV charging facilities is prohibitively limited. We need to make this resource available and ensure that no one is left behind in our transition to clean transportation.

HB-1252

Submitted on: 2/5/2023 3:56:27 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|---------------------------|
| Muftiah Martin | Individual | Support | Written Testimony Only |

Comments:

Aloha,

This bill would be a fantastic step toward making electric vehicles more widely available for our island ohana, and is so essential to combatting climate change. We should be doing everything we can that will help to reduce carbon emissions. We, on the islands, know as well as anybody how important it is to keep global temperatures from rising further. Thank you for your consideration of this bill!

HB-1252

Submitted on: 2/5/2023 5:39:03 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|---------------------------|
| Dylan Ramos | Individual | Support | Written Testimony Only |

Comments:

Aloha,

I testify in strong support of HB1252. As Hawaii transitions to a green future, our green infrastructure must be built to support our low-income neighbors as well.

Mahalo,
Dylan Ramos
96816

HB-1252

Submitted on: 2/6/2023 5:23:12 AM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|---------------------------|
| Daniela Escontrela | Individual | Support | Written Testimony Only |

Comments:

I Strongly support this bill. The lack of adequate vehicle charging infrastructure presents a barrier to widespread EV adoption, particularly for residents who are renters or who live in apartment buildings. This barrier creates an equity issue for low-income families who are unable to access the savings and other benefits associated with electric vehicle ownership because they lack access to charging infrastructure.

HB-1252

Submitted on: 2/6/2023 8:00:39 AM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|---------------------------|
| Paul Bernstein | Individual | Support | Written Testimony Only |

Comments:

Aloha Chair Lowen, Vice Chair Cochran, and Members of the EEP Committee:

I'm writing in support of HB1252 as it will help lower income households make the transition to a clean energy economy. Please pass this bill out of your committee.

Respectfully,

Paul Bernstein

HB-1252

Submitted on: 2/6/2023 8:30:40 AM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|---------------------------|
| Camile Cleveland | Individual | Support | Written Testimony Only |

Comments:

Aloha - I am testifying in strong support of HB1252 which would provide incentives for EV-ready new construction for affordable housing. Access to EV charging is one of the many barriers for low income families face to EV ownership, and this bill is a critical equity measure which would support low- and moderate-income families participating in the transition to decarbonized transportation.

Mahalo for the opportunity to testify.

HB-1252

Submitted on: 2/6/2023 8:39:38 AM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|----------------|
| Matthew Geyer | Individual | Support | In Person |

Comments:

Aloha, and thank you for hearing this bill. I have personally had the experience of looking for an apartment that has EV charging available, and it was extremely difficult. Harder than finding one that accepts pets for sure, especially for the more reasonably priced apartments. I think it has gotten better since then, but there is a long way to go. This bill is important because it will increase the speed at which low income families are able to switch to EVs. EVs have very little maintenance and buying electricity to charge them is much cheaper than buying gas, so in the long run, switching from gas powered cars to EVs will benefit low income families financially.

HB-1252

Submitted on: 2/6/2023 3:04:09 PM

Testimony for EEP on 2/7/2023 8:45:00 AM

| Submitted By | Organization | Testifier Position | Testify |
|---------------------|---------------------|---------------------------|------------------------|
| ANDREW ISODA | Individual | Support | Written Testimony Only |

Comments:

= HB1252 would provide incentives for electric vehicle ready new construction for affordable housing. Access to vehicle charging infrastructure presents a barrier and an equity issue for low-income families who are unable to access the savings and other benefits associated with electric vehicle ownership because they lack access to charging infrastructure. As we transition away from gas vehicles, we need to take close account of our LMI/ALICE communities. They have economic concerns that must be accounted for as we decarbonize our transportation sector.

- Adequate vehicle charging infrastructure is a MUST for the democratization of transportation. To adopt electric cars, everyone must have access to charging.