



DAVID Y. IGE
GOVERNOR

JOSH GREEN
LT. GOVERNOR

**STATE OF HAWAII
OFFICE OF THE DIRECTOR
DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS**

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CATHERINE P. AWAKUNI COLÓN
DIRECTOR

JO ANN M. UCHIDA TAKEUCHI
DEPUTY DIRECTOR

Testimony of the Department of Commerce and Consumer Affairs

**Before the
Senate Committee on Energy, Economic Development, and Tourism
and
Senate Committee on Transportation
Wednesday, March 30, 2022
3:15PM
Conference Room 224 & Videoconference**

On the following measure:

**SCR 103/SR 91, REQUESTING THE HAWAII STATE ENERGY OFFICE TO
CONVENE A WORKING GROUP TO EXAMINE ISSUES AND BARRIERS TO THE
INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT
DWELLINGS AND MAKE RECOMMENDATIONS REGARDING CHANGES TO
STATUTES, RULES, AND OTHER GUIDANCE TO HELP CLARIFY AND
FACILITATE THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS
IN MULTI-UNIT DWELLINGS**

Chairs Wakai and Lee and Members of the Committee:

My name is Dean Nishina, and I am the Executive Director of the Department of Commerce and Consumer Affairs' (Department) Division of Consumer Advocacy. The Department appreciates the intent and offers comments on this resolution.

The purpose of this resolution is to request the Hawaii State Energy Office (HSEO) to convene a working group to examine issues and barriers to the installation of electric vehicle charging systems in multi-unit dwellings and make recommendations regarding changes to statutes, rules, and other guidance to help clarify and facilitate the installation of electric vehicle charging systems in multi-unit dwellings.

The Department recognizes the benefits of electric vehicles on helping Hawaii with its climate goals, especially since the transportation sector, including motor vehicles, represents the largest contributor to carbon emissions. For that reason, the Department supports the exploration of how electric vehicles (EV) and EV charging can be encouraged in an equitable and cost-effective manner, where EVs and EV charging will be broadly accessible, affordable without requiring vulnerable customers to bear the burden of supporting the costs without being able to benefit from such efforts, and to allow EV charging to benefit the grid. Therefore, while the Department defers to HSEO about convening a working group pursuant to this resolution, the Department believes it is reasonable to better understand barriers and issues that may inhibit the installation of electric vehicle charging systems in multi-unit dwellings and determine possible changes to support the cost-effective and equitable installation of EV charging infrastructure.

The Department also offers that the Hawaii Public Utilities Commission (Commission) is currently investigating the facilitation of electric vehicle charging within the context of current statutes and rules in various proceedings such as, Docket Nos. 2018-0088, 2018-0135, 2020-0152, and 2021-0173, to name examples. Further, the Department - as well as HSEO - participates in the Drive Electric Hawaii initiative that is exploring similar issues. Thus, the Department looks forward to collaborating with the proposed working group to take advantage of the work already done and is being done by the Drive Electric Hawaii Initiative as well as the Commission.

Thank you for the opportunity to testify on this resolution.

TESTIMONY OF
JAMES P. GRIFFIN, Ph.D.
CHAIR, PUBLIC UTILITIES COMMISSION
STATE OF HAWAII

TO THE
SENATE COMMITTEES ON
ENERGY, ECONOMIC DEVELOPMENT, AND TOURISM
AND
TRANSPORTATION

March 30, 2022
3:15 p.m.

Chair Wakai, Chair Lee, and Members of the Committees:

MEASURE: S.C.R. No. 103 / S.R. 91

TITLE: REQUESTING THE HAWAII STATE ENERGY OFFICE TO CONVENE A WORKING GROUP TO EXAMINE ISSUES AND BARRIERS TO THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS AND MAKE RECOMMENDATIONS REGARDING CHANGES TO STATUTES, RULES, AND OTHER GUIDANCE TO HELP CLARIFY AND FACILITATE THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS.

POSITION:

The Public Utilities Commission (“Commission”) offers the following comments for consideration.

COMMENTS:

The Commission supports the intent of these resolutions to examine barriers to the installation of electric vehicle charging systems and develop recommendations to resolve any identified issues.

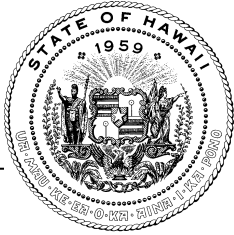
The Commission notes that it recently approved Hawaiian Electric’s (“Companies”) “Charge Ready Hawai’i” Pilot Project. This program proposes installing make-ready infrastructure to enable an estimated 180 charging points in the Companies’ service territories. This is intended to support customer installation of electric vehicle charging

infrastructure at commercial sites, multi-unit dwellings, and fleet parking locations. The program intends to reduce upfront costs for customers seeking to install charging infrastructure by providing make-ready infrastructure at the Companies' expense. In its approval order, the Commission "encourage[d] the Companies to deploy infrastructure in underserved communities and to prioritize when possible, sites that provide unrestricted public access to charging facilities."¹

The Commission is willing to work with the Hawaii State Energy Office (HSEO) on the efforts proposed in these resolutions and defers to HSEO on the specific contents of the resolutions.

Thank you for the opportunity to testify.

¹ [Decision & Order No. 38194](#), at 40.



HAWAII STATE ENERGY OFFICE STATE OF HAWAII

DAVID Y. IGE
GOVERNOR

SCOTT J. GLENN
CHIEF ENERGY OFFICER

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Mailing Address: P.O. Box 2359, Honolulu, Hawaii 96804

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Testimony of
SCOTT J. GLENN, Chief Energy Officer

before the
**SENATE COMMITTEES ON ENERGY, ECONOMIC DEVELOPMENT, AND TOURISM
AND TRANSPORTATION**

Wednesday, March 30, 2022
3:15 PM
State Capitol, Conference Room 224 & Videoconference

**SUPPORT
SCR 103 / SR 91
REQUESTING A WORKING GROUP TO EXAMINE ISSUES AND BARRIERS TO
THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-
UNIT DWELLINGS AND MAKE RECOMMENDATIONS REGARDING CHANGES TO
STATUTES, RULES, AND OTHER GUIDANCE TO HELP CLARIFY AND
FACILITATE THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS
IN MULTI-UNIT DWELLINGS.**

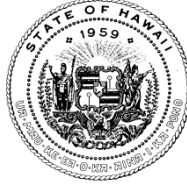
Chair Wakai and Lee, Vice Chairs Misalucha and Inouye, and Members of the Committees, the Hawai'i State Energy Office (HSEO) offers support with comments on SCR 103 / SR 91, which requests the Hawaii State Energy Office to convene a working group to examine issues and barriers to the installation of electric vehicle charging systems in multi-unit dwellings (MUDs) and make recommendations regarding changes to statutes, rules, and other guidance to help clarify and facilitate the installation of electric vehicle charging systems in multi-unit dwellings.

Emissions from transportation account for the largest share of energy sector emissions in the state. As noted in the 2017 Greenhouse Gas Inventory, transportation emissions in Hawai'i account for 51 percent of total energy sector emissions. A coordinated effort is needed amongst a wide range of stakeholders to continue meaningful progress on clean transportation. Ensuring access for residents of MUDs to fuel their zero-emission vehicles is necessary to maintain momentum in the decarbonization of ground transportation. Access to charging infrastructure is improving but remains one of the significant barriers to electric vehicle (EV) adoption.

HSEO offers the following comments regarding leading the working group to examine EV charging in MUDs. HSEO notes there are currently no generally funded transportation positions within HSEO to support leading this working group. The Senate Committee on Ways and Means is currently considering HB 1600 HD1 for decision making. HB 1600 HD1 provides general funds for an authorized but unfunded Energy Analyst position in HSEO. This position, which would interface with stakeholders at the Legislature, state departments, county agencies, federal partners, industry, and other stakeholder groups to coordinate state clean transportation efforts with the overarching state energy policy, would also enable HSEO to support a working group such as this should that budget become adopted into law.

Thank you for the opportunity to testify.

DAVID Y. IGE
GOVERNOR



LATE

TESTIMONY BY:

JADE T. BUTAY
DIRECTOR

Deputy Directors
ROSS M. HIGASHI
EDUARDO P. MANGLALLAN
PATRICK H. MCCAIN
EDWIN H. SNIFFEN

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097**

March 30, 2022
3:15 P.M.

State Capitol, Conference Room 224/Teleconference

**S.C.R. 103/S.R. 91
REQUESTING THE HAWAII STATE ENERGY OFFICE TO CONVENE A WORKING
GROUP TO EXAMINE ISSUES AND BARRIERS TO THE INSTALLATION OF
ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS AND
MAKE RECOMMENDATIONS REGARDING CHANGES TO STATUTES, RULES,
AND OTHER GUIDANCE TO HELP CLARIFY AND FACILITATE THE
INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT
DWELLINGS**

Senate Committee(s) on Energy, Economic Development, and Tourism &
Transportation

The Department of Transportation (DOT) **supports** this resolution that requests the Hawaii State Energy Office to convene a working group to examine issues and barriers to the installation of electric vehicle (EV) charging systems in multi-unit dwellings.

The DOT is committed to meeting the state's clean energy goals and supports the wide-spread adoption of electric and zero-emission vehicles. The DOT's track record includes a significant purchase of light-duty EVs for its fleet in 2021 with plans to continue to convert its fleet over the next few years. Our current electrification contract for these vehicles enables the DOT to install charging stations and the charging service quickly and efficiently with no upfront equipment costs. There are photovoltaic panels installed at DOT field offices statewide designed to power EV charging stations in the near future. In addition, the DOT pursues strategies to support expansion of EV charging facilities across the state.

In addition to these efforts underway and the initiatives proposed in this measure, the DOT is also the lead for the State of Hawaii for the National EV Infrastructure formula program and the two new complementary discretionary funding programs, the Corridor Charging Grant Program and the Community Charging Grant Program. These programs aim to deploy publicly accessible EV charging infrastructure and hydrogen,

propane, and natural gas fueling infrastructure along designated Alternative Fuel Corridors and in communities. These are new program authorized under the federal Infrastructure Investment and Jobs Act signed into law in November 2021. The DOT is working in close partnership with the Hawaii State Energy Office and the counties to develop the state electrification plan required for use of formula funds and access to additional discretionary grant funds.

Thank you for the opportunity to provide testimony.

SCR-103

Submitted on: 3/24/2022 11:15:54 AM

Testimony for EET on 3/30/2022 3:15:00 PM

Submitted By	Organization	Testifier Position	Testify
Ted Bohlen	Testifying for Climate Protectors Hawai'i	Support	Written Testimony Only

Comments:

Aloha Chairs Wakai and Lee, Vice Chairs Misalucha and Inouye, and Members of the Committees on Energy, Economic Development, and Tourism and Transportation:

The Climate Protectors Hawai'i **strongly supports** SCR103 and SR91!

Those who dwell in multi-unit properties should have access to electric vehicle charging systems.

It can be challenging to provide electric vehicle charging infrastructure in multi-unit housing. This resolution encourages a good first step toward understanding those challenges and considering how to overcome them.

Please pass this resolution!

Mahalo!

Climate Protectors Hawai'i (by Ted Bohlen)



Email: communications@ulupono.com

SENATE COMMITTEES ON ENERGY, ECONOMIC DEVELOPMENT, & TOURISM AND
TRANSPORTATION

Wednesday, March 30, 2022 — 3:15 p.m.

Ulupono Initiative supports SCR 103, Requesting the Hawai'i State Energy Office to Convene a Working Group to Examine Issues and Barriers to the Installation of Electric Vehicle Charging Systems in Multi-Unit Dwellings and Make Recommendations Regarding Changes to Statutes, Rules, and Other Guidance to Help Clarify and Facilitate the Installation of Electric Vehicle Charging Systems in Multi-Unit Dwellings.

Dear Chair Wakai, Chair Lee, and Members of the Committees:

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; and better management of freshwater and waste.

Ulupono supports SCR 103. Ulupono supports clean, alternative fuel transportation as ground transportation makes up a significant portion of Hawai'i's reliance on imported oil. We support Hawai'i's reduction of fossil fuel use as we strive to meet the State's 100% renewable energy goal and its carbon net neutral goal by 2045.

We appreciate that this resolution seeks to convene a working group to examine multi-unit dwelling EV charging access. We believe that this group can be helpful to identify the various barriers that may exist and to offer a diverse set of solutions to support community EV adoption for multi-unit dwellings.

We ask this committee to consider adding another member from the EVCS industry and including the utility in the working group. Additionally, it may be beneficial for the working group also to assess alternatives to retrofitting buildings, while still ensuring residents have convenient access to EV charging.

Thank you for this opportunity to testify.

Respectfully,

Micah Munekata
Director of Government Affairs

Investing in a Sustainable Hawai'i



**Hawaiian
Electric**

**TESTIMONY BEFORE THE SENATE
COMMITTEE ON ENERGY, ECONOMIC DEVELOPMENT, AND TOURISM
AND
COMMITTEE ON TRANSPORTATION**

SCR 103 / SR 91

REQUESTING THE HAWAII STATE ENERGY OFFICE TO CONVENE A WORKING GROUP TO EXAMINE ISSUES AND BARRIERS TO THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS AND MAKE RECOMMENDATIONS REGARDING CHANGES TO STATUTES, RULES, AND OTHER GUIDANCE TO HELP CLARIFY AND FACILITATE THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS.

March 30, 2022
3:15 PM, Agenda Item #1
State Capitol, VIDEO CONFERENCE

June Chee
Program Manager, Electrification of Transportation
Hawaiian Electric Company

Aloha Chair Wakai, Chair Lee, Vice Chair Misalucha, Vice Chair Inouye, and Committee Members,

My name is June Chee, and I am testifying on behalf of Hawaiian Electric Company providing testimony **in support with comments for SCR 103/SR91** as it supports the installation of additional and reliable electric vehicle (EV) infrastructure for those living in multi-unit dwellings. As one of the major electric utility and public EV charging providers in the state, the Company asks to be included as a member of the working group.

Hawaiian Electric is diligently working to support the electrification of transportation and through the Electric Vehicle Critical Backbone Study forecasted the 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. The Charge Ready Hawaii pilot will provide make ready infrastructure for EV charging systems and focuses on publicly available commercial properties, fleet owners, and multi-unit dwellings. The 3-year pilot will provide valuable insight into the make ready infrastructure process and integration of EV charging stations. Additionally, lessons learned from the pilot will help to inform the proposed working group by identifying barriers, providing technical solutions, and identifying use cases for multi-unit dwelling customers. Hawaiian Electric is supportive of efforts that encourage the planning for and installation of EV infrastructure in these key locations as it will help to serve EV charging needs of current and future EV drivers.

Thank you for this opportunity to testify.



SanHi

GOVERNMENT STRATEGIES

A LIMITED LIABILITY LAW PARTNERSHIP

DATE: March 28, 2022

TO: Senator Glenn Wakai
Chair, Committee on Energy, Economic Development and Tourism

Senator Chris Lee
Chair, Committee on Transportation

FROM: Tiffany Yajima

RE: **SCR 103 / SR 91 – REQUESTING THE HAWAII STATE ENERGY OFFICE TO CONVENE A WORKING GROUP TO EXAMINE ISSUES AND BARRIERS TO THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS AND MAKE RECOMMENDATIONS REGARDING CHANGES TO STATUTES, RULES, AND OTHER GUIDANCE TO HELP CLARIFY AND FACILITATE THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS.**

Hearing Date: Wednesday, March 30, 2022 at 3:15 p.m.
Conference Room: 224

Dear Chair Wakai, Chair Lee and Members of the Joint Committees:

On behalf of the Alliance for Automotive Innovation (“Auto Innovators”) we submit this testimony supporting the intent of SCR 103 / SR 91, which requests the State Energy Office to convene a working group on electric vehicle charging systems in multi-unit dwellings and to make recommendations to facilitate the installation of EV charging systems in these housing communities.

The Alliance for Automotive Innovation is the singular, authoritative and respected voice of the automotive industry. Focused on creating a safe and transformative path for sustainable industry growth, the Alliance for Automotive Innovation represents the manufacturers producing nearly 99 percent of cars and light trucks sold in the U.S. Members include motor vehicle manufacturers, original equipment suppliers, technology, and other automotive-related companies and trade associations.

Automobile manufacturers are already transitioning toward an electric future and a new generation of ZEVs is coming with 130 models expected for sale in the U.S. market by 2026, up from over 50 models today. While there is a growing interest in electric vehicles, Hawaii’s charging infrastructure is lacking, and presents a key barrier to broader EV adoption. Many Hawaii residents live in apartments, condominiums and multi-unit dwellings that cannot support electric vehicle charging at home, and without sufficient at-home charging infrastructure drivers are hesitant to invest in electric vehicles that cannot be easily refueled. This measure supports

the build-out of EV charging infrastructure in new residential properties to prepare communities for the transition to electric vehicles.

Auto Innovators participated as a resource panelist several years ago when the state convened a similar working group to study this issue, and remain ready and willing to support the State Energy Office and this working group as a resource to provide input on technical specifications and other recommendations for EV charging infrastructure.

Thank you for the opportunity to submit this testimony.



Heather Cutter, President
Dave Rolf, Executive Director

Written Testimony by
David H. Rolf, Executive Director, Hawaii Automobile Dealers Association

for the
Committee on Energy, Economic Development and Tourism and the Committee on Transportation
Wednesday, March 30, 2022
Time 3:15 p.m.
State Capitol, via Videoconference
providing testimony **in support of SCR 103 / SR 91**

REQUESTING THE HAWAII STATE ENERGY OFFICE TO CONVENE A WORKING GROUP TO EXAMINE ISSUES AND BARRIERS TO THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS AND MAKE RECOMMENDATIONS REGARDING CHANGES TO STATUTES, RULES, AND OTHER GUIDANCE TO HELP CLARIFY AND FACILITATE THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS

Chairs Wakai and Lee, Vice Chairs Masalucha and Inouye, and members of the committees:

HADA strongly supports Hawaii's transition to electric vehicles.

In the past decade, Hawaii's new car dealers have demonstrated this strong support by spending millions of dollars in the transition to electric vehicles. Hawaii new car dealers **are strongly in support of SCR 103 / SR 91.**

This is a bill that proposes to convene a working group to examine the issues and barriers to the installation of electric vehicle charging systems in multi-unit dwellings and make recommendations regarding changes to statutes, rules and other guidance to help clarify and facilitate the installation of electric vehicle charging systems in multi-unit dwellings.

Renewables are critical to meeting climate goals and must expand rapidly.

What is needed more than anything today is to have all stakeholders working together on a path to EV adoption. HADA's dealers have joined with the National Automobile Dealers Association's position in being "all-in" on electric vehicles.

Dealers have acquired a great storehouse of data on the automotive industry and are particularly aware of customers' needs and interests—including their need for home-based electric vehicle charging stations. Dealers can provide helpful input to the working group that is proposed to be established by this resolution.

Our association is in hopes that our members will be asked provide industry input for this worthy effort to address the issues and barriers to more rapid adoption of electric vehicles in multi-unit dwellings.

HADA's dealers continue to work with all in this transition and thank you for the opportunity to testify in Support of SCR 103 / SR 91.

TESTIMONY REGARDING SENATE CONCURRENT RESOLUTION 103**Senate Committee on Energy, Economic Development, and Tourism
Senate Committee on Transportation****Wednesday, March 30, 2022 at 3:15 PM**

Aloha Chair Wakai, Chair Lee, Vice Chair Misalucha, Vice Chair Inouye, and Members of the Committees:

Thank you for the opportunity to provide testimony regarding SCR 103, which would direct convening of a working group to examine issues and barriers to the installation of electric vehicle (EV) charging systems in multi-family dwellings.

Tesla supports the intent of SCR 103, as access to EV charging in multi-family dwellings is key to transportation electrification and meeting Hawaii's climate goals. Compared to single-family homes, the cost and complexity to retrofit an existing building with EV charging can be most significant for those in multi-family dwellings who must navigate a myriad of obstacles from coordinating with the building owner or association, overseeing utility and electrical site work, gaining approval to construct in shared spaces, and more costly installations due to parking structure design.

Tesla respectfully requests inclusion as a working group member given Tesla's unique perspective as both a leading EV automaker and EV charging provider. Importantly, Tesla vehicles make up a majority of the EVs on the road today in Hawaii. Tesla also has global experience in EV driver and EV charging habits in multi-family dwellings across Asia, Europe, and North America. We look forward to providing technical expertise on barriers to access and recommended best practices for EV charging in multi-family dwellings.

Thank you for the opportunity to submit this testimony.

LATE

SCR-103

Submitted on: 3/30/2022 10:51:59 AM
Testimony for EET on 3/30/2022 3:15:00 PM

Submitted By	Organization	Testifier Position	Testify
Noel Morin	Testifying for Hawaii EV Association	Support	Written Testimony Only

Comments:

Dear Chairs Wakai and Lee, Vice-Chairs Misalucha and Inouye, and committee members,

Hawaii Electric Vehicle Association (Hawaii EV) supports SCR 103.

We support all efforts designed to accelerate the decarbonization of our ground transportation, a significant contributor to our greenhouse gas emissions. A working group represented by all relevant sectors will help ensure that our efforts are aggressive and sustainable.

We're especially supportive of efforts to enable broader and more equitable adoption of clean transportation. Given the number of multi-unit housing across our state and the technical challenges that make it challenging for associated households to adopt electric cars, we must develop charging solutions that will make EV ownership feasible for all.

We are honored to be able to participate in this working group.

We recommend that the working group also include representatives from county governments and our utilities.

Thank you for this opportunity to testify.

Sincerely,



Noel Morin

President

[Hawaii EV Association](#)

SCR-103

Submitted on: 3/24/2022 10:23:35 PM

Testimony for EET on 3/30/2022 3:15:00 PM

Submitted By	Organization	Testifier Position	Testify
Beth Anderson	Individual	Support	Written Testimony Only

Comments:

Creating electrical car charging infrastructure, especially in multi-unit dwellings, is a major hurdle that needs solutions in order to provide for transition to electrical vehicles. Therefore I support this Resolution because it provides finding solutions to this problem and thereby facilitates adoption of clean energy solutions. Without this infrastructure, the options for electrical vehicle ownership is impossible to limited. In order to reach a zero emission clean energy economy that will help put an end to the climate change emergency, this Resolution which addresses the dilemma of having electric charging units installed and available to the population at their residences must be passed.

Thank you for considering my testimony.

Beth Anderson

SCR-103

Submitted on: 3/25/2022 11:26:57 AM

Testimony for EET on 3/30/2022 3:15:00 PM

Submitted By	Organization	Testifier Position	Testify
Dennis Perez	Individual	Oppose	Written Testimony Only

Comments:

Please note our strong opposition to this measure on three grounds.

Electronic vehicles in Hawaii contribute substantial CO2 emissions and greenhouse gasses and worsen global warming. Hawaiian electric company power plants burn diesel fuel for electricity generation and a significant increase in demand will increase diesel emissions which is far less environmentally friendly than fuel efficient Hybrid gasoline cars which are subject to strict EPA exhaust tolerances.

HECO does not have the infrastructure in place to supply a significant increase in power demands to Hawaii Kai and likely other parts of the island. The demand placed cannot be met unless additional electric plants and power lines are in place first. As above, diesel plants will only increase global warming.

Our community of older adults cannot afford the significant cost it would incur to retrofit our building which would require new transformers, power lines and charging stations. It is unfair discrimination to put this burden on older adults in condos and exempt single family homeowners. This would cost each owner at least \$20,000. This is unacceptable.

SCR-103

Submitted on: 3/25/2022 2:12:39 PM

Testimony for EET on 3/30/2022 3:15:00 PM

Submitted By	Organization	Testifier Position	Testify
Kris Keahiolalo	Individual	Oppose	Written Testimony Only

Comments:

Please recognize my opposition to this measure.

Fully electric cars, although growing in popularity, are still a very small portion of the cars on the road. Most fully electric cars are owned by people middle class and above, those that can afford to buy newer cars and have the resources solve charging issues (live in single family homes or work in buildings with charging stations). By mandating charging stations be built in multi-unit dwellings, this is a funnelling of money from poorer people to subsidize richer people. It makes no sense for everyone in a condominium to pay for the charging station of the person driving a tesla.