



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

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Director, OPSD

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Director, Kaua'i DP
The Adjutant General
Manager, CZM

**Testimony of
Leah Laramee
Coordinator, Hawai'i Climate Change Mitigation and Adaptation Commission**

**Before the Senate Committees on
TRANSPORTATION AND CULTURE AND THE ARTS
&
COMMITTEE ON AGRICULTURE AND ENVIRONMENT**

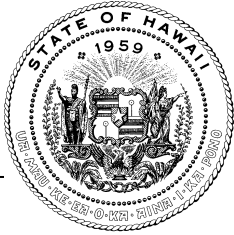
**In consideration of
SENATE BILL 1024
RELATING TO TRANSPORTATION**

Senate Bill 1024 establishes long-term goals for zero-emissions transportation in Hawai'i and abroad to reduce and eliminate transportation emissions. Establishes the ground transportation and interisland and transpacific transportation working groups. Requires annual reports to the Hawai'i Climate Change Mitigation and Adaptation Commission and the Legislature. **The Climate Change Mitigation and Adaptation Commission (Commission) supports this bill.**

The Hawai'i Climate Change Mitigation and Adaptation Commission consists of a multi-jurisdictional effort between 20 different departments, committees, and counties. Emissions from ground transportation account for over half of energy emissions as noted in the 2017 Greenhouse Gas Inventory. Reducing emissions from ground transportation is one of the major focuses of the Commission, and a transition to clean renewable fueled vehicles is a crucial strategy to achieve state goals. Such conversions include electrification of transportation, and the use of clean, renewable fuels, and a rebate program could be critical in promoting this transition to clean transportation. Goals and targets are useful tools to identify if actions are making the impact they are intended and to identify where more concentrated efforts may need to be enacted.

For Hawai'i to achieve its goal of a net-negative carbon economy as soon as practicable but no later than 2045 it is essential that everyone is afforded the opportunity to participate in the net-negative carbon economy from an equity, economic, and technical perspective.

Mahalo for the opportunity to testify in support of this measure.



HAWAII STATE ENERGY OFFICE STATE OF HAWAII

JOSH GREEN, M.D.
GOVERNOR

MARK B. GLICK
CHIEF ENERGY OFFICER

235 South Beretania Street, 5th Floor, Honolulu, Hawaii 96813
Mailing Address: P.O. Box 2359, Honolulu, Hawaii 96804

Telephone: (808) 587-3807
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Testimony of
MARK B. GLICK, Chief Energy Officer

LATE

before the
**SENATE COMMITTEES ON TRANSPORTATION AND CULTURE AND THE ARTS
AND
AGRICULTURE AND ENVIRONMENT**

Monday, February 13, 2023
1:20 PM
State Capitol, Conference Room 224 and Videoconference

In SUPPORT of
SB 1024

RELATING TO TRANSPORTATION.

Chairs Lee and Gabbard, Vice Chairs Inouye and Richards, and Members of the Committees, the Hawai'i State Energy Office (HSEO) supports SB 1024, which establishes a ground transportation working group and an interisland and transpacific transportation working group, and requires them, among other things, to develop metrics, benchmarks, plans, recommendations to achieve the goals of section 225P C(a), and requires annual reports to the Hawai'i Climate Change Mitigation and Adaptation Commission and the Legislature.

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 were at 8.98 million metric tons of carbon dioxide equivalents, accounting for 51 percent of total energy sector emissions. For Hawai'i to meet its statutory target "to sequester more greenhouse gases than emitted as soon as practicable but no later than 2045", further planning and implementation of clean transportation alternatives are essential.

Hawai'i is a national leader in the adoption of electric vehicles ranking second nationally in EV adoption per capita. HSEO has collaborated with the Hawai'i Department of Transportation (HDOT) on applications for the designation of alternative fuel corridors on the island of Hawai'i, Kaua'i, Lāna'i, Maui, Moloka'i, and O'ahu and preparing the National Electric Vehicle Infrastructure (NEVI) Hawai'i State Plan, both opening the door to federal funding opportunities. HSEO has collaborated with HDOT Highways to put in place a vehicles-as-a-service contract to support the transition of the State's fleet to zero emission vehicles (ZEVs). The HSEO was the lead for the State on signing onto the Multi-State Medium- and Heavy-Duty Zero Emission Vehicle MOU calling for 30% of new truck and bus sales to be zero-emission by 2030 and 100% by 2050. In support of that objective the HSEO collaborated with Hawai'i Department of Health – Clean Air Branch to implement a Diesel Replacement Rebate to support the adoption of ZEVs for medium- and heavy-duty vehicles.

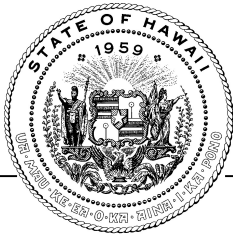
The HSEO has also focused on reducing the energy intensity of mobility. Working with the Department of Land and Natural Resources' State Climate Mitigation and Adaptation Commission the HSEO has funded a Vehicle Miles Travelled and Active Transportation Specialist through a grant from the United State Climate Alliance to focus on development and implementation of strategies to reduce vehicle miles travelled (VMT) through mode-shift, active transportation, and other associated means which was transitioned to general funds in the 2022 legislature.

The aviation sector accounts for a substantial portion of Hawai'i's GHG emissions. In 2017, aviation emissions from domestic and military flights totaled 4.1 MMT accounting for 17% of total statewide emissions (excluding sinks). Hawai'i is poised to take a leadership role in the decarbonization of aviation. Mokulele Airlines has partnered with REGENT (a Boston based company that develops and manufactures low-altitude electric seaglidors) and has expressed interest to start interisland flights using the world's first electric seaglider, Viceroy, as early as 2025. Hawaiian Airlines has entered an investment agreement with REGENT to develop a seaglider for short interisland flights with larger 100-passenger capacity. Anticipated entry into commercial service is 2028.

Decarbonization of the aviation sector still lags the ground transportation sector due to the lack of technological solutions and requires collaboration to develop strategies, tactics and actionable workplans to address interim solutions to long-haul zero-emissions transpacific transportation.

Collaboration and coordination are needed among a wide range of stakeholders to make meaningful progress in transitioning the transportation sector. The HSEO will continue to work with relevant agencies and stakeholders to support the goals of Chapter 225-P, SB1024 and take holistic actions to achieve the decarbonization of the transportation sector. HSEO defers to impacted agencies on administration of the working groups.

Thank you for the opportunity to testify.



**STATE OF HAWAI‘I
OFFICE OF PLANNING
& SUSTAINABLE DEVELOPMENT**

JOSH GREEN, M.D.
GOVERNOR

SCOTT J. GLENN
DIRECTOR

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Statement of
SCOTT GLENN, Director
before the
**SENATE COMMITTEES ON TRANSPORTATION AND CULTURE AND THE ARTS
AND AGRICULTURE AND ENVIRONMENT**

Monday, February 13, 2023, 1:20 PM
State Capitol, Conference Room 224

in consideration of
SB 1024
RELATING TO TRANSPORTATION.

Chairs Lee and Gabbard, Vice Chairs Inouye and Richards, and Members of the Senate Committees on Transportation and Culture and the Arts, and Agriculture and Environment:

The Office of Planning and Sustainable Development (OPSD) **supports** and offers the following comments on SB 1024, which establishes long-term goals for zero-emissions transportation in Hawai‘i and abroad to reduce and eliminate transportation emissions. Establishes the ground transportation and interisland and transpacific transportation working groups. Requires annual reports to the Hawai‘i Climate Change Mitigation and Adaptation Commission and the Legislature.

SB 1024 is generally in alignment with two recommendations of the State of Hawai‘i’s decennial climate and sustainability strategic action plan—the [Hawai‘i 2050 Sustainability Plan: Charting a Course for the Decade of Action \(2020-2030\)](#),¹ which recommends that the State should “implement expanded infrastructure for Zero Emission Vehicles (ZEVs), including energy storage and increasing the availability of electric charging and hydrogen fueling stations.” (Recommended Action #95, Page 101) and “adopt a plan for statewide adoption of Zero Emission Vehicles (ZEVs)” (Recommended Action #96, Page 105).

The OPSD supports the goals and responsibilities directed in the proposed “Ground Transportation Working Group,” and the “Interisland and Transpacific Transportation Working Group,” which tasks OPSD to serve as a working group member. OPSD supports the need for planning for the statewide transition of innovative transportation infrastructure and will work collaboratively with the Department of Transportation and Hawai‘i State Energy Office to develop plans to support the State’s electric charging capacity, as well as work with state and private partners to develop incentives to further promote the adoption of electric vehicles. The OPSD notes

¹ The Hawai‘i 2050 Sustainability Plan was published in 2021 by the Office of Planning & Sustainable Development, and officially serves as the State of Hawai‘i’s climate adaptation and sustainability strategic action plan, pursuant to Hawai‘i Revised Statutes §226-65 and the Hawai‘i State Planning Act. Available online: <https://hawaii2050.hawaii.gov>

SB 1024 RELATING TO TRANSPORTATION - COMMENTS

State Office of Planning and Sustainable Development

February 13, 2023

the working group focuses are primarily mitigation. In undertaking the responsibilities in the proposed working groups, the OPSD would recommend adaptation and resilience considerations be included. The OPSD defers to the appropriate agencies on resources needed for implementation of the working groups.

Thank you for the opportunity to testify on this measure.

SB-1024

Submitted on: 2/12/2023 8:38:17 AM

Testimony for TCA on 2/13/2023 1:20:00 PM

Submitted By	Organization	Testifier Position	Testify
Douglass S. Adams	Testifying for Research and Development, County of Hawaii	Support	Written Testimony Only

Comments:

Chairs Lee and Gabbard, Vice Chairs Inouye and Richards, and Members of the Committees on Transportation and Culture and the Arts and Agriculture and Environment:

Thank you for the opportunity to testify in SUPPORT of SB 1024, with suggested modifications. As the bill's findings note, transportation is a main component of statewide greenhouse gas emissions. Many statewide efforts to reduce these emissions are underway, to include the Department of Transportation's Electrification of Transportation master agreement. The County of Hawaii has engaged in and continues to support these efforts, as well as the intent and concept of this bill.

The County of Hawaii suggests modifications of the bill to explicitly include representatives from the counties on both the ground transportation working group and the interisland and transpacific transportation working group. The counties are committed to greenhouse gas emission reduction and their perspectives gained through efforts focused on sustainability and resiliency will prove of great benefit to the aforementioned working groups. The bill can be modified within the two working group membership sections to include the Mayors of the four Counties or their designees.

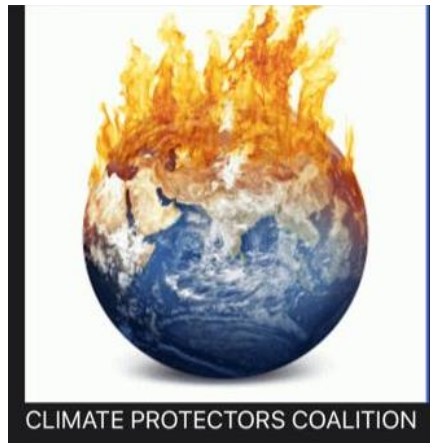
We thank you for your consideration of these modifications and encourage the Commttees to move SB 1024 as modified forward with a FAVORABLE recommendation for passage by the Senate.

very respectfully

Douglass S Adams

Director, Dept of Research & Development

County of Hawaii



To: The Honorable Chairs Chris Lee and Mike Gabbard, and the Honorable Vice Chairs Lorraine Inouye and Tim Richards, III, and Members of the Committees on Transportation, Culture, and the Arts and Agriculture and Environmental Protection

From: Climate Protectors Hawai'i (by Ted Bohlen)

Re: Hearing SB1024 **RELATING TO TRANSPORTATION**

Hearing: Monday February 13, 2023 1:21 p.m.

Aloha Chairs Lee and Gabbard, Vice Chairs Inouye and Richards, and Members of the Committees on Transportation, Culture, and the Arts and Agriculture and Environmental Protection:

The mission of the Climate Protectors Hawai'i is to educate and engage the local community in climate change action, to help Hawai'i show the world the way back to a safe and stable climate.

The Climate Protectors Hawai'i STRONGLY SUPPORTS SB1024.

Hawaii needs to reduce transportation costs to customers, reach our goal of becoming carbon negative as soon as practicable but no later than 2045, and mitigate the climate emergency. To do so, the State needs to reduce greenhouse gas emissions from transportation, the largest single source of emission in the

State. This bill would help the State achieve that end by establishing long-term goals for zero-emissions transportation in Hawai'i and abroad to reduce and eliminate transportation emissions.

The bill also would establish the ground transportation and interisland and transpacific transportation working groups, tasked with developing plans to achieve zero emissions for interisland transportation and to increase the sales of electric vehicles in the State.

The Legislature has found we are in a climate emergency. We need to act now to mitigate the emergency! This bill represents a good first step. Please pass this bill!

Mahalo for the opportunity to testify!

Climate Protectors Hawai'i (by Ted Bohlen)



Environmental Caucus of The Democratic Party of Hawai'i

February 11, 2023

TO: Senator Chris Lee, Chair,
Senator Lorraine R. Inouye, Vice Chair, and Members of the
Committee on Transportation and Culture and the Arts

TO: Senator Mike Gabbard, Chair,
Senator Herbert M. "Tim" Richards, III, Vice Chair, and Members of the
Committee Agriculture and Environment

Re: SB 1006 (Relating to Coastal Roads) and
SB 1024 (Relating to Transportation)

Hearing: Tuesday, February 14, 2023, at 1:20 pm, in Room 224 and via videoconference

POSITION: Strong Support

The Environmental Caucus has an enrolled membership of more than 7,000 politically active Hawaii voters. We strongly support both of these bills.

SB 1024 would establish long-term goals for zero-emissions transportation in Hawai'i and abroad to reduce and eliminate transportation emissions. The bill would amend HRS Chapter 225P, the Hawaii Climate Change Mitigation and Adaptation Initiative by creating two new working groups and a separate initiative to be handled by existing agencies. The bill would require each working group to submit annual reports to the Hawai'i Climate Change Mitigation and Adaptation Commission and to the Legislature.

As this Chapter is already written, HRS §225P-1 states that the purpose of HRS Chapter 225P is to address the effects of climate change to protect the State's economy, environment, health, and way of life by establishing a framework for the State to (1) adapt to the inevitable impacts of global warming and climate change, including rising sea levels, temperatures, and other risk factors; and (2) mitigate its greenhouse gas emissions by sequestering more atmospheric carbon and greenhouse gases than the State produces.

The Chapter already creates a Commission and a Task Force. HRS §225P-3 has created a Hawaii climate change mitigation and adaptation commission; the key duties of the Commission are to: identify existing climate change mitigation and adaptation efforts at the federal, state, and local levels and make recommendations for how to meet or exceed Hawaii's state mitigation goals and shall adopt a liberal approach in preparation, so as to minimize future risk to the people and environment of Hawaii; to assess the capacity and availability of existing



resources and identify new sources of revenue necessary to address climate change mitigation and adaptation and shall advise the governor, legislature, and counties on the economic and budgetary ramifications of climate change impacts, mitigation, and adaptation; and “as a first step, focus on and develop sea level rise vulnerability and adaptation reports.” (Emphasis added.)

Separately, HRS §225P-4 has already created a Greenhouse gas sequestration task force. The goal of the State, working through the Task Force, is to reduce emissions that cause climate change and build energy efficiencies across all sectors, including decarbonizing the transportation sector.

SB 1024 would amend HRS Chapter 225P by adding additional sections that would establish two new working groups on top of these two existing groups. The Ground Transportation Working Group would work to reduce greenhouse gas emissions and achieve zero emissions across all transportation modes within the State, including across all sectors of: (1) Ground transportation as soon as practicably possible; (2) Interisland transportation as soon as practicably possible; and (3) International transpacific transportation as soon as practicably possible. See proposed HRS §225P-A in the bill.

The second group would be the Interisland and Transpacific Transportation Working Group. This group would, among other goals: (3) Coordinate with other groups, agencies, and programs in the State and outside of the State that are developing interim solutions to long-haul zero-emissions transpacific transportation, including lower-carbon sustainable aviation fuels; (4) Coordinate with stakeholders to identify twenty-five possible transportation hubs throughout the State supporting innovative point-to-point or island-to-island transportation options, including electric vertical takeoff and landing aircraft, electric sea gliders, and other similar forms of innovative technology; and (5) Develop recommendations to allow for a coordinated package of environmental review, infrastructure planning, and other due diligence for fifteen sites throughout the State that will enable innovative transportation operators to more easily deploy innovative public transportation options. See proposed HRS §225P-B in the bill.

Separately, but through actions of the Department of Transportation, the State Office of Planning and Sustainable Development, and the State Energy Office, rather than the creation of yet another task force or commission, SB 1024 would create an “innovative transportation infrastructure.” Together, these agencies would (1) Develop plans to ensure that the State's electric charging capacity is sufficient to support the growing use of electric vehicles in the State by increasing the State's electric charging capacity at a rate that exceeds the rate by which electric vehicle sales replace internal combustion vehicle sales; (2) Allow continued access to high-occupancy vehicle lanes by electric vehicles until electric vehicles constitute at least forty per cent of all new vehicle sales; and (3) Develop incentives to further promote the adoption of electric vehicles. See proposed HRS §225P-D in the bill.



Obviously, SB 1024 is a very ambitious bill!

Concerning long-term zero transportation emissions goals, we are already behind where we might have been if we had started thinking this way as soon as the Toyota Prius came on the market or at least once electric charging stations for electric cars became available. As a group of islands where long-distance travel on land is rarely the regular concern of most residents, we could have been the most proactive State when it came to putting more people into electric cars.

However, now we have many more types of electric cars and many more public charging stations and many bills which, if passed, will encourage new construction of parking stalls with charging stations. So let's look at what we can do to help everyday working people to trade up to an electric car.

SB 1024 fills in some of the critical needs the State has to deal with in adapting to climate change. For these reasons, we strongly support this bill. Thank you for the opportunity to testify on the bill.

Martha E. Randolph and Alan B. Burdick,
State Central Committee Representatives,
for the Environmental Caucus

merandhi@gmail.com 808-284-0264

burdick808@gmail.com 808-927-1500



SanHi

GOVERNMENT STRATEGIES
A LIMITED LIABILITY LAW PARTNERSHIP

DATE: February 12, 2023

TO: Senator Chris Lee
Chair, Senate Committee on Transportation and Culture and the Arts

Senator Mike Gabbard
Chair, Senate Committee on Agriculture and Environment

FROM: Tiffany Yajima

RE: **S.B. 1024 – Relating to Transportation**
Hearing Date: Monday, February 13, 2023 at 1:20 p.m.
Conference Room: 224

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

On behalf of the Alliance for Automotive Innovation (“Auto Innovators”) we submit this testimony with comments in **support** of S.B. 1024.

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 transitioning toward an electric future and by 2025 the auto industry will have invested more than \$330 billion to reach the goal of an electrified future. A new generation of ZEVs is coming with 130 models for sale in the U.S. market by 2026, up from over 70 models today. To make the transition to a zero-emission transportation future, automakers support federal and state policies such as investments in charging infrastructure and consumer incentives for EV purchases that grow consumer demand for electric vehicles.

As the state seeks to establish long-term goals to reduce carbon emissions in the transportation sector, Auto Innovators look forward to the opportunity to work collaboratively with government agencies and stakeholders to develop reasonable plans and recommendations to achieve these goals.

Thank you for the opportunity to submit this testimony.



SENATE COMMITTEE ON TRANSPORTATION AND CULTURE AND THE ARTS

Senator Chris Lee, Chair
Senator Lorraine Inouye, Vice Chair

SENATE COMMITTEE ON AGRICULTURE AND ENVIRONMENT

Senator Mike Gabbard, Chair
Senator Tim Richards, Vice Chair

TESTIMONY IN SUPPORT

Senate Bill 1024, Relating to Transportation
Monday, February 13, 2023, 1:20 p.m.
Conference Room 224

Aloha Chairs Lee and Gabbard, Vice Chairs Inouye and Richards, and Members of the Committees:

Thank you for the opportunity to provide testimony in support of SB1024, which among other things establishes long-term goals for zero emissions transportation in Hawai'i and abroad to reduce and eliminate transportation emissions and establishes the interisland and transpacific transportation working groups with annual reports required to the Hawai'i Climate Change Mitigation and Adaptation Commission and the legislature.

Hawaiian Airlines supports this measure, and our company is committed to being a part of the solution in reducing our state's carbon emissions. As you know, Hawaiian Airlines is Hawai'i's airline. We employ thousands of local residents who are raising their children and grandchildren in these islands, and we want their families to be able to thrive in a sustainable Hawai'i.

Hawaiian Airlines is our state's leader in air transportation and has significant experience in the important issues this bill seeks to address. We are also the lead carrier in the state of Hawai'i for the industry trade organization, Airlines for America, whose members are in full support of Hawai'i's zero emissions goals. Based on our desire to be proactive and contributory, we want to offer a representative from our company to be included as a member of the working group. We believe our expertise and vested interest in Hawai'i would bring value to its critical work.

Thank you for the opportunity to provide testimony in support and we ask you to please pass this important legislation.

Big Island Electric Vehicle Association

hawaiidriveelectric@gmail.com

bigislandev.org



February 11, 2023

SUPPORT for SB1024 - RELATING TO TRANSPORTATION

Dear Chairs Lee and Gabbard, Vice Chairs Inouye and Richards. and Committee members,

Big Island EV Association supports SB1024, which “Establishes long-term goals for zero-emissions transportation in Hawai‘i and abroad to reduce and eliminate transportation emissions. Establishes the ground transportation and interisland and transpacific transportation working groups.”

Hawaii is making progress in the decarbonization of its ground transportation sector. There are now over 22,000 electric vehicles (EVs) in the State, and YoY growth is impressive. More must be done to accelerate this progress. **We must accelerate EV adoption.** EVs still represent 2% of passenger vehicles, and we consume over 30 million gallons of gasoline each month. This translates into a massive carbon footprint and highlights our dependence on energy imports and the security risks that this presents.

Of course, **we must also focus on expanding the electrification of medium and heavy-duty vehicles.** Solutions exist for these forms today – excavators, refuse trucks, tractor-trailers, and other large vehicles are now available in zero-emission models. These large vehicles require that a more robust charging infrastructure be built out.

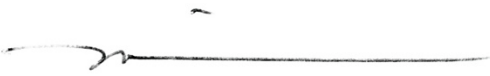
Hawaii can and **must decarbonize inter-island transportation.** Short-haul electric planes and barges already exist, and continuous innovations in alternative fuels point us in the direction of now/low emission inter-island and trans-Pacific transport. Hawaii’s abundant renewable energy resources offer the opportunity to produce clean transportation fuels and low-cost electricity at the scale required to facilitate the decarbonization of aviation and maritime transport in our region.

SB1024 calls for action in these areas. It will allow for more intense systems focus on these opportunities, with working groups focused on ground transportation, inter-island, and trans-Pacific transportation, and the systems and infrastructure required to support future clean transportation use cases. It will also accelerate the progress that we’re making with electric passenger vehicles.

Please support this measure.

Thank you for this opportunity.

Sincerely,


Noel Morin – President
Big Island EV Association

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



DATE: February 13, 2023
TIME: 1:20 PM
PLACE: VIA VIDEOCONFERENCE and Conference Room 224
BILL: SB 1024, Relating to Transportation

Aloha Chair Lee, Gabbard, Vice Chair Inouye, Vice Chair and members of the committees!

On behalf of the Hawai'i Automobile Dealers Association (HADA), we are writing to respectfully **comment** on SB 1024, relating to transportation. This bill establishes long-term goals for zero-emissions transportation in Hawaii and abroad to reduce and eliminate transportation emissions and it establishes the ground transportation and interisland and transpacific transportation working groups.

HADA supports working collaboratively with policy leaders to ensure that the state's clean energy goals are met. In a spirit of a commitment to environmental stewardship, we support data-driven emissions regulations. We want to ensure any task force established by this legislation is provided with timely, accurate, and unbiased data so informed and practical decisions can be made during the ongoing evolution of ground transportation in Hawaii.

HADA seeks to engage positively on issues of importance relevant to motor vehicles, our state's clean energy future, and safety. We thank you for the opportunity to testify.

The Hawai'i Automobile Dealers Association is the voice of more than 60 new car dealerships across the islands, accounting for over 4,000 direct jobs, \$6 billion total sales and more than \$250 million in general excise taxes paid.



Email: communications@ulupono.com

SENATE COMMITTEES ON TRANSPORTATION & CULTURE & THE ARTS AND
AGRICULTURE & ENVIRONMENT
Monday, February 13, 2023 — 1:20 p.m.

Ulupono Initiative supports SB 1024, Relating to Transportation.

Dear Chair Lee, Chair Gabbard, 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 choices, and better management of freshwater resources.

Ulupono supports SB 1024, which establishes long-term goals for zero-emissions transportation in Hawai'i and abroad to reduce and eliminate transportation emissions; establishes the ground transportation and interisland and transpacific transportation working groups; and, requires annual reports to the Hawai'i Climate Change Mitigation and Adaptation Commission and the Legislature.

Ulupono supports the State's efforts to increase clean transportation and reduce greenhouse gas emissions. Establishing dedicated working groups to identify pathways to reach zero-emissions transportation will be an important step toward meeting our climate change goals as transportation accounts for roughly 65% of fossil fuel use in the state.¹

We appreciate the commitments made by the State over the last year to bolster Hawai'i's electric vehicle (EV) market; however, further policy support, such as this measure, will be needed to assist local EV adoption and help meeting our climate change goals. Several reports on electrification of transportation and meeting our energy goals have highlighted how the State can lean into these strategies and policies to maximize our clean transportation investments more effectively and quickly.² It will also be important that the working groups identify steps to ensure that those who can't as easily access the benefits of electrification without help are able to do so, such as many low-income community members and small businesses.

We also encourage the working groups to explicitly recognize that reducing vehicle miles

¹ https://energy.hawaii.gov/wp-content/uploads/2020/11/HSEO_FactsAndFigures-2020.pdf

² <https://www.transcendingoil.com/> and <https://mauinow.com/2021/07/08/more-evs-could-reduce-co2-emissions-by-93-in-less-than-30-years/>

Investing in a Sustainable Hawai'i



traveled (VMT) is critical to achieving zero emissions within ground transportation. As such, we recommend adding language to explicitly recognize VMT and demand management as well as accounting for community impacts of recommended strategies, such as economic impacts to lower-income community members and accessibility to daily needs.

Thank you for this opportunity to testify on this measure, which represents an opportunity to provide cleaner, more affordable and more accessible transportation choices for future generations in Hawai'i.

Respectfully,

Micah Munekata
Director of Government Affairs



**SENATE COMMITTEE ON TRANSPORTATION AND CULTURE AND ARTS
SENATE COMMITTEE ON AGRICULTURE AND ENVIRONMENT**

February 13, 2023, 1:20 P.M.
Conference Room 224

TESTIMONY IN SUPPORT OF SB 1024

Aloha Chair Lee, Chair Gabbard, Vice Chair Inouye, Vice Chair Richards, and members of the Committees:

Blue Planet Foundation **supports SB 1024**, which establishes long-term goals for zero-emissions transportation in Hawai'i and requires the department of transportation to take additional steps to ensure that they are planning for and participating in the decarbonization of Hawai'i's economy and our collective response to climate change.

Blue Planet Foundation is a Hawai'i-based nonprofit organization. We work to clear the path for local, clean, renewable power. Through our advocacy for renewable energy, energy efficiency, and clean transportation, we seek to make our communities stronger, our energy more secure, our environment healthier, and our economy more robust.

Hawai'i is in the midst of a transition to a 100% clean energy future, and the state's ground, aviation, and marine transportation sectors must follow suit. While Hawai'i has made substantial progress on policies, programs, and actions to reduce burning fossil fuels in the electricity sector, **we are falling short on decarbonizing our transportation sector**. Without deliberate and forward-thinking leadership from State government, we risk accelerating this trend of increased transportation emissions. In addition, the quicker we turn our transportation fleets over to zero-emission options, the faster we can turn the spigot off that leaks billions out of our economy annually to buy imported fossil fuels. Mobility should be powered by homegrown power, not imported carbon.

Thank you for the opportunity to provide testimony.

info@blueplanetfoundation.org

126 Queen Street Suite 204 • Honolulu, Hawai'i 96813 • 808-954-6161 • blueplanetfoundation.org

SB-1024

Submitted on: 2/13/2023 7:21:11 AM

Testimony for TCA on 2/13/2023 1:20:00 PM

Submitted By	Organization	Testifier Position	Testify
Steve Parsons	Testifying for Kauai Climate Action Coalition	Support	Written Testimony Only

Comments:

Aloha TRUSTED Hawaii Lawmakers!

Many environmental Groups strongly support this. Kauai Climate Action Coalition asks you to be BOLD and support this and any other bills that can help us get off fossil Fuels and STOP all the climate pollution that is literally KILLING us and the species we share this planet with and dependent on for food and pressure! PLEASE ACT and pass this one!

Mahalo,

Steve Parsons, Kauai Climate Action Coalition, Kauai EV, Surfrider Foundation Member, Tesla Owners Club Kauai Director

Hanapepe Kauai 808-651-3232c Sm. Biz. Owner KW Big Island Keller Williams Realty
m Hawaii Broker Lic. #RB-22077

SB-1024

Submitted on: 2/12/2023 10:31:45 AM

Testimony for TCA on 2/13/2023 1:20:00 PM

Submitted By	Organization	Testifier Position	Testify
Donna Thompson	Individual	Oppose	Written Testimony Only

Comments:

Aloha,

I am opposed this transprtion bill because it emphasizes electric cars and charging stations which have not been shown to be environmentally sound. Rare earth minerals such as colbalt and lithium are being depleted at the cost of desicrating land and people including children are being used as slaves to mine these minerals. There are hazards to charging these vehicles to include fires that are difficult to extinguish and the bill should thoroughly address what type of energy is going to be used at the charging stations since many do use fossil fuel.

I would be in favor of other energy technologies that don't require the oversight of the Hawaii Climate Change Mitigation and Adaptation Commission which is an extension of the United Nations (a very corrupt organization). Below are just a few options, there are many more than have been surpressed by the fossil fuel industry and governments that are starting to emerge and I suggest developing a committee that encourages innovation instead of oversight and regulation:

1. Clean hydrogen gas produced by excess solar energy (already on the Big Island)
2. Gas fuel for an internal combustion engine comprising a mixture of gases having a proportion of hydrogen to oxygen of approximately 2:1 and a regulated density of the hydrogen component of the mixture such that the burn rate of the mixture approximates that of a fossil fuel and a system for maintaining the foregoing gas fuel mixture and characteristics in an internal combustion engine. <https://patents.justia.com/inventor/stanley-meyer>

The above technology are just two examples, but it allows existing vehicles to be retrofitted with kits which is economical, have a much longer useable life, and vastly reduces land fill.

Hawaii is unique and can be a leader in renewable energy, but the current proposal is lacking a great deal of options and overshadowed by the United Nations Agenda which has a goal to implement carbon credits at the cost of depleted rare earth minerals and actually make a more toxic situation once electric car batteries are no longer useable, where will they be stored?

Hawaii should broaden the scope of other available technologies and minimize government overreach.

Mahalo for your service,

Donna Thompson

SB-1024

Submitted on: 2/12/2023 6:53:33 AM

Testimony for TCA on 2/13/2023 1:20:00 PM

Submitted By	Organization	Testifier Position	Testify
Richard Todd Rentz	Individual	Oppose	Written Testimony Only

Comments:

Please provide peer reviewed studies regarding this climate change agenda that will support this bill.

SB-1024

Submitted on: 2/11/2023 7:44:10 PM

Testimony for TCA on 2/13/2023 1:20:00 PM

Submitted By	Organization	Testifier Position	Testify
Lorn	Individual	Support	Written Testimony Only

Comments:

This bill is in alignment with the State plans for electrification of our fleet. Mahalo for the consideration....

Lorn Douglas

Lower Puna

SB-1024

Submitted on: 2/10/2023 4:19:53 PM

Testimony for TCA on 2/13/2023 1:20:00 PM

Submitted By	Organization	Testifier Position	Testify
Caroline Azelski	Individual	Support	Written Testimony Only

Comments:

Support. Thank you.

SB-1024

Submitted on: 2/10/2023 7:12:36 PM

Testimony for TCA on 2/13/2023 1:20:00 PM

Submitted By	Organization	Testifier Position	Testify
Andrew Crossland	Individual	Oppose	Written Testimony Only

Comments:

I oppose this Bill.

SB-1024

Submitted on: 2/12/2023 10:33:49 AM

Testimony for TCA on 2/13/2023 1:20:00 PM

Submitted By	Organization	Testifier Position	Testify
Virginia Tincher	Individual	Support	Written Testimony Only

Comments:

Dear Members of the Committee on Agriculture and Environment (AEN) and Transportation, Culture and the Arts,

SB1024 will allow for increased focus on infrastructure and incentives to increase EV adoption and develop strategies and objectives to address aviation and marine transport.

As an EV owner and supporter I urge you to pass this bill so we can continue moving aggressively forward with EV adoption and much needed infrastructure.

SB-1024

Submitted on: 2/12/2023 12:52:53 PM

Testimony for TCA on 2/13/2023 1:20:00 PM

Submitted By	Organization	Testifier Position	Testify
Diane Ware	Individual	Support	Written Testimony Only

Comments:

This bill is a must for the climate and humankind. Disasters are costing us lives and big \$\$\$ no action is suicidal indifference.

SENATE COMMITTEE ON TRANSPORTATION AND CULTURE AND THE ARTS
SENATE COMMITTEE ON AGRICULTURE AND ENVIRONMENT
Feb. 13, 2023 at 1:20 pm

SUPPORTING SB 1024

My name is John Kawamoto, and I support SB 1024 because it will advance Hawaii more quickly toward a 100% clean, renewable energy future. Most of the greenhouse gas emissions come from the transportation sector, and this bill creates a mechanism to reduce emissions from its various components.

The Legislature enacted a law establishing the goal of net-negative emissions by 2045, which has been codified as HRS 225P-5(a). This bill will create objectives, benchmarks, and the organizational infrastructure that will move the transportation sector to achieve that goal.

Climate scientists say that we have less than 10 years to take the drastic action needed to avert a global climate catastrophe. This bill is one of many that are needed to enable Hawaii to do its part to maintain a livable planet for ourselves and future generations.

SB-1024

Submitted on: 2/12/2023 12:32:15 PM

Testimony for TCA on 2/13/2023 1:20:00 PM

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

Comments:

SB1024 will help establish the planning that is necessary to meet our carbon-reduction goals.

SB-1024

Submitted on: 2/12/2023 12:32:15 PM

Testimony for TCA on 2/13/2023 1:20:00 PM

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

Comments:

SB1024 will help establish the planning that is necessary to meet our carbon-reduction goals.

LATE

SB-1024

Submitted on: 2/12/2023 10:06:18 PM

Testimony for TCA on 2/13/2023 1:20:00 PM

Submitted By	Organization	Testifier Position	Testify
Ruth Robison	Individual	Support	Written Testimony Only

Comments:

I support SB1024 because it allows for increased focus on infrastructure and incentives to increase EV adoption and develop strategies and objectives to address aviation and marine transportation, which we need to meet the state's climate change goals. Thank you for the opportunity to testify.

SB-1024

Submitted on: 2/12/2023 4:28:20 PM

Testimony for TCA on 2/13/2023 1:20:00 PM

LATE

Submitted By	Organization	Testifier Position	Testify
Jerome Kellner	Individual	Support	Written Testimony Only

Comments:

I support SB1024 and urge Hawaii lawmakers to adopt it.

SB-1024

Submitted on: 2/13/2023 12:40:07 AM

Testimony for TCA on 2/13/2023 1:20:00 PM

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

Comments:

I strongly support SB1024.

LATE

SB-1024

Submitted on: 2/13/2023 9:03:17 AM

Testimony for TCA on 2/13/2023 1:20:00 PM

Submitted By	Organization	Testifier Position	Testify
Keith Neal	Individual	Support	Written Testimony Only

Comments:

SB1024

Support

I support increasing EV adoption and develop strategies and objectives to expand enabling infrastructure.

Keith Neal

Waimea