



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

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Director, OPSD

**Commissioners:**  
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Director, C+C DPP  
Director, Maui DP  
Director, Hawaii DP  
Director, Kauai DP  
The Adjutant General  
Manager, CZM

**Testimony of  
Leah Laramee  
Coordinator, Hawaii Climate Change Mitigation and Adaptation Commission**

**Before the Senate Committees on  
TRANSPORTATION  
AND  
ENERGY & ENVIRONMENTAL PROTECTION**

**Tuesday, March 21, 2023  
11:30 AM  
State Capitol, Via Videoconference, Conference Room 325**

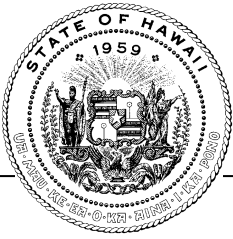
**In consideration of  
SENATE BILL 1024 SENATE DRAFT 2  
RELATING TO TRANSPORTATION**

Senate Bill 1024 SD2 establishes long-term goals for zero-emissions transportation in Hawaii and abroad to reduce and eliminate transportation emissions. Establishes the clean ground transportation working group and the interisland and transpacific clean transportation working group. Requires annual reports to the Hawaii climate change mitigation and adaptation commission and the legislature. **The Climate Change Mitigation and Adaptation Commission (Commission) supports this bill.**

The Hawaii 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 Hawaii 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.



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

**JOSH GREEN, M.D.**  
GOVERNOR

**SCOTT J. GLENN**  
DIRECTOR

235 South Beretania Street, 6th Floor, Honolulu, Hawai'i 96813  
Mailing Address: P.O. Box 2359, Honolulu, Hawai'i 96804

Telephone: (808) 587-2846  
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Statement of  
**SCOTT GLENN, Director**  
before the  
**HOUSE COMMITTEES ON TRANSPORTATION AND  
ENERGY AND ENVIRONMENTAL PROTECTION**

Tuesday, March 21, 2023, 11:30 AM  
State Capitol, Conference Room 325

in consideration of  
**SB 1024, SD 2**  
**RELATING TO TRANSPORTATION.**

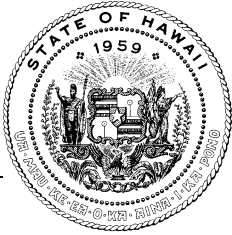
Chairs Todd and Lowen, Vice Chairs Kila and Cochran, and Members of the House Committees on Transportation and Energy and Environmental Protection:

The Office of Planning and Sustainable Development (OPSD) **supports** and offers the following comments on SB 1024 SD 2, which establishes long-term goals for zero-emissions transportation in Hawaii and abroad to reduce and eliminate transportation emissions; establishes the Clean Ground Transportation and Interisland and Transpacific Clean Transportation Working Groups; and requires annual reports to the Hawai'i Climate Change Mitigation and Adaptation Commission and the Legislature.

SB 1024, SD 2 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 \(2020-2030\)](#), 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 working groups, 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 as well as with state and private partners. The OPSD notes 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 considered as well. The OPSD defers to the appropriate agencies on resources needed for implementation of the working groups and their responsibilities.

Thank you for the opportunity to testify on 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  
Web: energy.hawaii.gov

Testimony of  
**MARK B. GLICK, Chief Energy Officer**

before the  
**HOUSE COMMITTEES ON TRANSPORTATION  
AND  
ENERGY & ENVIRONMENTAL PROTECTION**

Tuesday, March 21, 2023  
11:30 AM  
State Capitol, Conference Room 325 and Videoconference

In SUPPORT of  
**SB 1024, SD2**

**RELATING TO TRANSPORTATION.**

Chairs Todd and Lowen, Vice Chairs Kila and Cochran, and Members of the Committees, the Hawai'i State Energy Office (HSEO) supports SB 1024, SD2, which establishes long-term goals for zero-emissions transportation in Hawaii and abroad to reduce and eliminate transportation emissions and price volatility, establishes the Clean Ground Transportation and Interisland and Transpacific Clean Transportation Working Groups, and requires annual reports to the Hawaii 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 islands 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 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). 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, HSEO collaborated with the 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.

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, HSEO 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 interisland flights will require collaboration to develop strategies, tactics and actionable workplans to implement upcoming solutions. However, decarbonization of the aviation sector still lags the ground transportation sector due to the lack of technological solutions, especially long-haul flights for which more technological solutions are still being developed.

Collaboration and coordination regarding ground transportation and interisland flights are needed among a wide range of stakeholders to make meaningful progress in decarbonizing the transportation sector. HSEO will continue to work with relevant agencies and stakeholders to support the goals of Chapter 225-P, SB1024 SD2 and take holistic actions to achieve the decarbonization of the transportation sector.

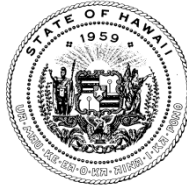
HSEO offers the following minor amendments to Section 2 of the bill to allow for flexibility in identifying optimal number of sites, while insuring the inclusion of each island:

**§225P-C Interisland and transpacific clean transportation working group; established**

(b) The working group shall:

(4) Coordinate with stakeholders to identify [~~twenty-five~~] no less than 10 possible transportation hubs throughout the State with at least one on each of the six major islands to support innovative point-to-point or island-to-island transportation options, including for options such as electric vertical takeoff and landing aircraft, electric sea gliders, and other similar forms of innovative zero-emissions technology.

Thank you for the opportunity to testify.



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



Tuesday, March 21, 2023  
11:30 AM  
State Capitol, Conference Room 325

**S.B. 1024, S.D. 2  
RELATING TO TRANSPORTATION**

House Committee on Transportation and Energy and Environmental Protection

The Department of Transportation (DOT) **supports** the intent of S.B. 1024, S.D. 2 and offers the following comments. The bill sets goals for zero-emissions transportation and establishes working groups for ground transportation, interisland transportation, and transpacific transportation. Additionally, it mandates annual reports to the Hawaii Climate Change Mitigation and Adaptation Commission and the Legislature.

The DOT serves as current members of the Hawaii Climate Change Mitigation and Adaptation Commission and therefore, there is no need to report to Hawaii Climate Change Mitigation and Adaptation Commission. We recommend annual reporting to the Legislature.

The DOT actively works through various initiatives to support clean transportation and to achieve the state's clean energy goals. This includes reducing emissions from DOT's internal operations, such as through the development and implementation of an innovative statewide fleet electrification contract that allows all participating agencies to obtain electric vehicles and related charging infrastructure in exchange for user fees. This has enabled the DOT to convert vehicles and install charging stations and the charging service quickly and efficiently with no upfront equipment costs. In addition, the DOT pursues strategies to support the expansion of electric vehicle charging facilities across the state.

The DOT has also implemented multi-modal integration and transportation demand management strategies to address the emissions produced by vehicles traveling on the State Highway System. Implementation of Complete Streets through existing policies, procedures, internal coordination, and external coordination with counties and advocacy groups; improvement of bicycle and pedestrian safety, access, and network connectivity are primary considerations for all projects in DOT. Other programs include ridesharing which offers the least expensive way to reduce rush-hour traffic congestion by moving more people in fewer cars. To encourage ridesharing, DOT provides High Occupancy Vehicles Lanes such as the Zipperlane which are reserved for vehicles carrying two or

more people, buses, and motorcycles. The DOT is leading a pilot project to connect rural communities statewide through broadband. The broadband program will leverage federal highways and broadband funding to provide increased connectivity for the state highway system by expanding broadband services to provide opportunities for Hawaii residents in traditionally unserved and underserved communities to work and learn from home.

The Infrastructure Investment and Jobs Act (IIJA) was signed into law in 2021 and authorized a new Carbon Reduction Program codified in 23 United States Codes (USC) 175 to reduce transportation emissions. This IIJA program has been funded for the years 2021 to 2025. The program requires a Carbon Reduction Strategy. The DOT is developing this Carbon Reduction Strategy which will be finalized in November 2023. Additionally, a greenhouse gas emissions performance measure was established and requires that State DOTs establish a declining greenhouse gas target. This performance measure requires baseline and performance reporting to the FHWA. Implementation of these federal requirements by DOT will assist in achieving the long-term goal of zero emissions in transportation.

The department's work extends to its coordination with the counties. The DOT collaborates with county transportation and transit agencies in the counties to help them transition towards zero-emissions transit fleets. The DOT has provided additional funding received from redistribution funds to enhance operations and electrification, and has committed to additional funding through agreements between FTA and FHWA. Additionally, the department partners with counties and other stakeholders to develop innovative transportation solutions that reduce travel demand and promote sustainable practices, all in pursuit of a clean transportation system. We also consider all county multi modal improvements while planning improvements on the state system to maximize safe connectivity for all users.

Additionally, the DOT embarked on an ambitious plan to mainstream sustainability in the aviation sector in Hawaii with the 2016 Honolulu International Airport (HNL) Sustainable Management Plan (SMP). The goal of the SMP is to leverage design, construction, operations, and maintenance expenditures through proven business practices, goals, and initiatives to pay benefits to the customers, employees, industry, and local community. HNL aligns with the state and local goals, policies, and initiatives through the SMP by conducting a comprehensive analysis of how and where sustainability management is implemented into long-term planning. The plan included priority sustainability categories, energy, carbon, water, waste, and stormwater, as well as a general overview of the additional, longer-term sustainability focus areas.

The DOT also is focused on protecting water quality in the harbors' waters. To address the consent decree mandate, the DOT follows its Stormwater Management Plan, which is designed to improve water quality in the harbor waters. The DOT is also addressing resiliency and adapting to climate change at its Harbors. The major focus of the Honolulu Harbor 2050 Master Plan effort, which will provide a guide to future Harbors Division improvements and plans, is on improvements that can be done to address resiliency and adaptation.

The user-generated environmental impacts of the state's transportation system are largely due to the structural pattern of land use and the distances between residential

and job locations. This means programs, interventions, and solutions extend beyond the department's purview, and solutions must be comprehensive and involve many other stakeholders.

Interisland travel is conducive to electric aviation due to the short distances. However, there is concern regarding the electrical infrastructure's capacity to meet the long-term goal of zero emissions. Rapid charging stations would be needed at all airports to meet the short turn-around times required to meet airline schedules. Additionally, adequate backup power will be necessary in case of utility electricity outages. Sustainable aviation fuel alternatives, such as biofuels, are dependent on the aviation industry and biofuel distribution infrastructure.

Compared to the electrification of ground transportation, the development, deployment, and evolution of new zero-emissions maritime technologies have been lagging from the waterborne transportation and maritime perspective. The unique challenges presented by the vast distances and ocean conditions that waterborne vessels must endure while transiting the Pacific Ocean to reach Hawaii make it difficult to adopt new technologies. Nonetheless, DOT will closely monitor and report on the development of such technologies.

The DOT emphasizes the need for the working groups to address both adaptation and resilience, in addition to mitigation efforts. And while the focus of this bill is on mitigation, the DOT is focused on energy security and adaptation, and the DOT recommends those initiatives to be included in this measure. As members of the commission are already represented in the working groups, the ground transportation and interisland and transpacific transportation working groups should not be required to report to the Hawaii Climate Change and Adaptation Commission. The DOT also requests funding to support the working committees appropriated out of the general revenues.

Thank you for the opportunity to provide testimony.





**HOUSE COMMITTEE ON TRANSPORTATION  
HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION**

March 21, 2023, 11:30 AM  
Conference Room 325

**TESTIMONY IN SUPPORT OF SB 1024 SD2**

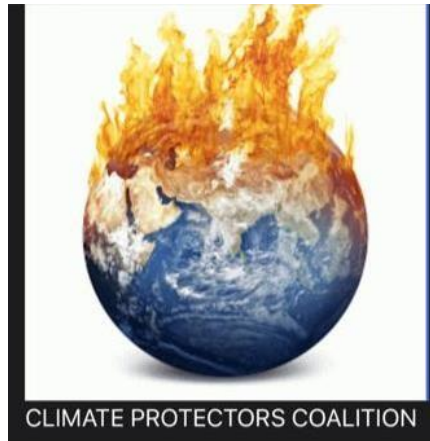
Aloha Chair Todd, Chair Lowen, Vice Chair Kila, Vice Chair Cochran, and members of the Committees:

Blue Planet Foundation **supports SB 1024 SD2**, 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, collaborative, 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.



To: The Honorable Chairs Chris Todd and Nicole Lowen, the Honorable Vice Chairs Darius Kila and Elle Cochran, and Members of the Committees on Transportation and on Energy and Environmental Protection

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

Re: **Hearing SB1024 SD2 RELATING TO TRANSPORTATION**

Hearing: Tuesday March 21, 2023, 11:30 a.m., room 325

Aloha Chairs Todd and Lowen, Vice Chairs Kila and Cochran, and Members of the Committees on Transportation and Energy and Environmental Protection:

The Climate Protectors Hawai'i seek 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.

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**The Climate Protectors Hawai'i STRONGLY SUPPORT SB1024 SD2!**

The transportation sector is the largest source of greenhouse gas emissions in Hawai'i. In order to mitigate our climate emissions, we must reduce emissions from transportation.

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This bill would establish long-term goals for zero-emissions transportation in Hawai'i and abroad to reduce and eliminate transportation emissions. The bill would establish working groups for clean ground transportation and for clean interisland and trans-Pacific transportation. The bill has the potential to help decarbonize ground, inter-island and trans-Pacific transportation. It also may lead to greater adoption of electric vehicles by requiring key agencies to develop plans to increase the State's electric vehicle charging capacity. We are currently consuming on average over a million gallons of gasoline every day! Electric vehicles are less than 2% of total, but offer the potential to reduce gasoline consumption and greenhouse gas emissions.

This bill will help transition ground transportation from fossil fuels to cleaner electricity sources.

Please pass this bill!

Mahalo!

Climate Protectors Hawai'i (by Ted Bohlen)

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# Big Island Electric Vehicle Association

hawaiidriveelectric@gmail.com

bigislandev.org



March 19, 2023

## SUPPORT for SB1024 SD2 - RELATING TO TRANSPORTATION

Dear Chairs Todd and Lowen, Vice Chairs Kila and Cochran, and Committee members,

**Big Island EV Association supports SB1024 SD2, which “Establishes long-term goals for zero-emissions transportation in Hawai‘i and abroad to reduce and eliminate transportation emissions. Establishes the clean ground transportation working group and the interisland and transpacific clean transportation working group. Requires annual reports to the Hawai‘i climate change mitigation and adaptation commission and the legislature.”**

Hawaii is making progress in the decarbonization of its ground transportation sector. There are 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 only 2% of passenger vehicles; 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 toward no/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 SD2 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.



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

HOUSE COMMITTEES ON TRANSPORTATION AND ENERGY & ENVIRONMENTAL  
PROTECTION

Tuesday, March 21, 2023 — 11:30 a.m.

**Ulupono Initiative supports SB 1024 SD2, Relating to Transportation.**

Dear Chair Todd, Chair Lowen, 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 SD2**, which establishes long-term goals for zero-emissions transportation in Hawai'i and abroad to reduce and eliminate transportation emissions; establishes the clean ground transportation and interisland and transpacific clean 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.<sup>1</sup>

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.<sup>2</sup> 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

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<sup>1</sup> [https://energy.hawaii.gov/wp-content/uploads/2020/11/HSEO\\_FactsAndFigures-2020.pdf](https://energy.hawaii.gov/wp-content/uploads/2020/11/HSEO_FactsAndFigures-2020.pdf)

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



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

**Hawaii Electric Vehicle Association**

hawaiiev.org  
info@hawaiieva.com



March 20, 2023

SUPPORT for SB1024 SD2 - RELATING TO TRANSPORTATION

Dear Chairs Todd and Lowen, Vice Chairs Kila and Cochran, and Committee members,

Hawaii EV Association supports SB1024 SD2, which “Establishes long-term goals for zero-emissions transportation in Hawai’i and abroad to reduce and eliminate transportation emissions. Establishes the clean ground transportation working group and the interisland and transpacific clean transportation working group. Requires annual reports to the Hawai’i climate change mitigation and adaptation commission and the legislature.”

Hawaii is making progress in the decarbonization of its ground transportation sector. There are over 22,000 electric vehicles (EVs) in the State, and year over year growth is impressive. More must be done, however, to accelerate this progress. We must accelerate EV adoption. EVs still represent only 2% of the passenger vehicle fleet; 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 toward no/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 SD2 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.

Sincerely,

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

Tam Hunt  
Board Member and Policy Manager  
Hawaii EV Association

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

#### Hawaii EV Board

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

#### Hawaii EV Clubs

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





HOUSE COMMITTEE ON TRANSPORTATION  
HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

TESTIMONY IN SUPPORT  
Senate Bill 1024 SD2  
RELATING TO TRANSPORTATION  
Tuesday, March 21, 2023 — 11:30am

Chairs Todd and Lowen, Vice Chairs Kila and Cochran, and Members of the Committees on Transportation and Energy and Environmental Protections:

**Aero X Ventures strongly supports SB 1024 SD2**, which (1) Establish long-term goals for zero-emissions transportation in Hawaii and abroad and take steps to achieve the reduction and elimination of transportation emissions; (2) Provide a commitment and support from the State to emerging companies looking to demonstrate and pioneer new technologies and services in the years to come; and (3) Establish working groups of government agencies and expert stakeholders to develop plans and recommendations and take steps to help achieve zero-emissions transportation.

Aero X Ventures is a specialized venture capital firm that supports emerging companies that are building Advanced Air Mobility technologies. We are keen proponents of electric aviation for its ability to drastically reduce emissions, noise pollution, and costs, while improving efficiency and range in aerial transportation. Our ability to contribute social, intellectual, and financial capital to this ecosystem provides us with a unique perspective of the challenges and opportunities that it faces. Our firm is committed to helping the state with aligning resources that strengthen its attractiveness as a leader in clean energy transportation. Hawai'i has unique advantages, including an abundance of renewable energy resources and rich history of aviation, that will also enable this advancement.

Hawai'i is headed in the right direction but is still in the early stages of developing an electric transportation infrastructure. With support, like the actions detailed in this bill, local communities have a meaningful opportunity to benefit significantly in terms of environmental impacts, mobility, and economic development. With recent steps forward in research & development, building an innovation ecosystem, and educational efforts to grow a talent pool, the state is well positioned to take this next step.

Thank you for the opportunity to provide testimony in support of SB 1024 SD2.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron Ishikawa".

Aaron Ishikawa  
Partner & Investment Team Lead  
Aero X Ventures



HOUSE COMMITTEE ON TRANSPORTATION

Representative Chris Todd, Chair  
Representative Darius Kila, Vice Chair

HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Representative Nicole Lowen, Chair  
Representative Elle Cochran, Vice Chair

TESTIMONY IN SUPPORT

Senate Bill 1024 SD2, Relating to Transportation  
Wednesday, March 22, 2023, 11:30 a.m.  
Conference Room 325

Aloha Chair Todd, Chair Lowen, Vice Chair Kila, Vice Chair Cochran, and Members of the Committees:

Thank you for the opportunity to provide testimony in support of SB1024 SD2, which establishes long-term goals for zero-emissions transportation in Hawai'i and also establishes the Clean Ground Transportation and Interisland and Transpacific Clean Transportation Working Groups while requiring annual reports 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 Interisland and Transpacific Clean Transportation working group. We believe our expertise and vested interest in Hawai'i would bring value to its critical work.

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



**Testimony of  
Oahu Metropolitan Planning Organization**

**Before the House Committee on  
TRANSPORTATION and the House Committee on  
ENERGY AND ENVIRONMENTAL PROTECTION**

**Tuesday, March 21, 2023  
11:30 A.M.**

**State Capitol, Conference Room 325**

**In consideration of  
SENATE BILL 1024 SD2  
RELATING TO TRANSPORTATION**

**Purpose of Bill:** Establishes long-term goals for zero-emissions transportation in Hawai'i and abroad to reduce and eliminate transportation emissions. Establishes the clean ground transportation working group and the interisland and transpacific clean transportation working group. Requires annual reports to the Hawai'i climate change mitigation and adaptation commission and the legislature.

**Department's Position:** The Oahu Metropolitan Planning Organization (OahuMPO) supports SB 1024 SD2.

The OahuMPO is the designated metropolitan planning organization for the island of Oahu. We are guided by the vision statement in the 2045 Oahu Regional Transportation Plan, which states: O'ahu's path forward is multimodal and safe. All people on O'ahu can reach their destinations through a variety of transportation choices, which are reliable, equitable, healthy, environmentally sustainable, and resilient in the face of climate change.

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 provide testimony on this measure.



**Testimony of Elemental Excelerator to the  
TRN/EEP Committee  
in consideration of SB 1024 SD2, March 21, 2023**

Dear Chairs Todd and Lowen, Vice Chairs Kila and Cochran, and distinguished Members of the Committees on Transportation and Energy and Environmental Protection:

Elemental Excelerator respectfully submits our **support for SB 1024 SD2** (hereafter “SB 1024”).

Elemental Excelerator is a Honolulu-based non-profit organization that supports climate positive startup companies that help solve Hawai‘i’s most urgent environmental problems. Each year, we select 15-20 companies that best fit our mission and fund each company with up to \$1 million in investment. To date, we have awarded over \$50 million to 150+ companies, and additionally supported more than 100 new tech demonstration projects right here in Hawai‘i & the Asia Pacific.

SB 1024 will: 1) establish long-term goals for zero-emissions transportation in Hawai‘i and abroad to reduce and eliminate transportation emissions, 2) establish the Clean Ground Transportation Working Group and the Interisland and Transpacific Clean Transportation Working Group, and 3) require annual reports to the Hawai‘i Climate Change Mitigation and Adaptation Commission and the legislature.

According to the state’s latest greenhouse gas inventory, transportation emissions totaled 8.98 million metric tons (MMT) of carbon dioxide equivalents, responsible for 51 percent of all energy sector emissions.<sup>1</sup> Transportation remains one of our hardest to abate sectors, as our communities were largely designed for populations which rely on single occupancy vehicles. Further, aviation contributed an additional 4.1 MMT of carbon emissions, equaling nearly one fifth of total statewide emissions (excluding sinks). As a network of islands isolated in the Pacific, Hawai‘i relies heavily on air travel – an industry which remains difficult to decarbonize globally. SB 1024 is an important step in addressing these emissions, opening doors for innovation, and is necessary to develop actionable pathways to transportation decarbonization.

One of the stated purposes of this bill is to “provide a commitment and support from the State to emerging companies looking to demonstrate and pioneer new technologies and services in the years to come.” Elemental Excelerator has been committed to this work since our inception. We have supported a range of companies working to decarbonize both ground transportation and aviation. To address ground transportation emissions, FreeWire and Amply Power are working

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<sup>1</sup> [https://health.hawaii.gov/cab/files/2021/04/2017-Inventory\\_Final-Report\\_April-2021.pdf](https://health.hawaii.gov/cab/files/2021/04/2017-Inventory_Final-Report_April-2021.pdf)

to improve electric vehicle (EV) charging systems, Proterra is decarbonizing mass transit by producing electric buses, and Bikeshare Hawaii is offering accessible active transportation solutions. Ampaire, Dimensional Energy, and ZeroAvia are at the forefront of developing zero-emission aviation solutions, from hydrogen fuel to electric battery powered planes. Further, our portfolio companies Remix and Blyncsy are making our transportation systems on the whole smarter and more efficient, using software and advanced technology to reshape urban mobility. We've helped navigate the introduction of these and many other new technologies and innovative approaches with various agencies at the County and State level—with varying degrees of success.

SB 1024 will send a clear signal that Hawai'i is committed to transitioning away from a fossil fuel-powered transportation sector, and that government agencies welcome low- and no-carbon technologies. It would bring together stakeholders to develop a blueprint for drawing down our transportation emissions, and provide regulatory authority to key state agencies to adapt quickly to the very kinds of new solutions and technologies that groups like Elemental Excelerator regularly bring to market to compete with fossil fuel incumbents.

Further, the Infrastructure Investment and Jobs Act (IIJA) and Inflation Reduction Act (IRA) are delivering unprecedented amounts of federal funding to jurisdictions that are prepared. Hundreds of millions of dollars will be available over the next five years to support the deployment of zero emission vehicles, boats, and planes, the development of bike- and pedestrian-friendly infrastructure, and more. The working groups established by this bill will be tasked with “[coordinating] with the State and applicable stakeholders to pursue grants and other funding opportunities for the State” to achieve the zero emission transportation goals. The timing is ripe to develop a coordinated effort to pursue and maximize the unprecedented amounts of federal funding available.

Elemental Excelerator has helped support dozens of climate tech companies that create good jobs, help transition our economy to 100% clean energy, and accelerate access to zero emission transportation solutions. SB 1024 is a key piece of climate legislation, and we are poised to support its implementation. By passing this bill, the state takes an important step forward to addressing our transportation emissions.

**Elemental Excelerator supports the passage of SB 1024** to open doors to transportation innovation, set targets for zero emission transportation in Hawai'i, and establish a pathway to reach these targets.

Thank you for the opportunity to testify.



**SanHi**

GOVERNMENT STRATEGIES  
A LIMITED LIABILITY LAW PARTNERSHIP

DATE: March 17, 2023

TO: Representative Chris Todd  
Chair, Committee on Transportation

Representative Nicole Lowen  
Chair, Committee on Energy and Environmental Protection

FROM: Tiffany Yajima

RE: **S.B. 1024, S.D.2 – Relating to Transportation**  
**Hearing Date: Tuesday, March 21, 2023 at 11:30a.m.**  
**Conference Room: 325**

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Dear Chair Todd, Chair Lowen and Members of the Joint Committees:

On behalf of the Alliance for Automotive Innovation (“Auto Innovators”) we submit this testimony with this testimony in **support** of S.B. 1024, S.D.2.

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.

We note that the Senate version of this bill was amended to require the Department of Transportation, Office of Planning and Sustainable Development, and the Hawaii State Energy Office to, among other things, develop and implement options that accelerate the transition to zero emissions transportation. 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 and would request to be a member of the ground transportation working group.

Thank you for the opportunity to submit this testimony.



**HOUSE COMMITTEE ON TRANSPORTATION**  
**HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION**

**TESTIMONY IN SUPPORT**

Senate Bill 1024 SD2, Relating to Transportation

Tuesday, March 21, 2023, 11:30am, via videoconference

Aloha Chairs Todd and Lowen, Vice Chairs Kila and Cochran, and Members of the Committees:

**AeroX strongly supports SB 1024 SD2**, which *“establishes long-term goals for zero-emissions transportation in Hawai’i and abroad to reduce and eliminate transportation emissions; Provide a commitment and support to emerging companies looking to demonstrate and pioneer new technologies and services in the years to come; and Establish working groups to develop plans and recommendations and take steps to help achieve zero-emissions transportation.”*

Aviation is responsible for a significant portion of greenhouse gas emissions globally and in Hawai’i. Electrification of aircraft is one solution to address this issue. By transitioning to electric aircraft, the aviation industry can reduce its carbon footprint and decrease its contribution to climate change. Hawai’i is uniquely positioned to be a leader in this space due to its strong commitment to renewable energy and sustainability. The state's abundant renewable energy resources and its ongoing efforts to reduce carbon emissions, including this bill, make it an ideal location to pilot and develop electric aviation technology.

AeroX is a nonprofit organization of business, government, and community partners focused on facilitating the safe and efficient commercialization of advanced air mobility (AAM) technologies in the United States. AAM is a term used to describe an emerging air transportation system for moving cargo and people using unmanned aircraft with advanced technologies, including autonomous electric aircraft and electric vertical take-off and landing (eVTOL) aircraft. This rapidly evolving industry has the potential to touch every sector and fundamentally change transportation and mobility. According to a study by Morgan Stanley, the global eVTOL market could reach \$1.5 trillion by 2040. Additionally, a report by the Advanced Air Mobility Coordination and Leadership Council estimates that the U.S. AAM market could reach \$115 billion annually by 2035, potentially creating more than 280,000 jobs.

AeroX supports SB 1024 SD2 and is ready to contribute our expertise. Thank you for the opportunity to testify on this measure.

Mahalo,

Basil K. Yap  
President



**LATE**

**SB-1024-SD-2**

Submitted on: 3/21/2023 9:12:12 AM

Testimony for TRN on 3/21/2023 11:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Steve Parsons	Kauai Climate ACTION Coalition, Small Biz Owner	Support	Written Testimony Only

Comments:

Aloha Trusted Hawaii Lawmakers,

The Kauai CLimate Action Coalition strongly supports bill SB1024 SD2! This will help accelerate hawaii OFF fossil fuels faster than anyone expects and WE HAVE TO ACCELARATE OR DIE? If you think that is DRAMATIC, PLEASE read the laterst IPCC report released yesterday. We are losing the fight against Climate Pollution, and as a result MANY MORE people will DIE NEEDLEESLY because of INACTION. This bill HELPS Hawaii residents, AND Fights Climate Change by reducing the DEADLY Climate Pollution that is emitted by ICE (Internal Combustion Engines). Hawaii needs to electrify EVERYTHING ASAP, if we hope to slow the deadly onslaught from Climate change. Please ACT Boldly to do everything in your POWER to Electrify EVERYTHING in Hawaii ASAP! Imagine, NO SMOG, NO POISON going into the lungs of our most vulnerable Keiki and Kapuna or destroying native plants and species, NOT contributing to SEA LEVEL RISE AND Acidification of the Ocean that is Killing our coral reefs. Imagine, then ACT and pass this and any other Legislation that accelerates us OFF Fossil Fuel POLLUTION! ! IMUA>>>

Mahalo,

Steve Parsons, Hanapepe Kauai, Kauai Climate Action Coalition, Kauai EV, Uber Driver, Tesla Owners Club Kauai Director, Surfrider Foundation, Realtor with NAR's Green Designation



**Hawaiian  
Electric**

**LATE**

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

**SB 1024 SD2**

**Relating to Transportation**

March 21, 2023

11:30 AM, Agenda Item #2

Conference Room 325, VIDEO CONFERENCE

June Chee

Senior Program Manager, Electrification of Transportation  
Hawaiian Electric

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

Hawaiian Electric **provides comments on SB 1024 SD2**, which (1) establishes long-term goals for zero-emission transportation in Hawaii to reduce and eliminate transportation emissions; and (2) establishes the clean ground transportation working group and the interisland and transpacific clean transportation working group.

**Hawaiian Electric respectfully requests to be included as a member of the clean ground transportation and the interisland and transpacific working groups.**

Hawaiian Electric's technical and industry knowledge will be necessary to develop plans and recommendations to help achieve zero-emission transportation across the state.

As a major electric utility provider in the state, Hawaiian Electric has a responsibility to monitor and maintain electric services and is diligently working on transportation electrification. The Company takes part in industry discussions on the electrification of ground, marine, and air transportation with national organizations such

as the Smart Electric Power Alliance (SEPA), Electric Power Research Institute (EPRI), Edison Electric Institute (EEI) and the Alliance for Transportation Electrification (ATE). The Company gains experience in demonstrating and pioneering new technologies and services such as EV-specific rates to encourage daytime charging and electric bus and commercial make-ready infrastructure pilots. Additionally, the Company frequently coordinates with state agencies and is working with the Hawaii Department of Transportation on their National Electric Vehicle Infrastructure buildout.

Hawaiian Electric remains committed to zero-emission transportation and renewable energy efforts that help create a cleaner, more equitable energy future. Hawaiian Electric supports the intent of this measure to develop long-term plans to decarbonize Hawaii's transportation sector. Thank you for your consideration and the opportunity to testify.

**SB-1024-SD-2**

Submitted on: 3/15/2023 11:34:35 AM

Testimony for TRN on 3/21/2023 11:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Cards Pintor	Individual	Support	Written Testimony Only

Comments:

Aloha,

I support this bill.

Mahalo nui,

Cards Pintor

**SB-1024-SD-2**

Submitted on: 3/15/2023 2:48:01 PM

Testimony for TRN on 3/21/2023 11:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
B.A. McClintock	Individual	Support	Written Testimony Only

Comments:

Please support this important bill. Mahalo.

**SB-1024-SD-2**

Submitted on: 3/15/2023 4:00:55 PM

Testimony for TRN on 3/21/2023 11:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Dana Keawe	Individual	Support	Written Testimony Only

Comments:

Support

**SB-1024-SD-2**

Submitted on: 3/16/2023 8:13:01 AM

Testimony for TRN on 3/21/2023 11:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Caroline Azelski	Individual	Support	Written Testimony Only

Comments:

In support of SD2. Thank you.

**SB-1024-SD-2**

Submitted on: 3/16/2023 9:35:50 PM

Testimony for TRN on 3/21/2023 11:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Gerard Silva	Individual	Oppose	Written Testimony Only

Comments:

There is no Such thing!!!



**SB-1024-SD-2**

Submitted on: 3/17/2023 3:45:24 PM

Testimony for TRN on 3/21/2023 11:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Michael Koster	Individual	Support	Written Testimony Only

Comments:

*I support SB1024 SD2 in order to help Hawaii accelerate the decarbonization of our ground transportation, including medium-heavy duty vehicles, marine, and air transport.*

**SB-1024-SD-2**

Submitted on: 3/18/2023 9:46:58 AM

Testimony for TRN on 3/21/2023 11:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Virginia Tincher	Individual	Support	Written Testimony Only

Comments:

Members of the Transportation and the Energy and Environmental Protection Committees

Mahalo for this opportunity to testify.

I am in strong support of SB1024 SD2.

I support these important objectives that help to increase our efforts to decarbonize transportation including the establishment of working groups to assess and develop strategies to accelerate the decarbonization of ground, inter-island, and trans-Pacific transport and increase the adoption of electric vehicles.

Working groups have proven to be success as a way to bring together people with multiple expertises to forge lasting solutions. Let's take advantage of all the knowledge and passion for solutions we have in Hawaii.

Mahalo,

Virginia Tincher, Oahu

**SB-1024-SD-2**

Submitted on: 3/19/2023 12:04:05 AM

Testimony for TRN on 3/21/2023 11:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Lorn DOuglas	Individual	Support	Written Testimony Only

Comments:

- The transportation sector continues to contribute a significant volume of planet-warming emissions.
- We continue to consume a significant of fossil fuel to support this sector. Gasoline consumption alone represents over 30 million gallons per month. (source: DBEDT).
- EVs represent 2% of passenger vehicles - we have a long way to go to decarbonize the sector.
- In addition to ground transportation, we must address the aviation and maritime transport sectors. Low-carbon solutions are coming for these sectors, and we must find ways to accelerate progress.

**SB-1024-SD-2**

Submitted on: 3/19/2023 12:35:39 PM

Testimony for TRN on 3/21/2023 11:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Helen Cox	Individual	Support	Written Testimony Only

Comments:

Aloha Committee Chair and Members,

Please pass SB1024 which establishes long-term goals for zero-emissions transportation in Hawaii and abroad to reduce and eliminate transportation emissions. This bill is important in that it establishes not only a clean ground transportation working group but also the interisland and transpacific clean transportation working group. The requirement of annual reports is also important if we are to make sufficient progress to address the climate crisis we face. My only amendment to this bill would be to move up the implementation date. We cannot afford to wait but must make meaningful progress towards zero-emissions transportation for the sake of our keiki and our aina. Please pass SB1024 and move up the implementation date if possible

Mahalo,

Helen Cox, Kalaheo, Kauai

**SB-1024-SD-2**

Submitted on: 3/19/2023 1:13:31 PM

Testimony for TRN on 3/21/2023 11:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Douglas Perrine	Individual	Support	Written Testimony Only

Comments:

SB1024 establishes working groups to set policies necessary to allow Hawaii to achieve its zero carbon emission goals. Without policies, goals are meaningless, so SB1024 is a necessary step to move towards a better future.

**SB-1024-SD-2**

Submitted on: 3/19/2023 2:42:45 PM

Testimony for TRN on 3/21/2023 11:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Keaton S Woods	Individual	Support	Written Testimony Only

Comments:

*I support SB968 SD2.*

*SB968 SD2 will encourage using electric vehicles and bicycling. These will reduce local air pollution and transportation costs for our community.*

*The provision for electric vehicle-ready parking stalls in new construction will increase the availability of public electric vehicle charging equipment, a key to wider and more equitable adoption of electric vehicles.*

**SB-1024-SD-2**

Submitted on: 3/19/2023 8:03:03 PM

Testimony for TRN on 3/21/2023 11:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
David Durazzo	Individual	Support	Written Testimony Only

Comments:

I support SB1024 SD2.

SB1024 SD2 helps Hawaii accelerate its progress in the decarbonization of our ground transportation sector, including medium-heavy duty vehicles, marine, and air transport.

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 we're making with electric passenger vehicles.

**SB-1024-SD-2**

Submitted on: 3/20/2023 1:49:40 PM

Testimony for TRN on 3/21/2023 11:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
John Latkiewicz	Individual	Support	Written Testimony Only

Comments:

SB 1025 establishes long-term goals for zero-emissions transportation in Hawai'i and abroad to reduce and eliminate transportation emissions. Although not monumental, creating policy makes it easier to develop action plans since they guide action.

Please support SB1024.



**LATE**

**SB-1024-SD-2**

Submitted on: 3/20/2023 9:32:33 PM

Testimony for TRN on 3/21/2023 11:30:00 AM

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

Comments:

Dear Chairs and Committee Members,

The transportation sector continues to contribute a significant volume of planet-warming emissions and I urge you to do something positive for our climate by supporting *SB1024 SD2*.

*SB1024 SD2 accelerates our progress in the decarbonization of our ground transportation sector, including medium-heavy duty vehicles, marine, and air transport.*

*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 we're making with electric passenger vehicles.*

*Sincerely submitted by Diane Ware, 99-7815 Kapoha Place, Volcano 9678\**

**SB-1024-SD-2**

Submitted on: 3/21/2023 12:31:58 PM

Testimony for TRN on 3/21/2023 11:30:00 AM

**LATE**

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Molly Whiteley	Individual	Support	Written Testimony Only

Comments:

Please support SB1024.

Mahalo!

M Whiteley

Kihei