

HAWAII STATE ENERGY OFFICE STATE OF HAWAII

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Testimony of
SCOTT J. GLENN, Chief Energy Officer

before the
SENATE COMMITTEE ON WAYS AND MEANS

Tuesday, March 2, 2021
9:30 AM

Senate conference room via videoconference

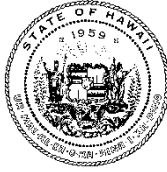
Comments in support of
SB 920 SD1
RELATING TO STATE LIGHT DUTY VEHICLES.

Chair Dela Cruz, Vice Chair Keith-Agaran, and Members of the Committee, the Hawaii State Energy Office (HSEO) supports SB 920 SD1, which establishes clean ground transportation goals for state agencies to achieve a one hundred per cent light-duty motor vehicles zero-emissions fleet by December 31, 2030.

SB 920 SD1 aligns with the State's efforts to expand strategies and mechanisms to reduce greenhouse gas emissions through the reduction of energy use, adoption of renewable energy, and control of air pollution among all agencies, departments, industries, and sectors, including transportation. Emissions from ground transportation account for the largest share of energy sector emissions in the state. As noted in the 2016 Greenhouse Gas Inventory, transportation emissions in Hawaii were at 8.69 million metric tonnes of carbon dioxide equivalents, accounting for 51 percent of total energy sector emissions. Ground transportation accounted for 47 percent of the transportation emissions. For Hawaii to meet its statutory target "to sequester more greenhouse gases than emitted as soon as practicable but no later than 2045," policies that support the adoption of cleaner transportation options are necessary and tremendously important.

Accelerating the deployment of electric vehicles is an area of focus of the Hawaii Clean Energy Initiative Transportation Energy Analysis, prepared for HSEO by the International Council on Clean Transportation. It is important that the State take actions within its power to advance and align with the decarbonization policies of the State and the 2045 time frame identified in Chapter 225P, Hawaii Revised Statutes (HRS). Adopting targets for the conversion of the state fleet will be a material contribution to bolster the number of existing zero emission vehicles (ZEV) in Hawaii and sends a clear signal to the market about Hawaii's commitment to the decarbonization of the ground transportation sector. SB 920 SD1 also appropriately aligns statutes for key agencies with a role in transitioning State fleets. HSEO will continue to coordinate with agencies including but not limited to DOT, DAGS, and SPO to review statutory language to provide input on the combination of amendments that could efficiently transition the State's light duty vehicles. HSEO is also analyzing the state fleet data to support agencies identifying the segment of light duty vehicles that are ready for conversion in the near term.

Thank you for the opportunity to testify.



**STATE OF HAWAII
STATE PROCUREMENT OFFICE**

P.O. Box 119
Honolulu, Hawaii 96810-0119
Tel: (808) 586-0554
email: state.procurement.office@hawaii.gov
<http://spo.hawaii.gov>

TESTIMONY
OF
BONNIE KAHAKUI, ACTING ADMINISTRATOR
STATE PROCUREMENT OFFICE

TO THE SENATE COMMITTEE
ON
WAYS AND MEANS
MARCH 2, 2021, 9:30 A.M.

SENATE BILL 920, SD1
RELATING TO STATE LIGHT DUTY VEHICLES

Chair Dela Cruz, Vice Chair Keith-Agaran, and members of the committee, thank you for the opportunity to submit testimony on SB920 SD1. The State Procurement Office (SPO) offers the following comments and recommendations:

COMMENTS: Chapter 103D, Hawaii Revised Statutes, the Hawaii Public Procurement Code (Code), is meant for general procurement methods and high-level guidance. It should not be a receptacle for all industry-specific specifications or goals as this will, over time, create a vast, and complicated Code that will confuse buyers because they will not be able to trust that specifications are in the respective chapter and procurement specific requirements are lost within the sea of specifications or goals.

RECOMMENDATION:

The SPO proposes the following changes to Section 3, page 3 lines 11-17.

"§103D-412 Light duty and other motor vehicle requirements.
(a) the procurement policy for all agencies purchasing or leasing light duty motor vehicles shall be to reduce dependence on petroleum for transportation energy[.] and meet the clean ground transportation goal that one hundred per cent of light duty motor vehicles of each fleet shall be zero emission vehicles by December 31, 2030.

The SPO also proposes the revision of Section 4, page 6, lines 6-9 to read as follows:

(e) Vehicles acquired from another state agency and excluded vehicles are exempt from the requirements of this section[.] ~~but shall be included in the calculation of the clean ground transportation goals established in subsection (a).~~

Thank you.

Hawaii Electric Vehicle Association

PO BOX 6310
Hilo, HI 96720
hawaiidriveelectric@gmail.com



February 25, 2021

Dear Chair Dela Cruz, Vice-Chair Keith-Agaran, and Finance Committee members,

Hawaii EV Association is in strong support of SD 920 SD1 with amendments.

To achieve Hawaii's sustainability and climate action goals, we must electrify our ground transportation ASAP. Automakers are heeding the demand for zero-emission vehicles and anticipating more bans¹ on the sales of new gas-powered vehicles. They are expanding their electric vehicle offerings or have announced plans to do so.

Importantly, major auto manufacturers have announced plans to deprecate their fossil-fuel-powered vehicles by the 2030s². There are many other reasons to consider prompt electrification of our transportation, e.g.,

- EVs reduce air pollution, a leading cause of health issues and mortality across the globe. (academic.oup.com/circovas/article/116/2/279/5579822; lung.org/clean-air/outdoors/who-is-at-risk/highways)
- EVs reduce our greenhouse gas emission footprint, and they get better at it as our grid is decarbonized, something Hawaii is making good progress at (greentechmedia.com/articles/read/hawaii-is-ahead-of-schedule-for-renewable-power-adoption).
- EVs cost less to maintain. (consumerreports.org/car-repair-maintenance/pay-less-for-vehicle-maintenance-with-an-ev/)
- EVs are very efficient - up to 90% of the stored energy makes it to the wheels, whereas it is around 25% for convention internal combustion engine vehicles (fueleconomy.gov/feg/atv-ev.shtml).

Our state should now be able to find electric vehicle replacements for many of the gas-powered vehicles in the fleet. Given the increasing availability of electric vehicles and the various benefits they offer operators and the public, making this shift is feasible and responsible.

¹ Countries that have announced bans on gas cars - [worldatlas.com/articles/countries-that-will-ban-gasoline-cars.html](https://www.worldatlas.com/articles/countries-that-will-ban-gasoline-cars.html)

² GM to Phase out Gas and Diesel-Powered Vehicles by 2034 - [wsj.com/articles/gm-sets-2035-target-to-phase-out-gas-and-diesel-powered-vehicles-globally-11611850343](https://www.wsj.com/articles/gm-sets-2035-target-to-phase-out-gas-and-diesel-powered-vehicles-globally-11611850343)

Our state must lead our effort to decarbonize and can set the example for other fleet owners. **SD 920 SD1** establishes clean transportation goals that will help us contribute to meaningful reduction in emissions and inspire individuals, businesses, and governments to do the same.

Our recommended amendments:

- Support a mandate for all new light-duty fleet purchases are non-fossil-fuel dependent by 2022.
- Narrow the definition of 'zero-emission' – the options must be vehicles that are not dependent on gas or diesel fuel (non-emitting vehicles).
- Ensure that our definition of alternative fuels exclude natural gas and hydrogen that is sourced from fossil fuel reformation.

Please support **SD 920 SD1**

Sincerely,



Noel Morin - President

Page 2 of 2

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.



**Hawaiian
Electric**

**TESTIMONY BEFORE THE SENATE COMMITTEE ON
WAYS AND MEANS**

SB 920, SD 1

Relating to State Light Duty Vehicles

March 2, 2021

9:30 AM, Agenda Item # 23

State Capitol, Conference Room 211 / VIDEO CONFERENCE

June Chee

Program Manager, Electrification of Transportation
Hawaiian Electric Company, Inc.

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

My name is June Chee and I am testifying on behalf of Hawaiian Electric Company **in support of SB920 SD1**, Relating to State Light Duty Vehicles. Hawaiian Electric Company supports this measure because it would be a significant step in implementing Hawaii's commitment to clean ground transportation and result in quantifiable emissions reductions. Specifically, the Company supports the legislature's proposed landmark commitment to decarbonizing the ground transportation sector by transitioning the State's light duty vehicle fleet to one hundred per cent zero-emission vehicles by December 31, 2030.

Facilitating the electrification of transportation in Hawaii is a top strategic objective of the Company. Consistent with our *Electrification of Transportation Strategic Roadmap*, the Company is providing support and momentum for electrification of transportation through programs and initiatives such as EV-specific rates to encourage daytime charging, an electric bus make ready infrastructure pilot, our proposed Charge Ready Hawai'i pilot to provide make ready infrastructure support to commercial properties and

multi-unit dwellings, and is seeking to expand our public charging network. These initiatives will be supportive of the State's transition to a zero-emission motor pool. Thank you for this opportunity to testify.



Environmental Caucus of The Democratic Party of Hawai'i

Tuesday, March 2, 2021, 9:30 pm

Senate Committee on Ways and Means

SENATE BILL 920 – RELATING TO STATE LIGHT DUTY VEHICLES: Converting the State fleet to EV by 2030

Position: Strong Support

Me ke Aloha, Chair Donovan Del Cruz, Vice-Chair Gilbert Keith-Agaran, and Members of the Committee on Ways and Means:

SB 920 proposes to power 100% of the State light vehicle fleet by renewable energy by 2030. The Environmental Caucus strongly supports this measure. With carbon emissions driving climate change, continuing to accelerate as we deliberate, we note that the transportation sector is by far the greatest contributor to greenhouse gases in Hawaii. It is therefore incumbent upon the State to provide the leadership in transforming our transportation sector, thereby encouraging private industry to follow.

Conversion to renewable fuels also means supporting a fleet of vehicles at cheaper maintenance costs. Reducing our fossil fuel use means a very large portion of Hawaii's wealth remains in the State rather than being exported to fossil fuel producers. Finally, this bill provides incentive for full build-out of Hawaii's renewable fuels infrastructure, affecting the general market for electric vehicles to decelerate statewide use of fossil fuels.

This bill is supported by the State Departments of Transportation, Accounting and General Services, the Energy Office, and by Hawaiian Electric Company, as well as the broad spectrum of grass roots organizations interested in promoting environmental awareness. Significantly, the conversion of Hawaii's vehicle culture to electric vehicles raises the awareness of the broad driving public regarding carbon emissions and environmental protection generally, and the fragility of our island ecosystems.

The Environmental Caucus strongly supports this bill; mahalo for the opportunity to address this issue.

/s/ Charley Ice, Co-Chair, Energy and Climate Action Committee, Environmental Caucus of the Democratic Party

SB-920-SD-1

Submitted on: 2/28/2021 1:30:35 PM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Helen Cox	Testifying for Kauai Climate Action Coalition	Support	No

Comments:

Aloha Kakou,

I am writing to support SB 920 as well as to suggest a friendly amendment. To reach Hawaii's sustainable transportation and climate goals, we have to electrify ground transportation on our islands as soon as possible. This measure establishes clean ground transportation goals for state agencies to achieve a one hundred per cent light-duty motor vehicles zero-emission fleet by December 31, 2030. It will reduce Hawaii's use of gasoline and internal combustion engines and help show the way to a cleaner vehicle future that will help mitigate the climate crisis.

To reach Hawaii's sustainable transportation and climate goals, we have to electrify ground transportation on our islands as soon as possible. Zero-emission vehicles are not only better for the environment, they are also better for our economy.

I urge that this measure be amended to include a target for **all light-duty vehicles** in the state to be powered by renewable energy sources, not just state agencies. In addition, I strongly urge this bill remove all fossil fuels, such as natural gas and liquefied petroleum gas, and list only nonclimate-harming fuels under the definition of 'alternative fuels'. Natural gas and liquified petroleum gas, for example, are dirty fossil fuels that contain methane which is actually a far more potent greenhouse gas than carbon dioxide and have no place in our clean energy future.

Mahalo,

Helen Cox

Chair, Kauai Climate Action Coalition



Email: communications@ulupono.com

SENATE COMMITTEE ON WAYS & MEANS
Tuesday, March 2, 2021 — 9:30 a.m.

Ulupono Initiative supports SB 920 SD 1, Relating to State Light Duty Vehicles.

Dear Chair Dela Cruz and Members of the Committee:

My name is Micah Munekata, and I am the Director of Government Affairs at Ulupono Initiative. We are a Hawai'i-focused impact investment firm that strives to improve quality of life throughout the islands by helping our communities become more resilient and self-sufficient through locally produced food; renewable energy and clean transportation; and better management of freshwater and waste.

Ulupono supports SB 920 SD 1, which establishes clean ground transportation goals for state agencies to achieve a one hundred per cent light-duty motor vehicles zero-emission fleet by December 31, 2030.

Ulupono supports Hawai'i's reduction of fossil fuel use as we strive to meet the State's 100% renewable goal by 2045. This measure seeks to make a large impact on the renewable energy goal by transitioning State and public light-duty vehicles to vehicles powered by renewable energy sources.

Ulupono finds that zero-emission vehicles (ZEVs) are an important avenue to address Hawai'i's pressing climate issues and align with the State's energy and environmental goals. ZEVs currently offer an effective option to advance clean, renewable ground transportation and provide immediate benefits to Hawai'i.

EV sales grew by more than 40% in 2020, but ZEVs still only represent about one percent of all passenger vehicles in the state. We strongly support the State setting goals to transition State-owned light-duty vehicles. We believe this is an important market signal as the State competes in the global vehicle market and further showcases Hawai'i's commitment to decarbonize our economy.

Furthermore, this bill begins to align the State with stronger prohibitions and commitments made around the globe.

In fact, the Governor of California recently signed an executive order to eliminate the sale of new gas cars and trucks by 2035. California joins a multitude of countries and cities across Europe, as well as China and British Columbia, who have taken similar measures to eliminate

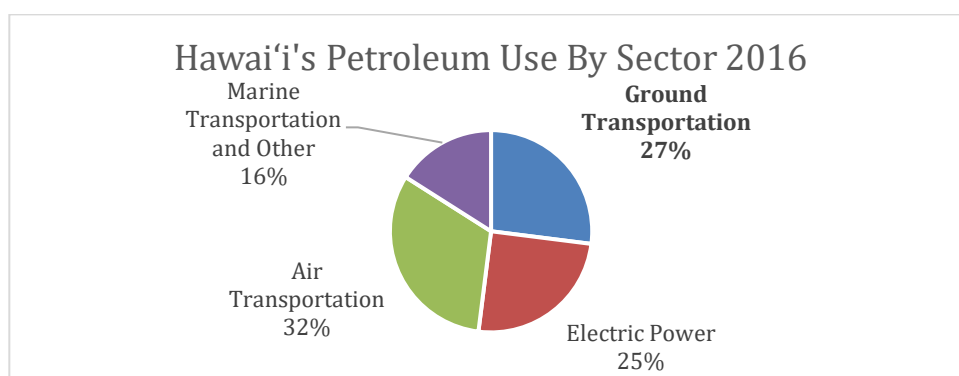
Investing in a Sustainable Hawai'i

the sale of new fossil fuel vehicles with target dates ranging from as soon as 2025 to 2040.

Auto manufacturers are also making similar commitments. Most recently, Nissan committed to having every new vehicle in major markets (including the US) be electrified by the early 2030s, and General Motors (GM) committed to stop making gasoline and diesel cars, vans and SUVs by 2035.

EVs Provide Immediate Energy and Environmental Impact

Ground transportation alone utilizes more than a quarter of the state's imported petroleum. Electrifying ground transportation will reduce our demand for imported fossil fuels, keeping millions of dollars in the state and cutting harmful pollution.



Source: Hawai'i State Energy Office – Hawai'i Energy Facts & Figures

Converting from petroleum-based vehicles to EVs immediately reduces greenhouse gas (GHG) emissions, helping combat climate change and its impacts on our islands. EVs produce zero-emissions at the tailpipe, and even when full lifecycle emissions (from manufacturing through disposal) are considered, EV emissions are approximately 50 percent lower than internal combustion engine (ICE) vehicles.

EVs can also support the integration of more renewables on the electric grid with smart charging technology and rate structures. Thus, proliferating EVs throughout Hawai'i can help accelerate progress towards the State's 100 percent RPS goal, as well as contribute to the State's Paris Agreement commitments and carbon neutral goal.

This bill is an important measure for the State to push for the decarbonization of our economy, while continuing to show the world that Hawai'i is a clean energy leader.

Thank you for this opportunity to testify.

Respectfully,

Micah Munekata
Director of Government Affairs

SB-920-SD-1

Submitted on: 2/28/2021 6:42:28 PM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Ted Bohlen	Testifying for Climate Protectors Hawaii	Support	No

Comments:

To: The Honorable Donovan Dela Cruz, Chair, The Honorable Gilbert Keith-Agaran, Vice Chair, and members of the Senate Committee on Ways and Means

From: Climate Protectors Hawaii (by Ted Bohlen)

Re: Hearing SB920 SD1 RELATING TO THE STATE LIGHT DUTY VEHICLES.

Hearing: Tuesday, March 2, 2021, 9:30 a.m., Rm. 211 and by videoconference

Aloha Chair Dela Cruz, Vice Chair Keith-Agaran, and members of the Senate Committee on Ways and Means:

Position: **STRONG SUPPORT** FOR SB920 SD1, BUT WITH AN AMENDMENT RE ALTERNATIVE FUELS DEFINITION

The Climate Protectors Coalition is a group focused on reversing the climate crisis. As a tropical island State, Hawaii will be among the first places harmed by the global climate crisis, with more intense storms, loss of protective coral reefs, food insecurity, and rising sea levels destroying our shorelines. We must do all we can to reduce our carbon footprint and become carbon negative as soon as possible.

This bill would begin transitioning ground transportation to one hundred per cent zero-emission vehicles in the State by establishing goals for the reduction and ultimate elimination of the use of fossil fuels for ground transportation, **including a goal for the State to lead by example by transitioning one hundred per cent of its light-duty motor vehicles by 2030.**

One part of the bill is inconsistent with the bill's purpose. The definition of "Alternative fuel":

"means alcohol fuels, mixtures containing eighty-five per cent or more by volume of alcohols with **gasoline** or other fuels, **natural gas, liquefied petroleum gas**, hydrogen, biodiesel, mixtures containing twenty per cent or more by volume of biodiesel

with **diesel** or other fuels, other fuels derived from biological materials, and electricity provided by off-board energy sources."

We strongly urge this bill's definition of "alternative fuels" be **amended to remove all fossil fuels, such as ethanol containing gasoline, natural gas and liquefied petroleum gas, and mixtures containing diesel**, and list only nonclimate-harming fuels. Gasoline, liquified petroleum gas, and diesel are petroleum fossil fuels, and natural gas is basically methane, which is actually a far more potent greenhouse gas than carbon dioxide. These fossil fuels should not be included as alternative fuels in our clean energy future.

Please pass this bill with this amendment! Mahalo!

Climate Protectors Hawaii (by Ted Bohlen)



To: The Senate Committee on Ways and Means
From: Sherry Pollack, 350Hawaii.org
Date: Tuesday, March 2, 2021, 9:30am

In support of SB920 SD1

Aloha Chair Dela Cruz, Vice Chair Keith-Agaran, and Committee members of Ways and Means,

I am Co-Founder of the Hawaii chapter of 350.org, the largest international organization dedicated to fighting climate change. 350Hawaii.org **supports SB920 SD1 with some suggested amendments.**

Establishing clean ground transportation goals for state agencies to achieve a one hundred per cent light-duty motor vehicles zero-emission fleet by December 31, 2030 would reduce carbon emissions and increase the number of zero-emission vehicles entering the secondary market, making them more affordable to more Hawaii residents. This is a good start, however, Hawaii can and should do more. 350Hawaii strongly urges that the measure be amended to include a target for *all light-duty vehicles* in the state to be powered by renewable energy sources, not just state agency vehicles. Scientists are warning that major and unprecedented reductions in emissions are needed **now** for us to have a chance to avoid untold suffering from climate breakdown. We must have bold leadership if we are to preserve a livable climate.

Further, the definition of "zero-emission vehicle" should not include plug-in hybrid electric vehicles. The legislature has the opportunity—and the power—to mandate very significant use of **real** zero-emission vehicles with this bill. Vehicles should be fully electric or hydrogen ones, not ones that will perpetuate our importation of fossil fuels.

Next, the definition of "fuel cell electric vehicle" should specify hydrogen made from renewable sources. Hydrogen can be produced in many ways, including by burning fossil fuels.

Last, we strongly urge this bill remove all fossil fuels, such as natural gas and liquefied petroleum gas, and list only nonclimate-harming fuels under the definition of 'alternative fuels.' Natural gas and liquified petroleum gas, for example, are dirty fossil fuels that contain methane which is actually a far more potent greenhouse gas than carbon dioxide and have no place in our clean energy future. As previously stated, the legislature has the opportunity and the power to mandate very significant use of **real** zero-emission vehicles with this bill. These times require strong and decisive leadership.

Zero-emission vehicles are better for the environment and the economy. They are the future for Hawaii. A future we must begin now.

Thank you for the opportunity to testify in strong support of this very important bill.
Sherry Pollack
Co-Founder, 350Hawaii.org

SB-920-SD-1

Submitted on: 2/28/2021 9:38:20 PM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
David Mulinix	Testifying for Our Revolution Hawaii	Support	No

Comments:

Aloha Committee,

On behalf of Our Revolution Hawaii's 7,000 members and supporters statewide, we are in SUPPORT of SB920 with the following important amendments:

- 1) To be more effective this measure should be amended to include a target for all light-duty vehicles in the state to be powered by renewable energy sources, not just state agencies.
- 2) To be inline with the states climate goals it is important to remove all fossil fuels from the bill, such as natural gas and liquefied petroleum gas, and list only non-climate-harming fuels under the definition of alternative fuels. Natural gas and liquified petroleum gas, for example, are dirty fossil fuels that contain methane which is actually a far more potent greenhouse gas than carbon dioxide and have no place in our clean energy future.

Please pass SB920 with these important amendments.

Mahalo for your kind attention,

Dave Mulinix

Cofounder & Hawaii State Community Organizer

Our Revolution Hawaii



SENATE COMMITTEE ON WAYS AND MEANS

March 2, 2021, 9:30 A.M.

Video Conference

TESTIMONY IN SUPPORT OF SB 920 SD1, SUGGESTED AMENDMENT

Aloha Chair Dela Cruz, Vice Chair Keith-Agaran, and members of the Committee:

Blue Planet Foundation **supports SB 920 SD1**, which sets a planning goal to transition 100% of state light-duty fleets to zero-emission vehicles by the end of 2030. This measure is a needed and important first step to ensure that Hawai'i is taking meaningful action to reduce greenhouse gas emissions in the ground transportation sector. This bill will help the state lead by example and promote alignment and collaboration in ongoing and future planning efforts.

Blue Planet recommends that the measure be amended to include a target for all light-duty vehicles in the state to be powered by renewable energy sources by at least 2045. Unlike several other states and countries across the globe, Hawai'i lacks a strong policy framework for shifting our lingering dependence on imported fossil fuel to power our ground transportation sector. The steady but incremental pace of clean vehicle adoption currently in the state is a result of this void. **To meet the challenge of climate change with the pace and scale required, Hawai'i must not continue along the business-as-usual trajectory. We need bold leadership to change course.**

Existing policies and initiatives have failed to reduce carbon emissions from Hawai'i's cars and trucks

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 ground transportation sector**. Greenhouse gas emissions from transportation have been climbing steadily for years prior to the coronavirus pandemic. In 2019, more gasoline was sold in the islands than in 2018.¹ Without deliberate and forward-thinking leadership, we risk accelerating this trend of increased transportation emissions as Hawai'i residents go back to school and the office and as tourists return, especially with lower than usual oil prices. In addition, the quicker we turn our private and public fleets over to electric, the faster we turn the spigot off that leaks billions out of our economy annually to buy gasoline. Mobility should be powered by homegrown power, not imported carbon.

¹ "Monthly Energy Trends," DBEDT, accessed June 9, 2020, <http://dbedt.hawaii.gov/economic/energy-trends-2>.

Even today, over one million gasoline-powered vehicles are on the roads in Hawai'i—and from them comes nearly five million metric tons of climate-changing carbon pollution. Although we now have over 13,000 electric vehicles (EVs) on the state's roads, they still only make up a mere 1% of all registered vehicles in the state.² Hawai'i drivers are increasingly choosing larger, heavier vehicles, which are often less fuel efficient. According to the Hawaii Auto Dealers Association, pickup trucks and sport utility vehicles—still largely powered solely by fossil fuels—accounted for 69.2% of Hawai'i vehicle sales in 2019, a sharp increase from 48.7 per cent in 2012.³ Without a shift in policy, Hawai'i's reliance on fossil fuel for its transportation needs won't change. Senate Bill 920 can help Hawai'i shift this trajectory by setting planning targets for transitioning state fleets to zero-emission vehicles.

Others have already committed to a clean transportation future

In September 2020, California made headlines when Governor Gavin Newsom signed an executive order directing the state to require **all new cars and passenger trucks sold in California to be zero-emission vehicles by 2035**, after a summer of devastating wildfires fueled by climate-change-induced extreme weather. California joined the ranks of several countries who have also recognized that fossil fuel-powered ground transportation needs to end. **France** plans to phase out gas-powered car sales by 2040. **Britain announced in November that it will ban the sale of new gasoline and diesel cars by 2030**, a decade earlier than its previous commitment of 2040. **India, Netherlands, Israel, and Denmark** have set a similar goal for 2030. And **Norway** plans to have all new cars, buses, and light commercial vehicles be zero emission vehicles by 2025.

Auto manufacturers are similarly making bold commitments to phase out fossil-fuel-powered vehicles. **General Motors—one of the world's largest automakers**—announced in January 2021 that it would phase out petroleum-powered cars and trucks and **sell only vehicles that have zero tailpipe emissions by 2035**. As a mere sampling of other examples, Ford is launching all-electric versions of its popular Mustang (launching 2021) and F-150 (expected in 2022), and Volkswagen is targeting electric options for all of its vehicle models by 2030.

Conclusion

Through SB 920, the state government is leading by example and taking an important step forward by setting a goal to transition 100% of state light-duty fleets to zero-emission vehicles. Blue Planet recommends that the measure be amended to include a target for all light-duty vehicles in the state to be powered by renewable energy sources by at least 2045.

Thank you for the opportunity to provide testimony.

² Ibid.

³ Hawaii Dealer, "Hawaii Auto Dealers Association, 2020 Spring Edition, https://issuu.com/traveler-media/docs/hawaiidealer_2020_spring_edition.



Environmental Caucus of The Democratic Party of Hawai'i

February 28, 2021

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

Re: SB920, SD1 – RELATING TO ELECTRIC VEHICLES

Hearing: Tuesday, March 2, 2021, 9:30 a.m., via videoconference

Position: **STRONG SUPPORT**

Aloha Chair Dela Cruz, Vice Chair Keith-Agaran, and Members of the Committee on Ways and Means:

The Environmental Caucus of the Democratic Party of Hawai'i and its Human Environmental Impacts Committee are in strong support of SB920, SD1, as its purposes to begin transitioning ground transportation to be one hundred per cent zero—emission vehicles in the State by establishing goals for the reduction and ultimate elimination of the use of fossil fuels for ground transportation, including a goal for the State to lead by example by transitioning one hundred per cent of its light—duty motor vehicles by 2030. This measure reflects the legislature's recognition of the challenges of transitioning medium-duty and heavy—duty motor vehicles and the resultant impacts on the feasibility of completely eliminating the use of fossil fuels by 2030.

The Democratic Party of Hawai'i (Party) has adopted at its 2018 State Convention, clear safeguards to protect the *'āina* through combating climate change by eliminating fossil fuels through electrification. At page 18 of the Party Platform, it specifically provides:

“We are committed to getting 100 percent of our electricity from clean energy sources within a decade. . . . We will transform Hawai'i's transportation by reducing fossil fuel consumption through cleaner fuels, vehicle electrification, and increasing the fuel efficiency of cars, boilers, ships, and trucks. We will make new investments in public transportation and build bicycle and pedestrian infrastructure across our urban and suburban areas. . . .

Senator Donovan Dela Cruz, Chair
Senator Gilbert S.C. Keith-Agaran, Vice Chair
Committee on Judiciary
SB920, SD1,
March 2, 2021
Page 2

Democrats are committed to defending, implementing and extending smart pollution and efficiency standards and fuel economy standards for automobiles and heavy-duty vehicles, building codes and appliance standards. We are also committed to expanding clean energy research and development.

We will work to expand access to cost-saving renewable energy by low-income households, create good-paying jobs in communities that struggled with energy poverty, and oppose efforts by utilities to limit consumer choice or slow clean energy deployment. We will streamline State permitting to accelerate the construction of new transmission lines to get low-cost renewable energy to market, and incentivize wind, solar, and other renewable energy.

As this bill is supported by the 2018 Democratic Party of Hawai`i Platform, we urge you to pass this bill. It purposes to begin transitioning ground transportation to be one hundred per cent zero—emission vehicles in the State by establishing goals for the reduction and ultimate elimination of the use of fossil fuels for ground transportation, including a goal for the State to lead by example by transitioning one hundred per cent of its light—duty motor vehicles by 2030. This measure reflects the legislature's recognition of the challenges of transitioning medium-duty and heavy—duty motor vehicles and the resultant impacts on the feasibility of completely eliminating the use of fossil fuels by 2030.

Please pass this important and overdue legislation. Thank you very much for the opportunity to testify on this key issue.

Respectfully yours,

Alan Burdick and
Melodie Aduja
Co-Chairs, Environmental Caucus
Co-Chairs, Human Environmental Impacts Committee
Democratic Party of Hawai`i
Email: burdick808@gmail.com and
legislativepriorities@gmail.com



John Uekawa, President
Dave Rolf, Executive Director



HADA Testimony with SUPPORT for SB920 SD1
RELATING TO THE ENVIRONMENT

Presented to the Senate Committee on Ways and Means

at the Public Hearing 9:30 a.m. Tuesday, March 2, 2021 in CR 211

VIA VIDEO CONFERENCE
Hawaii State Capitol

by David H. Rolf for the members of the Hawaii Automobile Dealers Association

Chair Dela Cruz, Vice Chair Keith-Agaran and members of the committee:

HADA dealers offer support for the provisions in this bill which seek to establish clean ground transportation goals for state agencies to achieve a one hundred per cent light-duty motor vehicles zero-emission fleet by December 31, 2030. (SD1)

The goal for state agencies achieving a light-duty vehicle clean fleet by 12/31/2030 continues to follow the purchasing priorities set for state agencies through the Hawaii Clean Energy Initiative in 2010.

The bill also endorses the goals including the carbon sequester provisions in Hawaii Revised Statutes 255-P___ and endorses the procurement procedures found in Hawaii Revised Statutes 264-P___.

HADA dealers thank you for the opportunity to provide support testimony on this bill.

.

Respectfully submitted,

David H. Rolf for the Hawaii Automobile Dealers Association

68 new car dealerships, 4,383 direct jobs, \$5.8 billion total sales, \$269 million State Gross Excise Taxes pa



SanHi

GOVERNMENT STRATEGIES

A LIMITED LIABILITY LAW PARTNERSHIP

DATE: February 26, 2021

TO: Senator Donovan Dela Cruz
Chair, Committee on Ways and Means

FROM: Tiffany Yajima

RE: **S.B. 920, S.D. 1 – Relating to State Light Duty Vehicles**
Hearing Date: Tuesday, March 2, 2021 at 9:30 a.m.
Conference Room: 211

Dear Chair Dela Cruz, Vice-Chair Keith-Agaran, and Members of Committee:

On behalf of the Alliance for Automotive Innovation (“Auto Innovators”) we submit this testimony providing **comments** in support of S.B. 920, SD1.

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.

The Alliance supports state efforts to transition public fleets to zero-emission vehicles. Government support for ZEVs, EV charging infrastructure, and alternative fuel deployment is essential to the state’s overall transition to cleaner transportation. In the transition to 100 percent ZEV government fleets, state agencies can facilitate opportunities for private fleet electrification and can accelerate broader EV adoption among consumers. In addition, a statewide charging network would need to be built to fuel these vehicles and with government support could transform the state’s ZEV landscape by offering widespread access and compatibility in charging stations across the state.

Thank you for the opportunity to submit these comments.



Wednesday, March 2, 2021
Senate Committee on Ways and Means
State Capitol CR 211
Honolulu, Hawaii 96813

LATE

RE: SUPPORT for SB 920 Relating to State Light Duty Vehicles

Dear Chair Donovan Dela Cruz, Vice Chair Gilbert Keith-Agaran, and the Members of the Senate Committee on Ways and Means,

On behalf of the Western States Hydrogen Alliance (WSHA), I write today to express my strong support for Senate Bill (SB) 920.

WSHA is comprised of original equipment manufacturers, technology providers, and public entities that are focused on the accelerated deployment of hydrogen and fuel cell technologies in the commercial and industrial sectors, including fuel cell electric vehicles in hard-to-electrify applications like trucking, busing, locomotive, aviation, maritime, and off-road equipment. Our organization assists states in developing impactful hydrogen and fuel cell policies across the western states.

Decarbonization of vehicles is an important step towards reducing the impacts of climate change and a carbon neutral future. By passing SB 920, the state of Hawaii will lead by example by committing to transition their light-duty fleets to zero-emission vehicles. This leadership will spur further investments into zero-emission vehicles and increase the practicality of these vehicles.

We praise Senator Wakai for taking an inclusive approach in this bill by including hydrogen fuel cell electric vehicles, plug-in electric vehicles, hybrid electric vehicles, and more. By pushing this approach, agencies have the autonomy to choose the vehicles that are right for their needs.



The Western States Hydrogen Alliance strongly supports the passage of SB 920. We sincerely appreciate the opportunity to provide comment to the committee. Please do not hesitate to reach out to me via phone at (818) 642-8064 and via email at Roxana@WesternStatesHydrogen.org if there are any questions, concerns, or general interest in understanding the full possibilities of hydrogen and fuel cells in the commercial and industrial sectors.

Very sincerely,

Roxana Bekemohammadi
Executive Director
Western States Hydrogen Alliance

SB-920-SD-1

Submitted on: 2/25/2021 4:01:56 PM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Nanette Vinton	Individual	Support	No

Comments:

Dear Chair Dela Cruz , Vice Chair Keith-Agaran and Committee Members,

I am writing in **support** of SB920 SD1 which establishes clean ground transportation goals for state agencies to achieve a 100% light-duty motor vehicles zero-emission fleet by December 31, 2030.

Transitioning from fossil fuel vehicles to electric vehicles is one of the biggest things we can do to reduce our dependence on oil and lessen the damaging effects of air pollution.

As a long-time EV owner, I am happy to see the significant EV growth in our state over the past few years. But even with that growth, electric vehicles only amount to about 1.0% of the total vehicle population. We need to do better.

Setting specific clean ground transportation goals for the state agencies sets a clearer path to achieve a zero-emmission fleet by 2030. My only comment would be to only have 100% electric vehicles (BEVs) as the preferred vehicle type to meet these goals. This should be achievable considering the growing number of EV models available or coming soon to the marketplace.

Respectfully submitted,

Nanette Vinton

Mililani, HI

SB-920-SD-1

Submitted on: 2/26/2021 11:29:31 PM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Andrea Nandoskar	Individual	Support	No

Comments:

Strongly support. Please pass SB920 SD1.

Mahalo for your consideration.

SB-920-SD-1

Submitted on: 2/27/2021 7:13:14 AM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Deborah Sevy	Individual	Support	No

Comments:

I strongly support this Bill. To reach Hawaii's sustainable transportation and climate goals, we have to electrify ground transportation on our islands as soon as possible. This measure will reduce Hawaii's use of gasoline and internal combustion engines and help show the way to a cleaner vehicle future that will help mitigate the climate crisis. Thank You!

SB-920-SD-1

Submitted on: 2/27/2021 7:59:36 AM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Dyson Chee	Individual	Support	No

Comments:

Thank you for the opportunity to testify in support of SB920.

SB-920-SD-1

Submitted on: 2/27/2021 4:51:39 PM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Mark Hixon	Individual	Support	No

Comments:

Aloha-- I strongly support SB920 SD1. To reach Hawaii's sustainable transportation and climate goals, we have to electrify ground transportation on our islands as soon as possible. This measure will reduce Hawaii's use of gasoline and internal combustion engines and help show the way to a cleaner vehicle future that will help mitigate the climate crisis. Zero-emission vehicles are better for the environment and the economy. They are the future for Hawaii, a future we need to begin **now**. Mahalo!

SB-920-SD-1

Submitted on: 2/27/2021 8:36:37 PM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Caroline Kunitake	Individual	Support	No

Comments:

Dear Chair Dela Cruz, Vice Chair Keith-Aragan and Committee on Ways and Means,

Please support SB920 SD1.

Zero-emission vehicles are better for the environment and the economy. They are the future for Hawaii, a future we need to begin **now**. Current and future generations need to live a lifestyle that does not extract fossil fuels from our planet.

To reach Hawaii's sustainable transportation and climate goals, we have to electrify ground transportation on our islands as soon as possible. The climate crisis is accelerating and we need to do all that we can.

SUGGESTED AMENDMENT: I urge that this measure be amended to include a target for **all light-duty vehicles** in the state to be powered by renewable energy sources, not just state agencies.

In addition, I strongly urge this bill remove all fossil fuels, such as natural gas and liquefied petroleum gas, and list only nonclimate-harming fuels under the definition of 'alternative fuels'. Natural gas and liquified petroleum gas, for example, are dirty fossil fuels that contain methane which is actually a far more potent greenhouse gas than carbon dioxide and have no place in our clean energy future.

Thank you for taking the time to review this issues. I appreciate the opportunity to provide testimony in support of this bill.

Mahalo,

Caroline Kunitake

SB-920-SD-1

Submitted on: 2/28/2021 7:26:45 AM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
P Noel Bobilin	Individual	Support	No

Comments:

I strongly support this bill because to reach Hawaii's sustainable transportation and climate goals, we have to electrify ground transportation on our islands as soon as possible. This measure will reduce Hawaii's use of gasoline and internal combustion engines and help show the way to a cleaner vehicle future that will help mitigate the climate crisis.

I urge that this measure be amended to include a target for **all light-duty vehicles** in the state to be powered by renewable energy sources, not just state agencies.

I strongly urge this bill **remove** all fossil fuels, such as natural gas and liquefied petroleum gas, and list only nonclimate-harming fuels under the definition of 'alternative fuels'. Natural gas and liquefied petroleum gas, for example, are dirty fossil fuels that contain methane which is actually a far more potent greenhouse gas than carbon dioxide and have no place in our clean energy future. Thank you.

SB-920-SD-1

Submitted on: 2/28/2021 10:54:31 AM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Diane Ware	Individual	Support	No

Comments:

Dear Chair and committee members,

To reach Hawaii's sustainable transportation and climate goals, we have to electrify ground transportation on our islands as soon as possible. This measure will reduce Hawaii's use of gasoline and internal combustion engines and help show the way to a cleaner vehicle future that will help mitigate the climate crisis.

Respectfully,

Diane Ware Volcano 96785

SB-920-SD-1

Submitted on: 2/28/2021 2:00:40 PM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Ron Reilly	Individual	Support	No

Comments:

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

I am in strong support of SB920 SD1.

To achieve Hawaii's share of the needed carbon dioxide emission reduction we have to dramatically increase the electrification of our ground transportation that currently contributes 47% of our state green house gas total emissions of 20.7MMTCO₂e (<https://climate-xchange.org/network/#hawaii>).

The IPCC has stated that a 50% reduction of global emissions will be required by 2030 to reach net zero by 2050.

SB920 is a big step in the right direction. I urge your unanimous support.

Thank you, Ron Reilly, Volcano Village Hawaii 96785

SB-920-SD-1

Submitted on: 2/28/2021 3:00:52 PM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Jesse Palmer	Individual	Support	No

Comments:

-Zero-emission vehicles are better for the environment and the economy. They are the future for Hawaii, a future we need to begin **now**.

-To reach Hawaii's sustainable transportation and climate goals, we have to electrify ground transportation on our islands as soon as possible.

-SUGGESTED AMENDMENT: I urge that this measure be amended to include a target for **all light-duty vehicles** in the state to be powered by renewable energy sources, not just state agencies.

-I strongly urge this bill remove all fossil fuels, such as natural gas and liquefied petroleum gas, and list only nonclimate-harming fuels under the definition of 'alternative fuels'. Natural gas and liquified petroleum gas, for example, are dirty fossil fuels that contain methane which is actually a far more potent greenhouse gas than carbon dioxide and have no place in our clean energy future.

SB-920-SD-1

Submitted on: 2/28/2021 4:36:23 PM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Tadia Rice	Individual	Support	No

Comments:

PLEASE SUPPORT [SB920 SD1](#) that establishes clean ground transportation goals for state agencies to achieve a one hundred per cent light-duty motor vehicles zero-emission fleet by December 31, 2030.

[SB920 SD1](#) IS IMPORTANT to reach Hawaii's sustainable transportation and climate goals, we have to electrify ground transportation on our islands as soon as possible. This measure will reduce Hawaii's use of gasoline and internal combustion engines and help show the way to a cleaner vehicle future that will help mitigate the climate crisis.

Zero-emission vehicles are better for the environment and the economy. They are the future for Hawaii, a future we need to begin **now**.

[SB920 SD1](#) IS IMPORTANT to reach Hawaii's sustainable transportation and climate goals, we have to electrify ground transportation on our islands as soon as possible.

I urge that this measure be **AMENDED** to include a target for **all light-duty vehicles** in the state to be powered by renewable energy sources, not just state agencies.

I strongly urge this bill remove all fossil fuels, such as natural gas and liquefied petroleum gas, and list only nonclimate-harming fuels under the definition of 'alternative fuels'. Natural gas and liquified petroleum gas, for example, are dirty fossil fuels that contain methane which is actually a far more potent greenhouse gas than carbon dioxide and have no place in our clean energy future.

Mahalo!

SB-920-SD-1

Submitted on: 2/28/2021 6:42:22 PM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Tawn Keeney	Individual	Support	No

Comments:

The importance of this bill is obvious. And it is eminently achievable. Do so. Tawn Keeney MD

SB-920-SD-1

Submitted on: 2/28/2021 9:07:47 PM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Joan Gannon	Individual	Support	No

Comments:

Aloha joan here from West Hawaii supporting SB920 SD1. This bill establishes clean ground transportation goals for state agencies to achieve. This is important to reach Hawaii's sustainable transportation and climate goals. Reducing gasoline use for cleaner air.

Thank You

Joan Gannon

SB-920-SD-1

Submitted on: 2/28/2021 9:14:43 PM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Meredith Buck	Individual	Support	No

Comments:

I support SB920.

SB-920-SD-1

Submitted on: 2/28/2021 10:07:23 PM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Nathan A Sparks	Individual	Support	No

Comments:

Zero-emission vehicles are better for the environment and the economy. They are the future for Hawaii, a future we need to begin **now**.

-To reach Hawaii's sustainable transportation and climate goals, we have to electrify ground transportation on our islands as soon as possible.

-SUGGESTED AMENDMENT: I urge that this measure be amended to include a target for **all light-duty vehicles** in the state to be powered by renewable energy sources, not just state agencies.

-I strongly urge this bill remove all fossil fuels, such as natural gas and liquefied petroleum gas, and list only nonclimate-harming fuels under the definition of 'alternative fuels'. Natural gas and liquified petroleum gas, for example, are dirty fossil fuels that contain methane which is actually a far more potent greenhouse gas than carbon dioxide and have no place in our clean energy future.

SB-920-SD-1

Submitted on: 3/1/2021 3:10:46 AM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Janet Pappas	Individual	Support	No

Comments:

Dear Chair Dela Cruz, Vice Chair Keith-Agaran and WAM Committee members,

We are in strong support of SB920 SD1 to transition the State's fleet of light-duty vehicles to clean energy fuels as soon as possible. Hawaii imports fossil fuel to the tune of \$5 billion per year and two thirds of that is for transportation. Decarbonizing Hawaii's transportation sector needs to be one of the State's major goals.

A majority of car manufacturers across the U.S. are building at least one model of electric vehicle, while other carmakers are planning all-electric fleets. In other words, Hawaii must prepare for the EVs that will begin to flood the market--and our roadways--within the next five years (Hawaii currently stands at 1% EV adoption).

Having purchased solar panels in 2008 and owning a Nissan Leaf EV since 2011 (which we charge at home), our family realizes the savings available in energy costs and car maintenance for anyone who takes this path. There is just no reason to continue with fossil-fueled electricity and gas-guzzling cars--especially for entire fleets. Simultaneously, the infrastructure for EV charging stations (or for other alternate fuel vehicles) must be put in place.

We agree that Hawaii should:

- transition to clean ground transportation, leading by example with the State's light-duty vehicles, 100% by Dec. 31, 2030;
- require that Hawaii's DOT and State Energy Office develop strategies to transition all State-owned light-duty vehicles to meet the clean transportation goals; and
- require that all State agencies promote efficient planning of charging locations and day-time charging for electric vehicles

Trucks and other specialty vehicles are not yet available for transition, but we should not hesitate once hybrid or fully electric vehicles are available for purchase. Shenzhen, China, has 16,000 (not a typo) electric buses in their fleet and are now transitioning their taxis (World Economic Forum, "Shenzhen just made all its buses electric, and taxis are next").

For even faster progress, we suggest amending "light-duty State vehicles" to "all light-duty Hawaii-owned vehicles" be 100% electric or renewably fueled by Dec. 31, 2030. The car manufacturers have begun pushing us in that direction.

We must do better for our planet AND we can save money doing so. Please give these forward-looking ideas strong consideration. Please pass SB920 SD1. Thank you for the opportunity to testify.

Sincerely,

Jan Pappas/Ronald Yasuda - Aiea, Hawaii

SB-920-SD-1

Submitted on: 3/1/2021 5:51:24 AM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Richard Camp	Individual	Support	No

Comments:

I strongly support this bill.

SB-920-SD-1

Submitted on: 3/1/2021 7:22:41 AM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Stephanie Hall Morin	Individual	Support	No

Comments:

The state needs to lead by example.

SB-920-SD-1

Submitted on: 3/1/2021 8:23:19 AM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Daniela Escontrela	Individual	Support	No

Comments:

I strongly support this bill

SB-920-SD-1

Submitted on: 3/1/2021 9:53:01 AM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Keith Neal	Individual	Support	No

Comments:

The state of Hawaii must lead efforts to decarbonize and set the example for other fleet owners. SD 920 SD1 establishes clean transportation goals that will help us contribute to meaningful reduction in emissions. State and county governments must do their part by acquiring non-fossil-fuel dependent vehicles.

Amendments recommended:

- Support a mandate for all new light-duty fleet purchases are non-fossil-fuel dependent by 2022.
- Narrow the definition of 'zero-emission' – the options must be vehicles that are not dependent on gas or diesel fuel (non-emitting vehicles).
- Ensure that our definition of alternative fuels exclude natural gas and hydrogen that is sourced from fossil fuel reformation.

Please support SD 920 SD1 with amendments.

SB-920-SD-1

Submitted on: 3/1/2021 9:54:46 AM

Testimony for WAM on 3/2/2021 9:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Matthew Geyer	Individual	Support	No

Comments:

Climate change is accelerating, and in the several years before the Covid-19 pandemic, Hawaii's consumption of fossil fuels had not declined. Hawaii must do much more to do its part to control climate change.

This bill will reduce the consumption of fossil fuels and is consistent with the State's 2045 net zero emissions goal. This bill should be one of multiple bills passed by the Legislature to enable Hawaii to do its part to control climate change.