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CRAIG K. HIRAI
DIRECTOR

ROBERT YU
DEPUTY DIRECTOR

STATE OF HAWAII
DEPARTMENT OF BUDGET AND FINANCE
P.O. BOX 150
HONOLULU, HAWAII 96810-0150

EMPLOYEES' RETIREMENT SYSTEM
HAWAII EMPLOYER-UNION HEALTH BENEFITS TRUST FUND
OFFICE OF THE PUBLIC DEFENDER

ADMINISTRATIVE AND RESEARCH OFFICE
BUDGET, PROGRAM PLANNING AND
MANAGEMENT DIVISION
FINANCIAL ADMINISTRATION DIVISION
OFFICE OF FEDERAL AWARDS MANAGEMENT (OFAM)

WRITTEN ONLY
TESTIMONY BY CRAIG K. HIRAI
DIRECTOR, DEPARTMENT OF BUDGET AND FINANCE
TO THE SENATE COMMITTEE ON WAYS AND MEANS
ON
SENATE BILL NO. 996, S.D. 1

February 27, 2020
10:35 a.m.
Room 211

RELATING TO ZERO-EMISSION VEHICLES

The Department of Budget and Finance (B&F) offers comments on the creation of the Hawai'i Zero-Emission Vehicle Infrastructure (HZEVI) Special Fund.

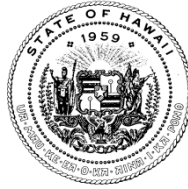
Senate Bill (S.B.) No. 996, S.D. 1: 1) establishes the HZEVI Grant Program in the Department of Transportation to promote development of the refueling infrastructure for zero-emission vehicles; and 2) requires rental motor vehicle lessors that own and operate more than 200 light duty passenger vehicles (vehicles below 8,500 pounds gross weight) in the State of Hawai'i to incorporate zero-emission light duty passenger vehicles into their fleets within a certain time frame. Lessors that fail to comply with the required number of zero-emission vehicles in their rental motor vehicle fleet shall pay a fine of \$1,000 per month for each vehicle below the required amount. This bill also establishes the HZEVI Special Fund that would generate revenues from the fines imposed on lessors.

As a matter of general policy, the department does not support the creation of any special fund which does not meet the requirements of Section 37-52.3, HRS.

Special funds should: 1) serve a need as demonstrated by the purpose, scope of work and an explanation why the program cannot be implemented successfully under the general fund appropriation process; 2) reflect a clear nexus between the benefits sought and charges made upon the users or beneficiaries or a clear link between the program and the sources of revenue; 3) provide an appropriate means of financing for the program or activity; and 4) demonstrate the capacity to be financially self-sustaining. In regard to S.B. No. 996, S.D. 1, it is difficult to determine whether the proposed special fund would be self-sustaining.

Further, this bill does not provide a special fund appropriation to support the program as envisioned in the bill.

Thank you for your consideration of our comments.



TESTIMONY BY:

JADE T. BUTAY
DIRECTOR

Deputy Directors
LYNN A.S. ARAKI-REGAN
DEREK J. CHOW
ROSS M. HIGASHI
EDWIN H. SNIFFEN

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

February 27, 2020
10:35 a.m.
State Capitol, Room 211

S.B. 996, S.D. 1
RELATING TO ZERO EMISSION VEHICLES

Senate Committee on Ways and Means

The Department of Transportation (DOT) **opposes** Senate Bill 996 which requires rental motor vehicle lessors to incorporate zero-emission vehicles into their fleets and creates a Hawaii zero-emissions vehicle infrastructure special fund and grant program to promote development of zero-emission vehicle infrastructure.

We are concerned with the funding sources supporting both the infrastructure special fund and grant program, which must provide a sound revenue stream to support infrastructure needs throughout Hawaii. Our consolidated airport rental car facility in Honolulu (under construction) and Kahului (recently completed) will need to be re-designed/retrofitted to accommodate zero-emission fleet requirements.

In addition, we are concerned on the financial impacts to our airport rental car concessionaires, which is by far our largest revenue generator at \$75 million, due to the uncertainty of zero-emission rental vehicles being rented. Maintaining sufficient revenue levels are required to meet existing debt obligations (to bond holders) and secure future financing requirements to complete current and future consolidated rental car facilities. Furthermore, rental car companies will be the only contributor to subsidize the statewide construction of alternative fuel infrastructure.

Thank you for the opportunity to provide testimony.

DATE: February 26, 2020

TO: Senator Donovan M. Dela Cruz
Chair, Committee on Ways and Means
Submitted Via Capitol Website

FROM: Matthew Tsujimura

RE: **S.B. 996, S.D.1 Relating to Zero-Emission Vehicles**
Hearing Date: Friday, February 27, 2020 at 10:35 a.m.
Conference Room: 211

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

We submit this testimony on behalf of Enterprise Holdings, which includes Enterprise Rent-A-Car, Alamo Rent-A-Car, National Car Rental, Enterprise CarShare and Enterprise RideShare (Van Pool).

Enterprise Holdings **strongly opposes** S.B. 996, S.D.1 which requires rental motor vehicle lessors with more than two hundred light duty passenger vehicles to incorporate zero-emission vehicles into the lessor's fleet by 2050. The bill also requires all rental motor vehicle lessors to report a list of the make, model, license plate number, and fuel type of each rental motor vehicle in the lessor's fleet to the Director of the Department of Commerce and Consumer Affairs. Lastly, the bill creates the Hawaii zero-emission vehicle infrastructure special fund.

Enterprise has been a leader in sustainability in its industry and has been committed to making efforts to incorporate sustainable transportation into its fleet. When electric vehicles came onto the market, Enterprise launched a new program locally to incorporate electric vehicles into their fleet and put them out for rent. Enterprise has also invested in sustainable transportation by incorporating fuel efficient vehicles, as well as car sharing and ride sharing services. Enterprise is supportive of State efforts to move toward sustainable transportation, and has participated in several working groups tasked with increasing the availability of zero-emission charging infrastructure.

The mandate in this bill requires that rental car companies incorporate electric, hybrid, or fuel cell vehicles in their fleet and meet a 10 percent requirement by 2025, 25 percent by 2030, 50 percent by 2035, 75 percent by 2040, and 100 percent by 2050. For every vehicle that does not meet this requirement, the companies would be penalized \$1,000 per month per vehicle.

Enterprise tried to encourage its customers to rent electric vehicles, but was unsuccessful. As a practical matter, the rental car industry is driven by market demand. When Enterprise incorporated several electric vehicles into their fleet, the vehicles were ultimately not selected by consumers to rent. Rental car companies cannot force customers to choose cars they do not want to rent. Due to their construction, electric vehicles tend to have small trunk space, so the cars are naturally less desirable for families who come to the islands on vacation.

This mandate is problematic for the industry and there will be implementation issues. Although Enterprise cannot know the exact reasons why its customers did not rent its electric vehicles, there are some logistical and practical reasons. First, the infrastructure needed to support electric vehicles is currently not adequate. Given that 85% of renters are tourists, if electric vehicles start to become a larger part of the fleet, it is unclear where tourists would charge their cars. Charging stations would need to be installed everywhere they are not now -- airport facilities (including the new consolidated facilities being planned), hotels, and other tourist destinations. None of these locations have enough charging stations to handle the influx of these vehicles on the road, nor do they have the capacity to install the significant numbers of charging stations in their parking lots that would be needed. Enterprise is concerned that the lack of customer support for zero-emission vehicles compounded by the lack of charging stations across the state will make this transition unfeasible. The potential impact on the cost of a rental car to local customers is significant.

The mandated fleet conversion proposed in S.B. 996, S.D.1 does not address the current need for additional infrastructure. The current design of the Consolidated Rental Car Facility cannot accommodate widespread charging conduits. At most, the new facility would only be able to support a few charging stations per rental car company, and certainly not an entire fleet of rentals.

There is also a lack of charging facilities across the state to support a complete conversion of all rental cars to zero-emission vehicles. This lack of infrastructure will result in tourist renters searching for charging stations and waiting for their vehicle to fully charge. Compounding this issue is that tourists may not know how to properly charge their vehicles. The lack of charging stations will lead to vehicles that are not fully charged, which leads to more stalled vehicles and more traffic.

S.B. 996, S.D.1 would create the zero-emission vehicle infrastructure special fund, to be used to “promote the development of fueling infrastructure for zero-emission vehicles [...] and to facilitate and demonstrate financially sustainable business models for infrastructure.” Enterprise is concerned that the rental car industry is being unfairly targeted to fund statewide fueling infrastructure. The bill does not limit use of the fund or the infrastructure to the rental car companies, who will be the sole contributor to the fund. Enterprise believes the fund is unfairly targeting the rental car industry to subsidize statewide construction of alternative fuel infrastructure.

For the above reasons, we respectfully oppose this measure and ask that it be held in committee.

Thank you for the opportunity to submit testimony.



Email: communications@ulupono.com

SENATE COMMITTEE ON WAYS & MEANS
Thursday, February 27, 2020 — 10:35 a.m. — Room 211

Ulupono Initiative Supports SB 996 SD 1, Relating to Zero-Emission Vehicles.

Dear Chair Dela Cruz and Members of the Committee:

My name is Amy Hennessey, and I am the Senior Vice President of Communications & External Affairs at Ulupono Initiative. We are a Hawai'i-based impact investment firm that strives to improve our community's quality of life by creating more locally produced food; increasing affordable clean, renewable energy and transportation options; and better managing waste and freshwater resources.

Ulupono supports SB 996 SD 1, which requires rental motor vehicle lessors to incorporate zero-emission vehicles into their fleets and creates a Hawai'i zero-emission vehicle infrastructure special fund and grant program to promote the development of zero-emission vehicle infrastructure.

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 phasing in rental motor vehicle fleets as zero-emission vehicles.

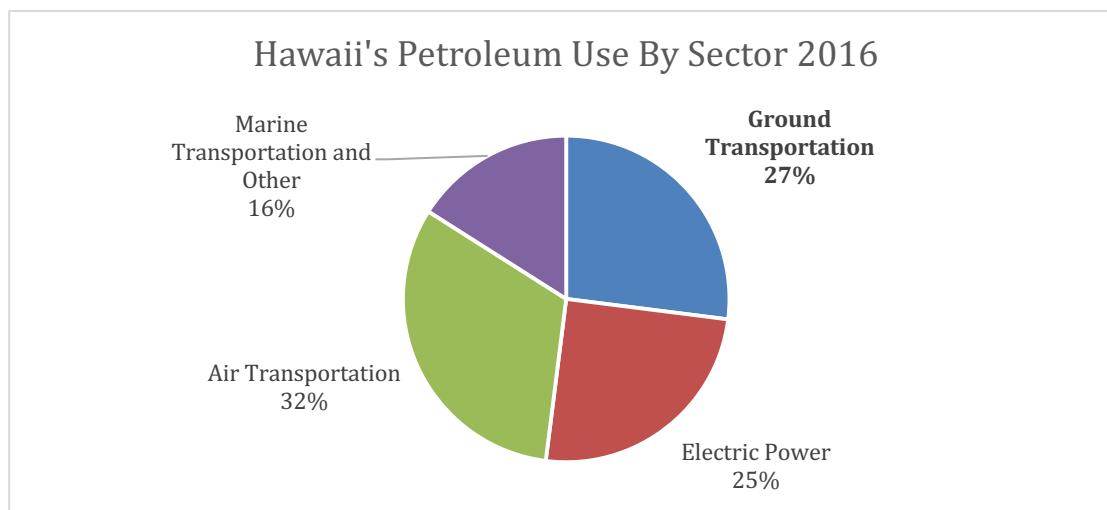
Ulupono finds that electric vehicles (EVs) are an important avenue to address Hawai'i's pressing climate issues and align with the State's energy and environmental goals. EVs currently offer an effective option to advance clean, renewable ground transportation and provide immediate benefits to Hawai'i.

In fact, the International Code Council (ICC), recently voted to include EV-ready measures in the International Building Code. The City and County of Honolulu is also in final consideration of a measure to require EV-ready in new commercial construction. The State of Hawai'i should continue to lead by example and further show the world that Hawai'i is serious about the sustainability and resiliency of our community by encouraging EVs and EV infrastructure as this bill proposes.

Investing in a Sustainable Hawai'i

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: Hawaii State Energy Office – Hawaii Energy Facts & Figures

Converting from petroleum-based vehicles to EVs immediately reduces 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.

Hawai'i Should Be Doing More

EVs are the future, but they currently only represent less than one percent of all passenger vehicles in the state. Hawai'i must encourage this still nascent market and be prepared with the necessary infrastructure.

Public EV charging stations are a vital component of the EV system. They provide access to charging for drivers who may not be able to charge at home, such as residents who live in multi-unit dwellings, and alleviate range anxiety for all EV drivers, a top-cited barrier to purchasing EVs. Similar to the benefits that community solar offers to renters and apartment residents, public chargers open up the opportunity and feasibility of owning an EV to more people, increasing equity and access.

Other states and cities recognize the importance of EV infrastructure and already have policies that require public and private parking facilities to be built to support EV charging. Below are examples of leading state and city EV-ready requirements:

- California – 8 percent of parking stalls at nonresidential properties
- Vancouver – 100 percent of parking stalls at multi-unit residential and 10 percent of stalls at commercial properties
- New York City – 20 percent of parking stalls at parking facilities (open lots and garages)
- Atlanta – 20 percent of parking stalls at new commercial and multifamily properties
- San Francisco – 20 percent of new residential, commercial and municipal properties

This bill is an important measure for the State to lead the private market here in Hawai'i, while continuing to show the world that Hawai'i is a clean energy leader.

Thank you for this opportunity to testify.

Respectfully,

Amy Hennessey, APR
Senior Vice President, Communications & External Affairs



Hawaiian
Electric

LATE

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

**S.B. 996, SD1
Relating to Zero Emission Vehicles**

Thursday, February 27, 2020
10:35 AM, Agenda Item #19
State Capitol, Conference Room 211

Michael Colon
Manager, Electrification of Transportation
Hawaiian Electric Company, Inc.

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

My name is Michael Colon and I am testifying on behalf of Hawaiian Electric Company Inc. (Hawaiian Electric) **in support of S.B, 996, SD1**, Relating to Zero-Emission Vehicles. The purpose of S.B. 996, SD1 is to expedite the incorporation of zero-emission vehicles into rental fleets and to create a special fund that enables the development of refueling infrastructure to support greater adoption of clean transportation.

On the whole, Hawaiian Electric supports the intent of this bill in that it seeks to accelerate the state's transition to clean transportation by leveraging a highly visible subset of our transportation mix, namely rental fleet vehicles. However, Hawaiian Electric has concerns about the timing for zero-emissions vehicle compliance and the tourist industry's ability to develop supporting charging infrastructure accordingly. With the targeted zero-emissions vehicle ratios established in the proposed bill, there may be significant challenges in establishing sufficient refueling infrastructure in the locations, such as hotels and key landmarks by the designated target dates.

Infrastructure installation, and retrofits in particular, require significant design, permitting, and construction which may not be completed by the time vehicle compliance is required. The result could negatively impact tourists through insufficient refueling opportunities and potentially cause a negative customer experience with a zero-emissions vehicle. As an alternative, Hawaiian Electric suggests focusing first on infrastructure development incentives at targeted tourist destinations and landmarks, to ensure robust availability of refueling opportunities before taking the lead on rental fleet vehicle requirements.

Another concern relates to the potential revenues to be generated by the proposed fines under proposed section 437D-A. Considering that the bill primarily targets the larger rental fleet companies, it is unlikely that there would be sufficient revenues generated by ongoing non-compliance. This could result in an underfunded infrastructure special fund, with limited resources to support the crucial refueling counterpart to the measure. Hawaiian Electric suggests refocusing this proposed bill to make refueling infrastructure the primary objective and find alternative sources of funding to support its development.

Hawaiian Electric is committed to an electric vehicle strategy that acknowledges the need for more sustainable transportation options. Accordingly, the Hawaiian Electric supports S.B. 996, SD1. Thank you for this opportunity to testify.

SENATE COMMITTEE ON WAYS AND MEANS

February 27, 2020, 10:35 A.M.

Room 211

(Testimony is 3 pages long)

TESTIMONY IN STRONG SUPPORT OF SB 996 SD1

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

Blue Planet Foundation supports Senate Bill 996 SD1, which requires that an increasing percentage of rental cars used in Hawaii be zero-emission vehicles (ZEVs) until the rental fleet is entirely comprised of ZEVs. **The rental car industry operates the state's largest vehicle fleets**, and the frequent turnover of the vehicles (estimated to be about 13 months) means far more ZEVs entering the secondary market at a discounted cost, allowing many more Hawaii residents to experience the benefits of ZEVs and help Hawaii reach its clean energy goals faster.

Blue Planet Foundation is a local, mission-driven nonprofit committed to clearing the path for 100% clean energy in Hawaii and believes that zero-emissions vehicles, like battery electric vehicles (EVs) and hydrogen fuel cell vehicles, will play a pivotal role in helping to eliminate fossil fuel use for both the ground transportation and the electricity sectors. ZEVs are better for the environment, can lower household transportation costs, and can help Hawaii's electric utilities achieve 100% renewable electricity while lowering household electric bills.

The volume and model types of battery electric vehicles coming onto the market are expected to dramatically increase in the next five to seven years due to falling battery costs and EV-incentivizing policies from nations around the world, particularly those of China, the world's largest vehicle market.

The longer driving ranges, lower costs, and larger selection of models will make it possible for many of Hawaii's residents to lower their carbon footprints and take advantage of the economic benefits that EVs offer. However, there are two challenges to efficient EV adoption that SB 996 attempts to address: (1) the availability and accessibility of public charging facilities is a significant barrier, particularly for those living in apartments and condominiums, and (2) only a small percentage of the state's population has the financial resources to purchase new cars—i.e. it could take a number of years for the influx of quality, affordable EVs to trickle down to the secondary market and become available to most people in the state.

Availability and accessibility of public charging facilities for rental fleets and the public

The fines imposed by this bill will allow for the creation of a special fund that will be administered as a grant program for the build-out Hawaii's electric vehicle infrastructure

network. Priority will be given to those locations that will facilitate increased EV adoption in rental fleets, to ensure adequate charging options for the newly integrated ZEVs.

The International Energy Agency has found that “the availability of chargers emerged as one of the key factors for contributing to the market penetration of EVs.”¹ The development of public charging facilities necessary to enable a high penetration of battery EVs in the rental market would be more than adequate to meet the charging needs of the state’s population simultaneously. Those public chargers are integral to EV adoption, as they serve as primary charging for those living in multi-family properties and as backup charging for those who are able to charge their vehicles at home. Moreover, the optimal time to charge an EV is during the day when renewable energy is abundant. Yet, there is a notable lack of charging options at workplaces and at publicly accessible locations. Senate Bill 996 can help fill in the gap.

Secondary market of quality, affordable EVs

While there are no publicly available figures on the total number of rental cars on Hawaii’s roadways, some have estimated the number to be around 40,000, which would make rental cars by far the largest vehicle fleets in the state.

Additionally, due to proprietary nature of the rental car business, there is no publicly available data on the average turnover rate for rental car fleets in Hawaii; some national estimates put the average turnover time at around 13 months.²

By any estimates, however, incorporating meaningful ratios of ZEVs into rental car fleets would translate into thousands of more ZEVs entering the secondary vehicle market each year. This would mean that many more of Hawaii’s residents could afford to buy a ZEV, reducing their carbon footprints and lowering their transportation costs.

Rental cars represent the largest vehicle fleets in Hawaii. Policies that expedite the scaling of ZEVs into rental car fleets will not only decrease the carbon footprint of the visitor industry, but due to the high frequency of fleet turnover, could translate into a huge influx of ZEVs onto the secondary market, making them affordable for far more Hawaii residents.

Falling Prices and More Models

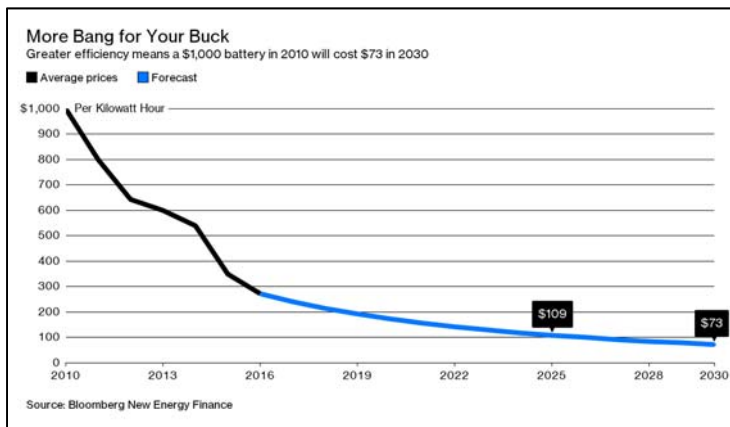
Battery costs have fallen precipitously over the past several years so that in many cases, the total cost of ownership for EVs is lower than for conventional vehicles.

¹ *Global EV Outlook 2017*, at 29, <https://www.iea.org/reports/global-ev-outlook-2017>.

² The Motley Fool, *Surprising Facts about the Rental Car Industry*, <https://www.fool.com/investing/general/2012/07/13/surprising-facts-about-the-rental-car-industry.aspx>.

Experts expect battery prices to continue to fall and as automakers increase the number of models and volume of EVs in the next few years, the upfront cost of EVs is expected to reach upfront cost parity with conventional vehicles by 2024.³

In part due to falling costs and increasing consumer demand, and in part due to government policies supporting EVs, **nearly all of the world's leading automakers have announced aggressive strategies and investments in electric vehicles during the past two years.**



Perhaps the biggest single factor contributing to this dramatic

strategic shift towards electric is the fact that several auto markets across the globe have announced plans committing to phasing out fossil fuel vehicles all together. Both France and Britain have set a target for phasing out the sale of new gas cars by 2040. India, Netherlands, Israel, and Denmark have set a similar goal for 2030. Norway plans to have all new cars, buses, and light commercial vehicles be zero emission vehicles by 2025. And China—the world's largest auto market—also announced plans to electrify its entire vehicle fleet. These countries recognize the environmental imperative for setting long-term transportation policies. Here, policy is key, as the market fails to account for the environmental and social cost of carbon pollution from vehicles today.

Conclusion

Zero-emission vehicles are better for the environment and the economy, and can help Hawaii's electric utilities achieve 100% renewable electricity. The rental car industry operates the state's largest vehicle fleets and the frequent turnover of the vehicles would translate into far more ZEVs entering the secondary market, allowing many more Hawaii residents to participate in the benefits of ZEVs.

This bill can help to dramatically expedite the uptake of ZEVs in Hawaii and help to develop a public charging network necessary to accommodate those vehicles.

Thank you for the opportunity to testify.

³ See Bloomberg New Energy Finance, <https://bnef.turtl.co/story/evo2018?teaser=true>.



LATE

183 Pinana St., Kailua, HI 96734 • 808-262-1285 • info@350Hawaii.org

To: The Senate Committee on Ways and Means
From: Brodie Lockard, Founder, 350Hawaii.org
Date: Thursday, February 27, 2020, 10:35 am

In strong support of SB 996 SD1

Dear Chair Dela Cruz, and members:

350Hawaii.org's 6,000 members strongly support SB 996 SD1.

The transportation sector emits more greenhouse gas than any other sector of Hawaii's economy. Rental cars represent the largest passenger vehicle fleet in Hawaii, and are responsible for a significant amount of carbon emissions.

More zero-emission vehicles in rental car fleets would greatly reduce our emissions; increase the number of clean vehicles entering the used market, making them more affordable to more Hawaii residents; and demonstrate to our millions of tourists that Hawaii takes clean energy and sustainable transportation seriously.

Rental companies have been reluctant to increase their zero-emission vehicles because, as Enterprise testified a couple of years ago, their customers don't want them. This is changing, with rising EV adoption worldwide and a growing global awareness that gas-powered vehicles are huge contributors to our Climate Crisis. Still, rental companies need a push. This bill can provide that push.

Secondly, a zero-emission vehicle infrastructure special fund and a grant program would go far in creating the recharging infrastructure Hawaii needs so badly. Most EV owners have access to only Level 1 charging, i.e., a 120-volt wall socket.

Volvo found in 2019 that slow Level 1 charging is keeping people from buying EVs. Fifty-eight percent of consumers have avoided buying one because of "range anxiety" (fear one's battery won't last to the next charging station). It's the primary reason people aren't buying EVs. Too few charging stations is second, at 49% [1].

This bill addresses two major issues in EV adoption in Hawaii. It's a win-win.

Brodie Lockard
Founder, 350Hawaii.org

[1] <https://www.media.volvocars.com/us/en-us/media/pressreleases/248305/poll-finds-americans-feel-electric-vehicles-are-the-future-of-driving>

SB-996-SD-1

Submitted on: 2/26/2020 5:04:24 PM

Testimony for WAM on 2/27/2020 10:35:00 AM



Submitted By	Organization	Testifier Position	Present at Hearing
Climate Protector	Testifying for Climate Protectors Coalition	Support	No

Comments:

Hawaii Electric Vehicle Association

PO BOX 6310

Hilo, HI 96720

hawaiidriveelectric@gmail.com



February 26, 2020

Dear Chair Luke and members:

On behalf of the Hawaii Electric Vehicle Association, I'd like to offer **STRONG SUPPORT of SB996 SD1.**

Ground transportation contributes significantly to Hawaii's carbon emissions. Unfortunately, our gas consumption continues unabated (it's been gradually rising per DBEDT data). A significant opportunity exists to reduce emissions by transitioning our rental car fleets to zero-emissions vehicles. SB996 SB1 will help us accomplish this.

By requiring rental car companies to adopt zero-emission vehicles and enabling the creation of a 'fueling' infrastructure (electric car charging and hydrogen fueling stations) to support these vehicles, we will see many more clean-running vehicles on our roads.

Importantly, this will increase the number of affordable pre-owned electric vehicles for our residents, and improve general charging station availability for our electric car owners.

Thank you for the opportunity to provide testimony on **SB996 SD1.**

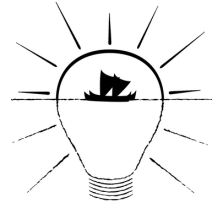
Sincerely,

Noel Morin
President
Hawaii Electric Vehicle Association

The Hawaii Electric Vehicle Association is a chapter of the Electric Auto Association (electricauto.org), a national organization dedicated to increasing adoption of electric vehicles. The Hawaii Electric Vehicle Association is represented by electric vehicle owners and advocates across the state.

Sustainable Energy Hawaii

421 Lama St.
Hilo, HI 96720



LATE

February 26, 2020

Aloha Chair Luke and members:

Sustainable Energy Hawaii is in support of SB996 SD1.

We are supportive of changes that enable Hawaii’s energy independence. SB996 SD1 will allow us to speed up our transition away from fossil fuel by expanding zero-emission transportation.

Electric cars and hydrogen fuel-cell cars can be fueled by locally sourced energy – electricity generated from wind, solar, geothermal, hydrothermal, and tide/wave; and hydrogen that is produced from the same renewable energy sources. We can eliminate our dependency on fossil fuel imports by encouraging the transition to these zero emission vehicles.

SB996 SD1 will make it easier for rental car companies to offer zero-emission cars by stimulating the creation of the charging and fueling stations needed by these cars. Our residents will, in turn, be encouraged to purchase these cars as they will have the needed ‘fueling’ stations.

Help us build our energy independence. Please support SB996 SD1.

Thank you,

Richard Ha
President
Sustainable Energy Hawaii

Sustainable Energy Hawaii, formerly Big Island Community Coalition (BICC), is an advocacy group that is dedicated to improving the quality of life of Hawaii residents through affordable energy, generated from local renewable resources.

SB-996-SD-1

Submitted on: 2/26/2020 4:40:19 PM

Testimony for WAM on 2/27/2020 10:35:00 AM

LATE

Submitted By	Organization	Testifier Position	Present at Hearing
Barbara Hershey	Individual	Support	No

Comments:

Please. We need electric cars on Hawaii and an infastructure to support them.

LATE

SB-996-SD-1

Submitted on: 2/26/2020 4:43:52 PM
Testimony for WAM on 2/27/2020 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Eric Overton	Individual	Support	No

Comments:

To: The Senate Committee on Ways and Means
From: Eric Overton
Date: Thursday, February 27, 2020, 10:35 am

In strong support of SB 996 SD1

Dear Chair Dela Cruz, and members:

As one of 350Hawaii.org's 6,000 members, I strongly support SB 996 SD1.

The transportation sector emits more greenhouse gas than any other sector of Hawaii's economy. Rental cars represent the largest passenger vehicle fleet in Hawaii, and are responsible for a significant amount of carbon emissions.

More zero-emission vehicles in rental car fleets would greatly reduce our emissions; increase the number of clean vehicles entering the used market, making them more affordable to more Hawaii residents; and demonstrate to our millions of tourists that Hawaii takes clean energy and sustainable transportation seriously.

Rental companies have been reluctant to increase their zero-emission vehicles because, as Enterprise testified a couple of years ago, their customers don't want them. This is changing, with rising EV adoption worldwide and a growing global awareness that gas-powered vehicles are huge contributors to our Climate Crisis. Still, rental companies need a push. This bill can provide that push.

Secondly, a zero-emission vehicle infrastructure special fund and a grant program would go far in creating the recharging infrastructure Hawaii needs so badly. Most EV owners have access to only Level 1 charging, i.e., a 120-volt wall socket.

Volvo found in 2019 that slow Level 1 charging is keeping people from buying EVs. Fifty-eight percent of consumers have avoided buying one because of "range anxiety" (fear one's battery won't last to the next charging station). It's the primary reason people aren't buying EVs. Too few charging stations is second, at 49% [1].

This bill addresses two major issues in EV adoption in Hawaii. It's a win-win.

Eric Overton

SB-996-SD-1

Submitted on: 2/26/2020 5:01:00 PM

Testimony for WAM on 2/27/2020 10:35:00 AM

LATE

Submitted By	Organization	Testifier Position	Present at Hearing
Margaret A Clark	Individual	Support	No

Comments:

Please support this bill. Good step in the right direction

SB-996-SD-1

Submitted on: 2/26/2020 5:03:37 PM

Testimony for WAM on 2/27/2020 10:35:00 AM

LATE

Submitted By	Organization	Testifier Position	Present at Hearing
Chuck Spence	Individual	Support	No

Comments:

To: The Senate Committee on Ways a Date: Thursday, February 27, 2020, 10:35 am In strong support of SB 996 SD1 Dear Chair Dela Cruz, and members: As one of 350Hawaii.org's 6,000 members, I strongly support SB 996 SD1. The transportation sector emits more greenhouse gas than any other sector of Hawaii's economy. Rental cars represent the largest passenger vehicle fleet in Hawaii, and are responsible for a significant amount of carbon emissions. More zero-emission vehicles in rental car fleets would greatly reduce our emissions; increase the number of clean vehicles entering the used market, making them more affordable to more Hawaii residents; and demonstrate to our millions of tourists that Hawaii takes clean energy and sustainable transportation seriously. Rental companies have been reluctant to increase their zero-emission vehicles because, as Enterprise testified a couple of years ago, their customers don't want them. This is changing, with rising EV adoption worldwide and a growing global awareness that gas-powered vehicles are huge contributors to our Climate Crisis. Still, rental companies need a push. This bill can provide that push. Secondly, a zero-emission vehicle infrastructure special fund and a grant program would go far in creating the recharging infrastructure Hawaii needs so badly. Most EV owners have access to only Level 1 charging, i.e., a 120-volt wall socket. Volvo found in 2019 that slow Level 1 charging is keeping people from buying EVs. Fifty-eight percent of consumers have avoided buying one because of "range anxiety" (fear one's battery won't last to the next charging station). It's the primary reason people aren't buying EVs. Too few charging stations is second, at 49% [1]. This bill addresses two major issues in EV adoption in Hawaii. It's a win-win. Charles 'Chuck' Spence

LATE

SB-996-SD-1

Submitted on: 2/26/2020 5:12:06 PM
Testimony for WAM on 2/27/2020 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
TOM DIGRAZIA	Individual	Support	Yes

Comments:

We strongly support SB996. Oahu is flooded with rental cars. It is long passed the time for these companies to go electric with appropriate recharging infrastructure.

Mahalo!

Tom DiGrazia and Family

LATE

SB-996-SD-1

Submitted on: 2/26/2020 6:30:49 PM

Testimony for WAM on 2/27/2020 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Roseann Michaud	Individual	Support	No

Comments:

I strongly support this bill since it would encourage rental car companies to include zero emission cars into their fleet thus helping to reduce greenhouse gases. In addition, a zero-emission vehicle infrastructure special fund and grant would help create the recharging infrastructure needed to encourage more people to convert to electric vehicles. These steps are needed now if we truly want to deal with the climate crisis.

SB-996-SD-1

Submitted on: 2/26/2020 6:55:35 PM

Testimony for WAM on 2/27/2020 10:35:00 AM

LATE

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

Comments:

Dear Chair Dela Cruz and Members of the Committee on Ways and Means,

I am writing in support of SB 996 SD1.

More zero-emission vehicles in rental car fleets would greatly reduce our emissions; increase the number of clean vehicles entering the used market, making them more affordable to more Hawaii residents; and demonstrate to our millions of tourists that Hawaii takes clean energy and sustainable transportation seriously.

Rental companies have been reluctant to increase their zero-emission vehicles because, as Enterprise testified a couple of years ago, their customers don't want them. This is changing, with rising EV adoption worldwide and a growing global awareness that gas-powered vehicles are huge contributors to our Climate Crisis. Still, rental companies need a push. This bill can provide that push.

Please pass this bill.

Mahalo,

Caroline Kunitake

SB-996-SD-1

Submitted on: 2/26/2020 7:03:05 PM

Testimony for WAM on 2/27/2020 10:35:00 AM



Submitted By	Organization	Testifier Position	Present at Hearing
Leilani M Angel	Individual	Support	No

Comments:

Dear Chair Dela Cruz, and members:

As one of 350Hawaii.org's 6,000 members, I strongly support SB 996 SD1.

The transportation sector emits more greenhouse gas than any other sector of Hawaii's economy. Rental cars represent the largest passenger vehicle fleet in Hawaii, and are responsible for a significant amount of carbon emissions.

More zero-emission vehicles in rental car fleets would greatly reduce our emissions; increase the number of clean vehicles entering the used market, making them more affordable to more Hawaii residents; and demonstrate to our millions of tourists that Hawaii takes clean energy and sustainable transportation seriously.

Rental companies have been reluctant to increase their zero-emission vehicles because, as Enterprise testified a couple of years ago, their customers don't want them. This is changing, with rising EV adoption worldwide and a growing global awareness that gas-powered vehicles are huge contributors to our Climate Crisis. Still, rental companies need a push. This bill can provide that push.

Secondly, a zero-emission vehicle infrastructure special fund and a grant program would go far in creating the recharging infrastructure Hawaii needs so badly. Most EV owners have access to only Level 1 charging, i.e., a 120-volt wall socket.

Volvo found in 2019 that slow Level 1 charging is keeping people from buying EVs. Fifty-eight percent of consumers have avoided buying one because of "range anxiety" (fear one's battery won't last to the next charging station). It's the primary reason people aren't buying EVs. Too few charging stations is second, at 49% [1].

This bill addresses two major issues in EV adoption in Hawaii. It's a win-win.

Sincerely,

Leilani Angel

SB-996-SD-1

Submitted on: 2/26/2020 7:25:46 PM

Testimony for WAM on 2/27/2020 10:35:00 AM



Submitted By	Organization	Testifier Position	Present at Hearing
John Grandinetti	Individual	Support	No

Comments:

Renting an EV in Hawaii would be my first choice. Please push the major rental car companies to include EV choices.

LATE

SB-996-SD-1

Submitted on: 2/26/2020 8:27:11 PM

Testimony for WAM on 2/27/2020 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
katherine kazlauskas	Individual	Support	No

Comments:

In strong support of SB 996 SD1

Dear Chair Dela Cruz, and members:

As one of 350Hawaii.org's 6,000 members, I strongly support SB 996 SD1.

The transportation sector emits more greenhouse gas than any other sector of Hawaii's economy. Rental cars represent the largest passenger vehicle fleet in Hawaii, and are responsible for a significant amount of carbon emissions.

More zero-emission vehicles in rental car fleets would greatly reduce our emissions; increase the number of clean vehicles entering the used market, making them more affordable to more Hawaii residents; and demonstrate to our millions of tourists that Hawaii takes clean energy and sustainable transportation seriously.

Rental companies have been reluctant to increase their zero-emission vehicles because, as Enterprise testified a couple of years ago, their customers don't want them. This is changing, with rising EV adoption worldwide and a growing global awareness that gas-powered vehicles are huge contributors to our Climate Crisis. Still, rental companies need a push. This bill can provide that push.

Secondly, a zero-emission vehicle infrastructure special fund and a grant program would go far in creating the recharging infrastructure Hawaii needs so badly. Most EV owners have access to only Level 1 charging, i.e., a 120-volt wall socket.

Volvo found in 2019 that slow Level 1 charging is keeping people from buying EVs. Fifty-eight percent of consumers have avoided buying one because of "range anxiety" (fear one's battery won't last to the next charging station). It's the primary reason people aren't buying EVs. Too few charging stations is second, at 49% [1].

This bill addresses two major issues in EV adoption in Hawaii. It's a win-win.

Mahalo!

Katherine Kazlauskas

LATE

SB-996-SD-1

Submitted on: 2/26/2020 8:56:38 PM

Testimony for WAM on 2/27/2020 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Lynn Aaberg	Individual	Support	No

Comments:

Aloha, Senate Committee on Ways and Means,

I am in strong support of SB 996 SD!.

Because transportation emits more climate warming carbon emissions than anything else in Hawai'i, it is very important to pass this bill to stave of catastrophic global warming and show the world that Hawai'i can lead the way in the fight against climate collapse.

More and more people want EV's and introducing them to EV's through rentals in Hawai'i is a great way to get them started. People are more aware of EV's, and will want to rent them, and this encouragement for the rental companies is of utmost importance.

Also, the zero-emission vehicle infrastructure special fund and grant program is very important to creating the recharging infrastructure Hawai'i needs. I live on Hawai'i Island and can charge my car at home, but I'm anxious that I can't make the drive from North Kohala to Hilo, because on a recent trip, seven out of eight charging stations were out of order and in serious disrepair. A major reason that people won't invest in an EV is because there are too few charging stations.

This bill addresses two very important aspects of EV adoption. Please pass this bill.

Mahalo,

Lynn Aaberg

LATE

SB-996-SD-1

Submitted on: 2/26/2020 9:07:03 PM

Testimony for WAM on 2/27/2020 10:35:00 AM

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

Comments:

This bill is good for the environment. More zero-emission vehicles in rental car fleets would greatly reduce our emissions helping to meet Hawaii's goals.

SB-996-SD-1

Submitted on: 2/26/2020 9:12:55 PM

Testimony for WAM on 2/27/2020 10:35:00 AM

LATE

Submitted By	Organization	Testifier Position	Present at Hearing
tlaloc tokuda	Individual	Support	No

Comments:

To: The Senate Committee on Ways and Means

From: Tlaloc Tokuda

Date: Thursday, February 27, 2020, 10:35 am

In strong support of SB 996 SD1

Dear Chair Dela Cruz, and members:

As one of 350Hawaii.org's 6,000 members, I strongly support SB 996 SD1.

The transportation sector emits more greenhouse gas than any other sector of Hawaii's economy. Rental cars represent the largest passenger vehicle fleet in Hawaii, and are responsible for a significant amount of carbon emissions.

More zero-emission vehicles in rental car fleets would greatly reduce our emissions; increase the number of clean vehicles entering the used market, making them more affordable to more Hawaii residents; and demonstrate to our millions of tourists that Hawaii takes clean energy and sustainable transportation seriously.

Rental companies have been reluctant to increase their zero-emission vehicles because, as Enterprise testified a couple of years ago, their customers don't want them. This is changing, with rising EV adoption worldwide and a growing global awareness that gas-powered vehicles are huge contributors to our Climate Crisis. Still, rental companies need a push. This bill can provide that push.

Secondly, a zero-emission vehicle infrastructure special fund and a grant program would go far in creating the recharging infrastructure Hawaii needs so badly. Most EV owners have access to only Level 1 charging, i.e., a 120-volt wall socket.

Volvo found in 2019 that slow Level 1 charging is keeping people from buying EVs. Fifty-eight percent of consumers have avoided buying one because of "range anxiety" (fear one's battery won't last to the next charging station). It's the primary reason people

aren't buying EVs. Too few charging stations is second, at 49% [1]. The bill will need to have inter-island equity re charging stations.

This bill addresses two major issues in EV adoption in Hawaii. It's a win-win.

Tlaloc Tokuda

Kailua kona, 96740 HI

[1] <https://www.media.volvocars.com/us/en-us/media/pressreleases/248305/poll-finds-americans-feel-electric-vehicles-are-the-future-of-driving>

To: Chair Dela Cruz

Date: February 26, 2020

From: Karen M. Klmbrell, RN

LATE

In strong support of SB996 SD1

Dear Chair Dela Cruz and members:

With the huge volume of tourists in Hawaii, increasing the number of zero emission vehicles would have a significant impact upon our state's reliance upon fossil fuels. This would move us forward to our goal.

In addition, expanding our vehicle charging capabilities would promote the use of these zero emission vehicles for Hawaii residents and visitors.

We can't afford to wait any longer to institute as many measures as possible. The climate crisis is extremely serious and time-sensitive.

Thank you.

SB-996-SD-1

Submitted on: 2/26/2020 9:54:07 PM

Testimony for WAM on 2/27/2020 10:35:00 AM

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

Comments:

To: The Senate Committee on Ways and Means
From: Christian Palmer

Wednesday, February 26, 2020

In strong support of SB 996 SD1

Dear Chair Dela Cruz, and members:

I would like to write to say that I strongly support SB 996 SD1. Rental cars are a major component of traffic on the island and I support any initiative that reduces their impact on climate change. This bill encourages a larger amount of electric vehicles and supports creating the infrastructure for charging these vehicles. Ideally I think we need to develop a better bus system for visitors to the island to reduce the total number of cars on the island as well as reduce our carbon emissions but overall this bill is a move in the right direction.

Best,

Christian

SB-996-SD-1

Submitted on: 2/26/2020 10:09:09 PM

Testimony for WAM on 2/27/2020 10:35:00 AM

LATE

Submitted By	Organization	Testifier Position	Present at Hearing
phyllis fong	Individual	Support	No

Comments:

LATE

SB-996-SD-1

Submitted on: 2/26/2020 10:10:28 PM

Testimony for WAM on 2/27/2020 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Sherry Pollack	Individual	Support	No

Comments:

As one of 350Hawaii's 6,000 members, I strongly support SB996 SD1. The transportation sector emits more greenhouse gas than any other sector of Hawaii's economy. Rental cars represent the largest passenger vehicle fleet in Hawaii, and are responsible for a significant amount of carbon emissions. If we are going to leave our children a livable planet, we have got to stop allowing profit-motivated special interests from scuttling efforts towards policies that are needed to protect our future. We must begin accepting responsibility for the actions that contribute to climate breakdown and reverse this trend of high emissions in our transportation sector.

SB996 SD1 will help substantially decrease the carbon footprint of the visitor industry, in addition to facilitating clean vehicles entering the used car market, making them more affordable to Hawaii residents. These are the types of actions that we must begin to take in earnest if we are to avert climate catastrophe.

Scientists have warned us we have only about a decade to make significant reductions in our greenhouse gas emissions to avoid untold misery as a result of the effects of global warming. We must start now. This bill moves us in the right direction. We are in a Climate Crisis. It's time to act like it.

Thank you for this opportunity to testify.

LATE

SB-996-SD-1

Submitted on: 2/26/2020 11:33:31 PM

Testimony for WAM on 2/27/2020 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Ava Fedorov	Individual	Support	No

Comments:

In strong support of SB 996 SD1

Dear Chair Dela Cruz, and members:

As one of 350Hawaii.org's 6,000 members, I strongly support SB 996 SD1.

The transportation sector emits more greenhouse gas than any other sector of Hawaii's economy. Rental cars represent the largest passenger vehicle fleet in Hawaii, and are responsible for a significant amount of carbon emissions.

More zero-emission vehicles in rental car fleets would greatly reduce our emissions; increase the number of clean vehicles entering the used market, making them more affordable to more Hawaii residents; and demonstrate to our millions of tourists that Hawaii takes clean energy and sustainable transportation seriously.

Rental companies have been reluctant to increase their zero-emission vehicles because, as Enterprise testified a couple of years ago, their customers don't want them. This is changing, with rising EV adoption worldwide and a growing global awareness that gas-powered vehicles are huge contributors to our Climate Crisis. Still, rental companies need a push. This bill can provide that push.

Secondly, a zero-emission vehicle infrastructure special fund and a grant program would go far in creating the recharging infrastructure Hawaii needs so badly. Most EV owners have access to only Level 1 charging, i.e., a 120-volt wall socket.

Volvo found in 2019 that slow Level 1 charging is keeping people from buying EVs. Fifty-eight percent of consumers have avoided buying one because of "range anxiety" (fear one's battery won't last to the next charging station). It's the primary reason people aren't buying EVs. Too few charging stations is second, at 49% [1].

This bill addresses two major issues in EV adoption in Hawaii. It's a win-win.

Sincerely,

Ava Fedorov

SB-996-SD-1

Submitted on: 2/27/2020 5:03:38 AM

Testimony for WAM on 2/27/2020 10:35:00 AM

LATE

Submitted By	Organization	Testifier Position	Present at Hearing
Nanea Lo	Individual	Support	No

Comments:

Dear Chair Dela Cruz, and members:

As one of 350Hawaii.org's 6,000 members, I strongly support SB 996 SD1.

The transportation sector emits more greenhouse gas than any other sector of Hawaii's economy. Rental cars represent the largest passenger vehicle fleet in Hawaii, and are responsible for a significant amount of carbon emissions.

More zero-emission vehicles in rental car fleets would greatly reduce our emissions; increase the number of clean vehicles entering the used market, making them more affordable to more Hawaii residents; and demonstrate to our millions of tourists that Hawaii takes clean energy and sustainable transportation seriously.

Rental companies have been reluctant to increase their zero-emission vehicles because, as Enterprise testified a couple of years ago, their customers don't want them. This is changing, with rising EV adoption worldwide and a growing global awareness that gas-powered vehicles are huge contributors to our Climate Crisis. Still, rental companies need a push. This bill can provide that push.

Secondly, a zero-emission vehicle infrastructure special fund and a grant program would go far in creating the recharging infrastructure Hawaii needs so badly. Most EV owners have access to only Level 1 charging, i.e., a 120-volt wall socket.

Volvo found in 2019 that slow Level 1 charging is keeping people from buying EVs. Fifty-eight percent of consumers have avoided buying one because of "range anxiety" (fear one's battery won't last to the next charging station). It's the primary reason people aren't buying EVs. Too few charging stations is second, at 49% [1].

This bill addresses two major issues in EV adoption in Hawaii. It's a win-win.

me ke aloha 'Ä• ina,

Nanea Lo

SB-996-SD-1

Submitted on: 2/27/2020 6:39:22 AM

Testimony for WAM on 2/27/2020 10:35:00 AM



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

Comments:

TESTIMONY BEFORE SENATE COMMITTEE ON WAYS AND MEANS

SB996 SD1 Relating to Zero Emission Vehicles

Thursday, February 27, 2020 10:35 AM, Agenda Item #19 State Capitol, Conference Room 211

Dear Chair Dela Cruz, and members:

I support SB996 SD1.

Internal combustion engine vehicles are responsible for a significant amount of polluting emissions, fouling of soil and ground water, and reef degradation. The transportation sector emits more greenhouse gas than any other sector in Hawaii's economy.

The tourism industry must become a better actor in reducing waste, become more energy efficient, and less impactfull on natural resources. Rental Cars companies in the state represent the largest passenger vehicle fleet and are responsible for a significant amount of Green House Emissions.

Rental Car companies have been reluctant to add zero-emission vehicles to their fleets. There are many mid-priced zero-emission vehicles, from several manufactures, with ranges of 200-300 miles, available today! More zero-emission vehicles in rental car fleets would greatly reduce our transportation emissions; increase the number of clean vehicles entering the used market and make them more affordable to more Hawaii residents.

Rental companies have not acted on there own. This bill provides a requirement.

Moreover, the millions of tourists visiting Hawaii will see the state's commitment to clean energy and sustainable transportation.

Sincerely,

Keith Neal

98743

LATE

SB-996-SD-1

Submitted on: 2/27/2020 7:21:01 AM

Testimony for WAM on 2/27/2020 10:35:00 AM

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

Comments:

Please pass SB996.

Mahalo

LATE

SB-996-SD-1

Submitted on: 2/27/2020 8:04:35 AM

Testimony for WAM on 2/27/2020 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Gary Miller	Individual	Support	No

Comments:

I strongly support Bill SB996 SD1

As an owner of an electric vehicle, I believe that they are a wonderful way to protect the environment while quietly enjoying the beauty of Hawaii.

I feel that this bill will move the rental car industry to include more zero-emission vehicles in rental car fleets would greatly reduce our overall emissions; increase the number of clean vehicles entering the used market, making them more affordable to more Hawaii residents; and demonstrate to our millions of tourists that Hawaii takes clean energy and sustainable transportation seriously.

Thank you for your consideration of this important bill.

Gary Miller

SB-996-SD-1

Submitted on: 2/27/2020 8:29:28 AM

Testimony for WAM on 2/27/2020 10:35:00 AM

LATE

Submitted By	Organization	Testifier Position	Present at Hearing
Ruta Jordans	Individual	Support	No

Comments:

It is past time that rental cars stopped polluting Hawaii's air. The more electric vehicles available in the rental fleet, the cleaner our air and less greenhouse gases produced!

SB-996-SD-1

Submitted on: 2/27/2020 9:19:06 AM

Testimony for WAM on 2/27/2020 10:35:00 AM

LATE

Submitted By	Organization	Testifier Position	Present at Hearing
Fernando L Alvarado	Individual	Support	No

Comments:

Increasing penetration of EVs in Hawaii is good for Hawaii

LATE

SB-996-SD-1

Submitted on: 2/27/2020 10:16:40 AM
Testimony for WAM on 2/27/2020 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Paula Miller	Individual	Support	No

Comments:

I strongly support SB 996 SD1 as a way to demonstrate Hawaii's commitment to clean energy.

Rental car companies need a push in the right direction to increase their zero-emission vehicles. Time and again, various companies have denied that their customers have any interest in electric vehicles, then find themselves playing catch-up when the interest increases exponentially. Hawaii can be on the leading edge of adopting and promoting clean energy, while demonstrating to tourists the viability of a clean energy lifestyle.

The second major issue addressed by SB 996 SD1 is the need for a special fund and grant program to create the recharging infrastructure Hawaii needs so badly. Having the charging infrastructure in place will increase EV adoption in Hawaii by decreasing the range anxiety of potential purchasers of EVs.

Respectfully submitted,

Paula Miller

Ninole, HI