

MAR 06 2020

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# SENATE RESOLUTION

REQUESTING THE HAWAII CLIMATE CHANGE MITIGATION AND ADAPTATION COMMISSION TO CONVENE AN ELECTRIC VEHICLES TASK FORCE TO STUDY THE FEASIBILITY OF A COMPLETE TRANSITION TO ELECTRIC VEHICLES BY THE YEAR 2050.

1           WHEREAS, carbon dioxide is a greenhouse gas that retains  
2 heat that becomes trapped within the Earth's atmosphere, thereby  
3 raising global temperatures, contributing to rapidly melting  
4 glacial ice and raising sea levels; and  
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6           WHEREAS, according to the National Oceanic and Atmospheric  
7 Administration, the global average atmospheric carbon dioxide in  
8 2018 was 407.4 parts per million; and  
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10          WHEREAS, the last time that the atmospheric carbon dioxide  
11 amounts were at this level was more than three million years  
12 ago; and  
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14          WHEREAS, cars with internal combustion engines burn fossil  
15 fuels, thereby emitting carbon dioxide into the atmosphere; and  
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17          WHEREAS, according to the Environmental Protection Agency,  
18 transportation accounts for twenty-nine percent of total United  
19 States greenhouse gas emissions, making transportation the  
20 largest contributor of United States greenhouse gas emissions;  
21 and  
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23          WHEREAS, according to media reports, in the year 2018,  
24 there were 906,237 vehicles and trailers registered on Oahu,  
25 which is a dramatic increase from just fifty years ago, where  
26 there were only 321,947 vehicles and trailers registered on  
27 Oahu; and  
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29          WHEREAS, increased levels of carbon dioxide have  
30 contributed to global climate change; and  
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32          WHEREAS, as Hawaii is uniquely threatened by global climate  
33 change, effects of global climate change include, but are not



1 limited to, mass coral bleaching, eroding shorelines, and  
2 stronger hurricanes and storms; and

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4 WHEREAS, the cost of rebuilding and repairing after  
5 environmental catastrophes will run into the hundreds of  
6 millions, if not billions, of dollars; and

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8 WHEREAS, in response to the 2018 flooding of Kauai and  
9 Oahu, the State appropriated \$100 million and \$25 million,  
10 respectively, for relief efforts; and

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12 WHEREAS, a zero-emission vehicle is a vehicle that emits no  
13 carbon dioxide from its onboard source of power; and

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15 WHEREAS, in recent years, zero-emission vehicles have been  
16 rising in popularity, as an alternative to fossil fuel-powered  
17 vehicles; and

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19 WHEREAS, the State of California has enacted a Zero-  
20 Emission Vehicle Program, requiring auto manufacturers to offer  
21 for sale a select number of zero-emission cars, such as full  
22 battery-electric, hydrogen fuel cell, and plug-in hybrid-  
23 electric vehicles; and

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25 WHEREAS, zero-emission energy production is energy  
26 production that produces no carbon dioxide during its generation  
27 and dissemination to consumers; and

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29 WHEREAS, in recent years, various types of zero-emission  
30 energy production have been rising in popularity, such as wind  
31 and solar energy; and

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33 WHEREAS, according to the United States Energy Information  
34 Administration, in 2016, wind power generators accounted for  
35 eight percent of the total operating electric generating  
36 capacity in the nation; and

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38 WHEREAS, in the State of Hawaii, wind power generation  
39 produced six percent of all electricity produced; and

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1           WHEREAS, in 2017, solar power generation grew over forty-  
2 three percent to make up over 1.9 percent of all electricity  
3 generated in the United States; and  
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5           WHEREAS, in the State of Hawaii, solar power generation  
6 produced 11.8 percent of all electricity produced; now,  
7 therefore,  
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9           BE IT RESOLVED by the Senate of the Thirtieth Legislature  
10 of the State of Hawaii, Regular Session of 2020, that the Hawaii  
11 Climate Change Mitigation and Adaptation Commission is requested  
12 to convene an electric vehicle task force; and  
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14           BE IT FURTHER RESOLVED that the task force is requested to  
15 include the following:  
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- 17           (1) The co-chairpersons of the Hawaii Climate Change  
18 Mitigation and Adaptation Commission, or the co-  
19 chairpersons' designees, who shall serve as the co-  
20 chairpersons of the task force;  
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- 22           (2) The Director of the City and County of Honolulu Office  
23 of Climate Change, Sustainability, and Resiliency, or  
24 the Director's designee;  
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- 26           (3) The Director of the Office of Environmental Quality  
27 Control, or the Director's designee;  
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- 29           (4) The President of the Senate, or the President's  
30 designee;  
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- 32           (5) The Speaker of the House of Representatives, or the  
33 Speaker's designee;  
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- 35           (6) The Director of the Hawaii State Energy Office, or the  
36 Director's designee;  
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- 38           (7) The Chairman of Hawaiian Electric Company, Inc., or  
39 the Chairman's designee; and  
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- 41           (8) The President of the Hawaii Auto Dealers Association,  
42 or the President's designee; and



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BE IT FURTHER RESOLVED that an initial meeting of the task force be convened no later than July 1, 2020; and

BE IT FURTHER RESOLVED that the task force is requested to:

- (1) Perform a comparative study on the costs incurred for an average Hawaii family to switch from a fossil-fuel burning vehicle to a zero-emission vehicle;
- (2) Perform a comprehensive analysis on the current and future supply of zero-emission vehicles in the State; and
- (3) Determine the feasibility and cost impact of completing a transition from vehicles with internal combustion engines to zero-emission vehicles by the year 2050; and

BE IT FURTHER RESOLVED that the task force is requested to submit a report of its findings and recommendations, including any proposed legislation, to the Legislature no later than forty days prior to the convening of the Regular Session of 2021; and

BE IT FURTHER RESOLVED that the task force be dissolved on June 30, 2021; and

BE IT FURTHER RESOLVED that certified copies of this Resolution be transmitted to the Hawaii's congressional delegation; Administrator of the United States Environmental Protection Agency; Executive Directory of the United Nations Environment Programme; Governor; Director of the City and County of Honolulu Office of Climate Change, Sustainability, and Resiliency; Director of the Office of Environmental Quality Control; President of the Senate; Speaker of the House of Representatives; Director of the Hawaii State Energy Office; Chairman of Hawaiian Electric Company, Inc.; and President of the Hawaii Auto Dealers Association.

OFFERED BY:

*Kal Nhonoh*  
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*Allen O...*



*[Handwritten signature]*

*Rosely H Baker*  
*Lawrence R. Anney*

*[Handwritten signature]*

*Michelle Sudani*

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*Rosa E. P.*

*[Handwritten signature]*

*Breene Hunt*

