

JAN 22 2021

A BILL FOR AN ACT

RELATING TO STATE LIGHT DUTY VEHICLES.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. The legislature finds that the use of fossil
2 fuels is the State's primary contributor to greenhouse gas
3 emissions in the atmosphere. These emissions cause climate
4 change, which poses a serious threat to the State's economic
5 well-being, public health, infrastructure, and environment. The
6 State's dependence on fossil fuels also drains billions of
7 dollars each year from the economy, makes residents vulnerable
8 to the volatility of oil prices, and puts residents at increased
9 risk in the event of a natural disaster. Thus, Act 15, Session
10 Laws of Hawaii 2018, was enacted to establish a goal for the
11 State's economy to become carbon neutral by the year 2045.

12 The legislature further finds that the transportation
13 sector accounts for the use of over two-thirds of the oil
14 imported into the State. The legislature notes that electric
15 vehicles provide a viable, cost-effective alternative to
16 vehicles that run on fossil fuels for ground transportation.
17 The transition to an electric state-owned transportation fleet



1 will bring considerable cost savings because of lower costs to
2 operate and maintain these vehicles.

3 The purpose of this Act is to begin transitioning ground
4 transportation to be one hundred per cent zero-emission vehicles
5 in the State by establishing goals for the reduction and
6 ultimate elimination of the use of fossil fuels for ground
7 transportation, including a goal for the State to lead by
8 example by transitioning one hundred per cent of its light-duty
9 motor vehicles by 2030. This measure reflects the legislature's
10 recognition of the challenges of transitioning medium-duty and
11 heavy-duty motor vehicles and the resultant impacts on the
12 feasibility of completely eliminating the use of fossil fuels by
13 2030.

14 SECTION 2. Chapter 225P, Hawaii Revised Statutes, is
15 amended by adding a new section to be appropriately designated
16 and to read as follows:

17 "§225P- Climate change mitigation goal. It shall be the
18 goal of the State to reduce greenhouse gas emissions and build
19 energy efficiencies, including but not limited to attaining the
20 state clean ground transportation goal for all state fleet



1 light-duty vehicles to be one hundred per cent zero-emission
2 vehicles by December 31, 2030."

3 SECTION 3. Chapter 264, Hawaii Revised Statutes, is
4 amended by adding a new section to be appropriately designated
5 and to read as follows:

6 "§264- Clean ground transportation goal. All state
7 fleet light-duty motor vehicles shall be one hundred per cent
8 zero-emission vehicles by December 31, 2030."

9 SECTION 4. Section 103D-412, Hawaii Revised Statutes, is
10 amended to read as follows:

11 "§103D-412 Light-duty motor vehicle requirements. (a)
12 The procurement policy for all agencies purchasing or leasing
13 light-duty motor vehicles shall be to reduce dependence on
14 petroleum for transportation energy[-] and meet the clean ground
15 transportation goal that one hundred per cent of light-duty
16 motor vehicles of each fleet shall be zero-emission vehicles by
17 December 31, 2030.

18 (b) Beginning January 1, 2010, all state and county
19 entities, when purchasing new vehicles, shall seek vehicles with
20 reduced dependence on petroleum-based fuels that meet the needs
21 of the agency. Vehicles shall not be larger than necessary for



1 their intended functions. Priority for selecting vehicles shall
2 be as follows:

3 (1) Electric or plug-in hybrid electric vehicles and fuel
4 cell electric vehicles;

5 (2) Other alternative fuel vehicles;

6 (3) Hybrid electric vehicles; and

7 (4) Vehicles that are identified by the United States
8 Environmental Protection Agency in its annual "Fuel
9 Economy Leaders" report as being among the top
10 performers for fuel economy in their class.

11 (c) For the purposes of this section:

12 "Agency" means a state agency, office, or department.

13 "Alternative fuel" means alcohol fuels, mixtures containing
14 eighty-five per cent or more by volume of alcohols with gasoline
15 or other fuels, natural gas, liquefied petroleum gas, hydrogen,
16 biodiesel, mixtures containing twenty per cent or more by volume
17 of biodiesel with diesel or other fuels, other fuels derived
18 from biological materials, and electricity provided by off-board
19 energy sources.

20 "Covered fleet" has the same meaning as contained in 10
21 Code of Federal Regulations Part 490 Subpart C.



1 "Excluded vehicles" has the same meaning as provided in 10
2 Code of Federal Regulations section 490.3.

3 "Fuel cell electric vehicle" means a zero-emission electric
4 vehicle that uses a fuel cell to convert hydrogen gas and oxygen
5 into electricity that is used in a vehicle powertrain for
6 propulsion.

7 "Light-duty motor vehicle" has the same meaning as
8 contained in 10 Code of Federal Regulations Part 490, not
9 including any vehicle incapable of traveling on highways or any
10 vehicle with a gross vehicle weight rating greater than eight
11 thousand five hundred pounds.

12 "Zero-emission vehicle" means a battery electric vehicle, a
13 plug-in hybrid electric vehicle, or a hydrogen fuel cell
14 vehicle.

15 (d) Agencies may apply to the chief procurement officer
16 for exemptions from the requirements of this section to the
17 extent that the vehicles required by this section are not
18 available or do not meet the specific needs of the agency;
19 provided that life cycle vehicle and fuel costs may be included
20 in the determination of whether a particular vehicle meets the
21 needs of the agency. Estimates of future fuel costs shall be



1 based on projections from the United States Energy Information
2 Administration.

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

7 (f) Nothing in this section is intended to interfere with
8 the ability of a covered fleet to comply with the vehicle
9 purchase mandates required by 10 Code of Federal Regulations
10 Part 490 Subpart C."

11 SECTION 5. Section 196-9, Hawaii Revised Statutes, is
12 amended by amending subsection (c) to read as follows:

13 "(c) With regard to motor vehicles and transportation
14 fuel, each agency shall:

15 (1) Comply with Title 10, Code of Federal Regulations,
16 Part 490, Subpart C, "Mandatory State Fleet Program",
17 if applicable;

18 (2) Comply with all applicable state laws regarding
19 vehicle purchases;

20 (3) Once federal and state vehicle purchase mandates have
21 been satisfied, purchase the most fuel-efficient



- 1 vehicles that meet the needs of their programs;
2 provided that life cycle cost-benefit analysis of
3 vehicle purchases shall include projected fuel costs;
- 4 (4) Purchase alternative fuels and ethanol blended
5 gasoline when available;
- 6 (5) Evaluate a purchase preference for biodiesel blends,
7 as applicable to agencies with diesel fuel purchases;
- 8 (6) Promote efficient operation of vehicles;
- 9 (7) Use the most appropriate minimum octane fuel; provided
10 that vehicles shall use 87-octane fuel unless the
11 owner's manual for the vehicle states otherwise or the
12 engine experiences knocking or pinging;
- 13 (8) Beginning with fiscal year 2005-2006 as the baseline,
14 collect and maintain, for the life of each vehicle
15 acquired, the following data:
- 16 (A) Vehicle acquisition cost;
- 17 (B) United States Environmental Protection Agency
18 rated fuel economy;
- 19 (C) Vehicle fuel configuration, such as gasoline,
20 diesel, flex-fuel gasoline/E85, and dedicated
21 propane;



- 1 (D) Actual in-use vehicle mileage;
- 2 (E) Actual in-use vehicle fuel consumption; and
- 3 (F) Actual in-use annual average vehicle fuel
- 4 economy; [~~and~~]
- 5 (9) Beginning with fiscal year 2005-2006 as the baseline
- 6 with respect to each agency that operates a fleet of
- 7 thirty or more vehicles, collect and maintain, in
- 8 addition to the data in paragraph (8), the following:
- 9 (A) Information on the vehicles in the fleet,
- 10 including vehicle year, make, model, gross
- 11 vehicle weight rating, and vehicle fuel
- 12 configuration;
- 13 (B) Fleet fuel usage, by fuel;
- 14 (C) Fleet mileage; and
- 15 (D) Overall annual average fleet fuel economy and
- 16 average miles per gallon of gasoline and
- 17 diesel [~~-~~]; and
- 18 (10) Plan and coordinate vehicles acquisition to meet the
- 19 clean ground transportation goal that one hundred per
- 20 cent of light-duty motor vehicles of each fleet shall
- 21 be zero-emission vehicles by December 31, 2030."



1 SECTION 6. Section 196-42, Hawaii Revised Statutes, is
2 amended to read as follows:

3 "§196-42 State support for achieving alternate fuels
4 standards[-] and clean ground transportation goals. (a) The
5 State shall facilitate the development of alternate fuels and
6 support the attainment of a statewide alternate fuels standard
7 of ten per cent of highway fuel demand to be provided by
8 alternate fuels by 2010, fifteen per cent by 2015, twenty per
9 cent by 2020, and thirty per cent by 2030. For purposes of the
10 alternate fuels standard, ethanol produced from cellulosic
11 materials shall be considered the equivalent of two and one-half
12 gallons of noncellulosic ethanol. "Alternate fuels" shall have
13 the same meaning as contained in 10 Code of Federal Regulations
14 Part 490; provided that it shall also include liquid or gaseous
15 fuels produced from renewable feedstocks such as organic wastes,
16 or from water using electricity from renewable energy sources.
17 (b) The State shall support the attainment of the clean
18 ground transportation goals established by sections 225P- and
19 264- ."

20 SECTION 7. Statutory material to be repealed is bracketed
21 and stricken. New statutory material is underscored.

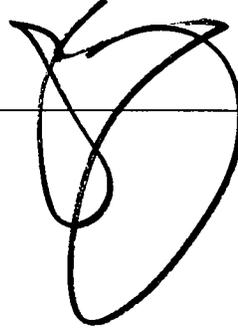


S.B. NO. 920

1 SECTION 8. This Act shall take effect upon its approval.

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INTRODUCED BY: _____

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S.B. NO. 920

Report Title:

Clean Ground Transportation Goals; Fleet Procurement

Description:

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.

The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.

