
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 "Plug-in hybrid electric vehicle" means a vehicle with both
13 an electric motor and a gasoline engine whose battery can be
14 recharged by plugging it into an external source of electric
15 power, as well as by its on-board engine and generator.

16 "Zero-emission vehicle" means a battery electric vehicle or
17 a hydrogen fuel cell vehicle.

18 (d) Agencies may apply to the chief procurement officer
19 for exemptions from the requirements of this section to the
20 extent that the vehicles required by this section are not
21 available or do not meet the specific needs of the agency;



1 provided that life cycle vehicle and fuel costs may be included
2 in the determination of whether a particular vehicle meets the
3 needs of the agency. Estimates of future fuel costs shall be
4 based on projections from the United States Energy Information
5 Administration.

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

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

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

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

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



- 1 (2) Comply with all applicable state laws regarding
2 vehicle purchases;
- 3 (3) Once federal and state vehicle purchase mandates have
4 been satisfied, purchase the most fuel-efficient
5 vehicles that meet the needs of their programs;
6 provided that life cycle cost-benefit analysis of
7 vehicle purchases shall include projected fuel costs;
- 8 (4) Purchase alternative fuels and ethanol blended
9 gasoline when available;
- 10 (5) Evaluate a purchase preference for biodiesel blends,
11 as applicable to agencies with diesel fuel purchases;
- 12 (6) Promote efficient operation of vehicles;
- 13 (7) Use the most appropriate minimum octane fuel; provided
14 that vehicles shall use 87-octane fuel unless the
15 owner's manual for the vehicle states otherwise or the
16 engine experiences knocking or pinging;
- 17 (8) Beginning with fiscal year 2005-2006 as the baseline,
18 collect and maintain, for the life of each vehicle
19 acquired, the following data:
- 20 (A) Vehicle acquisition cost;



- 1 (B) United States Environmental Protection Agency
- 2 rated fuel economy;
- 3 (C) Vehicle fuel configuration, such as gasoline,
- 4 diesel, flex-fuel gasoline/E85, and dedicated
- 5 propane;
- 6 (D) Actual in-use vehicle mileage;
- 7 (E) Actual in-use vehicle fuel consumption; and
- 8 (F) Actual in-use annual average vehicle fuel
- 9 economy; [~~and~~]
- 10 (9) Beginning with fiscal year 2005-2006 as the baseline
- 11 with respect to each agency that operates a fleet of
- 12 thirty or more vehicles, collect and maintain, in
- 13 addition to the data in paragraph (8), the following:
- 14 (A) Information on the vehicles in the fleet,
- 15 including vehicle year, make, model, gross
- 16 vehicle weight rating, and vehicle fuel
- 17 configuration;
- 18 (B) Fleet fuel usage, by fuel;
- 19 (C) Fleet mileage; [~~and~~]



1 (D) Overall annual average fleet fuel economy and
2 average miles per gallon of gasoline and
3 diesel [-]; and

4 (10) Plan and coordinate vehicle acquisition to meet the
5 clean ground transportation goal that one hundred per
6 cent of light-duty motor vehicles of each fleet shall
7 be zero-emission vehicles by December 31, 2030."

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

10 **"§196-42 State support for achieving alternate fuels**
11 **standards[-] and clean ground transportation goals. (a) The**
12 State shall facilitate the development of alternate fuels and
13 support the attainment of a statewide alternate fuels standard
14 of ten per cent of highway fuel demand to be provided by
15 alternate fuels by 2010, fifteen per cent by 2015, twenty per
16 cent by 2020, and thirty per cent by 2030. For purposes of the
17 alternate fuels standard, ethanol produced from cellulosic
18 materials shall be considered the equivalent of two and one-half
19 gallons of noncellulosic ethanol. "Alternate fuels" shall have
20 the same meaning as contained in 10 Code of Federal Regulations
21 Part 490; provided that it shall also include liquid or gaseous



1 fuels produced from renewable feedstocks such as organic wastes,
2 or from water using electricity from renewable energy sources.

3 (b) The State shall support the attainment of the clean
4 ground transportation goals established by sections 225P- and
5 264- ."

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

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



S.B. NO. 920
S.D. 1

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. (SD1)

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