
A BILL FOR AN ACT

RELATING TO STATE LIGHT DUTY VEHICLES.

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

1 PART I

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

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



1 For state-owned transportation fleets, the transition to
2 electric vehicles will bring with it considerable cost savings
3 because of lower costs to operate and maintain these vehicles.
4 With the impacts of the COVID-19 pandemic on the state budget,
5 it is imperative that the State take advantage of all
6 opportunities for savings, and the electrification of state
7 fleets to the extent possible is one of these opportunities.

8 The purpose of this part is to facilitate the transition to
9 one hundred per cent clean ground transportation in the State by
10 establishing a goal for the State to lead by example by:

- 11 (1) Establishing a procurement policy prioritizing certain
12 types of medium- and heavy-duty motor vehicles for
13 purchase by state agencies; and
- 14 (2) Establishing a goal to transition all state-owned,
15 light duty vehicles to be zero-emission vehicles by
16 2035 and tasking the department of transportation and
17 the Hawaii state energy office with developing
18 strategies to further this goal.

19 SECTION 2. Chapter 103D, Hawaii Revised Statutes, is
20 amended by adding a new section to be appropriately designated
21 and to read as follows:



1 "§103D- Other motor vehicle requirements. (a) The
2 procurement policy for all agencies purchasing or leasing
3 medium- and heavy-duty motor vehicles shall be to seek vehicles
4 that reduce dependence on petroleum-based fuels that meet the
5 needs of the agency.

6 Priorities for selecting vehicles for lease or purchase
7 shall be as follows:

- 8 (1) Zero emission vehicles;
- 9 (2) Plug-in hybrid electric vehicles;
- 10 (3) Alternative fuel vehicles; and
- 11 (4) Hybrid vehicles.

12 (b) Vehicles shall not be larger than necessary for their
13 intended functions."

14 SECTION 3. 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. (a) It shall be
18 the goal of the State to reduce emissions that cause climate
19 change and build energy efficiencies across all sectors,
20 including decarbonizing the transportation sector.



1 (b) State agencies shall manage their fleets to achieve
2 the clean ground transportation goals defined in
3 section 196-9(c)(10) and decarbonization goals established
4 pursuant to chapter 225P."

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

8 "**§264- Clean ground transportation goal.** The
9 department of transportation, in collaboration with the Hawaii
10 state energy office, shall develop strategies to transition all
11 light-duty motor vehicles in the State's fleets to meet the
12 clean ground transportation goal established pursuant to
13 section 196-9(c)(10)."

14 SECTION 5. Section 103D-412, Hawaii Revised Statutes, is
15 amended to read as follows:

16 "**§103D-412 Light-duty motor vehicle requirements.** (a)
17 The procurement policy for all agencies purchasing or leasing
18 light-duty motor vehicles shall be to reduce dependence on
19 petroleum for transportation energy.

20 (b) [~~Beginning January 1, 2010,~~] The procurement policy
21 for all [~~state and county entities, when~~] agencies purchasing or



1 leasing new vehicles~~[7]~~ shall be to seek vehicles with reduced
2 dependence on petroleum-based fuels that meet the needs of the
3 agency. Priority for selecting vehicles shall be as follows:

4 (1) ~~[Electric or plug-in hybrid electric vehicles and fuel~~
5 ~~cell electric vehicles;]~~ Zero-emission vehicles;

6 (2) ~~[Other alternative fuel]~~ Plug-in hybrid electric
7 vehicles;

8 (3) ~~[Hybrid electric]~~ Alternative fuel vehicles; and

9 (4) ~~[Vehicles that are identified by the United States~~
10 ~~Environmental Protection Agency in its annual "Fuel~~
11 ~~Economy Leaders" report as being among the top~~
12 ~~performers for fuel economy in their class.]~~ Hybrid
13 electric vehicles.

14 (c) Vehicles shall not be larger than necessary for their
15 intended functions.

16 ~~[(e)]~~ (d) For the purposes of this section:

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

18 "Alternative fuel" ~~[means alcohol fuels, mixtures~~
19 ~~containing eighty-five per cent or more by volume of alcohols~~
20 ~~with gasoline or other fuels, natural gas, liquefied petroleum~~
21 ~~gas, hydrogen, biodiesel, mixtures containing twenty per cent or~~



1 ~~more by volume of biodiesel with diesel or other fuels, other~~
2 ~~fuels derived from biological materials, and electricity~~
3 ~~provided by off-board energy sources.]~~ shall have the same
4 meaning as contained in title 10 Code of Federal Regulations
5 part 490; provided that "alternative fuel" includes liquid or
6 gaseous fuels produced from renewable feedstocks, such as
7 organic wastes, or from water using electricity from renewable
8 energy sources.

9 "Alternative fuel vehicle" shall have the same meaning as
10 contained in title 10 Code of Federal Regulations part 490.

11 "Covered fleet" [~~has~~] shall have the same meaning as
12 contained in title 10 Code of Federal Regulations [~~Part~~]
13 part 490 [~~Subpart~~] subpart C.

14 "Excluded vehicles" [~~has~~] shall have the same meaning as
15 [~~provided~~] contained in title 10 Code of Federal Regulations
16 section 490.3.

17 "Fuel cell electric vehicle" means a zero-emission electric
18 vehicle that uses a fuel cell to convert hydrogen gas and oxygen
19 into electricity that is used in a vehicle powertrain for
20 propulsion.



1 "Hybrid electric vehicle" shall have the same meaning as
2 contained in title 40 Code of Federal Regulations
3 section 86.1803-01.

4 "Light-duty motor vehicle" [~~has~~] shall have the same
5 meaning as contained in title 10 Code of Federal Regulations
6 [Part] part 490 [~~, not including any vehicle incapable of~~
7 ~~traveling on highways or any vehicle with a gross vehicle weight~~
8 ~~rating greater than eight thousand five hundred pounds)].~~

9 "Plug-in hybrid electric vehicle" shall have the same
10 meaning as contained in title 40 Code of Federal Regulations
11 part 86.1803-01.

12 "Zero-emission vehicle" shall have the same meaning as
13 contained in title 40 Code of Federal Regulations
14 section 88.102-94.

15 [~~(d)~~] (e) Agencies may apply to the chief procurement
16 officer for exemptions from the requirements of this section to
17 the 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)]~~ (f) 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 under
7 section 196-9(c)(10).

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

12 SECTION 6. Section 196-9, Hawaii Revised Statutes, is
13 amended by amending subsection (c) to read as follows:

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

16 (1) Comply with ~~[Title]~~ title 10~~[-]~~ Code of Federal
17 Regulations~~[-, Part]~~ part 490, ~~[Subpart]~~ subpart C,
18 "Mandatory State Fleet Program", if applicable;

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



- 1 (3) Once federal and state vehicle purchase mandates have
2 been satisfied, purchase the most fuel-efficient
3 vehicles that meet the needs of their programs;
4 provided that life cycle cost-benefit analysis of
5 vehicle purchases shall include projected fuel costs;
- 6 (4) Purchase alternative fuels and ethanol blended
7 gasoline when available;
- 8 (5) Evaluate a purchase preference for biodiesel blends,
9 as applicable to agencies with diesel fuel purchases;
- 10 (6) Promote efficient operation of vehicles[+], including
11 efficient planning of charging station locations and
12 efficient utilization of renewable energy for charging
13 electric vehicles;
- 14 (7) Use the most appropriate minimum octane fuel; provided
15 that vehicles shall use 87-octane fuel unless the
16 owner's manual for the vehicle states otherwise or the
17 engine experiences knocking or pinging;
- 18 (8) Beginning with fiscal year 2005-2006 as the baseline,
19 collect and maintain, for the life of each vehicle
20 acquired, the following data:
21 (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 (G) Hourly charging data by electric vehicle and
- 11 electric vehicle charger;
- 12 (9) Beginning with fiscal year 2005-2006 as the baseline
- 13 with respect to each agency that operates a fleet of
- 14 thirty or more vehicles, collect and maintain, in
- 15 addition to the data in paragraph (8), the following:
- 16 (A) Information on the vehicles in the fleet,
- 17 including vehicle year, make, model, gross
- 18 vehicle weight rating, and vehicle fuel
- 19 configuration;
- 20 (B) Fleet fuel usage, by fuel;
- 21 (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 (E) Hourly charging data by electric vehicle and
5 electric vehicle charger; and

6 (10) Plan and coordinate vehicle acquisition to meet the
7 following clean ground transportation goals:

8 (A) One hundred per cent of light-duty passenger cars
9 in the State's fleet shall be zero-emission
10 vehicles by December 31, 2030; and

11 (B) One hundred per cent of light-duty motor vehicles
12 in the State's fleet shall be zero-emission
13 vehicles by December 31, 2035.

14 For the purposes of this subsection:

15 "Light-duty motor vehicle" shall have the same meaning as
16 contained in title 10 Code Federal Regulations part 490.

17 "Passenger car" shall have the same meaning as contained in
18 title 49 Code of Federal Regulations section 571.3.

19 "Zero-emission vehicle" shall have the same meaning as
20 contained in title 40 Code of Federal Regulations
21 section 88.102-94."



1 SECTION 7. 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,
9 twenty per cent by 2020, and thirty per cent by 2030. For
10 purposes of the alternate fuels standard, ethanol produced from
11 cellulosic materials shall be considered the equivalent of two
12 and one-half gallons of noncellulosic ethanol. "Alternate
13 fuels" shall have the same meaning as contained in title 10 Code
14 of Federal Regulations [Part] part 490; provided that it shall
15 also include liquid or gaseous fuels produced from renewable
16 feedstocks such as organic wastes, or from water using
17 electricity from renewable energy sources.

18 (b) The State shall support the attainment of the clean
19 ground transportation target established pursuant to
20 section 196-9(c)(10)."



1 PART II

2 SECTION 8. Section 26-6, Hawaii Revised Statutes, is
3 amended by amending subsection (b) to read as follows:

4 "(b) The department shall:

5 (1) Preaudit and conduct after-the-fact audits of the
6 financial accounts of all state departments to
7 determine the legality of expenditures and the
8 accuracy of accounts;

9 (2) Report to the governor and to each regular session of
10 the legislature as to the finances of each department
11 of the State;

12 (3) Administer the state risk management program;

13 (4) Establish and manage motor pools;

14 (5) Manage the preservation and disposal of all records of
15 the State;

16 (6) Undertake the program of centralized engineering and
17 office leasing services, including operation and
18 maintenance and lease buyback processing pursuant to
19 subsection (d) of public buildings, for departments of
20 the State;

21 (7) Undertake the functions of the state surveyor;



- 1 (8) Establish accounting and internal control systems;
- 2 (9) Under the direction of the chief information officer,
3 provide centralized computer information management
4 and processing services;
- 5 (10) Establish a program to provide a means for public
6 access to public information and develop an
7 information network for state government; ~~and~~
- 8 (11) Assume administrative responsibility for the office of
9 information practices~~[-]~~; and
- 10 (12) Approve state fleet acquisitions; provided that:
- 11 (A) Beginning January 1, 2022, all new light-duty
12 passenger cars purchased for the State's fleet
13 shall be zero-emission vehicles;
- 14 (B) Beginning as soon as practicable but no later
15 than January 1, 2030, all new light-duty
16 multipurpose passenger vehicles and trucks for
17 the State's fleet shall be zero-emission
18 vehicles; and
- 19 (C) The comptroller may authorize an exemption for
20 new fleet vehicle purchases if zero-emission
21 vehicles are demonstrated to be cost-prohibitive



1 for the construction of new roads, state and county agencies
2 shall purchase building materials for the project that reduce
3 the carbon footprint of the project, where the purchase of such
4 building materials is feasible and cost-effective."

5 PART IV

6 SECTION 10. Statutory material to be repealed is bracketed
7 and stricken. New statutory material is underscored.

8 SECTION 11. This Act shall take effect on July 1, 2050.



Report Title:

Clean Ground Transportation Goals; Fleet Procurement; Carbon Footprint Reduction

Description:

Part I: Prioritizes the purchases of certain medium- and heavy-duty motor vehicles by state agencies. 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, 2035. Part II: Authorizes the department of accounting and general services to approve state fleet acquisitions, including zero emission vehicle requirements for light-duty passenger cars and light-duty multipurpose passenger vehicles and trucks and allowance for exemptions. Part III: Requires state and county agencies to purchase building materials for the project that reduce the carbon footprint of the project whenever feasible and cost-effective. Effective 7/1/2050. (HD2)

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