
A BILL FOR AN ACT

RELATING TO THE ENVIRONMENT.

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 the economy of
7 billions of dollars each year, makes residents vulnerable to the
8 volatility of oil prices, and puts residents at increased risk
9 in the event of a natural disaster. Thus, Act 15, Session Laws
10 of Hawaii 2018, was enacted to establish a goal for the State's
11 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, for ground
15 transportation, electric vehicles provide a viable, cost-
16 effective alternative to vehicles that run on fossil fuels. For
17 state-owned transportation fleets, the transition to electric



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

3 The purpose of this Act is to begin the transition to one
4 hundred per cent clean ground transportation in the State by
5 establishing goals for the reduction and ultimate elimination of
6 the use of fossil fuels for ground transportation by 2045,
7 including a goal for the State to lead by example by
8 transitioning one hundred per cent of its light-duty motor
9 vehicles by 2035. The legislature recognizes the challenges of
10 transitioning medium- and heavy-duty motor vehicles and the
11 resultant impacts on the feasibility of completely eliminating
12 the use of fossil fuels. This Act intends to establish a goal
13 to help drive future clean transportation policies regardless of
14 whether the transition is completed by 2045.

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

18 "§103D- Other motor vehicle requirements. (a) The
19 procurement policy for all agencies purchasing or leasing
20 medium- and heavy-duty motor vehicles shall be to seek vehicles



1 that reduce dependence on petroleum-based fuels that meet the
2 needs of the agency, where feasible and cost-effective.

3 Priorities for selecting vehicles for lease or purchase
4 shall be as follows:

5 (1) Electric or plug-in hybrid electric vehicles and fuel
6 cell electric vehicles;

7 (2) Other alternative fuel vehicles;

8 (3) Hybrid electric 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.

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

15 SECTION 3. Chapter 225P, Hawaii Revised Statutes, is
16 amended by adding a new section to be appropriately designated
17 and to read as follows:

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



1 to attain a goal of one hundred per cent of light duty vehicles
2 powered by renewable energy sources by December 31, 2045, and,
3 for state-owned vehicles, by December 31, 2035."

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

7 "§264- Clean ground transportation goal. The
8 department of transportation, in collaboration with the Hawaii
9 state energy office, shall develop strategies to transition all
10 light-duty motor vehicles, public and private, in the State to
11 meet the clean ground transportation goal of being one hundred
12 per cent powered by renewable sources by December 31, 2045, and
13 the state fleet by December 1, 2035."

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

16 1. By amending subsections (a) and (b) to read:

17 "(a) The procurement policy for all agencies purchasing or
18 leasing light-duty motor vehicles shall be to reduce dependence
19 on petroleum for transportation energy[-] and meet the following
20 clean ground transportation goals:



1 (1) Thirty per cent of light-duty motor vehicles of each
2 fleet shall be powered by renewable sources by
3 December 31, 2025;

4 (2) Sixty per cent of light-duty motor vehicles of each
5 fleet shall be powered by renewable sources by
6 December 31, 2030; and

7 (3) One hundred per cent of light-duty motor vehicles of
8 each fleet shall be powered by renewable sources by
9 December 31, 2035.

10 (b) Beginning January 1, 2010, all state and county
11 entities, when purchasing new vehicles, shall seek vehicles with
12 reduced dependence on petroleum-based fuels that meet the needs
13 of the agency. Priority for selecting vehicles shall be as
14 follows:

15 (1) Electric or plug-in hybrid electric vehicles and fuel
16 cell electric vehicles;

17 (2) Other alternative fuel vehicles;

18 (3) Hybrid electric vehicles; [~~and~~]

19 (4) Vehicles that are identified by the United States
20 Environmental Protection Agency in its annual "Fuel



1 Economy Leaders" report as being among the top
2 performers for fuel economy in their class[-]; and
3 (5) Vehicles not larger than necessary for their intended
4 functions."

5 2. By amending subsection (e) to read:

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

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

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

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

19 (3) Once federal and state vehicle purchase mandates have
20 been satisfied, purchase the most fuel-efficient
21 vehicles that meet the needs of their programs;



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



- 1 (E) Actual in-use vehicle fuel consumption; and
- 2 (F) Actual in-use annual average vehicle fuel
- 3 economy; [~~and~~]
- 4 (9) Beginning with fiscal year 2005-2006 as the baseline
- 5 with respect to each agency that operates a fleet of
- 6 thirty or more vehicles, collect and maintain, in
- 7 addition to the data in paragraph (8), the following:
- 8 (A) Information on the vehicles in the fleet,
- 9 including vehicle year, make, model, gross
- 10 vehicle weight rating, and vehicle fuel
- 11 configuration;
- 12 (B) Fleet fuel usage, by fuel;
- 13 (C) Fleet mileage; and
- 14 (D) Overall annual average fleet fuel economy and
- 15 average miles per gallon of gasoline and
- 16 diesel [~~-~~]; and
- 17 (10) Plan and coordinate vehicle acquisition to meet the
- 18 following clean ground transportation goals:
- 19 (A) Thirty per cent of light-duty motor vehicles of
- 20 each fleet shall be powered by renewable sources
- 21 by December 31, 2025;



1 (B) Sixty per cent of light-duty motor vehicles of
2 each fleet shall be powered by renewable sources
3 by December 31, 2030; and

4 (C) One hundred per cent of light-duty motor vehicles
5 of each fleet shall be powered by renewable
6 sources by December 31, 2035."

7 SECTION 7. Section 196-42, Hawaii Revised Statutes, is
8 amended to read as follows:

9 "**§196-42 State support for achieving alternate fuels**
10 **standards[-] and clean ground transportation goals.** (a) The
11 State shall facilitate the development of alternate fuels and
12 support the attainment of a statewide alternate fuels standard
13 of ten per cent of highway fuel demand to be provided by
14 alternate fuels by 2010, fifteen per cent by 2015, twenty per
15 cent by 2020, and thirty per cent by 2030. For purposes of the
16 alternate fuels standard, ethanol produced from cellulosic
17 materials shall be considered the equivalent of two and one-half
18 gallons of noncellulosic ethanol. "Alternate fuels" shall have
19 the same meaning as contained in 10 Code of Federal Regulations
20 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 8. Statutory material to be repealed is bracketed
7 and stricken. New statutory material is underscored.

8 SECTION 9. This Act shall take effect on July 1, 2050.



Report Title:

Clean Ground Transportation Goals; Fleet Procurement

Description:

Establishes clean ground transportation goals for state agencies on a staggered basis until achieving a 100 per cent light-duty motor vehicle clean fleet by 12/31/2035, and for all light-duty motor vehicles in the State by 12/31/2045. Effective 7/1/2050.
(HD2)

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