
A BILL FOR AN ACT

RELATING TO TRANSPORTATION.

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. These emissions cause climate change, which poses a
4 serious threat to the State's economic well-being, public
5 health, infrastructure, and environment. The State's dependence
6 on fossil fuels also drains the economy of billions of dollars
7 each year, makes residents vulnerable to the volatility of oil
8 prices, and puts residents at increased risk in the event of a
9 natural disaster.

10 The legislature further finds that electric vehicles will
11 play an integral role in Hawaii's clean energy future and in
12 meeting the goals set for the State in reducing its greenhouse
13 gas emissions. Moreover, the transition to renewable energy
14 sources for electricity will reduce costs of electric vehicle
15 transportation below those for gasoline-powered vehicles.
16 Finally, electric vehicles benefit air quality by eliminating
17 the emissions from combustion of gasoline or diesel fuel.



1 The legislature additionally finds that the transportation
2 sector accounts for the use of over two-thirds of the oil
3 imported into the State. The legislature notes that, for ground
4 transportation, electric vehicles provide a viable and cost-
5 effective alternative to vehicles that run on fossil fuels. For
6 state-owned transportation fleets, the transition to electric
7 vehicles will bring with it considerable cost savings because of
8 lower costs to operate and maintain these vehicles.

9 Considerable attention has been put on goals for state
10 light duty passenger vehicle for conversion to zero emissions,
11 however a large emitter of carbon is fossil fueled non-road
12 vehicles used in industrial, commercial uses especially for
13 airport and marine purposes.

14 The purpose of this Act is to facilitate the transition to
15 zero emissions transportation in the State by establishing a
16 goal to transition all state-owned, non-road vehicles to be
17 zero-emission vehicles by the end of 2045.

18 SECTION 2. Section 196-9, Hawaii Revised Statutes, is
19 amended by amending subsection (c) to read as follows:

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



- 1 (1) Comply with title 10 Code of Federal Regulations part
2 490, subpart C, "Mandatory State Fleet Program", if
3 applicable;
- 4 (2) Comply with all applicable state laws regarding
5 vehicle purchases;
- 6 (3) Once federal and state vehicle purchase mandates have
7 been satisfied, purchase the most fuel-efficient
8 vehicles that meet the needs of their programs;
9 provided that the life cycle cost-benefit analysis of
10 vehicle purchases shall include projected fuel costs;
- 11 (4) Purchase alternative fuels and ethanol blended
12 gasoline when available;
- 13 (5) Evaluate a purchase preference for biodiesel blends,
14 as applicable to agencies with diesel fuel purchases;
- 15 (6) Promote efficient operation of vehicles, including
16 efficient planning of charging system locations and
17 efficient utilization of renewable energy for charging
18 electric vehicles;
- 19 (7) Use the most appropriate minimum octane fuel; provided
20 that vehicles shall use 87-octane fuel unless the



1 owner's manual for the vehicle states otherwise or the
2 engine experiences knocking or pinging;
3 (8) Beginning with fiscal year 2005-2006 as the baseline,
4 collect and maintain, for the life of each vehicle
5 acquired, the following data:
6 (A) Vehicle acquisition cost;
7 (B) United States Environmental Protection Agency
8 rated fuel economy;
9 (C) Vehicle fuel configuration, such as gasoline,
10 diesel, flex-fuel gasoline/E85, and dedicated
11 propane;
12 (D) Actual in-use vehicle mileage;
13 (E) Actual in-use vehicle fuel consumption;
14 (F) Actual in-use annual average vehicle fuel
15 economy; and
16 (G) Hourly charging data by electric vehicle and
17 electric vehicle charging system;
18 (9) Beginning with fiscal year 2005-2006 as the baseline
19 with respect to each agency that operates a fleet of
20 thirty or more vehicles, collect and maintain, in
21 addition to the data in paragraph (8), the following:



- 1 (A) Information on the vehicles in the fleet,
- 2 including vehicle year, make, model, gross
- 3 vehicle weight rating, and vehicle fuel
- 4 configuration;
- 5 (B) Fleet fuel usage, by fuel;
- 6 (C) Fleet mileage;
- 7 (D) Overall annual average fleet fuel economy and
- 8 average miles per gallon of gasoline and diesel;
- 9 and
- 10 (E) Hourly charging data by electric vehicle and
- 11 electric vehicle charging system;
- 12 (10) Adopt a preference for the rental of electric vehicles
- 13 or hybrid vehicles; provided that:
- 14 (A) All agencies, when renting a vehicle on behalf of
- 15 a state employee in the discharge of official
- 16 government business, shall rent a vehicle of one
- 17 of the following types, listed in order of
- 18 preference:
- 19 (i) Electric vehicle; or
- 20 (ii) Hybrid vehicle;



1 provided further that the vehicle is available
2 and suitable for the specific travel
3 requirements;

4 (B) The agency may rent a conventional vehicle only
5 if:

6 (i) An electric vehicle or hybrid vehicle is not
7 suitable; or

8 (ii) Neither an electric vehicle nor a hybrid
9 vehicle is available;

10 (C) An agency shall exercise the policy preference
11 for rental of an electric vehicle or hybrid
12 vehicle notwithstanding the potential higher cost
13 associated with renting an electric vehicle or
14 hybrid vehicle; provided that the rental rate for
15 the electric vehicle or hybrid vehicle is
16 comparable to that of a conventional vehicle of
17 similar class; provided further that the cost
18 premium is consistent with any budgetary
19 constraints and not contradicted by an existing
20 state contract with the rental business entity
21 from which the vehicle is rented; and



- 1 (D) To the extent practicable, all agencies shall
2 rent a vehicle pursuant to subparagraph (A) from
3 a rental contractor; and
- 4 [+](11)[+] Plan and coordinate vehicle acquisition to meet
5 the following clean ground transportation goals:
- 6 (A) One hundred per cent of light-duty motor vehicles
7 that are passenger cars in the State's fleet
8 shall be zero-emission vehicles by December 31,
9 2030; [~~and~~]
- 10 (B) One hundred per cent of light-duty motor vehicles
11 in the State's fleet shall be zero-emission
12 vehicles by December 31, 2035[~~;~~];
- 13 (C) Twenty-five per cent of non-road vehicles in the
14 State's fleet shall be zero emission vehicles by
15 December 31, 2030;
- 16 (D) Fifty per cent of non-road vehicles in the
17 State's fleet shall be zero-emissions vehicles by
18 December 31, 2035;
- 19 (E) Seventy-five per cent of non-road vehicles in the
20 State's fleet shall be zero-emission vehicles by
21 December 31, 2040; and



1 (F) One hundred per cent of non-road vehicles in the
2 State's fleet shall be zero-emission vehicles by
3 December 31, 2045.

4 For the purposes of this subsection:

5 "Light-duty motor vehicle" shall have the same meaning as
6 contained in title 10 Code [+]of[+] Federal Regulations part
7 490.

8 "Non-road vehicle" shall have the same meaning as contained
9 in title 10 Code of Federal Regulations part 490.

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

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

15 SECTION 3. Statutory material to be repealed is bracketed
16 and stricken. New statutory material is underscored.

17 SECTION 4. This Act shall take effect on July 1, 2024.

18

INTRODUCED BY:


JAN 19 2024



Report Title:

DOT; State Fleet; Non-Road Vehicles; Zero Emissions

Description:

Establishes a goal to transition all state-owned, non-road vehicles to be zero-emission vehicles by the end of 2045.
Defines non-road vehicle.

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