
A BILL FOR AN ACT

RELATING TO ZERO-EMISSION VEHICLES.

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

1 SECTION 1. The legislature finds that climate change
2 caused by greenhouse gas emissions from burning fossil fuels
3 poses a serious threat to the economic well-being, public
4 health, natural resources, and environment of Hawaii. The
5 potential adverse impacts of climate change include the
6 exacerbation of air-quality problems; a reduction in the quality
7 and supply of water; a rise in sea levels resulting in the
8 displacement of coastal businesses and residences; damage to
9 marine ecosystems and the natural environment; and an increase
10 in the incidences of infectious diseases, asthma, and other
11 human health-related problems.

12 The legislature further finds that the State has committed
13 to both eliminating imported fuels from both the electricity and
14 ground transportation sectors and abiding by the 2015 Paris
15 Agreement's goal to limit the amount of global warming to less
16 than 1.5 degrees Celsius.



1 The legislature acknowledges that meeting the State's clean
2 energy goals and commitments necessitates the rapid transition
3 to vehicles that utilize local, renewable energy sources.

4 The legislature further acknowledges that rental motor
5 vehicles represent the largest passenger vehicle fleet in Hawaii
6 and are responsible for a significant amount of carbon
7 emissions.

8 The legislature finds that incorporating large numbers of
9 zero-emission vehicles into rental motor vehicle fleets would:
10 significantly reduce carbon emissions; increase the number of
11 zero-emission vehicles entering the secondary market, making
12 them more affordable to more Hawaii residents; and demonstrate
13 to all who visit the State that Hawaii is a leader in clean
14 energy and sustainable transportation.

15 The purpose of this Act is to:

- 16 (1) Require rental motor vehicle lessors operating in
17 Hawaii to expedite the incorporation of zero-emission
18 vehicles into their fleets; and
- 19 (2) Create a Hawaii zero-emission vehicle infrastructure
20 special fund and a grant program to promote the
21 development of the refueling infrastructure necessary



1 to enable the large-scale adoption of zero-emission
2 vehicles.

3 SECTION 2. Chapter 437D, Hawaii Revised Statutes, is
4 amended by adding two new sections to be appropriately
5 designated and to read as follows:

6 "§437D-A Zero-emission vehicles. (a) All lessors of
7 rental motor vehicles in the State shall incorporate zero-
8 emission light duty passenger vehicles into their rental motor
9 vehicle fleets according to the following schedule:

- 10 (1) No less than ten per cent by July 1, 2025;
- 11 (2) No less than twenty-five per cent by July 1, 2030;
- 12 (3) No less than fifty per cent by July 1, 2035;
- 13 (4) No less than seventy-five per cent by July 1, 2040;
- 14 and
- 15 (5) One hundred per cent by July 1, 2050.

16 (b) To certify compliance with this section, beginning in
17 2021, each rental motor vehicle lessor in the State shall
18 prepare and deliver a report to the director annually by
19 December 1 that includes the make, model, license plate number,
20 and fuel type of each rental motor vehicle in the lessor's
21 fleet.



1 (c) Lessors with fewer than the required number of zero-
2 emission vehicles in their rental motor vehicle fleet as set
3 forth in subsection (a) shall pay a fine of \$1,000 per month for
4 each vehicle below the required amount.

5 (d) The requirements set forth in this section shall apply
6 only to lessors owning and operating more than two hundred light
7 duty passenger vehicles as rental motor vehicles statewide.

8 (e) For the purposes of this section:

9 "Battery electric vehicle" means a vehicle with four or
10 more wheels that draws propulsion exclusively from a battery
11 that can be recharged from an external source of energy.

12 "Hydrogen fuel cell vehicle" means a vehicle with four or
13 more wheels that draws propulsion from electricity generated by
14 passing hydrogen through a fuel cell.

15 "Light duty passenger vehicle" means a vehicle below eight
16 thousand five hundred pounds gross weight.

17 "Plug-in hybrid electric vehicle" means a vehicle with four
18 or more wheels that draws propulsion from a battery, but which
19 also has an internal combustion engine that may be used to
20 either propel the vehicle directly, or to produce electricity to
21 recharge the battery.



1 "Rental motor vehicle" has the same meaning as defined in
2 section 251-1, notwithstanding section 437D-3.

3 "Zero-emission vehicle" means a battery electric vehicle, a
4 plug-in hybrid electric vehicle, or a hydrogen fuel cell
5 vehicle; provided that:

6 (1) A plug-in hybrid electric vehicle with sixteen or more
7 kilowatt hours of battery storage qualifies as a full
8 zero-emission vehicle; and

9 (2) A plug-in hybrid electric vehicle with less than
10 sixteen kilowatt hours of battery storage qualifies as
11 a partial zero-emission vehicle.

12 The number of kilowatt hours of battery storage is to be
13 calculated by dividing the total kilowatt hours of energy
14 storage in the battery by sixteen, rounded to the nearest tenth.

15 §437D-B Hawaii zero-emission vehicle infrastructure
16 special fund; grant program; established. (a) There is
17 established the Hawaii zero-emission vehicle infrastructure
18 special fund to be administered by the department of
19 transportation. All moneys received from any fines imposed
20 under section 437D-A shall be deposited into the special fund



1 and shall be used to develop, administer, and market the Hawaii
2 zero-emission vehicle infrastructure grant program.

3 (b) There is established in the department of
4 transportation the Hawaii zero-emission vehicle infrastructure
5 grant program to promote the development of fueling
6 infrastructure for zero-emission vehicles throughout the State
7 and to facilitate and demonstrate financially sustainable
8 business models for the infrastructure.

9 (c) Any public agency or private organization shall be
10 eligible to apply to the department of transportation for use of
11 grant program funds on a competitive basis; provided that the
12 department shall give priority to proposals that facilitate the
13 large-scale integration of zero-emission vehicles into rental
14 motor vehicle fleets.

15 (d) All costs related to the development of zero-emission
16 vehicle fueling infrastructure are eligible for funding,
17 including planning, engineering, construction, and the purchase
18 and installation of equipment; provided that costs associated
19 with ongoing operations of fueling infrastructure shall not be
20 eligible.



1 (e) Any recipient of funding shall be required to match at
2 least twenty per cent of the grant program moneys received.

3 (f) For the purposes of the section, "zero-emission
4 vehicle" has the same meaning as defined in section 437D-A."

5 SECTION 3. New statutory material is underscored.

6 SECTION 4. This Act shall take effect on January 1, 2020.



Report Title:

Zero-emission Vehicles; Rental Cars; Inventory; Fleet

Description:

Requires rental motor vehicle lessors to incorporate zero-emission vehicles into their fleets. Creates a Hawaii zero-emissions vehicle infrastructure special fund and grant program to promote development of zero-emission vehicle infrastructure. Effective 1/1/2020. (SD1)

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