
A BILL FOR AN ACT

RELATING TO ELECTRIC VEHICLES.

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

1 SECTION 1. The legislature finds that on a per mile basis,
2 it is significantly less expensive to commute in an electric
3 vehicle than it is to commute in a gas-powered automobile.
4 Residents may lower their cost of living by relying on local
5 renewable energy for transportation and transitioning to less-
6 expensive vehicles and transportation systems that are powered
7 by renewable energy. Currently, less than one per cent of
8 registered passenger vehicles in the State are electric
9 vehicles. The legislature, by Act 168, Session Laws of Hawaii
10 2012, authorized the department of transportation to adopt rules
11 that would provide incentives for registration, licensing,
12 parking, and operation of electric vehicles. Act 168, Session
13 Laws of Hawaii 2012, also provides other incentives for electric
14 vehicles, including exemption from parking fees under certain
15 conditions. The legislature recognizes that these incentives,
16 due to sunset on June 30, 2020, are important to encourage the
17 adoption of electric vehicles in the State.



1 The purpose of this Act is to:

2 (1) Apply the same incentives and exemptions to fuel cell
3 electric vehicles as are provided to other types of
4 electric vehicles

5 (2) Place fuel cell electric vehicles within the same top-
6 tier priority category as other electric vehicles for
7 purchase of new vehicles by state and county entities;
8 and

9 (3) Extend the sunset date of Act 168, Session Laws of
10 Hawaii 2012, for electric vehicle parking and charging
11 station requirements to June 30, 2030, and include
12 facilities for fuel cell electric vehicles in the
13 requirements.

14 SECTION 2. Section 103D-412, Hawaii Revised Statutes, is
15 amended as follows:

16 1. By amending subsection (b) to read:

17 "(b) Beginning January 1, 2010, all state and county
18 entities, when purchasing new vehicles, shall seek vehicles with
19 reduced dependence on petroleum-based fuels that meet the needs
20 of the agency. Priority for selecting vehicles shall be as
21 follows:



- 1 (1) Electric [~~or~~] vehicles, plug-in hybrid electric
- 2 vehicles [~~+~~
- 3 ~~(2)~~ ~~Hydrogen~~ ~~or~~], or fuel cell electric vehicles;
- 4 [~~(3)~~] (2) Other alternative fuel vehicles;
- 5 [~~(4)~~] (3) Hybrid electric vehicles; and
- 6 [~~(5)~~] (4) Vehicles that are identified by the United States
- 7 Environmental Protection Agency in its annual "Fuel
- 8 Economy Leaders" report as being among the top
- 9 performers for fuel economy in their class."

10 2. By amending subsection (c) to read:

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 SECTION 3. Section 291-71, Hawaii Revised Statutes, is
13 amended by amending subsection (b) to read as follows:

14 "(b) For the purposes of this section:

15 "Electric vehicle" means:

16 (1) A neighborhood electric vehicle as defined in section
17 286-2; ~~[et]~~

18 (2) A vehicle, with four or more wheels, that draws
19 propulsion energy from a battery with at least four
20 kilowatt hours of energy storage capacity that can be



1 recharged from an external source of electricity[-];

2 or

3 (3) A fuel cell electric vehicle.

4 "Electric vehicle charging system" means a system that:

5 (1) Is capable of providing electricity from a non-vehicle
6 source to charge the batteries of one or more electric
7 vehicles;

8 (2) Meets recognized standards, including standard SAE
9 J1772 of SAE International; and

10 (3) Is designed and installed in compliance with article
11 625 of the National Electrical Code[-];

12 provided that the term shall not include facilities or systems
13 for refueling the hydrogen storage tank of a fuel cell electric
14 vehicle.

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

19 "Place of public accommodation" has the same meaning as
20 that provided in section 489-2."



1 SECTION 4. Act 168, Session Laws of Hawaii 2012, is
2 amended as follows:

3 1. By amending section 2 to read:

4 "SECTION 2. (a) The department of transportation may
5 adopt rules pursuant to chapter 91, Hawaii Revised Statutes, for
6 the registration of, and issuance of special license plates for,
7 electric vehicles.

8 (b) An electric vehicle on which an electric vehicle
9 license plate is affixed shall be exempt from payment of parking
10 fees, including those collected through parking meters, charged
11 by any state or county authority in this State, except that this
12 exemption shall not apply:

13 (1) For more than two and one-half hours of metered
14 parking, or the maximum amount of time the meter
15 allows, whichever is longer; [ø]

16 (2) [~~To parking fees assessed in increments longer than~~
17 ~~one twenty four hour day, including weekly, monthly,~~
18 ~~or annual parking permits.] For more than two hours
19 total of metered parking within a single parking lot
20 per day regardless of whether the electric car is~~



1 parked in a single metered stall or in successive
2 metered stalls in the same lot; or
3 (3) For non-metered parking stalls, for any period longer
4 than a total of four hours per day, regardless of
5 whether the electric car is parked in a single stall
6 or in successive stalls in the same lot.

7 (c) An electric vehicle on which an electric vehicle
8 license plate is affixed shall be exempt from high occupancy
9 vehicle lane restrictions.

10 (d) For the purposes of this Act:

11 "Electric vehicle" means:

- 12 (1) A neighborhood electric vehicle; [~~ex~~]
13 (2) A vehicle, with four or more wheels, that draws
14 propulsion energy from a battery with at least four
15 kilowatt hours of energy storage capacity that can be
16 recharged from an external source of electricity[~~-~~];
17 or
18 (3) A fuel cell electric vehicle.

19 "Fuel cell electric vehicle" means a zero-emission electric
20 vehicle that uses a fuel cell to convert hydrogen gas and oxygen



1 into electricity that is used in a vehicle powertrain for
2 propulsion."

3 2. By amending section 4 to read:

4 "SECTION 4. This Act shall take effect upon its approval
5 and shall be repealed on [~~June 30, 2020.~~] June 30, 2030."

6 SECTION 5. This Act does not affect rights and duties that
7 matured, penalties that were incurred, and proceedings that were
8 begun before its effective date.

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

11 SECTION 7. This Act shall take effect on July 1, 2100.



Report Title:

Electric Vehicles; Rules; Incentives; Sunset Date

Description:

Applies the same rules, incentives, and public purchasing priorities to fuel cell electric vehicles as to other types of electric vehicles. Amends parking fee exemptions for electric vehicles. Extends sunset date for electric vehicle rules and incentives by 10 years to June 30, 2030. (HB238 HD1)

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