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# A BILL FOR AN ACT

RELATING TO FUEL CELL ELECTRIC VEHICLES.

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

1           SECTION 1. Act 168, Session Laws of Hawaii 2012, is  
2 amended by amending subsection (d) of section 2 to read as  
3 follows:

4           "(d) For the purposes of this Act:

5           "Electric vehicle" means:

6           (1) A neighborhood electric vehicle; [~~or~~]

7           (2) A vehicle, with four or more wheels, that draws  
8 propulsion energy from a battery with at least four  
9 kilowatt hours of energy storage capacity that can be  
10 recharged from an external source of electricity[~~+~~];

11           or

12           (3) A fuel cell electric vehicle.

13           "Fuel cell electric vehicle" means a zero-emission electric  
14 vehicle that uses a fuel cell to convert hydrogen gas and oxygen  
15 into electricity to power one or more onboard electric motors to  
16 propel the vehicle."



1 SECTION 2. Section 103D-412, Hawaii Revised Statutes, is  
2 amended by amending subsections (b) and (c) to read as follows:

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

8 (1) Electric or plug-in hybrid electric vehicles ~~[+]~~ and

9 ~~[-(2) Hydrogen or]~~ fuel cell electric vehicles;

10 ~~[-(3)]~~ (2) Other alternative fuel vehicles;

11 ~~[-(4)]~~ (3) Hybrid electric vehicles; and

12 ~~[-(5)]~~ (4) Vehicles that are identified by the United States  
13 Environmental Protection Agency in its annual "Fuel  
14 Economy Leaders" report as being among the top  
15 performers for fuel economy in their class.

16 (c) For the purposes of this section:

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

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



1 of biodiesel with diesel or other fuels, other fuels derived  
2 from biological materials, and electricity provided by off-board  
3 energy sources.

4 "Covered fleet" has the same meaning as contained in 10  
5 Code of Federal Regulations Part 490 Subpart C.

6 "Excluded vehicles" has the same meaning as provided in 10  
7 Code of Federal Regulations section 490.3.

8 "Fuel cell electric vehicle" means a zero-emission electric  
9 vehicle that uses a fuel cell to convert hydrogen gas and oxygen  
10 into electricity to power one or more onboard electric motors to  
11 propel the vehicle.

12 "Light-duty motor vehicle" has the same meaning as  
13 contained in 10 Code of Federal Regulations Part 490, not  
14 including any vehicle incapable of traveling on highways or any  
15 vehicle with a gross vehicle weight rating greater than eight  
16 thousand five hundred pounds."

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

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

20 "Electric vehicle" means:



- 1 (1) A neighborhood electric vehicle as defined in section
- 2 286-2; [~~or~~]
- 3 (2) A vehicle, with four or more wheels, that draws
- 4 propulsion energy from a battery with at least four
- 5 kilowatt hours of energy storage capacity that can be
- 6 recharged from an external source of electricity[-];i
- 7 or
- 8 (3) A fuel cell electric vehicle.

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

- 10 (1) Is capable of providing electricity from a non-vehicle
- 11 source to charge the batteries of one or more electric
- 12 vehicles;
- 13 (2) Meets recognized standards, including standard SAE
- 14 J1772 of SAE International; and
- 15 (3) Is designed and installed in compliance with article
- 16 625 of the National Electrical Code[-];i

17 provided that the term shall not include facilities or systems  
18 for refueling the hydrogen storage tank of a fuel cell electric  
19 vehicle.

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



1 into electricity to power one or more onboard electric motors to  
2 propel the vehicle.

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

5 SECTION 4. Statutory material to be repealed is bracketed  
6 and stricken. New statutory material is underscored.

7 SECTION 5. This Act shall take effect on July 1, 2030.



**Report Title:**

Electric Vehicles; Fuel Cell Electric Vehicles

**Description:**

Includes fuel cell electric vehicles in the definition of electric vehicles for purposes of parking exemptions, HOV lane use, registration, and required parking spaces in places of public accommodation. Grants procurement priority for fuel cell electric vehicles for state and county vehicle purchases.  
(HB2080 HD2)

*The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.*

