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# A BILL FOR AN ACT

RELATING TO ELECTRIC VEHICLE CHARGING INFRASTRUCTURE.

**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 the burning of fossil  
3 fuels poses a serious threat to the economic well-being, public  
4 health, natural resources, and environment of Hawaii. The State  
5 of Hawaii has committed to eliminating fossil fuels from both  
6 the electricity and ground transportation sectors and has also  
7 committed to abiding by the Paris Climate Accord's goal to limit  
8 the amount of global warming to less than 1.5 degrees Celsius.

9           The legislature further finds that electric vehicles can be  
10 powered by electricity generated from local, renewable energy  
11 resources, offer lower fuel and operating costs, and therefore,  
12 must play an important role in helping the State achieve its  
13 clean energy goals and commitments.

14           The legislature further finds that it is necessary for the  
15 State to implement policies which help to catalyze the  
16 development of charging facilities necessary to support large-  
17 scale adoption of electric vehicles.



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1           The legislature further finds that the current requirements  
2 for designating parking spaces and providing charging facilities  
3 for electric vehicles as outlined in section 291-71, Hawaii  
4 Revised Statutes, are not adequate to meet the charging needs of  
5 the State's population.

6           The purpose of this Act is to support greater use of  
7 electric vehicles by amending parking space and charging station  
8 requirements for electric vehicles.

9           SECTION 2. Section 291-71, Hawaii Revised Statutes, is  
10 amended to read as follows:

11           "§291-71 Designation of parking spaces for electric  
12 vehicles; ~~[charging system.] provision of electric vehicle~~  
13 supply equipment. (a) ~~[Places of public accommodation]~~  
14 Beginning on July 1, 2018, and subject to subsection (b) through  
15 (d), parking facilities with at least one hundred parking spaces  
16 available for use by the general public shall ~~[have]~~ provide  
17 electric vehicle supply equipment for at least one parking space  
18 designated exclusively for electric vehicles ~~[and equipped with~~  
19 ~~an electric vehicle charging system located anywhere in the~~  
20 ~~parking structure or lot by July 1, 2012; provided that no~~  
21 ~~parking space]~~. Parking spaces designated for electric vehicles



1 may be located anywhere within the parking facility; provided  
2 that they shall not displace or reduce accessible stalls  
3 required by the Americans with Disabilities Act Accessibility  
4 Guidelines. Spaces shall be designated, clearly marked, and the  
5 exclusive designation enforced. [~~Owners of multiple parking~~  
6 ~~facilities within the State may designate and electrify fewer~~  
7 ~~parking spaces than required in one or more of their owned~~  
8 ~~properties; provided that the scheduled requirement is met for~~  
9 ~~the total number of aggregate spaces on all of their owned~~  
10 ~~properties.]~~

11 (b) Beginning on July 1, 2021, parking facilities with  
12 more than two hundred total parking spaces shall be required to  
13 obtain a requisite number of electric vehicle supply equipment  
14 points based on the number and type of parking spaces in each  
15 respective facility. The requisite number of electric vehicle  
16 supply equipment points for a parking facility shall be  
17 calculated as follows:

18 (1) Beginning on July 1, 2021:

19 (A) One point for every ten public parking spaces;

20 (B) One point for every ten employee parking spaces;

21 and



1            (C) One point for every ten residential parking  
2            spaces; and

3            (2) Beginning on July 1, 2024:

4            (A) One point for every ten public parking spaces;

5            (B) One point for every five employee parking spaces;  
6            and

7            (C) One point for every five residential parking  
8            spaces.

9            (c) Parking facilities shall be awarded electric vehicle  
10          supply equipment points to meet the requisite number pursuant to  
11          subsection (b) as follows:

12          (1) For each designated electric vehicle employee or  
13          residential parking space with level 1 charging  
14          equipment, two points;

15          (2) For each designated electric vehicle parking space  
16          with level 2 charging equipment, ten points; and

17          (3) For each designated electric vehicle parking space  
18          with DC fast charging equipment, fifty points.

19          (d) Parking facilities may be exempted from the  
20          requirements of this section if the parking facility provides  
21          documented cost estimates from a Hawaii-licensed electrician



1 that meeting the requirements of this section with any  
2 combination of electric vehicle supply equipment would result in  
3 construction, equipment, and installation costs that exceed  
4 \$100,000 or \$200 multiplied by the total number of parking  
5 spaces within the parking facility, whichever is greater.

6 (e) In cases where a single parking facility is owned or  
7 managed by multiple entities, the owners or managers of the  
8 parking facility shall jointly be responsible for complying with  
9 the requirements of this section.

10 (f) The director of transportation may investigate and  
11 issue warnings to any parking facilities found to be in  
12 violation of any requirement of this section. A parking  
13 facility that receives a warning shall be given ninety days to  
14 correct the violation. If, after ninety days from the date of  
15 issuance of a warning, a parking facility continues to be in  
16 violation of any requirement of this section, the director of  
17 transportation may issue a fine. For violations of subsection  
18 (b) or (c), the amount of the fine shall be \$1,000 times the  
19 number of points by which the facility falls short of the  
20 requisite number of electric vehicle supply equipment points for



1 that facility per calendar month or any portion thereof during  
2 which the violation continues.

3 ~~[(b)]~~ (g) For the purposes of this section:

4 "DC fast charging equipment" means an electric vehicle  
5 supply equipment system that:

6 (1) Utilizes direct current electricity rated at 440 volts  
7 or greater; and

8 (2) Is designed and installed in compliance with article  
9 625 of the National Electrical Code.

10 "Electric vehicle" means:

11 (1) A neighborhood electric vehicle as defined in section  
12 286-2; or

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 ~~["Electric vehicle charging system" means a system that:~~

18 ~~(1) Is capable of providing electricity from a non-vehicle~~  
19 ~~source to charge the batteries of one or more electric~~  
20 ~~vehicles;~~



1       ~~(2) Meets recognized standards, including standard SAE~~  
2             ~~J1772 of SAE International; and~~

3       ~~(3) Is designed and installed in compliance with article~~  
4             ~~625 of the National Electrical Code.]~~

5       "Electric vehicle supply equipment" means a system that is  
6 capable of providing electricity from a non-vehicle source to  
7 charge the batteries of one or more electric vehicles.

8       "Level 1 charging equipment" means an electric vehicle  
9 supply equipment system that discharges 110 to 120-volt  
10 alternating current electricity.

11       "Level 2 charging equipment" means an electric vehicle  
12 supply equipment system that:

13       (1) Discharges 220-240 volt alternating current  
14             electricity;

15       (2) Meets recognized standards, including standard SAE  
16             J1772 of SAE International; and

17       (3) Is designed and installed in compliance with article  
18             625 of the National Electrical Code.

19       "Parking facility" means all parking spaces within a single  
20 parking garage or contiguous parking lot. Shared parking lots  
21 that serve multiple businesses or uses, span multiple tax



1 identification number parcels, or have multiple owners or  
 2 lessees and that are not separated by public roadways shall be  
 3 defined as a single parking facility.

4 ~~["Place of public accommodation" has the same meaning as~~  
 5 ~~that provided in section 489-2.] "~~

6 SECTION 3. Statutory material to be repealed is bracketed  
 7 and stricken. New statutory material is underscored.

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

9

INTRODUCED BY: 

JAN 22 2018





# H.B. NO. 2216

**Report Title:**

Electric Vehicles; Parking; Charging; Electric Vehicle Supply Equipment; Requirements

**Description:**

Amends parking space and charging system requirements for electric vehicles in parking facilities. Establishes a point system based on the number and specific type of stalls and specific charging systems located in a parking facility. Establishes fines.

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

