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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 has committed to the elimination of fossil fuels from both the  
6 electricity and ground transportation sectors and has also  
7 committed to abiding by the Paris Climate Accord's goal to limit  
8 global warming to less than 1.5 degrees Celsius.

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

15       The legislature finds that it is necessary for the State to  
16 implement policies that help catalyze the development of the



1 charging facilities necessary to support the large-scale  
2 adoption of electric vehicles.

3 The legislature further finds that the current requirements  
4 for designating parking spaces and providing charging facilities  
5 for electric vehicles are not adequate to meet the charging  
6 needs of the State's population.

7 The purpose of this Act is to strengthen the State's  
8 electric vehicle charging requirements by:

9 (1) Requiring workplaces and multi-unit dwelling  
10 residential properties to provide parking spaces and  
11 electric vehicle supply equipment for electric  
12 vehicles;

13 (2) Creating a ratio to calculate the total number of  
14 electric vehicle stalls that a parking facility with  
15 more than two hundred parking spaces must have,  
16 beginning July 1, 2021; and

17 (3) Authorizing the director of transportation to fine  
18 properties that are not in compliance with electric  
19 vehicle parking space requirements.

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



1       "§291-71 Designation of parking spaces for electric  
2 vehicles; ~~[charging system.]~~ provision of electric vehicle  
3 supply equipment. (a) ~~[Places of public accommodation]~~ A  
4 parking facility with at least one hundred parking spaces  
5 available for use by the general public shall ~~[have]~~ provide  
6 electric vehicle supply equipment to at least one parking space  
7 designated exclusively for electric vehicles ~~[and equipped with~~  
8 ~~an electric vehicle charging system located anywhere in the~~  
9 ~~parking structure or lot]~~ by July 1, 2012~~[+]~~. Parking spaces  
10 designated for electric vehicles may be located anywhere within  
11 the parking facility; provided that no parking space designated  
12 for electric vehicles shall displace or reduce accessible stalls  
13 required by the Americans with Disabilities Act Accessibility  
14 Guidelines. Spaces shall be designated, clearly marked, and the  
15 exclusive designation enforced. ~~[Owners of multiple parking~~  
16 ~~facilities within the State may designate and electrify fewer~~  
17 ~~parking spaces than required in one or more of their owned~~  
18 ~~properties; provided that the scheduled requirement is met for~~  
19 ~~the total number of aggregate spaces on all of their owned~~  
20 ~~properties.]~~ If a parking facility is owned, leased, or managed  
21 by multiple entities, the owners, lessees, or managers, as



1 applicable, shall be jointly responsible for complying with this  
2 section.

3 (b) Beginning July 1, 2021, a parking facility with more  
4 than two hundred total parking spaces shall be required to  
5 achieve:

6 (1) One electric vehicle supply equipment point for every  
7 ten public parking spaces;

8 (2) One electric vehicle supply equipment point for every  
9 ten employee parking spaces; and

10 (3) One electric vehicle supply equipment point for every  
11 ten residential spaces.

12 (c) Beginning July 1, 2024, a parking facility with more  
13 than two hundred total parking spaces shall be required to  
14 achieve:

15 (1) One electric vehicle supply equipment point for every  
16 ten public parking spaces;

17 (2) One electric vehicle supply equipment point for every  
18 five employee parking spaces; and

19 (3) One electric vehicle supply equipment point for every  
20 five residential parking spaces.



1        (d) A parking facility shall qualify for electric vehicle  
2 supply equipment points as follows:

3        (1) For each designated electric vehicle parking space  
4 with level 1 charging equipment, two points;

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

7        (3) For each designated electric vehicle parking space  
8 with direct current fast charging equipment, fifty  
9 points;

10 provided that a parking facility shall only satisfy the electric  
11 vehicle supply equipment point requirements for public parking  
12 spaces with level 2 and direct current fast charging equipment.

13        (e) The director of transportation may exempt a parking  
14 facility from some or all of the requirements of this section if  
15 documented cost estimates from a state-licensed electrician are  
16 provided that state that meeting the requirements of this  
17 section with any combination of electric vehicle supply  
18 equipment levels would result in construction, equipment, and  
19 installation costs that exceed the greater of:

20        (1) \$100,000; or



(2) \$200 multiplied by the total number of parking spaces within the parking facility.

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

"Direct current fast charging equipment" means an electric vehicle supply equipment system that:

(1) Utilizes direct current electricity rated at four hundred forty volts or greater; and

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

"Electric vehicle" means:

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

(2) A vehicle, with four or more wheels, that draws propulsion energy from a battery with at least four kilowatt hours of energy storage capacity that can be recharged from an external source of electricity.

~~["Electric vehicle charging system"]~~ "Electric vehicle supply equipment" means a system that~~[-~~

~~(1) [is]~~ is capable of providing electricity from a non-vehicle source to charge the batteries of one or more electric vehicles~~[-~~



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

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

"Level 1 charging equipment" means an electric vehicle  
supply equipment system that discharges one hundred ten to one  
hundred twenty-volt alternating current electricity.

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

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

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

"Parking facility" means all parking spaces within a single  
parking garage or a contiguous parking lot; provided that shared  
parking lots that:

(1) Serve multiple businesses or uses;

(2) Span multiple tax parcels; or

(3) Have multiple owners or lessees that are not separated  
by public roadways,

shall be considered a single parking facility.



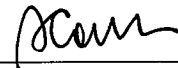
1 "Place of public accommodation" has the same meaning as  
2 that provided in section 489-2.

3 (g) The director of transportation may investigate and  
4 issue warnings to the owner, lessee, or manager of a parking  
5 facility found to be in violation of this section. An owner,  
6 lessee, or manager of a parking facility who receives a warning  
7 of violation shall have ninety days to correct the violation.  
8 If, after ninety days from the date of the warning, a parking  
9 facility remains in violation of this section, the director of  
10 transportation may assess a fine of \$1,000 per calendar month,  
11 or partial calendar month, for each electric vehicle supply  
12 equipment point that the parking facility is below the number of  
13 electric vehicle supply equipment points required by subsection  
14 (b) ."

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 January 1, 2020.  
18

INTRODUCED BY: \_\_\_\_\_



JAN 22 2018





# H.B. NO. 2274

**Report Title:**

DOT; Parking Facilities; Electric Vehicles; Charging Infrastructure

**Description:**

Expands the State's existing electric vehicle charging requirements to include parking lots for multi-unit buildings and workplaces. Creates a ratio to calculate the total number of electric vehicle parking stalls a parking facility with more than 200 stalls must have beginning 7/1/2021. Allows the director of transportation to fine properties not in compliance with the electric vehicle parking requirements. Effective 7/1/2020.

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

