
A BILL FOR AN ACT

RELATING TO ELECTRIC VEHICLE CHARGING INFRASTRUCTURE.

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

PART I

1
2 SECTION 1. The legislature finds that climate change
3 caused by greenhouse gas emissions from the burning of fossil
4 fuels poses a serious threat to the economic well-being, public
5 health, natural resources, and environment of Hawaii. The State
6 has committed to the elimination of fossil fuels from the
7 electricity and ground transportation sectors and has also
8 committed to abiding by the Paris Climate Accord's goal to limit
9 global warming to less than 1.5 degrees Celsius.

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

16 The legislature additionally finds that it is necessary for
17 the State to implement policies that help catalyze the



1 development of the charging facilities necessary to support the
2 large-scale 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 parking facilities built after 2016 to
10 provide electric vehicle supply equipment to at least
11 one parking space per one hundred parking spaces to be
12 designated exclusively for electric vehicles;
- 13 (2) Creating a ratio to calculate the total number of
14 electric vehicle stalls that a parking facility built
15 after 2016 with more than one hundred public parking
16 spaces must have, 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; provided that parking
10 facilities built after 2016 with at least one hundred parking
11 spaces available for use by the general public shall provide
12 electric vehicle supply equipment to at least one parking space
13 per one hundred parking spaces to be designated exclusively for
14 electric vehicles. Parking spaces designated for electric
15 vehicles may be located anywhere within the parking facility and
16 may require payment for use; provided that no parking space
17 designated for electric vehicles shall displace or reduce
18 accessible stalls required by the Americans with Disabilities
19 Act Accessibility Guidelines. Spaces shall be designated,
20 clearly marked, and the exclusive designation enforced. [~~Owners~~
21 ~~of multiple parking facilities within the State may designate~~



1 ~~and electrify fewer parking spaces than required in one or more~~
2 ~~of their owned properties; provided that the scheduled~~
3 ~~requirement is met for the total number of aggregate spaces on~~
4 ~~all of their owned properties.] If a parking facility is owned,~~
5 ~~leased, or managed by multiple entities, the owners, lessees, or~~
6 ~~managers, as applicable, shall be jointly responsible for~~
7 ~~complying with this section.~~

8 (b) Beginning July 1, 2021, parking facilities built after
9 2016 with more than one hundred total public parking spaces
10 shall be required to achieve two electric vehicle supply
11 equipment for every one hundred public parking spaces.

12 (c) Beginning July 1, 2024, parking facilities built after
13 2016 with more than one hundred total parking spaces shall be
14 required to achieve three electric vehicle supply equipment for
15 every one hundred public parking spaces.

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



1 installation costs that exceed the greater of \$200 multiplied by
2 the total number of parking spaces within the parking facility.

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

4 "Electric vehicle" means:

5 (1) A neighborhood electric vehicle as defined in section
6 286-2; 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 ~~["Electric vehicle charging system"]~~ "Electric vehicle
12 supply equipment" means a system that [+

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

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

18 ~~(3) Is designed and installed in compliance with article~~
19 ~~625 of the National Electrical Code.~~

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



1 SECTION 3. (a) There is established within the department
2 of business, economic development, and tourism, for
3 administrative purposes, a working group to address the
4 installation of electric vehicle supply equipment in the State.

5 (b) The working group shall work with:

6 (1) The city and county of Honolulu to explore mobile
7 charging infrastructure; and

8 (2) The stadium authority to conduct a feasibility study
9 of adding one to four additional charging stations to
10 Aloha Stadium.

11 (c) The following individuals or their designees shall
12 serve as members of the working group:

13 (1) The director of business, economic development, and
14 tourism, who shall serve as the chairperson of the
15 working group;

16 (2) The director of commerce and consumer affairs;

17 (3) One representative from the division of consumer
18 advocacy;

19 (4) The chair of the committee on consumer protection and
20 commerce of the house of representatives;



- 1 (5) The chair of the committee on commerce, consumer
2 protection, and health of the senate;
- 3 (6) The chair of the committee on energy and environmental
4 protection of the house of representatives;
- 5 (7) The chair of the committee on transportation and
6 energy of the senate;
- 7 (8) Two representatives of the Hawaii Chapter of the
8 Community Associations Institute;
- 9 (9) Two representatives from Hawaii EV Partnership;
- 10 (10) One representative from the Building Industry
11 Association of Hawaii; and
- 12 (11) One representative from Hawaiian Electric Company.
- 13 (d) The working group shall report its findings and
14 recommendations, including any proposed legislation, to the
15 legislature no later than twenty days prior to the convening of
16 the regular session of 2019.
- 17 (e) The legislative reference bureau shall assist the
18 working group with its final report to the legislature and
19 prepare any proposed legislation.
- 20 (f) The working group shall be dissolved on December 30,
21 2018.



Report Title:

DOT; Parking Facilities; Electric Vehicles; Charging Infrastructure; Working Group

Description:

Expands the State's existing electric vehicle charging requirements to include public parking lots. Creates a ratio to calculate the total number of electric vehicle parking stalls a parking facility built after 2016 with more than 100 stalls must have beginning 7/1/2021. Allows the director of transportation to fine properties not in compliance with the electric vehicle parking requirements. Establishes a working group to address mobile charging infrastructure and the feasibility of increasing the number of charging stations at Aloha Stadium. Takes effect on 1/1/2020. (SD1)

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