
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 Hawaii's dependence
2 on imported fossil fuels drains the state economy of billions of
3 dollars each year. Furthermore, ground transportation accounts
4 for approximately one-third of all imported oil consumed in the
5 State. The volatility of imported fuel prices creates
6 significant risks for the economy and adds to costs for local
7 families. However, in order for local consumers and families to
8 benefit from these alternative vehicles and transition away from
9 fossil fuel vehicles, Hawaii must be prepared with critical
10 infrastructure elements, such as electric vehicle charging
11 stations.

12 The legislature further finds that other municipalities
13 have set standards for new construction to include "EV ready"
14 parking stalls so that electric vehicle charging stations can be
15 efficiently added at significantly reduced costs when the
16 property owner or manager chooses to add electric vehicle
17 charging stations in the future.



1 Currently, the majority of electric vehicle drivers use
2 their home as a primary site for charging their vehicles. Thus,
3 in order to increase the use of electric vehicles the State
4 needs to expand charging access in new state and county building
5 construction. Estimates show that electric vehicle
6 infrastructure costs are less than one per cent of the total
7 construction cost of a project. Additionally, retrofitting
8 buildings post-construction can cost more than three times the
9 total initial estimated amount it would cost in a new
10 construction. Hence, this Act will enable the State's or
11 county's new construction to save additional infrastructure
12 expenses when installing electric vehicle charging stations.

13 The purpose of this Act is to require that the
14 infrastructure of new state or county building construction
15 include an allocation of parking stalls for electric vehicle
16 charging stations. This Act does not require the allocation of
17 parking stalls to be dedicated to electric vehicles upon being
18 made electric vehicle charger ready.

19 SECTION 2. Section 107-21, Hawaii Revised Statutes, is
20 amended by adding a new definition to be appropriately inserted
21 and to read as follows:



1 "County building construction" means any building
2 construction project or program initiated by a county agency or
3 requiring the use of county funds."

4 SECTION 3. Section 107-25, Hawaii Revised Statutes, is
5 amended to read as follows:

6 "§107-25 Hawaii state building codes; new state building
7 construction and county building construction; requirements.

8 (a) There is established the Hawaii state building codes
9 applicable to all construction in the State of Hawaii. The
10 Hawaii state building codes shall be based upon:

- 11 (1) The state fire code as adopted by the state fire
12 council;
- 13 (2) The Uniform Plumbing Code, as copyrighted and
14 published by the International Association of Plumbing
15 and Mechanical Officials, including its appendices;
- 16 (3) The International Building Code, the International
17 Residential Code, and the International Energy
18 Conservation Code, as published by the International
19 Code Council;
- 20 (4) The National Electrical Code, as published by the
21 National Fire Protection Association;



1 (5) Hawaii design standards implementing the criteria
2 pursuant to Act 5, Special Session Laws of Hawaii[7]
3 2005, as applicable to:

4 (A) Emergency shelters built to comply with hurricane
5 resistant criteria, including enhanced hurricane
6 protection areas capable of withstanding a five
7 hundred-year hurricane event as well as other
8 storms and natural hazards; and

9 (B) Essential government facilities requiring
10 continuity of operations; and

11 (6) Code provisions based on nationally published codes or
12 standards that include but are not limited to
13 residential and hurricane resistant standards related
14 to loss mitigation standards in accordance with
15 section 431P-12, elevator, mechanical, flood and
16 tsunami, existing buildings, and onsite sewage
17 disposal.

18 (b) Any Hawaii state building codes adopted pursuant to
19 subsection (a) (3) shall require all new state building
20 construction and county building construction from the ground
21 up, or a significant reconstruction altering an existing



1 structure such that the overall square footage changes by the
2 lesser of twenty-five per cent or seven thousand five hundred
3 square feet, dedicate at least twenty per cent of its total
4 projected amount of parking stalls to be electric vehicle
5 charger ready within a new state or county building's parking
6 structure; provided that this subsection shall not apply to
7 renovations or retrofits that do not change the overall square
8 footage by less than twenty-five per cent or seven thousand five
9 hundred square feet; provided further that this subsection shall
10 not apply to any adjacent existing structures on the site that
11 are not being renovated or listed on the permit application.

12 In no case shall the number of parking stalls that are
13 electric vehicle charger ready at a new state or county building
14 construction project be less than two.

15 As used in this section, "electric vehicle charger ready"
16 means having sufficient wire, conduit, electric vehicle charger
17 capable of providing a minimum of 208- or 240-volt branch
18 circuit."

19 SECTION 4. Statutory material to be repealed is bracketed
20 and stricken. New statutory material is underscored.

21 SECTION 5. This Act shall take effect upon its approval.



Report Title:

Electric Vehicles; Charging Stations; New State and County Buildings; Parking Stalls

Description:

Requires certain new state building construction and county building construction projects to dedicate at least twenty per cent of its total projected amount of parking stalls to be electric vehicle charger ready and requires that all new state building construction and county building construction have at least two electric vehicle charger ready parking stalls. (SD1)

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