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## HOUSE RESOLUTION

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DIRECTING THE STATE BUILDING CODE COUNCIL TO REQUIRE CERTAIN  
PARKING FACILITIES TO BE EQUIPPED WITH ELECTRIC VEHICLE-  
READY INFRASTRUCTURE FOR AT LEAST ONE PARKING SPACE, OR  
TWENTY-FIVE PERCENT OF PARKING SPACES, WHICHEVER IS  
GREATER.

1 WHEREAS, the State's dependence on imported fossil fuels  
2 drains Hawaii's economy of billions of dollars each year; and  
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4 WHEREAS, the price volatility of imported fuel also creates  
5 significant risks for the State's economy and adds to the cost  
6 of living for local families; and  
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8 WHEREAS, on a per mile basis, it is significantly less  
9 expensive to commute in an electric vehicle than it is to  
10 commute in a gas-powered automobile; and  
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12 WHEREAS, Hawaii's cost of living could be lowered by  
13 converting to vehicles and transportation systems powered by  
14 less expensive, locally-produced renewable energy; and  
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16 WHEREAS, in addition to these cost benefits, the increased  
17 adoption of electric vehicles would also benefit the State's  
18 environment; and  
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20 WHEREAS, the continued use of fossil fuels contributes to  
21 climate change, which poses a serious threat to the State's  
22 economy, public health, natural resources, and environment; and  
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24 WHEREAS, the effects of climate change are destroying  
25 Hawaii's coral reefs and causing the sea level to rise at an  
26 accelerating rate; and  
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28 WHEREAS, sea level rise is expected to cause up to  
29 \$19,000,000,000 in losses to coastal residences, businesses, and  
30 infrastructure; and



1  
2 WHEREAS, climate change also poses a serious threat to  
3 public health by increasing the incidence of infectious  
4 diseases, asthma, and other health problems; and  
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6 WHEREAS, the widespread use of electric vehicles will  
7 increase the diversity of choices available for transportation  
8 that do not depend on petroleum but utilize electricity  
9 generated from locally produced renewable energy resources; and  
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11 WHEREAS, the emergence of autonomous electric vehicles  
12 operating on public roads in cities around the nation signals an  
13 approaching transportation revolution that has the potential to  
14 dramatically reduce costs for consumers and change the way  
15 people commute; and  
16

17 WHEREAS, in order for Hawaii residents to benefit from  
18 these changes and properly transition away from expensive fossil  
19 fuel-powered vehicles, the State must ensure the availability of  
20 the necessary infrastructure elements, including electric  
21 vehicle charging stations; and  
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23 WHEREAS, the lack of available charging infrastructure to  
24 support electric vehicles is especially acute at multi-unit  
25 dwellings and workplaces; now, therefore,  
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27 BE IT RESOLVED by the House of Representatives of the  
28 Twenty-ninth Legislature of the State of Hawaii, Regular Session  
29 of 2018, that the State Building Code Council is directed to  
30 require certain parking facilities or parking lots that:  
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32 (1) Have at least two parking spaces;  
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34 (2) Are permitted for construction or significant  
35 renovation after June 30, 2019; and  
36

37 (3) Serve a multi-unit dwelling, workplace, or commercial  
38 building,  
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40 to be equipped with wiring and electrical infrastructure to  
41 accept electric vehicle charging infrastructure in at least one



1 parking space, or twenty-five percent of parking spaces,  
2 whichever is greater; and

3  
4 BE IT FURTHER RESOLVED that the Office of Planning is  
5 requested to assist in the preparation of the plan; and

6  
7 BE IT FURTHER RESOLVED that any plan or rule developed  
8 pursuant to this Resolution is urged to define the term "EV  
9 Ready Infrastructure" as "all of the conduit, wiring, electrical  
10 panel capacity, breaker space, and other equipment necessary to  
11 bring sufficient power to parking spaces at a minimum of 240  
12 volts/40 amperes capacity per space"; and

13  
14 BE IT FURTHER RESOLVED that a certified copy of this  
15 Resolution be transmitted to the Chairperson of the State  
16 Building Code Council.

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18  
19 OFFERED BY:



MAR 09 2018

