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# HOUSE CONCURRENT RESOLUTION

RENEWING THE STATE OF HAWAII'S COMMITMENT TO CLEAN ENERGY BY  
IMPLEMENTING HYDROGEN-BASED ENERGY INFRASTRUCTURE  
THROUGHOUT THE STATE.

1           WHEREAS, according to the United States Environmental  
2 Protection Agency, humans are largely responsible for recent  
3 climate change; and

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5           WHEREAS, according to the United States Environmental  
6 Protection Agency, the primary human activity affecting the  
7 amount and rate of climate change is greenhouse gas emissions  
8 from the burning of fossil fuels; and

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10          WHEREAS, Hawaii is the most fossil fuel dependent state in  
11 the nation; and

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13          WHEREAS, the State of Hawaii, in partnership with the  
14 United States Department of Energy, launched the Hawaii Clean  
15 Energy Initiative in 2008 to meet 70 percent of Hawaii's energy  
16 needs with clean energy by 2030; and

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18          WHEREAS, a partnership consisting of 13 agencies launched  
19 the Hawaii Hydrogen Initiative in December 2010 to develop a  
20 hydrogen-supplied infrastructure in Hawaii capable of providing  
21 renewable hydrogen to power fuel cell vehicles and reduce  
22 petroleum imports; and

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24          WHEREAS, Hawaii is the ideal location to support hydrogen  
25 infrastructure as it has a large urban population and a  
26 relatively small land mass; and

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28          WHEREAS, Hawaii has served as a test site for hydrogen as a  
29 renewable energy source in the past; and



1 WHEREAS, currently there are plans to implement multiple  
2 hydrogen fueling stations on Oahu where the ability to generate  
3 clean hydrogen without the need for fossil fuels already exists;  
4 and

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6 WHEREAS, hydrogen fueled cars provide more benefits and  
7 fewer drawbacks than electrically powered cars; and

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9 WHEREAS, according to the Hawaii Hydrogen Initiative,  
10 General Motors has manufactured fuel cell vehicles that have  
11 saved nearly 2,000,000 pounds of carbon dioxide; and

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13 WHEREAS, fuel cell vehicles have a range of more than 300  
14 miles and can refuel in as little as three minutes; and

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16 WHEREAS, the 2011 Hawaii Clean Energy Initiative's Road Map  
17 includes a strategy to accelerate the deployment of electric and  
18 hydrogen vehicles and related infrastructure; and

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20 WHEREAS, fuel cell vehicle manufacturers are targeting 2015  
21 for an extensive rollout of hydrogen vehicles; and

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23 WHEREAS, ensuring that fuel cell vehicles and the necessary  
24 hydrogen refueling infrastructure come to the market at the same  
25 time would allow for greater participation in the use of fuel  
26 cell vehicles by a large percentage of the population; and

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28 WHEREAS, if hydrogen cars can be debuted in Hawaii through  
29 the rental car market, this could support tourism; now,  
30 therefore,

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32 BE IT RESOLVED by the House of Representatives of the  
33 Twenty-seventh Legislature of the State of Hawaii, Regular  
34 Session of 2014, the Senate concurring, that the State of Hawaii  
35 is encouraged to renew its commitment to clean energy by working  
36 with the United States Department of Energy and the Hawaii  
37 Hydrogen Initiative to implement hydrogen infrastructure in  
38 strategic areas throughout the State, including the exploration  
39 of public-private partnerships for unused state land, on a  
40 timeline that is in alignment with that of fuel cell vehicle  
41 manufacturers; and

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43 BE IT FURTHER RESOLVED that the High Technology Development  
44 Corporation is encouraged to issue a request for proposals for



1 one or more private entities to partner with one or more state  
2 agencies to establish a hydrogen production facility on state  
3 land in each of any two counties to utilize renewable feedstock  
4 and renewable energy to produce hydrogen as fuel for hydrogen  
5 fuel cell vehicles operated in the State; provided that:

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7 (1) The private entity or entities build and operate the  
8 hydrogen production facilities at their own expense;  
9 and

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11 (2) The agreement should allow for decreased rent or other  
12 incentives to the private entity or entities in trade  
13 for hydrogen as fuel for hydrogen operated state  
14 vehicles; and

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16 BE IT FURTHER RESOLVED that certified copies of this  
17 Concurrent Resolution be transmitted to the Assistant Secretary  
18 of the United States Office of Energy Efficiency & Renewable  
19 Energy, the Governor of Hawaii, the members of the Hawaii  
20 Hydrogen Initiative, and to each county council.

