
HOUSE 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

5
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, that the State of Hawaii is encouraged to renew
35 its commitment to clean energy by working with the United States
36 Department of Energy and the Hawaii Hydrogen Initiative to
37 implement hydrogen infrastructure in strategic areas throughout
38 the State on a timeline that is in alignment with that of fuel
39 cell vehicle manufacturers; and



1 BE IT FURTHER RESOLVED that certified copies of this
 2 Resolution be transmitted to the Assistant Secretary of the
 3 United States Office of Energy Efficiency & Renewable Energy,
 4 the Governor of Hawaii, and the members of the Hawaii Hydrogen
 5 Initiative.

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MAR 06 2014

