ASSEMBLY JOINT RESOLUTION No. 150

STATE OF NEW JERSEY 218th LEGISLATURE

INTRODUCED SEPTEMBER 13, 2018

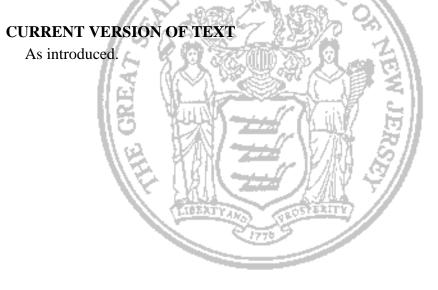
Sponsored by: Assemblyman GORDON M. JOHNSON District 37 (Bergen) Assemblyman HERB CONAWAY, JR. District 7 (Burlington) Assemblyman ERIC HOUGHTALING District 11 (Monmouth) Senator JAMES BEACH District 6 (Burlington and Camden) Senator CHRISTOPHER ''KIP'' BATEMAN District 16 (Hunterdon, Mercer, Middlesex and Somerset)

Co-Sponsored by: Assemblywoman Pinkin and Assemblyman Chiaravalloti

SYNOPSIS

Designates October 8 of each year as "Hydrogen and Fuel Cell Day" in NJ.

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(Sponsorship Updated As Of: 9/13/2019)

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1 2	A JOINT RESOLUTION designating October 8 of each year as "Hydrogen and Fuel Cell Day" in New Jersey.
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4 5	WHEREAS, Hydrogen is the most abundant chemical substance in the universe; and
6	WHEREAS, A fuel cell is an electrochemical device that uses hydrogen
7 8	or a hydrogen-rich fuel, and oxygen from the air to produce electricity, with water and heat as its only by-products; and
9	WHEREAS, Fuel cells utilizing hydrogen or hydrogen-rich fuels are
10	clean, efficient, and resilient technologies that can be used as a
11 12	primary or backup power source; in zero-emission light duty motor
12 13	vehicles, buses, and trucks; in heavy duty vehicles used in the logistics industry; and for portable power; and
13 14	WHEREAS, Stationary fuel cells can be used to provide reliable power
15	to both commercial and residential energy consumers; and
16	WHEREAS, Hydrogen fuel cell electric light duty motor vehicles,
17	buses, and trucks can replicate the range and refueling times of
18	internal combustion motor vehicles while operating at a higher
19	efficiency and emitting no pollutants; and
20	WHEREAS, Fuel cells can be used to power forklifts and port cargo
21	equipment used in the logistics industry, helping businesses in the
22	industry to reduce their environmental impact; and
23	WHEREAS, Portable hydrogen fuel cells can provide reliable power in
24	the event of a natural disaster and are useful in areas where the
25	electric power grid is non-existent, unavailable, or unreliable; and
26	WHEREAS, An economic analysis conducted by the Northeast
27	Electrochemical Energy Storage Cluster showed that in 2016, New
28	Jersey's hydrogen and fuel cell supply chain provided
29	approximately \$54 million in revenue and investment, more than
30	228 total jobs, over \$2.7 million in State and local tax revenue, and
31	about \$20 million in labor income; and
32	WHEREAS, Given New Jersey's high population density, proximity to
33 34	major cities, and its relatively high cost of electricity, it is in the best interests of the State to promote and expand the use of
34 35	efficient, clean, and cost-effective hydrogen and fuel cell
36	technologies; and
37	WHEREAS, Hydrogen and fuel cell technologies provide significant
38	opportunities for addressing important energy, environmental, and
39	economic issues in both New Jersey and the United States; and
40	WHEREAS, Hydrogen and Fuel Cell Day, celebrated nationally on
41	October 8 to recognize the atomic mass of hydrogen (1.008), brings
42	together industry, academia, national laboratories, government, and
43	other stakeholders to increase awareness of hydrogen and fuel cell
44	technologies and their benefits; now, therefore,
45	
46	BE IT RESOLVED by the Senate and General Assembly of the State
47	of New Jersey:

AJR150 JOHNSON, CONAWAY

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1 1. October 8 of each year shall be designated as "Hydrogen and 2 Fuel Cell Day" in New Jersey to bring together industry, academia, 3 research laboratories, government, and other stakeholders to 4 increase public awareness of hydrogen and fuel cell technologies 5 and their benefits to the United States' energy supply, environment, 6 and economy.

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8 2. The Governor is respectfully requested to issue a 9 proclamation each year calling upon public officials and the citizens 10 of this State to observe "Hydrogen and Fuel Cell Day" with 11 appropriate activities and programs.

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3. This joint resolution shall take effect immediately.

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STATEMENT

18 This joint resolution designates October 8 of each year as 19 "Hydrogen and Fuel Cell Day" in New Jersey to raise public 20 awareness of the usefulness of hydrogen fuel cell technologies as a 21 way of supplying clean, efficient, and resilient energy. October 8 is 22 designated to recognize these technologies because it matches the 23 atomic weight of hydrogen, which is 1.008.

24 Hydrogen fuel cells provide a range of benefits that can help 25 address many of the United States' most pressing energy, 26 environmental, and economic issues. Fuel cells use hydrogen, 27 which is the most abundant chemical substance in the universe, or a 28 hydrogen-rich fuel, and oxygen from the air to produce electricity, 29 with the only by-products being water and heat. Fuel cells utilizing 30 hydrogen or hydrogen-rich fuels can be used as a primary or backup 31 power source; in light duty motor vehicles, buses, and trucks; in 32 heavy duty vehicles used in the logistics industry; and for portable 33 power.

34 In addition to several key energy and environmental benefits that 35 hydrogen and fuel cell technologies offer, the hydrogen and fuel 36 cell industry in New Jersey provides significant contributions to the 37 Northeast region's economy. In 2016, the industry provided 38 approximately \$54 million in revenue and investment, more than 39 228 total jobs, over \$2.7 million in State and local tax revenue, and 40 approximately \$20 million in labor income. Given New Jersey's 41 high population density, prime location near major cities, and its 42 relatively high cost of electricity, it is in the best interests of the 43 State to promote and expand the use of efficient, clean, and cost-44 effective hydrogen and fuel cell technologies.