

118TH CONGRESS
1ST SESSION

S. RES. 414

Designating October 8, 2023, as “National Hydrogen and Fuel Cell Day”.

IN THE SENATE OF THE UNITED STATES

OCTOBER 18, 2023

Mr. GRAHAM (for himself, Mr. BLUMENTHAL, Mr. COONS, and Mr. MURPHY)
submitted the following resolution; which was considered and agreed to

RESOLUTION

Designating October 8, 2023, as “National Hydrogen and
Fuel Cell Day”.

Whereas hydrogen, which has an atomic mass of 1.008, is the
most abundant element in the universe;

Whereas the United States is a world leader in the develop-
ment and deployment of fuel cell and hydrogen tech-
nologies;

Whereas hydrogen fuel cells played an instrumental role in
the United States space program, helping the United
States achieve the mission of landing a man on the
Moon;

Whereas private industry, Federal and State governments,
national laboratories, and institutions of higher education
continue to improve fuel cell and hydrogen technologies

to address the most pressing energy, environmental, and economic issues of the United States;

Whereas fuel cells utilizing hydrogen and hydrogen-rich fuels to generate electricity are clean, efficient, safe, and resilient technologies being used for—

(1) stationary and backup power generation; and

(2) zero-emission transportation for light-duty vehicles, industrial vehicles, delivery vans, buses, trucks, trains, military vehicles, marine applications, and aerial vehicles;

Whereas stationary fuel cells are being placed in service for continuous and backup power to provide businesses and other energy consumers with reliable power in the event of grid outages;

Whereas stationary fuel cells can help reduce water use, as compared to traditional power generation technologies;

Whereas fuel cell electric vehicles that utilize hydrogen can mimic the experience of internal combustion vehicles, including comparable range and refueling times;

Whereas hydrogen fuel cell industrial vehicles are deployed at logistical hubs and warehouses across the United States and exported to facilities in Europe and Asia;

Whereas hydrogen is a nontoxic gas that can be derived from a variety of domestically available traditional and renewable resources, including solar, wind, biogas, and the abundant supply of natural gas in the United States;

Whereas hydrogen and fuel cells can store energy to help enhance the grid and maximize opportunities to deploy renewable energy;

Whereas the United States produces and uses approximately 10,000,000 metric tons of hydrogen per year;

Whereas engineers and safety code and standard professionals have developed consensus-based protocols for safe delivery, handling, and use of hydrogen; and

Whereas the ingenuity of the people of the United States is essential to paving the way for the future use of hydrogen technologies: Now, therefore, be it

- 1 *Resolved*, That the Senate designates October 8,
- 2 2023, as “National Hydrogen and Fuel Cell Day”.

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