May 13, 2025

The Honorable Mike Johnson
Speaker
United States House of Representatives
Washington, D.C. 20515

The Honorable Jason Smith
Chairman
United States House of Representatives
Washington, D.C. 20515

RE: Preserve the Section 45V Credit for Production of Clean Hydrogen

Dear Speaker Johnson and Chairman Smith,

On behalf of the below signed businesses and organizations, representing some of the most significant energy companies in the United States, we urgently request that you preserve the Section 45V Credit for Production of Clean Hydrogen as the House of Representatives processes its reconciliation legislation.

The Section 45V credit – and the industrial development and manufacturing capacity this incentive will spur – is poised to deliver major advantages to global competitiveness, national security, and economic impact to the United States.

45V Creates Jobs and Investments in the United States

The hydrogen industry promises to drive domestic economic growth through U.S. manufacturing as we scale-up. An estimated 9.8 million metric tons per annum ("mmtpa") of natural gas-based hydrogen capacity is in development across the U.S., which would nearly double America's existing hydrogen production volume. According to a recent analysis by Citizens for Responsible Energy Solutions (CRES), these projects could support around 60,000 jobs per year between 2025 and 2035 and generate more than $12 billion in annual GDP.[1] With supply chain and original equipment manufacturers (OEMs) located across the country, a McKinsey report states that with the right policies in place like 45V the hydrogen industry could generate 700,000 jobs by 2030 and generate $140 billion in revenue.[2]

Collectively, our industry has tens of billions of dollars of investments ready to be unleashed across the country. However, should the Section 45V credit by prematurely eliminated, phased down, or have major provisions such as transferability and direct pay removed, these investments and jobs will not come to be. The long-term political certainty that this credit offers is the key driver for many multinationals choosing to build massive hydrogen infrastructure investments and gigawatt scale factories in the United States. Without 45V, other countries, and particularly China, will pull further ahead in the race to fulfill global market demand for hydrogen-based energy molecules.

The United States Risks Ceding Hydrogen Leadership to China without 45V

There is growing global demand for hydrogen and hydrogen derivatives, and China is rapidly expanding its investments to meet that demand and dominate the global hydrogen supply chain. The United States cannot afford to fall behind.

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[1] The Economic Impact of Blue Hydrogen. Citizens for Responsible Energy Solutions. May 2025. https://cresforum.org/wp-content/uploads/2025/04/American-Blue-Hydrogen-04.16.25-CRES-Format_VF.pdf.
[2] Roadmap to a US Hydrogen Economy. 2020. https://fchea.org/wp-content/uploads/2024/07/RoadMaptoaUSHydrogenEconomyFullReport.pdf

For years, China has been aggressively investing in clean technology, and China has made global leadership in clean hydrogen a priority, and the country's political leaders have determined that manufacturing of hydrogen production technologies is a major economic and export opportunity. In 2020, China accounted for less than 10% of global manufacturing capacity but has now grown to over 60% of global capacity of these technologies. If the United States fails to make appropriate investments ourselves, we risk ceding leadership in a critical sector that will define the future of energy, manufacturing, and innovation.

45V Supports National Security, Energy Independence, and Agricultural Policy

Hydrogen can be uniquely produced from diverse and abundant energy resources, while reducing our reliance on imported fuels, strengthening our domestic energy infrastructure, and even supporting American farmers. For example, hydrogen developed from agricultural waste-derived renewable natural gas would accelerate hydrogen feedstock project growth that directly benefits rural communities. The Section 45V credit also provides American farmers with ammonia fertilizer made in America – rather than Russia or China. The ammonia generated from these projects are also highly sought after in the global market, increasing access to premium export opportunities and supporting U.S. trade balance.

Hydrogen technologies are also already serving mission critical applications in the United States, including the rapidly expanding data center sector. By encouraging investments in U.S. hydrogen, we enhance grid resilience and reduce exposure to geopolitical energy risks. Section 45V is a smart, forward-looking investment in a more secure and self-sufficient American energy system.

America Needs 45V for Global Hydrogen Dominance

Retaining the 45V incentive without new limitations will drive domestic innovation, manufacturing, and infrastructure development — ensuring America leads in the clean hydrogen economy, rather than ceding ground to strategic competitors. With political clarity and investment certainty, the 45V credit can catalyze tens of billions in private capital, revitalize domestic manufacturing, and create stable, long-term employment in construction, operations, and tech innovation. This is an unprecedented opportunity to build a modern energy workforce that is rooted in American talent and ingenuity.

On behalf of the undersigned organizations, we reiterate the critical need to maintain the Section 45V incentive, without any new restrictions that could dampen investment and the opportunity our sector holds for the United States. We stand ready to serve as a resource and share our industry's experience. Thank you for your consideration.

Sincerely,

American Petroleum Institute
National Association of Manufacturers
Fuel Cell and Hydrogen Energy Association
Appalachia Regional Clean Hydrogen Hub
Mid-Atlantic Clean Hydrogen Hub
Heartland Hydrogen Hub
HyVelocity Hydrogen Hub
Pacific Northwest Hydrogen Hub
American Biogas Council
Business Council for Sustainable Energy
California Hydrogen Business Council
Citizens for Responsible Energy Solutions
ClearPath Action
Clean Hydrogen Future Coalition
Coalition for Renewable Natural Gas
Nuclear Hydrogen Initiative
The Methanol Institute
Ohio Fuel Cell and Hydrogen Coalition
Renewable Hydrogen Alliance
Southeast Hydrogen Energy Alliance

Texas Hydrogen Alliance
Hydrogen Fuel Cell Bus Council

Air Water America Inc.
Airbus
Alameda-Contra Costa Transit District
Allegheny Science and Technology
Ambient Fuels
Avina Clean Hydrogen Inc.
Aymium
Ballard Power Systems, Inc.
BayoTech, Inc.
Bennett Pump
Center for Transportation and the Environment
CGI Gases and General Hydrogen Corp
Cummins
EcoEngineers
Electric Hydrogen
Element Resources Inc.
Emerson
Empire Diversified Energy
eNG Coalition
ENGIE North America, Inc.
Entergy Texas
EQT Corporation
FASTECH
Fidelis New Energy
Fiedler Group
First Ammonia
Fortescue
FRIEM America Inc.
Greentree Consulting LLC
Green Stewardship, LLC
H2 Ranch, LLC
H2B2 USA, LLC
Heraeus Precious Metals, NA
Hexagon Purus ASA
HIF Global
Hog Lick Aggregates
Honeywell Inc.
HyAxiom
HydroFleet, Inc.
Hyundai Motor North America
Independence Hydrogen
Ivys Energy Solutions
J.A. Paterson LLC, Energy & Environment Law
John Cockerill
Johnson Matthey Inc.
Kawasaki Heavy Industries
Koloma
Luxfer Gas Cylinders
Matagorda County Economic Development Corporation
Modern Hydrogen
Monolith
M.R.S. Enterprises
Nel Hydrogen
NeuVentus
Nexceris
NovoHydrogen
Olin
Plug Power
Port of Corpus Christi Authority
Port of Victoria
Port of Long Beach
Power to Hydrogen Inc.
Proteum Energy
Quest One North America, Inc.
Raven SR, Inc.
San Joaquin Regional Transit District
Saoradh Enterprise Partners
Schaeffler Group USA Inc.
Siemens Energy, Inc.
Sungas Renewables
TES
thyssenkrupp nucera USA Inc.
Titan Production Equipment
Topsoe
TotalEnergies
Toyota Motor North America
Toyota Tsusho America, Inc.
Twelve, Inc.
Verdagy Inc.
Victoria Economic Development Corporation
W. L. Gore & Associates
Yosemite Clean Energy, LLC
ZEV Station