

Hydrogen: CFTI Demonstrated Successes in the 117th Congress

Demonstration

- \$8 billion in the Infrastructure Investment and Jobs Act for multi-year funding through FY26 to support the development of Regional Clean Hydrogen Hubs.

Infrastructure

- The Infrastructure Investment and Jobs Act directed DOE to evaluate the potential of existing energy infrastructure to transport and store hydrogen.
- \$10 million in appropriations for research to develop hydrogen transportation and storage infrastructure, including the safety, mechanical integrity and regulatory impacts of blending hydrogen into existing natural gas pipelines.

Research and Development

- \$1 billion for a Clean Hydrogen Electrolysis Program to reduce costs of hydrogen produced from clean electricity.
- \$500 million for Clean Hydrogen Manufacturing and Recycling Initiatives to support equipment manufacturing and strong domestic supply chains.
- \$225 million in appropriations for the U.S. Department of Energy to maintain a diverse program that focuses on early-, mid-, and late-stage research and development and technology acceleration, including \$100 million for the H2@Scale program.
- \$121 million in appropriations for the research, development, and demonstration of solid oxide fuel cell systems and hydrogen production, transport, storage, and use systems.

Deployment

- Establishment of hydrogen production tax credit and investment tax credit under Inflation Reduction Act. If prevailing wage and apprenticeship requirements are met, production tax credit:
 - \$3.00 for clean hydrogen with lifecycle carbon intensity < 0.45 kg CO₂e / kg H₂
 - \$1.00 for clean hydrogen with lifecycle carbon intensity 0.45-1.5 kg CO₂e / kg H₂
 - \$0.75 for clean hydrogen with lifecycle carbon intensity 1.5-2.5 kg CO₂e / kg H₂
 - \$0.60 for clean hydrogen with lifecycle carbon intensity 2.5-4.0 kg CO₂e / kg H₂