HR 4909

Clean Hydrogen Energy Act

Congress: 117 (2021–2023, Ended)
Chamber: House
Policy Area: Energy
Introduced: Aug 3, 2021
Current Status: Referred to the Subcommittee on Energy.
Latest Action: Referred to the Subcommittee on Energy. (Aug 4, 2021)
Official Text: https://www.congress.gov/bill/117th-congress/house-bill/4909

Sponsor

Name: Rep. Doyle, Michael F. [D-PA-18]
Party: Democratic • **State:** PA • **Chamber:** House

Cosponsors (2 total)

Cosponsor	Party / State	Role	Date Joined
Rep. Fitzpatrick, Brian K. [R-PA-1]	R · PA		Aug 3, 2021
Rep. Lamb, Conor [D-PA-17]	D · PA		Aug 3, 2021

Committee Activity

Committee	Chamber	Activity	Date
Energy and Commerce Committee	House	Referred to	Aug 4, 2021
Science, Space, and Technology Committee	House	Referred to	Aug 3, 2021

Subjects & Policy Tags

Policy Area:

Energy

Related Bills

Bill	Relationship	Last Action
117 HR 3684	Related bill	**Aug 4, 2022:** Committee on Banking, Housing, and Urban Affairs. Hearings held.
117 S 2377	Related bill	**Jul 19, 2021:** Placed on Senate Legislative Calendar under General Orders. Calendar No. 104.

Summary (as of Aug 3, 2021)

Clean Hydrogen Energy Act

This bill sets forth provisions to advance the research, development, demonstration, and deployment of hydrogen gas that is produced in compliance with greenhouse gas emission standards established by this bill.

Specifically, the bill expands an existing hydrogen research and development program of the Department of Energy (DOE) established under the Energy Policy Act of 2005. For example, the bill establishes a new program goal to demonstrate a standard of clean hydrogen production in the transportation (i.e., vehicles, locomotives, airplanes, and maritime vessels), utility, industrial, commercial, and residential sectors by 2040.

The bill also requires DOE to establish a program that supports the development of regional clean hydrogen hubs.

In carrying out those programs, DOE must award grants for research, development, and demonstration projects to advance new clean hydrogen production, processing, delivery, storage, and use equipment manufacturing technologies and techniques.

DOE must also develop a technologically and economically feasible national strategy and road map to facilitate wide scale production, processing, delivery, storage, and use of clean hydrogen.

In addition, DOE must establish a research, development, demonstration, commercialization, and deployment program to improve the efficiency, increase the durability, and reduce the cost of producing hydrogen using electrolyzers. *Electrolyzers* are systems that produce hydrogen using electrolysis, a process that uses electricity to split water into hydrogen and oxygen. In carrying out the program, DOE must award grants for projects that reduce the cost of hydrogen produced using electrolyzers as specified by the bill.

Actions Timeline

- **Aug 4, 2021:** Referred to the Subcommittee on Energy.
- **Aug 3, 2021:** Introduced in House
- **Aug 3, 2021:** Referred to the Committee on Science, Space, and Technology, and in addition to the Committee on Energy and Commerce, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned.
- **Aug 3, 2021:** Referred to the Subcommittee on Energy.