

Regional Clean Hydrogen Hub Awards and Next Steps

On October 13, the Biden-Harris Administration announced seven Hydrogen Hub projects selected for award negotiations. Totalling \$7 billion from the federal government, the investment will be joined by more than \$40 billion in selectee cost share.

These Hubs are expected to create tens of thousands of new jobs and reduce national carbon dioxide emissions by 25 million metric tons.

Hydrogen Hub Timeline

Award negotiations to finalize projects details and exact dollar amounts will take place in the upcoming months. Local stakeholders will have opportunities to engage with both DOE and Hub projects, starting during the negotiation process and extending throughout the full lifecycle of each project.



Hydrogen Hub Next Steps

Throughout October and November, DOE will co-host individual virtual briefings for each hub awardee provide more detailed information on the selected projects and future opportunities for engagement.

For questions for DOE or the selected applicants, DOE has set-up an email address for engagement at Engage_H2Hubs@hq.doe.gov

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Below is an overview of Hydrogen Hub award selectees including the expected award amount, region location, as well as hydrogen production, midstream, and end-use applications supported.

Name/Federal Cost Share	Location	Production	Midstream	End Uses
Appalachian Hydrogen Hub (ARCH2) Up to \$925 million	Ohio, Pennsylvania, West Virginia	Hydrogen produced from natural gas, with carbon capture and storage	Hydrogen pipelines, hydrogen fueling stations, permanent CO2 storage	Fuel cell electric mining vehicles, heavy-duty vehicles, heavy industry
California Hydrogen Hub (ARCHES) Up to \$1.2 billion	California	Electrolysis	Freight network between California and Pacific Northwest Hub, hydrogen fueling stations	Backup power generation, heavy-duty vehicles, port equipment, public transit
Gulf Coast Hydrogen Hub (HyVelocity H2Hub) Up to \$1.2 billion	Texas	Electrolysis, hydrogen produced from natural gas, with carbon capture and storage	Hydrogen pipeline, salt cavern storage, hydrogen refueling stations	Heavy-duty vehicles, power generation, ammonia, refineries/petrochemicals, marine fuel
Heartland Hydrogen Hub (HH2H) Up to \$925 million	Minnesota, North Dakota, South Dakota	Electrolysis, Biomass Gasification	Open access to storage and pipeline infrastructure	Fertilizer, power generation
Mid-Atlantic Clean Hydrogen Hub (MACH2) Up to \$750 million	Delaware, New Jersey, Pennsylvania	Electrolysis	Expanded pipeline infrastructure, upgraded bus mechanic depots, hydrogen refueling stations	Heavy duty vehicles, refuse and sweeper trucks, power generation, combined heat and power
Midwest Hydrogen Hub (MachH2) Up to \$1 billion	Illinois, Indiana, Michigan	Electrolysis, hydrogen produced from natural gas, with carbon capture and storage	Hydrogen refueling stations	Steel and glass production, power generation, refining, heavy-duty vehicles, sustainable aviation fuel
Pacific Northwest Hydrogen Hub (PNWH2) Up to \$1 billion	Montana, Oregon, Washington	Electrolysis	Freight network between California and Pacific Northwest Hubs	Heavy-duty vehicles, ports, refining, peaking plants/generators, refineries, data centers