

This is a Request for Information (RFI) for Market Research ONLY. No awards will be made as a direct result of any submission in response to this request. WV H2Hub is particularly interested in responses from WV-based entities; however, any organization with relevant expertise is invited to respond.

BACKGROUND: The West Virginia (WV) Hydrogen Hub (H2Hub) Coalition is a collaboration of West Virginia elected officials, universities, trade organizations, labor organizations and others, representing the ample opportunities regarding energy production and manufacturing within the borders of the state.

On March 21, 2022, WV H2Hub Coalition submitted their official response to the U.S. Department of Energy's (DOE) first step in the process to select winning hydrogen hubs funded by the recently passed bipartisan *Infrastructure Investment and Jobs Act (Public Law 117-58)*. The Infrastructure Investment and Jobs Act included \$9.5B for hydrogen, including \$8B for Regional Clean Hydrogen Hubs that will jumpstart the production, transport, and use of clean hydrogen across the U.S. economy; \$1B for a Clean Hydrogen Electrolysis Program to reduce costs of hydrogen produced from clean electricity; and \$500M for Clean Hydrogen Manufacturing and Recycling initiatives to support equipment manufacturing and strong domestic supply chains.

In the September / October 2022 timeframe, the Department of Energy (DOE) Office of Clean Energy Demonstrations (OCED) intends to issue a Funding Opportunity Announcement (FOA) entitled "Regional Clean Hydrogen Hubs" (H2Hubs) in collaboration with the Energy Efficiency and Renewable Energy's (EERE) Hydrogen and Fuel Cell Technologies Office (HFTO) and the DOE Hydrogen Program, which includes multiple offices engaged in hydrogen related technologies across DOE.

WV H2Hub solicits statements of interest and capability from entities, with relevant expertise and/or hub-related assets, that can add value to an application. Prior to submitting any response, WV H2Hub encourages all interested parties to review and ensure familiarity with relevant legislation and related documentation, including:

[DOE Establishes Bipartisan Infrastructure Law's \\$9.5 Billion Clean Hydrogen Initiatives](#)

[Primer on Hydrogen Provisions in the Infrastructure Investment and Jobs Act](#)

[West Virginia Hydrogen Hub Coalition Takes Next Step To Secure Hub In West Virginia](#)

INSTRUCTIONS:

WV H2Hub requests a brief, written response to the following:

1. Organization Information:
 - a. Name
 - b. Headquarters Address
 - c. Primary location in WV or the Appalachian Region, (if different from headquarters)
 - d. Primary POC: Name, Title, Email, Phone
 - e. Annual Revenue
 - f. Number of Employees / Associates
 - g. Other, as applicable:
 - Business size: 8(a) Business / HUBZone Small Business / Service-Disabled Veteran-Owned Small Business / Small Business / Large Business
 - SAM registration and Unique Entity Identification (UEI).
 - North American Industry Classification System (NAICS) Code.
2. Description of expertise (including location and years of experience) relevant to **one or more** of the following, as applicable:
 - a. Capabilities related to Management & Operations of facilities
 - Business Development & Management
 - Engineering, Procurement, & Construction

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- Permitting & Safety
 - Community Engagement
 - Technical Analysis & Data Management
- b. Applicable expertise to Support the Planning, Design, Permitting, Financing, Construction, or Operation of a Regional H2Hub
- Upstream (i.e., Hydrogen PRODUCTION) Expertise
 - Hydrogen Generation Power Source (Nuclear Power, Renewable Sources, Fossil Fuels w / CCUS)
 - Clean Hydrogen Power Generation Capability: Meeting the Clean H2 Standard of 2kg CO2/kg H2 (Blue Hydrogen, Green Hydrogen, Pink Hydrogen)
 - Midstream (i.e., TRANSPORTATION Infrastructure) Expertise
 - Conventional Storage
 - Over Road Transportation
 - Waterborne Transportation
 - Pipeline Transportation
 - Downstream (i.e., DEMAND / Hydrogen Users) Expertise
 - Electricity Generation/Fuel Cells
 - Vehicle Fueling Stations
 - Synthetic Fuel Production
 - Upgrading Oil / Biomass Production
 - Ammonia / Fertilizer Production
 - Metals Production
 - Chemical / Industrial Process Use
 - Residential & Commercial Heating
- c. Other expertise that may be applicable to this effort: fully describe the expertise and its relevance to WV H2Hub's goal to locate a Hydrogen Hub in WV
3. Description of assets, in WV or the Appalachian Region, that are relevant to **one or more** of the following, as applicable:
- a. Applicable Assets to Support the Planning, Design, Permitting, Financing, Construction, or Operation of a Regional H2Hub
- Upstream Assets (i.e., Hydrogen PRODUCTION) Assets
 - Hydrogen Generation Power Source (Nuclear Power, Renewable Sources, Fossil Fuels w / CCUS)
 - Clean Hydrogen Power Generation Capability: Meeting the Clean H2 Standard of 2kg CO2/kg H2 (Blue Hydrogen, Green Hydrogen, Pink Hydrogen)
 - Midstream Assets (i.e., TRANSPORTATION Infrastructure) Assets
 - Conventional Storage
 - Over Road Transportation
 - Waterborne Transportation
 - Pipeline Transportation
 - Downstream Assets (i.e., DEMAND / Hydrogen Users)
 - Electricity Generation/Fuel Cells
 - Vehicle Fueling Stations
 - Synthetic Fuel Production
 - Upgrading Oil / Biomass Production
 - Ammonia / Fertilizer Production
 - Metals Production
 - Chemical / Industrial Process Use
 - Residential & Commercial Heating
- b. Other assets that may be applicable to this effort: fully describe the asset/expertise and its relevance to WV H2Hub's goal to locate a Hydrogen Hub in WV.
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4. It is expected that the H2Hubs FOA award will include a cost-sharing requirement. Will your firm commit to a cost-share contribution?
5. Description of ability to contribute to the reduction of greenhouse gases over the full lifecycle.
6. Description (including amount, purpose, and source) of any previous funding received from DOE for work related to hydrogen hub technologies or goals. If none, respond: "N/A."

No more than five pages (not including Cover Page) should be submitted using no less than 10 pt. Times New Roman font (including tables and graphics). Responses to this RFI should be submitted in Adobe Acrobat Portable Document Format (PDF) and emailed to WVH2Hub@gmail.com no later than **12:00PM EST on Tuesday, July 26, 2022.**

Formal quotations are NOT requested at this time. Attachments are NOT permitted.

WV H2Hub will accept questions until 5:00PM EST, on Friday, July 22, 2022. Submit questions to WVH2Hub@gmail.com. Questions and answers will be published via Constant Contact.