Mid-Atlantic Clean Hydrogen Hub

Dedicated Hydrogen Producers and Pipeline Logistics

Request for Information

January 15, 2026

Confidentiality Instructions

Respondents should not include business sensitive information (e.g., commercial or financial information that is privilege or confidential), trade secrets, proprietary, or otherwise confidential information in their response unless such information is necessary to convey an understanding of the proposed project or to comply with a requirement of this RFI. Respondents are advised to not include any critically sensitive proprietary detail.

If a response includes trade secrets or information that is commercial or financial, or information that is confidential or privileged, it is furnished to MACH2 and the Department of Energy (DOE) in confidence with the understanding that the information shall be used or disclosed only for evaluation of the response. Such information will be withheld from public disclosure to the extent permitted by law, including the Freedom of Information Act. Without assuming any liability for inadvertent disclosure, MACH2 and DOE will seek to limit disclosure of such information to its employees, potential end user(s) and to outside reviewers when necessary for merit review of the application or as otherwise authorized by law. This restriction does not limit MACH2 and DOE's right to use the information if it is obtained from another source.

Full responses, and other submissions containing confidential, proprietary, or privileged information must be marked as described below. Failure to comply with these marking requirements may result in the disclosure of the unmarked information under the Freedom of Information Act or otherwise. MACH2 and the U.S. Government are not liable for the disclosure or use of unmarked information and may use or disclose such information for any purpose.

The cover sheet of the RFI response, and other submissions must be marked as follows and identify the specific pages containing trade secrets, confidential, proprietary, or privileged information:

> **Notice of Restriction on Disclosure and Use of Data:**
> Pages [list applicable pages] of this document may contain trade secrets, confidential, proprietary, or privileged information that is exempt from public disclosure. Such information shall be used or disclosed only for evaluation purposes or in accordance with a financial assistance or loan agreement between the submitter and MACH2. MACH2 may use or disclose any information that is not appropriately marked or otherwise restricted, regardless of source. [End of Notice]

The header and footer of every page that contains confidential, proprietary, or privileged information must be marked as follows: "Contains Trade Secrets, Confidential, Proprietary, or Privileged Information Exempt from Public Disclosure." In addition, each line or paragraph containing proprietary, privileged, or trade secret information must be clearly marked with double brackets or highlighting proposed project or to comply with a requirement in the FOA. Respondents are advised to not include any critically sensitive proprietary detail.

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1.0 MACH2 Overview

The Mid-Atlantic Clean Hydrogen Hub (MACH2) has been selected by the U.S. Department of Energy's (DOE) Office of Clean Energy Demonstrations (OCED) to develop a Regional Clean Hydrogen Hub. The Regional Clean Hydrogen Hub (H2Hub) Program will kickstart a national network of clean hydrogen producers, consumers, and connective infrastructure while supporting the production, storage, delivery, and end-use of clean hydrogen. Funded by the Bipartisan Infrastructure Law, the H2Hubs will accelerate the commercial-scale deployment of clean hydrogen—helping generate clean, dispatchable power, create a new form of energy storage, and decarbonize heavy industry and transportation.

MACH2 aims to drive decarbonization and economic development in hard to abate sectors, having a lasting impact on a broad range of industrial economies and communities across Delaware, southeastern Pennsylvania, and southern New Jersey. The vision of the Mid-Atlantic Clean Hydrogen Hub (MACH2) is to create a clean and economically viable hydrogen ecosystem that repurposes legacy fossil-fuel infrastructure, revitalizes local communities, and advances a national clean hydrogen network.

The Hub will develop an interconnected (including hydrogen pipelines) network of clean hydrogen producers and end-users to drive decarbonization, health, and economic benefits across the state of Delaware, southeastern Pennsylvania, and southern New Jersey. MACH2 has strategic proximity to innovation centers and intends to demonstrate a broad spectrum of production technologies and end-uses for clean hydrogen fuel, including transportation in urban settings. MACH2 has been shaped through strong collaboration and will strive to continue to include the voices and needs of local industry, community, and labor organizations in its vision and direction.

MACH2 is a 501c3 pass-through non-profit entity recipient of the Office of Clean Energy Demonstrations' Clean H2 Hubs Award, created with the goal of managing the Award and the Hub. The Hub is comprised of said pass-through entity and 20+ projects executed by approximately 12 organizations with project types spanning hydrogen production, consumption, and transportation in partnership with educational institutions. These partner organizations seek to advance the vision of the Hub through the fulfillment of the Hub's core objectives.

2.0 Request for Information

On behalf of a dedicated off-taker in the MACH2 network. MACH2 is seeking to add 50 metric tons-per-day of continuous hydrogen production to its current portfolio in a manner that demonstrates alignment with the vision, values, and goals outlined above. This Request for Information (RFI) is an opportunity for new and existing partners to showcase transformative hydrogen projects aligned with the Department of Energy's goals for a clean hydrogen economy and indicate their interest in partnering with the Hub. In the coming months, this RFI will be followed by a formal Request for Proposals (RFP) for projects wishing to seek federal funding to offset the cost of becoming a hydrogen producer with federal DOE funding.

2.1 Project Timelines

As outlined in our agreement with the US Department of Energy, MACH2 and our associated production projects will progress through the following phases of project development:

Phase	Timeframe
Phase 1: Conceptual Design	12-18 months; 15 months target
Phase 2: Project Development, Permitting, and Finance	~2-3 years; 33 months target
Phase 3: Construction	~2-4 years; 36 months target
Phase 4: Operations and Sustainment	~2-4 years; 36 months target

Hydrogen production projects are scheduled to become fully operational by 2032. Hydrogen producers who require federal matching funds will be required to progress through all four project phases.

2.2 Who Should Respond

- Hydrogen producers with pipeline capabilities or access or the ability to develop pipeline capabilities or access who are interested in becoming subrecipients and developing projects as part of the Mid Atlantic Clean Hydrogen Hub.
- Large and small hydrogen producers are encouraged to apply.
- Submissions may be submitted by new interested applicants, previous applicants, or by existing MACH2 Hub members.

2.3 Project Qualifications

- Project shall be capable of delivering to a custody transfer location to be defined by an offtake agreement.
- Production facility must be capable of up to 50 MT/day of continuous capacity of hydrogen for heat and power purposes.
- H2 Lifecycle Emissions – Maximum of 4.0 kg of CO2 equivalent emissions per kg of hydrogen produced.
- H2 Pressure – Not less than 400 PSIG at custody transfer location
- H2 Temperature – 100° F or less
- H2 delivery rate – Delivery at a continuous rate in kg of h2 per hour, 24 hours per day, 365 days per year (Producer and logistic pipeline to provide rate in the RFI response)
- Delivery method – H2 must be deliverable via new or existing H2 pipeline or pipeline in other service that can be modified (if required) and approved for H2 transportation).
- Pricing – Consumer is seeking a low-cost solution. Delivered H2 should be targeted to a price of $1/kilogram, or as close as possible to this target.
- A contingency plan must be in place that provides for continuous and redundant supply in

case of unplanned or maintenance-related outages by either party.

- Demonstrated compliance with all applicable PHMSA, PAPUC and FERC regulations and/or tariffs.

3.0 Submission Requirements

Submissions should include a detailed project description to provide MACH2 with the necessary information to determine if the projects are of interest to and would further the goals of MACH2.

3.1 Cover Letter

- Company or Organization name, etc.
- Primary points of contact (name, title, address, phone, email)
- Explain your interest in partnering with MACH2
- Provide a brief summary of the scope of your production and delivery project including pipeline logistics. Please include all applicable details relevant to understanding the proposed final clean hydrogen production and delivered product.

3.2 Table of Contents and Figures

3.3 Project Description

The response should address the points below to the extent practicable based on the scope of the proposed project. Additional information may be included as appropriate.

- Project description
- Site and maturity of project
- Technology leveraged
- Current and planned feed stock position
- Projected hydrogen output
- Size of pipeline
- Rate and pressure details
- Level of carbon intensity
- Temperature and PSI
- Provide any unique or ancillary benefits
- Project expected schedule

3.4 Project financials

If capital upgrades will be required to enable H2 production, please indicate whether the project will seek to be considered for federal funding to offset the expected cost.

- Indicate total projected project costs required to enable H2 production (if known).
- Indicate if the project is interested in consideration for federal funding to offset a portion of the capital upgrades required to enable H2 production.
- Describe any other elements of your project financing plan not included above (optional).
- Federal funding requirements must follow the T&Cs established by DOE/OCED, see section 6.

3.5 Previous Experience

Provide details on previous experience in developing projects of similar scope.

4.0 Evaluation and Response to Submissions

Submissions will be evaluated by MACH2 for the purposes of 1) identifying one or more potential H2 producers to supply 50 TPD of H2 to a dedicated off-taker located in the MACH2 network and 2) informing an upcoming RFP for federally-funded subrecipients in alignment with DOE requirements.

MACH2 will evaluate each submission for overall viability and alignment with programmatic goals but submissions will not be individually scored.

For the purposes of identifying potential project partners, evaluation criteria will include:

- The applicant clearly describes the proposed scope of the project.
- The applicant has identified a preliminary project development plan and timeline, including a finance plan.
- If federal funding is required, the applicant and proposed team have the qualifications, experience, capabilities, and other resources necessary to design, develop, build, and operate the proposed project.
- The proposed work, if successfully accomplished, would meet the objectives of MACH2, including achieving market liftoff and attracting follow-on investments from the private sector to build out a national clean hydrogen network.

MACH2 will respond to interested project partners with feedback on their proposed projects.

5.0 Submission Timeline

The table below shows dates relevant to submissions for this RFI. All correspondence, including notices of intent, questions, and final submissions, should be sent to mcitron@mach-2.com.

RFI Open	Thursday, January 15, 2025
Questions and Notification of Interest* Due	Friday, January 23, 2026
Q&A Posted	Friday, February 6, 2026
Response Date	Friday, February 20, 2026

**All firms are welcome to submit a response regardless of notification.*

6.0 Terms and Conditions

Detailed information on the MACH2 cooperative agreement with DOE will not be provided at this time; however, interested applicants should be aware of the following highlights of the flow down terms and conditions.

- Projects must be able to comply with the applicable requirements of 2 CFR 200 Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards and 2 CFR 910 Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards
- Projects must comply with all applicable Federal, Tribal, State, and Local laws and regulations for all activities performed under an award including
- National Environmental Policy Act (NEPA), 42 USC §§ 4321 et seq., and implementing regulations at 40 CFR Parts 1500 et seq. and 10 CFR Part 1021
- Build America, Buy America Act under Division G, Title IX of the Infrastructure Investment and Jobs Act (IIJA), Public Law 117–58
- Applicants proposing projects that are foreign entities, anticipate work performed outside of the United States, or that intend to use foreign nationals to execute some or all of the scope will require specific authorization from OCED.