

Mid-Atlantic Clean Hydrogen Hub (MACH2) RFI Question Submissions

Question
The RFI indicates H2 Lifecycle Emissions at a maximum of 4.0kg of CO2 equivalents per kg of hydrogen produced. Does MACH2 have a preferred color of hydrogen? Is there a preferred production technology?
What is the term of the potential contract resulting from this RFI and subsequent RFP? When does supply need to begin and do we need a binding offtake agreement in place before proposal submission?
According to the MACH2 website, no producer will use waste-to-power to facilitate hydrogen production. Does this include the scenarios such as gasification of waste biomass or the production of hydrogen through wood-waste gasification?
What is the intended end use for hydrogen produced through the MACH2 initiative? Please provide more detail beyond "heat and power".
Please describe the current infrastructure readiness for the MACH2 ecosystem, including planned transportation corridors and expected off takers.
Should the listed hydrogen production target of 50 metric tons per day be achieved through one (1) project or multiple projects? Is there a minimum daily production target?
At the potential custody transfer point, are there strict parameters on the delivery of hydrogen? Does the delivery of pure hydrogen need to occur through a dedicated pipeline or will MACH2 consider alternatives such as a natural gas-to-hydrogen blend or the use of pyrolysis available as options?
Please clarify the pricing target of approximately 1 USD per kg of delivered hydrogen. Does this refer to the price at the custody transfer point or an all-in price that includes CAPEX, OPEX and transportation costs?
We request clarification on communication protocols and expected response times for inquiries directed to the designated DOE Contracting Officer. Additionally, given recent federal clean energy funding activity, we request any available guidance from MACH2 on whether evolving federal priorities may influence projected hub timelines, contract structures, or award processes. This information is necessary for risk assessment, project planning, and development of contingency strategies aligned with RFI requirements.
We request updated information regarding DOE responsiveness to the current award agreement terms. Additionally, we seek clarification on MACH2's status within the Phase 1 process and whether MACH2 has submitted its continuation application to proceed into Phase 2.
Is there a specific hydrogen purity requirement?
Is oxygen required? If so, what is the purity requirement?
Is there a min-max length for the RFI response?
Given the current stage of our technology and company, do you see it as reasonable to propose an initial pilot with an offtaker within the MACH2 ecosystem, prior to building a full-scale production unit, and then scale that solution once it has been validated? Even in the case where that initial pilot is not funded through federal programs or directly by the offtaker.
At this RFI stage, is it acceptable for regulatory compliance (PHMSA, FERC, and state-level regulations) to be addressed through local partners within a consortium, rather than requiring the technology provider to independently demonstrate full compliance from the outset?

Knowing our solution and the stage we are at, what do you think could be most differentiated and relevant for MACH2 at this stage? From our side, we see value in decentralized hydrogen production at the point of consumption, with reduced need for new infrastructure, but we would like to understand whether that approach would be valued in this RFI or whether it would be better to emphasize other aspects.

From your experience, what would you recommend prioritizing in the RFI response to maximize the chances of being invited to the subsequent RFP?

For the ≤ 4.0 kg CO₂e per kg H₂ threshold, is a full lifecycle assessment expected at this stage, or is a preliminary estimate based on GREET or another justified methodology acceptable?

Are there any limitations or specific considerations at this stage of the RFI for projects whose technology was developed outside of the United States, provided that project implementation and operation take place within the country?

Is any level of exclusivity expected from the hydrogen producer with respect to the identified offtaker, or is shared production across multiple customers considered acceptable?

We would be curious to know more of how MACH2 sees additional producers of H₂ would play into the current mix of providers in the MACH2 Infrastructure?

What are the expectations of this project to produce electricity versus just the hydrogen itself?

The client's target price for hydrogen with a CI under 4 kg CO₂ / kg H₂ is fairly ambitious - given the direction of incentives and availability of hub funding, does the client have a specific technology in mind when requesting a price of \$1/kg?

For how long does the client require the supply of 50 tpd?

We can either act as a supplier of hydrogen production equipment or as a supplier of hydrogen 'over the fence' - is this agreeable or do you require a full offer at this stage? (We do not currently have pipeline capability in-house).

If yes, please share further information such as headroom in the power and natural gas networks, and proximity to road and rail connections.

For the purposes of ensuring a fair comparison, is there a prevailing cost for power and natural gas that the Hub would like us to use in calculating our LCOH?

Are there CCUS projects or the potential for same within proximity of the client's site?

What is the deadline to submit an expression of interest / response?

What is the preferred submission method (portal link or email), and is there a required format/template?

What financing is made available for a hydrogen facility?

Is this scenario an offtake agreement with the client or a facility sale to the client?

A 50 MT/day H₂ pipeline is a tricky requirement; this is such a low amount that freight would be a lot easier and cheaper. Should we think about expanding the output?

How much funding is available within the MACH2 hub in federal and state funds for accepted hydrogen production projects that is not contingent on receiving additional funds from DOE?

With the DOE canceling the funding to hydrogen hubs, is this hub able to fund future hydrogen projects with state funding?

Would MACH2 consider a Contract for Difference (CFD) scenario for the first few years of production as an option for funding under the hub to help producer meet the desired price point?