

Mid-Atlantic Clean Hydrogen Hub (MACH2) February 2026 RFI – Questions & Answers

#	Question	Answer
1	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?	<p>MACH2 is not expressing a preference or requirement for any specific 'color' of hydrogen in this RFI. To be responsive to this RFI the hydrogen produced needs to meet the standard of a maximum lifecycle emissions of 4.0 kg of CO2 equivalent emissions per kg of hydrogen produced, at a target of \$1 per kg.</p> <p>As mentioned, there are several methods of hydrogen production which could qualify, each with their own benefits and trade-offs. We will look to the respondents to identify the production method they will utilize to satisfy the lifecycle emissions requirement while also meeting the other delivery requirements.</p>
2	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?	<p>Our offtake partner is envisioning that, contingent on the ongoing price-competitiveness of hydrogen, the selected producer will deliver hydrogen for the continuing life of their plant. Based on established plant maintenance timelines, the supply will need to begin by 2033, with the full 50 TPD being available as of 2033. The offtaker will establish a binding offtake agreement as part of their process for selecting a provider to meet the 50 tons of hydrogen per day.</p>
3	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?	<p>MACH2 will not entertain any proposals involving incineration as a source for hydrogen production.</p> <p>Gasification is a different process than incineration. Proposals that involved wood gasification will be considered. Projects that involve bio-mass or waste gasification may be considered, however, those proposal should include an explanation of how they will mitigate pollution and emission concerns that may result from those projects.</p>

4	What is the intended end use for hydrogen produced through the MACH2 initiative?	Clean hydrogen produced within the hub will have a variety of uses including, but not limited to: clear dispatchable power, energy storage and decarbonization for heavy industry and transportation.
5	Please provide more detail beyond "heat and power".	The offtake provider for this 50 tons a day will be using the hydrogen for onsite heat and power, particularly by using the hydrogen as a low/no carbon replacement for natural gas.
6	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?	<p>Ideally, the stated production goal of 50 metric tons per day will be achieved through one individual project.</p> <p>Respondents are also encouraged to include plans for onsite storage, equal to 3 days of total production at provider's site.</p>
7	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?	<p>The offtake partner is not interested in behind the meter hydrogen production. The offtake partner requires pipeline to their fence. The offtake partner is targeting 99.9% hydrogen purity, but recognize there may be upsets and other variations throughout the year. Variations in hydrogen purity of up to +/- 5% may be allowable, but should be explained in any response.</p> <p>Important: Respondents should list any known impurities in their hydrogen, and the percentage of those impurities.</p>

8	<p>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. Is this price meant to be the delivered end-user price (after pipeline transmission) or the producer/gate price before transmission?</p>	<p>The price listed represents all costs, end to end, after transmission.</p>
9	<p>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.</p>	<p>As outlined in the RFI, any respondent to this RFI that is seeking federal matching funds will adhere to the four-phase format established for the MACH2 award.</p> <p>MACH2 is in regular contact with the U.S. DOE contracting officer and is continuing full steam ahead. All awards under this contract are subject to U.S. DOE approval and continuation of funding allocations established by our existing cooperative agreement.</p>
10	<p>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.</p>	<p>MACH2 has been meeting and continues to meet with our counterparts at U.S. DOE on a weekly basis. We have submitted our continuation application to enter Phase 2 of our federal award. U.S. DOE has acknowledged receipt and in the process of reviewing the application. At present our understanding is that MACH2 is on timeline to advance to the next phase of our award.</p>
11	<p>Is there a specific hydrogen purity requirement?</p>	<p>The target for responses is 99.9% purity. Respondents should list any potential impurities in their proposed hydrogen production solution. See the response to Question 7, above for more details.</p>

12	Is oxygen required? If so, what is the purity requirement?	No. Oxygen is not requested and should not be included in responses to this RFI due to plant safety concerns.
13	Is there a min-max length for the RFI response?	No, there is no min-max length for the RFI response. Respondents are encouraged to share the level of detail they believe is necessary to successfully address our questions.
14	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.	MACH2 is looking for projects that are reasonable and feasible within the existing and anticipated operating environment for Hydrogen production and offtake. Projects are also expected to meet the timeframes established by MACH2 and U.S. DOE.
15	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?	Respondents should include a narrative on how they will meet applicable permitting and compliance requirements by the delivery date of 2033.

16	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.	Respondents should prepare solutions that they believe will best meet the hydrogen production goals outlined in the RFI.
17	From your experience, what would you recommend prioritizing in the RFI response to maximize the chances of being invited to the subsequent RFP?	Our offtake partner is looking for proposals that can closely match the technical and cost requirements outlined in the RFI.
18	For the ≤ 4.0 kg CO ₂ e per kg H ₂ threshold, is a full lifecycle assessment expected at this stage, or is a preliminary estimate based on GREET or another justified methodology acceptable?	A lifecycle analysis is not needed at this stage; however, one will be required for future RFP responses. Additionally, a lifecycle analysis will be required if a project is seeking federal matching funds.
19	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?	<p>If project implementation and operation take place within the U.S., there are no additional considerations at this time. Please note, all federally funded work has to be performed in the U.S.</p> <p>National security, export control, and foreign risk restrictions apply, regardless of where the technology originated. No work, IP transfer, manufacturing, or services may occur outside the U.S using award funds without U.S. DOE approval.</p>

20	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?	Exclusivity is not required as long as the producer is able to meet the 50 tons per day threshold. Additionally, RFI respondents should offer thoughts on a contingency plan to mitigate against possible delivery issues and ensure 50 TPD of hydrogen production.
21	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?	MACH2 continues to assess how additional hydrogen producers may complement and strengthen the Hub's developing ecosystem. At this stage, the mix of subrecipients and production partners is still being refined, and we are evaluating how prospective producers could align with the Hub's infrastructure, offtake needs, and long-term deployment strategy. As the ecosystem evolves, MACH2 expects to integrate new producers where their capabilities, scale, and delivery approach support the Hub's overarching objectives.
22	What are the expectations of this project to produce electricity versus just the hydrogen itself?	The offtake partner does not have specific technology in mind. RFI respondents must meet the clean hydrogen benchmark of no more than 4 kg CO ₂ e per kg of hydrogen. The \$1/kg price is necessary to be viable.
23	The client's target price for hydrogen with a CI under 4 kg CO ₂ / kg H ₂ 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?	The offtake partner does not have specific technology in mind. RFI respondents must meet the clean hydrogen limit of no more than 4 kg CO ₂ e per kg of hydrogen. The \$1/kg price is necessary to be viable.

24	For how long does the client require the supply of 50 tpd?	The offtaker seeks to establish an ongoing agreement for the life of the plant, contingent upon the cost competitiveness of hydrogen over time.
25	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).	The offtaker is not interested in purchasing equipment for onsite use. The off taker is not interested in over the fence production of hydrogen at their site.
26	If yes, please share further information such as headroom in the power and natural gas networks, and proximity to road and rail connections.	Delivery by rail or truck is not acceptable.
27	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?	Respondents should provide their own assumptions for prevailing costs for power and natural gas. Respondents are also encouraged to use sources such as PJM to build out their set of assumptions.

28	Are there CCUS projects or the potential for some within proximity of the client's site?	There is no real estate available at the off take partner's physical site for onsite CCUS at this magnitude. The offtaker and offtake site will be disclosed to respondents who are down selected for a forthcoming RFP, upon signing an NDA.
29	What is the deadline to submit an expression of interest / response?	Notifications of interest were requested, but not required, by Friday, January 23. Final responses to this RFI are due by Wednesday March 4, 2026.
30	What is the preferred submission method (portal link or email), and is there a required format/template?	Final submissions should be sent via email to mcitron@mach-2.com . There is no template, however respondents are encouraged to answer the questions outlined in the RFI.
31	What financing is made available for a hydrogen facility?	MACH2 is not able to offer financing. However, as indicated in the RFI, if respondents are interested in joining the MACH2 portfolio and drawing down federal matching funds, please indicate that in your response.

32	Is this scenario an offtake agreement with the client or a facility sale to the client?	Offtake to the client.
33	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?	Freight and rail transportation of hydrogen is not available at this time. MACH2 is not able to expand the output.
34	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?	The Department of Energy (DOE) has committed a maximum Federal share of \$750,000,000 to develop MACH2. A portion of these funds are available to allocate to new projects.
35	With the DOE canceling the funding to hydrogen hubs, is this hub able to fund future hydrogen projects with state funding?	MACH2's award with DOE is not cancelled. As indicated above, we have submitted our continuation application for our regional clean hydrogen hub and are in weekly conversation with U.S. DOE.

36	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?	Unfortunately, the requirements around federal matching funds in our regional clean hydrogen award do not allow us to fund a Contract for Difference.
37	Where exactly is the client site or connection point for hydrogen transfer? Does the client have a specific location for hydrogen production in mind?	This is confidential information.
38	Would a ramp up period for hydrogen production be allowable so long as all 50tpd gaseous hydrogen are fully commissioned and in production by 2032? If hydrogen is brought online prior to 2032 in stages (for example 10TPD in 2029, 20TPD, 2030, 40TPD in 2031 and 50TPD in 2032) would the supplier be able to procure the hydrogen earlier?	The offtaker plans to accept hydrogen starting in 2033. Deliverable will be 50 TPD at that date.
39	Who is the proposed offtaker?	<p>The offtaker is not being disclosed at this time.</p> <p>Respondents that are down-selected to participate in a forthcoming RFP will learn who the off taker is upon signing an NDA.</p>