



Design and/or Construction of a Pilot Project Demonstrating “Green” or “Blue” Hydrogen Production

Request for Information

Information Sought:

Respondents are encouraged to provide any feedback, comments and questions regarding a planned request for proposals (RFP) for the topic “Design and/or Construction of a Pilot Plant Demonstrating ‘Green’ or ‘Blue’ Hydrogen Production.” Specifically, the Wyoming Energy Authority is seeking feedback about areas of interest listed below.

Areas of Interest:

Proposed Research and Technology Topics:

The aim of this program is to assist the design and/or construction of a project demonstrating viability of hydrogen as a component of the Wyoming energy economy. As such, the project seeks to leverage existing natural resources and infrastructure within Wyoming, test configurations of these resources and infrastructure in order to establish technical feasibility, and establish economic viability of the scenario as a whole. It is also anticipated that studies that test the viability or feasibility of a potential commercial project will be considered reasonable.

Please provide feedback on the proposed technology platforms. These platforms may include, but are not limited to, schemes that employ critical components in the following areas:

1. Hydrogen from hydrocarbon feedstock with carbon capture and sequestration (blue hydrogen)
2. Hydrogen production using renewable energy (green hydrogen)
3. Upgrading of hydrogen to ammonia or other hydrogen based products
4. Transportation of hydrogen
5. Use of hydrogen as an energy carrier and storage mechanism
6. Co-firing or other hydrogen utilization options

Proposed Funding:

The Wyoming Energy Authority intends to leverage limited state funds with outside funds. What are appropriate levels of monetary support from the state and matching levels by non-state funds?

Proposed Project Period

What time period is required to successfully complete proposed pilot projects?

Each Request for Information response should include:

- Company name
- Company address
- Company point of contact, phone and email address
- Feedback, comments, and questions

Please limit responses to three pages.

Submissions as well as general questions regarding this request may be submitted via email to anja.bendel@wyo.gov no later than 5:00 p.m. on March 5, 2021 Mountain Time. Please note, during this time the Wyoming Energy Authority is unable to provide direct responses to any questions received. However, due consideration will be given to all feedback and any feedback received may be used to revise the requirements.

Information from this RFI may lead to one-on-one market research discussions and other recommended approaches to industry engagement.

Sincerely,

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