



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

HYDROGEN RFP PROPOSER LIST AND FINALISTS

The Wyoming Energy Authority received 10 proposals in response to the RFP covering a wide range of areas within the Research and Technology Topics.

9H Research Foundation	Green H2: Co-fire, Ammonia, Methanol, and Fuel Cells
Aboudheir Consulting	FEED study of CO2 Capture Pilot Plant for Blue Hydrogen Production
Black Hills Energy	Wyoming Hydrogen Demonstration Pilot Project
Clean Energy Holdings	Simpson Ridge Green Energy Pilot Project
Cvictus Inc.	Sweetwater Enhanced Hydrogen Recovery using CO2 Sequestration in Coal
Cyan H2	Pre-FEED for Cyan Hydrogen Poly-gen Plant
EPC	Proposal for design of containerized light and heavy duty green hydrogen refueling station
Humble Midstream	Humble Midstream Hydrogen Feasibility Study
Jonah Energy	Green Hydrogen through Power to Gas Study
Williams Companies	Feasibility Study of Green Hydrogen Generation and Transport in Southwest Wyoming

The selection committee has completed its review of the proposals received, and is recommending the following projects for funding:

1. **Black Hills Energy**, "Wyoming Hydrogen Demonstration Pilot Project," requests \$464,923 for a feasibility study for: a natural gas-fed blue hydrogen gas generator with carbon capture; a green hydrogen gas generator fed with renewable energy and water; and a conceptual engineering assessment of equipment modifications of GE LM6000 combustion turbines to accommodate blended fuel mix of hydrogen and methane. (*Committee recommends funding in full*).

2. **Jonah Energy**, "Green Hydrogen through Power to Gas Study," requests \$20,000 for a plan in partnership with National Renewable Energy Laboratory (NREL) to create "green" hydrogen and renewable natural gas through biomethanation. (*Committee recommends funding in full*).

3. **Williams Companies**, "Williams Southwest Wyoming Hydrogen Hub," requests \$997,734 for a feasibility study in partnership with the University of Wyoming to evaluate water access and compatibility as well as asset integrity in support of green hydrogen production and transport in the vicinity of Wamsutter and Opal, Wyoming. (*Committee recommends funding in full*).

There will be a virtual public hearing via zoom on Monday, July 12 at 10:00 A.M. Mountain Time to inform and educate the public and business community to the greatest extent possible about these finalists. Citizen input will be actively solicited which can be submitted via writing, electronically, or in person at the public hearing. To inform the public and to gather information, the public hearing will, at a minimum: identify the economic development opportunity(ies); explore all possible funding sources and alternative solutions to the opportunity(ies); contain a comprehensive description of the proposed project; and solicit testimony from citizens who may feel that the proposed use of the project might compete with an existing business.

For questions, please contact:

Anja Bendel
Program Director
Wyoming Energy Authority
Main: (307) 635-3573
Cell: (307) 287-7160
anja.bendel@wyo.gov
wyoenergy.org