



# REQUEST FOR PROPOSALS

## HYDROGEN: MAKE, MOVE, USE OR STORE

ISSUED BY THE UW SCHOOL OF ENERGY RESOURCES  
HYDROGEN ENERGY RESEARCH CENTER

Proposals are due July 15, 2022  
Selected projects will be notified by  
August 1, 2022

*The School of Energy Resources (SER) is focused on energy driven economic development for Wyoming. To that end, SER recently stood up the Hydrogen Energy Research Center (H<sub>2</sub>ERC) with support from the state of Wyoming, Anschutz and Williams. H<sub>2</sub>ERC focuses on applied research to support growth of a hydrogen industry in Wyoming. Hydrogen is a natural fit for Wyoming energy production, as the state's natural resources and existing infrastructure are well-suited to launch a hydrogen economy.*

In support of the mission, H<sub>2</sub>ERC is seeking proposals across the hydrogen supply chain.

### **TOPICS OF INTEREST:**

- Proposals will be considered that evaluate technology, policy, and/or economics in the following topics of interest: Hydrogen production: For production from fossil fuels with carbon capture and storage must also be considered. Research on production can also address key challenges, such as water availability power consumption, impact of the intermittency of renewables, etc.
- Hydrogen transportation including pipelines and rail applications.
- Hydrogen use: Large-scale consumption opportunities both within and outside the state are of interest.
- Hydrogen storage: Sub-surface hydrogen storage is of particular interest, which would provide seasonal energy storage.

### **HOW TO APPLY:**

Submit a 3 page (max) proposal that includes:

- PI college/department affiliation and expertise
- Research description
- Explanation of how the research will grow and/or diversify Wyoming's energy sector
- How funds will be spent
- Email the proposal and questions to Eugene Holubnyak ([eholubny@uwyo.edu](mailto:eholubny@uwyo.edu)) with the subject "SER RFP"

### **TIMELINE:**

- Proposals are due July 15, 2022
- Selected projects will be notified by August 1, 2022
- Project duration September 1, 2022 to December 15, 2023

### **EXPECTED DELIVERABLES:**

- Quarterly progress reports (1 page)
- Presentation and project progress and status and submittal of ppt. file by May 5, 2023
- Final report by January 30, 2024 (10 pages or less)

### **FUNDING OPPORTUNITY:**

- \$100,000 maximum budget
- Funds can be used for research purposes, including
  - Graduate student support
  - Undergraduate student support
  - Research equipment, consumables and other needs for the proposed research
  - Faculty summer salary (maximum one month per fiscal year)
  - Travel
- All funds must be expended by December 15, 2023
- It is expected that up to 5 projects will be awarded, subject to the availability of funding.