

Congress of the United States
Washington, DC 20515

April 29, 2022

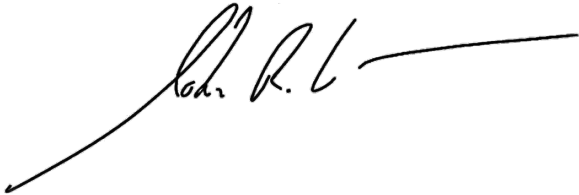
The Honorable Rosa DeLauro
Chairwoman
Committee on Appropriations
H-307, The Capitol
Washington, DC 20515

The Honorable Kay Granger
Ranking Member
Committee on Appropriations
1016 Longworth House Office Building
Washington, DC 20515

Dear Chair DeLauro and Ranking Member Granger:

I am requesting funding for the Hydrogen Electrolyzer Performance Study for Coal Power Plant Conversion to Hydrogen Power in fiscal year 2023. The entity to receive funding for this project is Emery County, Utah, San Rafael Energy Research Center, located at PO Box 754, Castle Dale, UT 84513. The funding would be used for the purchase of electrolysis equipment and lifetime and performance analysis studies of electrolyzers. I certify that neither I nor my immediate family has any financial interest in this project.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Curtis", with a long horizontal line extending to the right.

John R. Curtis
Member of Congress

April 29, 2022

The Honorable Marcy Kaptur
Chair
Subcommittee on Energy and Water Development, and Related Agencies
U.S. House of Representatives
Washington, DC 20515

The Honorable Michael K. Simpson
Ranking Member
Subcommittee on Energy and Water Development, and Related Agencies
U.S. House of Representatives
Washington, DC 20515

Dear Chair Kaptur and Ranking Member Simpson:

As you begin work on the fiscal year 2023 Energy and Water and Related Agencies Appropriations bill, I urge you to include \$1,350,000 to the San Rafael Energy Research Center (SRERC) for the purchase of electrolysis equipment to support their research that will aid commercial producers of hydrogen to produce hydrogen for local markets more efficiently.

The SRERC aims to model renewable energy production in the region and physically test how electrolyzers perform under variable operating loads and conditions to help streamline and maximize energy conversions.

The SRERC is also investigating the potential to access a large brine aquifer in Emery County, Utah to desalinate for fresh water and critical mineral recovery. This alternative source of water would augment, rather than reduce, Utah's water supply, and serve as a potential source of hydrogen from water electrolysis. Characterizing this aquifer and investigating this approach to hydrogen production may lay a foundation for the SRERC and region to become a critical component of a future hydrogen hub in Utah.

I request the following language be included in the bill:

“\$1,350,000 is appropriated to the San Rafael Energy Research Center to purchase electrolysis equipment and carry out lifetime analysis and performance studies of electrolyzers operating under variable load received from locally available renewable energy supply.”

Thank you for your consideration of my request.

Sincerely,



John R. Curtis
Member of Congress