KATIE PORTER
47TH DISTRICT, CALIFORNIA

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JOINT ECONOMIC COMMITTEE

Congress of the United States
House of Representatives
Washington, DC 20515

WASHINGTON OFFICE
1233 LONGWORTH HOUSE OFFICE BUILDING
WASHINGTON, DC 20515
(202) 225-5611

DISTRICT OFFICE
2151 MICHELSON DRIVE
SUITE # 195
IRVINE, CA 92612
(949) 668-6600

porter.house.gov

March 31, 2023

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

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

Dear Chair Fleischmann and Ranking Member Kaptur,

As you consider the Energy and Water Development and Related Agencies Bill for Fiscal Year ("FY") 2024, I respectfully request that you provide funding for the following programs:

- **$100 million for the Department of Energy's Energy Efficiency and Renewable Energy, Vehicle Technologies Office's SuperTruck III program.** The Hydrogen and Fuel Cell Technologies Office has identified that hydrogen-fuel long-haul Class 8 trucks will be needed to move goods and other products throughout the states and the trucking corridors being developed in the regional hubs program as established by P.L. 117-58. Specifically, this program will assist in the decarbonization of the long-haul transportation sector by researching and developing cost effective technologies associated with hydrogen fueled long-haul vehicles.

- **$189 million for Fossil Energy and Carbon Management at the Department of Energy** to research and development related to the conversation of natural gas into low-carbon, sustainable fuels,including hydrogen.

- **$60 million for Advanced Turbines within the Fossil Energy Research and Development, CCS and Power Systems program.** This program will support research

for integrated systems of multiple types of energy resources and explore the validity of these systems. Additionally, the following language will be submitted:

- *Department is directed to use these funds for a research and development program focused on utilizing clean hydrogen, clean hydrogen-natural gas blend, and ammonia and ammonia-hydrogen blends to test and validate components and their performance as an integrated system, working cooperatively with industry, universities, and other appropriate parties.*

- **$125 million for the development of next generation SOFC (Solid Oxide Fuel Cell) / SOEC (Solid Oxide Electrolyzer Cell) technologies** to produce power and hydrogen from fossil fuels, biogas, and hydrogen. Recognizing the significant progress made in system integration and lifetime extension for SOFC's from this program, this activity builds on research and development to enable efficient, cost-effective electricity generation and hydrogen production with minimal use of water.

- **$25 million for Department of Energy, Energy Efficiency and Renewable Energy, Building Technologies** to conduct a study and testing programs to examine the potential for integration for renewable fuels and hydrogen in building applications. Additionally, the following language will be submitted:
  - *The Committee recognizes that significant R&D gaps remain to transition to lower-carbon and zero-carbon fuels in buildings. The Committee encourages the Department to continue to explore research and development that can advance systems and appliances, driven by delivered fuels including renewable fuels and hydrogen, to meet consumer demand for safe, high efficiency and environmentally friendly products in residential and commercial building applications, increased utilization of renewable field and hydrogen, appliance venting, hybrid fuel-fired and electrically-driven systems, and on-site (mirco) combined heat and power to include cooling and integration with renewables.*

- **$80 million for the Department of Energy's Energy Efficiency and Renewable Energy, Industrial Decarbonization program.** The Department should utilize these funds for a research, development, and demonstration program focused on technologies that include fuel cells and direct use of hydrogen to replace fossil fuel use, including non-road vehicle applications. The Department should include in its efforts on the iron and steel, chemical manufacturing, and other industrial applications requiring high temperature processes.

- **$20 million for the INFUSE (Innovation Network for Fusion Energy) program within the Office of Fusion Energy Sciences at Department of Energy.** The INFUSE program is a successful initiative, started in 2019, that allows private companies to apply

for vouchers that they can spend at national labs and universities to solve key challenges leading to fusion power plants. To date, 72 awards totaling $14.5 million have been made, enabling 10 Department of Energy national laboratories and 8 universities to collaborate with 21 distinct private fusion companies.

I appreciate your continued efforts to improve the sustainability of our nation's energy sector. Thank you for your consideration of these requests and I look forward to working with you.

Sincerely,

Katie Porter
Member of Congress