

Clean Hydrogen Research, Development and Demonstration Opportunities

FY2023 Request: \$0
Reference No: 64392

AP/AL: Appropriation **Project Type:** Energy
Category: General Government
Location: Statewide **House District:** Statewide (HD 1-40)
Impact House District: Statewide (HD 1-40) **Contact:** Curtis Thayer
Estimated Project Dates: 07/01/2021 - 06/30/2026 **Contact Phone:** (907)771-3009

Brief Summary and Statement of Need:

Funding for the Alaska Gasline Development Corporation (AGDC) to develop a competitive and responsive proposal to forthcoming U.S. Department of Energy (DOE) clean hydrogen research, development, and demonstration opportunities.

Funding:	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>	<u>FY2027</u>	<u>Total</u>
1002 Fed Rcpts	\$4,000,000						\$4,000,000
1004 Gen Fund	\$250,000						\$250,000
Total:	\$4,250,000	\$0	\$0	\$0	\$0	\$0	\$4,250,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> Ongoing
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Prior Funding History / Additional Information:

SCS2 left only 250k UGF in this project

Amendmet by Sen Wilson added 4m fed

Project Description/Justification:

Section 40314 of the Infrastructure Investment and Jobs Act (IIJA) directs DOE to fund not less than 4 regional clean hydrogen hubs to demonstrate the production, processing, delivery, storage, and end-use of clean hydrogen. The legislation appropriates \$8 billion over five years in support of this initiative. The bill also appropriates \$1 billion to Clean Hydrogen Electrolysis and \$500 million to Clean Hydrogen Manufacturing and Recycling. Alaska is distinctly unique for a potential hydrogen hub award due to our tremendous natural gas resource, ability to export hydrogen in the form of ammonia, world-class carbon sequestration potential, and ample renewable energy generation potential. A DOE regional hydrogen hub award could provide Alaska with \$2B for planning, design, and construction.

On February 15th DOE issued a Request for Information (RFI) to collect public input the implementation and design of the IIJA clean hydrogen programs. AGDC coordinated a state response to that RFI. A DOE Notice of Funding Opportunity is anticipated in the 2nd Qrt of 2022. AGDC will lead a team that includes its industry and commercial partners, academic researchers, and state resource agencies, in developing and preparing a competitive response. The funds will pay for content development, subject matter expertise, technical writing,

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and coordination between the cooperating parties.