

FOR IMMEDIATE RELEASE
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Contact: Tim Fitzpatrick
907.717.4978
tfitzpatrick@agdc.us

ALASKA HYDROGEN UPDATE

ANCHORAGE, AK (Dec. 30) – Today the Alaska Gasline Development Corporation (AGDC) provided the following update regarding two Alaska hydrogen initiatives.

AGDC has been notified by the U.S. Department of Energy (DOE) that the Alaska hydrogen hub [concept paper](#) submitted by AGDC and other Alaska organizations [in November](#) has received a “discourage” result for filing a full application. AGDC’s concept paper proposed leveraging \$850 million in federal incentive funding to enable an additional \$3.75 billion in non-federal investment to produce up to 1,600 metric tons of clean hydrogen per day. The Alaska Hydrogen Hub was one of 79 submissions received by the DOE that requested nearly \$60 billion in federal funds. AGDC does not anticipate submitting a formal hydrogen hub application when applications are due to DOE in April 2023.

Separately, work continues on the Cook Inlet ammonia production and carbon sequestration [assessment](#). AGDC is conducting in cooperation with Mitsubishi Corporation, TOYO Engineering Corporation and Hilcorp Alaska. Alaska has a number of assets that make the state well situated for future hydrogen production driven by growing market demand in Asia, including:

- An abundant supply of untapped and low-cost North Slope natural gas, estimated at 200 trillion cubic feet. Natural gas is a key component for conventional and economical hydrogen production and 95% of hydrogen produced in the U.S. is currently derived from natural gas.
- Alaska’s Cook Inlet has the best carbon sequestration potential on the U.S. West Coast according to geologists and can sequester an estimated 50 gigatons of carbon. Capturing and safely storing carbon released during hydrogen production ensures hydrogen production remains a low-to-zero emissions process.
- Alaska is home to existing energy infrastructure, including an idle ammonia plant adjacent to the planned Alaska LNG Project LNG facility. Hydrogen in the form of ammonia emits no carbon when used to produce energy and is easier to store and transport than hydrogen gas.

About AGDC:

The Alaska Gasline Development Corporation (AGDC) is an independent, public corporation of the State of Alaska charged with maximizing the benefit of Alaska’s North Slope natural gas through the development of infrastructure to deliver gas to local and international markets. More information about the Alaska LNG Project can be found at <https://alaska-lng.com>. More information about AGDC is available at <https://agdc.us>.

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