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LEADING ENERGY ORGANIZATIONS TO COLLABORATE ON COOK INLET AMMONIA PRODUCTION AND CARBON SEQUESTRATION ASSESSMENT

ANCHORAGE, AK (Oct. 4) – Today, the Alaska Gasline Development Corporation (AGDC) announced an agreement between leading energy organizations to assess the potential to produce zero-carbon ammonia in the Cook Inlet region of Southcentral Alaska.

The parties – AGDC, Mitsubishi Corporation, TOYO Engineering Corporation and Hilcorp Alaska – have signed a memorandum of understanding to evaluate the commercial feasibility of utilizing North Slope natural gas delivered to Southcentral Alaska via the Alaska LNG Project to produce carbon-free ammonia. The carbon dioxide generated from this process is able to be captured and sequestered in secure underground geologic formations, and Alaska’s Cook Inlet basin has been identified by scientists as having world-class carbon sequestration potential. This assessment project will further define Cook Inlet’s sequestration potential and the economics for producing clean ammonia alongside LNG in Alaska.

Ammonia emits no carbon dioxide when burned to produce energy, is rich in hydrogen, and is easier to transport than hydrogen. Ammonia is central to the zero-carbon energy strategies of nations across the Pacific Rim, including goals by [Japan](#) and [Korea](#) to become carbon neutral by 2050. Japan plans to grow ammonia use in energy production to three million tons per year by 2030, up from zero today.

In addition to Cook Inlet’s carbon sequestration capabilities, the parties factored other unique Alaska advantages into the decision to initiate the ammonia assessment. Round-trip tanker transport from Alaska to key Asian markets is more than 12,000 miles shorter than from the U.S. Gulf Coast, reducing costs and shipping emissions. Alaska delivered a 45-year record of success exporting LNG to Asia.

About the parties:

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>.

Mitsubishi Corporation is a global integrated business enterprise that develops and operates businesses across virtually every industry including natural gas, industrial materials, petroleum & chemicals solution, mineral resources, industrial infrastructure, automotive & mobility, food industry, consumer industry, power solution and urban development. For more information about Mitsubishi, visit <https://www.mitsubishicorp.com/jp/en>.

TOYO Engineering Corporation is a global engineering group that has rich EPC experience in industrial facilities, such as oil & gas development, refinery, petrochemicals, fertilizer and power generation. There are 6 autonomous EPC group affiliates widespread across the world. With this global network, TOYO is aiming for solutions emphasizing both “Aim to realize an environmentally-friendly society” and “Enrich people’s lives”. For more information about TOYO, visit <https://www.toyo-eng.com/jp/en/>

Hilcorp Alaska is an oil and natural gas exploration and production company. Hilcorp has operated in Alaska for more than ten years and currently operates interests in the Cook Inlet and on the North Slope. Headquartered in Anchorage, Hilcorp Alaska employs more than 1,500 full-time employees throughout the state.

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