Osaka Gas Reaches Procurement Deal for U.S.-Produced Biomethane

Osaka, November 28, 2025—Osaka Gas Trading and Export LLC (“OGTX”), a subsidiary of Osaka Gas USA Corporation (a wholly owned subsidiary of Osaka Gas Co., Ltd.), has entered into an agreement for the procurement of biomethane produced in the U.S. by Archaea Energy, a bp company.

Under this agreement, OGTX will purchase approximately 26,000 Nm^3 of biomethane derived from landfill gas, produced at Archaea Energy’s facilities operating in the United States. The biomethane will be liquefied at the Freeport LNG terminal along the U.S. Gulf Coast and shipped to Osaka Gas’ LNG terminals in the Kansai region of Japan. The biomethane, together with its associated environmental attributes[1], generated from this production will be supplied through pipeline network to our customers for use at its facilities in Kansai.

Through this initiative, Osaka Gas aims to establish a domestic and international supply chain that supports the introduction of carbon-neutral energy resources, such as biomethane and e-methane, to Japan.

■About biomethane and its U.S. production

Biomethane is a gas refined from biogas[2]—with CO_2 and other impurities removed—to achieve a methane concentration comparable to natural gas. As it is considered not to emit additional CO_2 when combusted, biomethane is gaining attention as a promising solution for decarbonizing gas supplied through distribution networks. The U.S. stands out as one of the world’s leading producers of biomethane, bolstered by abundant feedstock resources, as well as progressive environmental policies and trading systems for environmental attributes. This positions the U.S. as a key player in the future of biomethane imports to Japan.

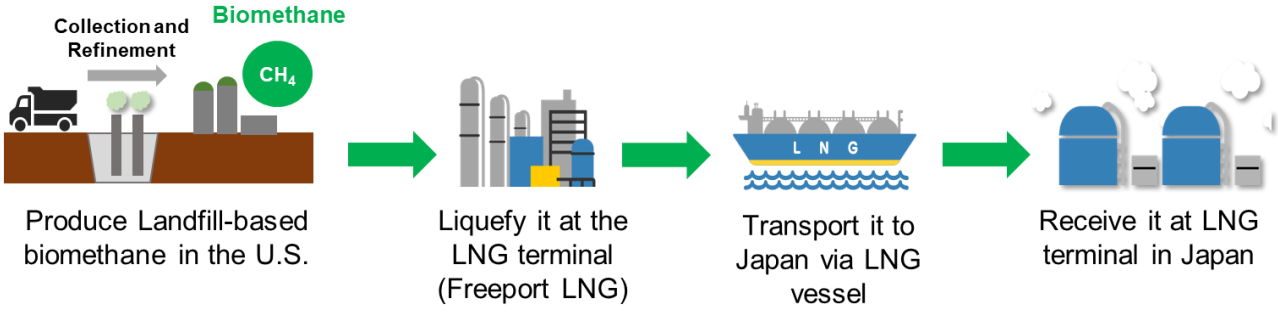
■About the Daigas Group (“Daigas” is a group brand for Osaka Gas)

As part of its Energy Transition 2050 strategy announced in February 2025, the Daigas Group is dedicated to advancing technologies and services that foster a carbon-neutral society. The Group is focused on addressing pressing social challenges such as climate change, while contributing to the advancement of customers’ lives and businesses.

1 Currently, the environmental attributes associated with imported e-methane and biomethane are not recognized under Japan's Greenhouse Gas Emissions Accounting, Reporting, and Disclosure System (SHK system). Discussions are underway within national advisory councils to establish rules for their inclusion. This project will utilize environmental attributes certified through the Midwest Renewable Energy Tracking System (M-RETS), which operates in North America.

2 A combustible gas composed primarily of methane and CO_2, generated during the decomposition of organic compounds, including household waste, sewage sludge, livestock manure, and food residues through processes, such as methane fermentation.

■Project Flow (example)



View of a landfill-based biomethane production facility (Courtesy of Archaea Energy)