

**First Clean Gas Certificate to Help Make 2025 World Expo More Carbon Neutral
 Providing the environmental value of biogas from the Kagoshima City Nanbu
 Incineration Processing Plant**

November 1, 2024
 Nippon Gas Co., Ltd.
 Osaka Gas Co., Ltd.

Nippon Gas Co., Ltd. (President and Representative Director: Sadatoshi Tsumagari; hereinafter, “Nippon Gas”) and Osaka Gas Co., Ltd. (President and Representative Director: Masataka Fujiwara; hereinafter, “Osaka Gas”) have agreed that Osaka Gas will acquire the Clean Gas Certificate¹ owned by Nippon Gas and use it to make the 2025 World Expo (hereinafter, “Expo 2025 Osaka, Kansai”) more carbon neutral.

Nippon Gas has created a Clean Gas Certificate to recognize the environmental value of refined biogas (biomethane) that is produced at the Kagoshima City Nanbu Incineration Processing Plant² and is received by Nippon Gas as a raw material for city gas. This certificate was issued on October 17, 2024 after manufacturing equipment certification³ by a third-party organization and is the first under the Clean Gas Certificate Scheme,⁴ which began operations in April this year.

Osaka Gas has been selected as the successful bidder for the procurement of carbon-neutral gas to be consumed on the site of the 2025 World Expo and will supply city gas with environmental value added from September 2024 to December 2025.⁵

Towards this end, the company has obtained a certificate for the environmental value of zero-emission biogas. Its plan is to continue obtaining clean gas certificates from multiple domestic e-methane and biomethane production projects by other businesses and apply them to the city gas supplied to the Expo 2025 Osaka, Kansai site, thereby contributing to carbon neutrality.

Nippon Gas will continue to work with local customers to promote initiatives that contribute to solving environmental issues and achieving zero carbon emissions in order to create a decarbonized, recycling-oriented society.

Under the “Carbon Neutral Vision” announced in January 2021 and “Energy Transition 2030” announced in March 2023, the Daigas Group will develop technologies and services that contribute to a decarbonized society, strive to solve social issues such as climate change, and aim to be a corporate group that contributes to “further evolution” of lifestyles and businesses.

1: A certificate of the environmental value of clean gases such as e-methane and biogas, which can be considered not to increase carbon dioxide in the atmosphere even when burned. This certificate allows the transfer of the environmental value of clean gas.

2: Overview of Kagoshima City Nanbu Incineration Processing Plant

Location	3-3-3 Taniyamako, Kagoshima, Kagoshima Prefecture
Waste incineration facility capacity	220 tons per day (110 tons per day × 2 furnaces), stoker type (full continuous combustion incinerator)
Biogas plant capacity	60 tons per day (30 tons per day × 2 units), dry methane fermentation
Contract period with Nihon Gas	January 2022–March 2042



Photo: Exterior of the Kagoshima City Nanbu Incineration Processing Plant (courtesy of Kagoshima Municipal Government)

3: Nippon Gas press release ([Acquisition of manufacturing equipment certification under the Clean Gas Certificate Scheme](#))

4: Details of the scheme ([Clean Gas Certificate Evaluation Committee website](#))

5: Osaka Gas press release ([Supply of Carbon-Neutral Gas to 2025 World Expo Site](#))

<Corporate Profile>

■ Nippon Gas

Company name	Nippon Gas Co., Ltd.
Location	8-2 Chuo-cho, Kagoshima, Kagoshima Prefecture, Japan
Representative	Sadatoshi Tsumagari, President and Representative Director
Capital	¥645,250,000
Established	August 27, 1941
Business overview	Gas business, electricity supply business, etc.

■ Osaka Gas

Company name	Osaka Gas Co., Ltd.
Location	4-1-2 Hiranomachi, Chuo-ku, Osaka, Japan
Representative	Masataka Fujiwara, Representative Director and President:
Capital	¥132,166,660,000
Established	April 10, 1897
Business overview	Production and sale of gas; generation and sale of electricity, etc.