

## **Daigas Group Carbon Neutral Vision: Aiming to Become Carbon Neutral by 2050**

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Osaka Gas Co., Ltd.

The Daigas Group announced its vision of how it strives to become carbon neutral by 2050. The Group plans to reach the goal through decarbonization of its gas and electricity by introducing methanation<sup>1</sup> to generate gas with renewable energy and hydrogen and by increasing the share of renewables in its power generation portfolio.

With the aim of achieving carbon neutrality, the Daigas Group has been researching and developing various technologies such as innovative methanation technology<sup>2</sup> and novel hydrogen generation technology.<sup>3</sup> The Group intends to accelerate the R&D activities through alliances with partners in the industrial, governmental, and academic sectors.

In the meantime, the Daigas Group set the following targets for 2030 as the milestones for the Group's contribution to the reduction of CO<sub>2</sub> emissions throughout society.

1. 5 GW<sup>4</sup> of renewables development contribution on a global basis
2. Nearly 50%<sup>4</sup> of the Group's power portfolio in Japan consisting of renewables
3. 10 million tons/year<sup>5</sup> of CO<sub>2</sub> emissions reduction contribution

The Group expects that its contribution to CO<sub>2</sub> emissions reduction will cut down the social cost required for achieving a carbon neutral society using the innovative technologies that are currently being developed. The Group also plans to provide solutions to the issues related to climate change and energy security.

### About the Daigas Group

The Daigas Group aims to be a corporate group that powers continuous advancement of customers' lives and businesses. The Group is committed to contributing to achieving a carbon neutral society by developing and offering technologies and services.

<sup>1</sup> Technology to generate methane using hydrogen and CO<sub>2</sub>

<sup>2</sup> Technology to synthesize methane with higher efficiency than previous technologies due to simultaneous processes of hydrogen generation and methane synthesis

<sup>3</sup> Technology to generate hydrogen through chemical looping combustion

<sup>4</sup> Including solar, wind and biomass power projects, which are eligible for the feed-in tariff (FIT) scheme

<sup>5</sup> Equivalent to one-third of the CO<sub>2</sub> emissions currently produced in the Daigas Group's business and by its customers (33 million tons/year)

Attached document: [Daigas Group Carbon Neutral Vision](#)