

Osaka Gas Australia to Join Study with Partners on Green Energy Hub in Australia
to Produce, Supply and Export Green Hydrogen and Synthetic Methane

June 17, 2022
Osaka Gas Co., Ltd.

Osaka Gas Australia Pty Ltd (“OGA”), a 100% subsidiary of Osaka Gas Co., Ltd., has signed a non-binding memorandum of understanding with AGL Energy Limited (“AGL”), Australia’s largest integrated energy provider, to join AGL and its partners in feasibility studies into the development of green energy hubs (“Projects”) at South Australia (“SA”) and New South Wales (“NSW”).

AGL is an integrated energy company that has been providing energy in Australia for more than 180 years. AGL operates electricity generation, gas production and energy retail business in Australia with an 11GW generation portfolio consisting of coal, gas, solar, wind, and hydropower plants and has 4.2 million customer services.

The feasibility studies will explore potential opportunities to establish green hydrogen production facilities at AGL’s existing power generation sites located in Torrens Island, SA (“Torrens Island Project”), and Hunter Valley, NSW (“Hunter Valley Project”), and to provide green hydrogen to the users in SA and NSW, as well as to wider export markets. The study will also examine the feasibility of producing, supplying, and exporting green energy products other than green hydrogen, such as methanation¹-based synthetic methane and green ammonia.

Both Torrens Island Project and Hunter Valley Project are situated in areas with energy infrastructure such as power grids and water supply networks, and in close proximity to industrial zones that could be potential demand of green hydrogen. In addition, Torrens Project site has an easy access to a nearby port, which increases the project’s competitiveness and feasibility.

The Project’s study includes the development of facilities to produce and supply green energy products, such as green hydrogen and synthetic methane, as well as market research and economic assessment, all expected to be completed by the end of 2022.

In the Torrens study, OGA will collaborate with AGL and other partners, including INPEX CORPORATION (“INPEX”), Adbri, Brickworks, Flinders Ports, SK ecoplant and Spark Renewables.

The Hunter study is being co-led by AGL (renewables development) and Fortescue Future Industries (hydrogen production) exploring a large-scale green hydrogen production facility.

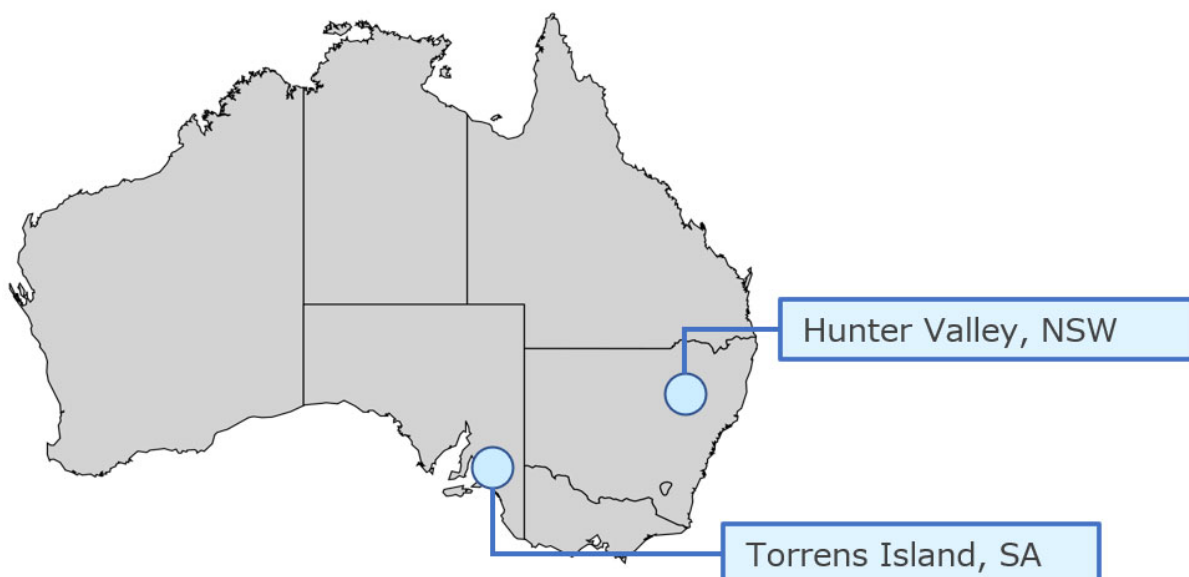
Daigas Group, based on its “Carbon Neutral Vision” announced in January 2021, continues to focus its efforts in developing technologies and services that contribute to the decarbonization of society as well as lowering and decarbonizing on a global scale by proposing solutions to social challenges such as climate change issues. Our goal is to become a Group that serves to bring further advance in both business and lifestyle.

¹ Technology to synthesize methane, a primary component of natural gas, from hydrogen and carbon dioxide

1. Feasibility Study Overview

Partner	SA	Osaka Gas Australia Pty Ltd AGL Energy Limited INPEX, Adbri, Brickworks, Flinders Ports, SK ecoplant, Spark Renewables
	NSW	Osaka Gas Australia Pty Ltd AGL Energy Limited Fortescue Future Industries
Completion	End of 2022	
Scope	<ol style="list-style-type: none"> 1. Examine the potential means to produce, transport, and supply hydrogen (including methanation and ammonia) 2. Conduct hydrogen market research, regulation studies, economic assessment, etc. 	

2. Green Energy Hub locations



3. AGL Company Profile

Company Name	AGL Energy Limited
Address	200 George St, Sydney NSW 2000
Representative	Markus Brokhof
Established	1837
Main Business	Power generation (largest in Australia), electricity and gas production and retail business