THE SCARBOROUGH ENERGY PROJECT

June 2024

Project overview

Woodside Energy is developing the Scarborough natural gas field, located in the Carnarvon Basin, approximately 375 km off the coast of Western Australia (WA).

The development includes the installation of a semi-submersible floating production unit (FPU), moored in 950 m of water, connected by an approximately 430 km pipeline to a second LNG train (Pluto Train 2) at the existing Pluto LNG onshore facility.

Initially, eight wells will be drilled, with 13 wells drilled over the life of the Scarborough field.

The Scarborough Energy Project will produce around 8 million tonnes per annum (Mtpa) of LNG. Approximately 5 Mtpa of Scarborough gas will be processed through Pluto Train 2, with up to 3 Mtpa processed through the existing Pluto Train 1.

Woodside is operator of the Scarborough Energy Project and currently has a 90% participating interest in the Scarborough field. LNG Japan hold a 10% interest. In February 2024, Woodside entered into an agreement with JERA to sell a 15.1% interest in the Scarborough Joint Venture.

Project benefits

The Scarborough Energy Project is expected to deliver significant long-term benefits over the life cycle of the project.

The development of the Scarborough Energy Project will provide a boost to the WA economy and communities, growing jobs and bringing work through the supply chain. The project will also support investment in education, training and jobs.

Figure 1 – Pluto Train 2 site

LOCATED
375km
off the Karratha coast

CAPITAL EXPENDITURE
A$16b
in WA to the 2050's*

JOBS
3,000+
during construction phase
Almost **600** operations jobs will be created or sustained on average during operations*

PRODUCTION
8 Mtpa
LNG production capacity (100% project)

TAXES
A$19b+
over the life of the project*

AWARDED
A$3.6b+
in contracts to local WA companies

Based on average Australian household energy consumption it is large enough to power more than
8.5 million
homes around the world for more
30years**

CONTAINS LESS THAN
0.1%
carbon dioxide in the reservoir

FIRST LNG CARGO TARGET
2026

**Source: ACIL Allen 2019*
***Source: DISER 2021*

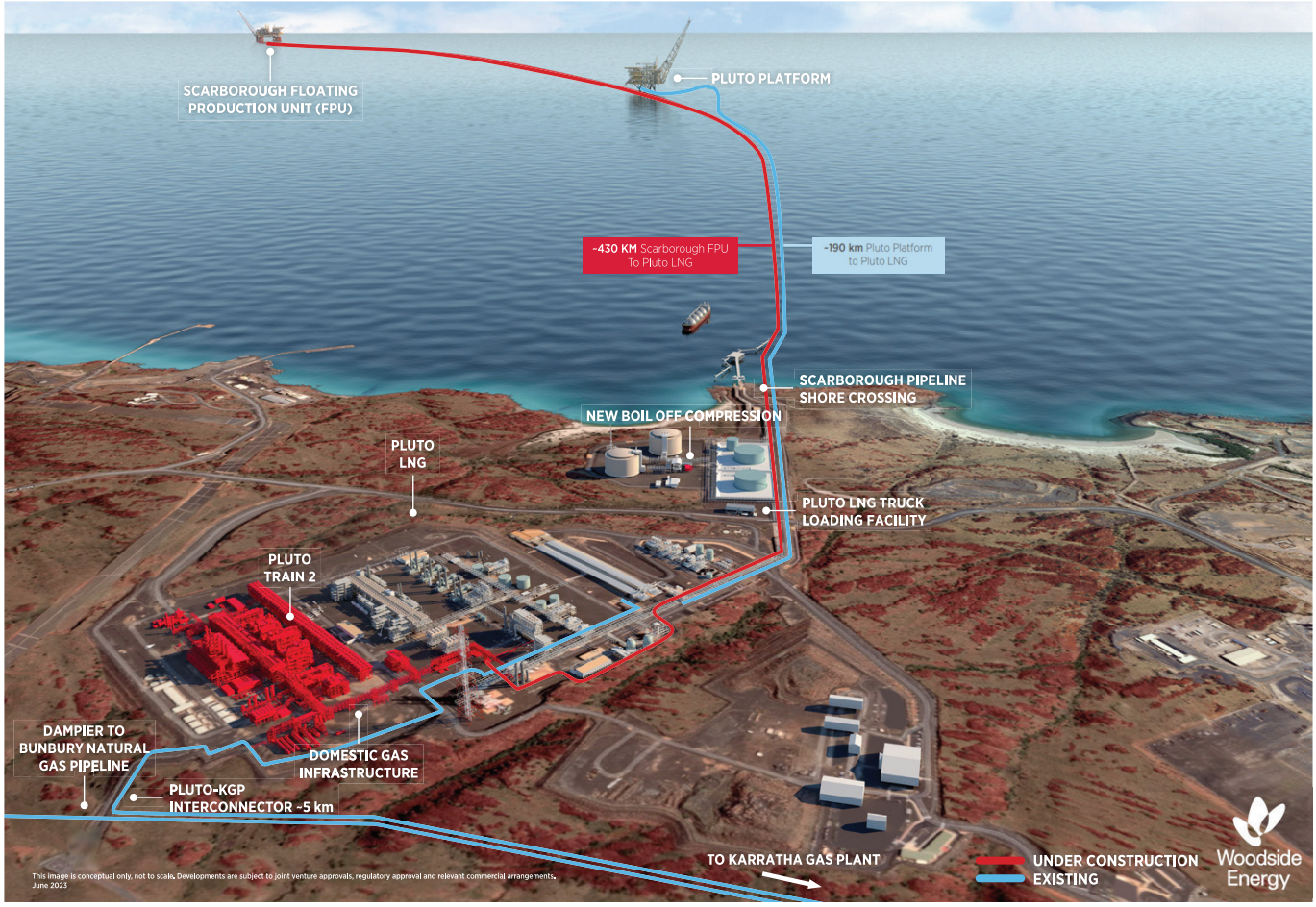

Figure 2 – Scarborough Energy Project conceptual diagram

ABOUT THE PROJECT

Pluto Train 2

The expansion of the Pluto LNG facility to include a second LNG processing train provides an efficient way to develop the Scarborough resources. Woodside is the operator and holds a 51% participating interest in Pluto Train 2. Global Infrastructure Partners holds a 49% non-operating participating interest.

With less than 0.1% reservoir CO_2, the composition of gas from the offshore Scarborough field is suited to Pluto LNG, which is designed for lean gas and nitrogen removal.

Construction works by the engineering, procurement and construction contractor, Bechtel, for Pluto Train 2 commenced at the Pluto LNG site in June 2022.

Pluto Train 1 modifications

The Pluto Train 1 modifications project comprises of modifications to the existing Pluto LNG Train 1 facility and associated infrastructure to enable gas from the Scarborough Energy Project to be processed at Pluto Train 1.

Following completion of the Project and once the capacity becomes available, up to 3 Mtpa of gas from the Scarborough Energy Project will be processed at the Pluto Train 1 Facilities.

Kellogg Brown and Root (KBR) were selected as the engineering, procurement and construction management contractor for the execute phase of the project.

Local content

Woodside recognises the critical role local content plays in maximising the benefits of the project to the community.

As at June 2024, through the Scarborough Energy Project, we have engaged more than 250 businesses in WA, including 75 businesses in Karratha to work on Pluto Train 2. To date, more than 30 contracts have been awarded to Indigenous businesses by Woodside's construction contractor Bechtel or its subcontractors.

The project has already awarded more than A$3.6 billion in contracts to WA companies.

Environment management

The Scarborough reservoir contains less than 0.1% carbon dioxide and combined with processing design efficiencies at the FPU (offshore) and at Pluto Train 2 (onshore) will deliver one of the lowest carbon intensity projects for LNG into Asian markets.[1]

The Scarborough Energy Project spans both Commonwealth and Western Australian jurisdictions.

Activities in State waters include dredging, pipelay, sand backfill and pipeline installation operations.

Activities in Commonwealth waters include drilling of the gas wells, installation of the FPU and installation of the pipeline section and related activities.

Key Commonwealth and State primary environmental approvals are in place, with secondary Commonwealth environmental approvals currently progressing to support project execution activities.

Once secondary Commonwealth environmental approvals are accepted, Woodside intends to promptly commence activities in Commonwealth waters.

[1] *Wood Mackenzie, Emissions Benchmarking, June 2023.*

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Woodside Energy