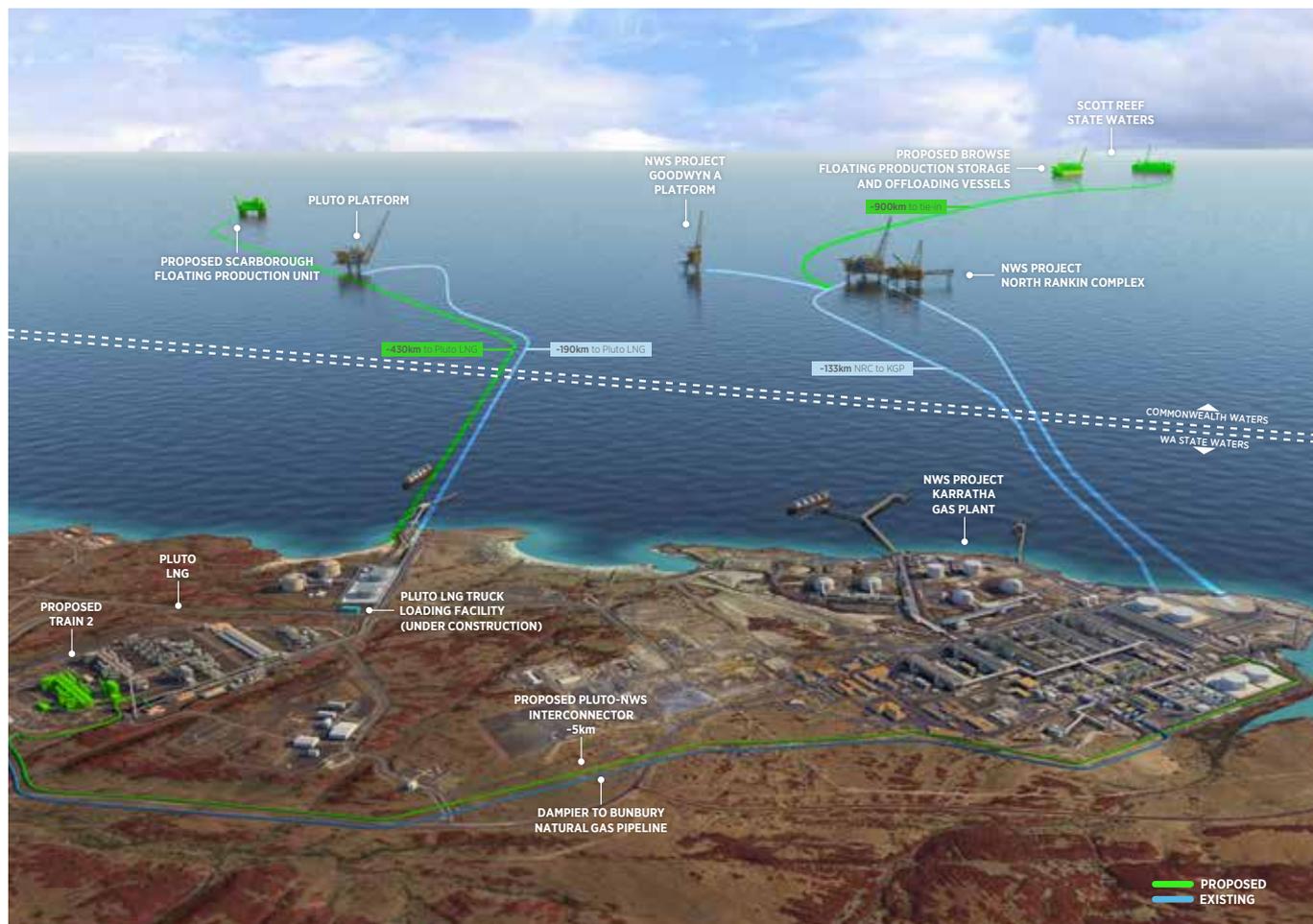


January 2019

WOODSIDE'S BURRUP HUB VISION



Conceptual only, not to scale. Developments are subject to joint venture approvals, regulatory approvals and relevant commercial arrangements.

Our Burrup Hub vision is bold but simple, bringing new resources through our existing facilities in Australia's north-west.

The Burrup Hub involves the proposed development of some 20 to 25 trillion cubic feet (Tcf) of gross (100%) dry gas resources from Scarborough, Browse and Pluto, relying on our proven liquefied natural gas (LNG) facilities – Pluto LNG and the North West Shelf Project.

We propose to link these facilities to create the Burrup Hub – a regional LNG production centre on the Burrup Peninsula that will supply domestic and export markets for decades to come. This hub could also provide the infrastructure to process other third-party resources in the future.

Our engagement approach

As we prepare to enter a growth and construction phase, we are committed to operating responsibly, working sustainably and engaging transparently. We are investing in understanding and managing actual and potential impacts of our proposed activities, including through environmental and social studies and consulting with our wide range of stakeholders to understand their interests and concerns.

Activity description

Burrup Hub environmental approvals.

Scarborough to Pluto

The Scarborough gas resource is located approximately 375 km off the Burrup Peninsula. We are proposing to develop the 7.3 Tcf (2C, 100%) Scarborough gas field through new offshore facilities connecting to a brownfield expansion of the existing Pluto LNG onshore facilities. The offshore development initially includes up to seven subsea, high-rate gas wells feeding to a semi-submersible floating production unit. An approximate 430 km pipeline will transport the dry gas to shore. Reservoir performance will determine the development of future wells.

Expansion of the Pluto onshore facilities provides the potential to accelerate other offshore Pluto gas reserves and also enable future development of third-party resources.

Offshore target schedule

FEED entry Q1 2019 | FID 2020 | RFSU 2023

Offshore approvals

- + Activities in Commonwealth waters are expected to be assessed as an Offshore Project Proposal by the National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA). Adjacent Thebe and Jupiter reservoirs will also be included. This process is expected to commence in Q1 2019.
- + Activities in State waters were referred to the Western Australian Environmental Protection Authority (WA EPA) and the Commonwealth Department of Environment and Energy (DoEE) in December 2018 for assessment.

Onshore target schedule

FEED entry Q1 2019 | FID 2020 | RFSU 2024

Onshore approvals

- + Existing primary environmental approvals for Pluto LNG allow for two LNG trains. Secondary approvals (works approvals and licensing) will be required.

Browse to North West Shelf development

The Browse to North West Shelf (NWS) development concept is based predominantly on proven technologies, including two floating production storage and offloading (FPSO) facilities. The development will deliver gas through an approximate 900 km pipeline to existing NWS infrastructure producing around 10 Mtpa of LNG/LPG and 1.4 Mtpa of domestic gas (100% project).

Approximately 50 kbbl/d of condensate is expected to be exported at the FPSO facilities. Located approximately 425 km North of Broome in the offshore Browse Basin, the fields contain predominantly gas, with contingent resources of 13.9 Tcf of dry gas and approximately 390 million barrels of condensate. Condensate will be exported offshore at the FPSO. Operations are anticipated for up to 50 years.

Target schedule¹

FEED entry Q4 2019 | FID 2021 | RFSU 2026 (Calliance and Brecknock unit) | RFSU 2027 (Torosa unit)

Approvals

- + The Browse Joint Venture has referred a proposal for development to the WA EPA and DoEE as the offshore components of the action cross into State jurisdiction near Scott Reef.²
- + DoEE will engage NOPSEMA to support the assessment process.

NWS Project Extension

Long term processing of third-party gas, such as Browse, at the North West Shelf Project's Karratha Gas Plant (KGP) will extend the life of the facility for decades.

Approvals

- + The NWS Joint Venture has referred a proposal to enable long-term processing of third-party gas at the KGP, including Browse. The proposal was referred to the WA EPA and DoEE for the State onshore and offshore components of the action.

Pluto-NWS Interconnector

Woodside is proposing a pipeline to transport gas from Pluto LNG to the KGP. This Interconnector is intended to provide further flexibility to fill short-term spare capacity at the KGP, including potential acceleration of processing of Pluto area reserves at the KGP as well as other third-party gas. Woodside is proposing the pipeline between the two facilities would be owned and operated by a third party.

Target schedule

FEED Q4 2018 | FID 2019 | RFSU 2021

Approvals

- + Woodside intends to lodge applications to tie the Interconnector into Pluto LNG in Q4 2018 with the EPA. A similar application to tie the interconnector into NWS Project's KGP is planned to be submitted to the EPA in Q1 2019.

Pluto LNG Truck Loading Facility

Construction of the Pluto LNG Truck Loading Facility commenced in April 2018, which will provide domestic LNG for distribution to customers in Western Australia's north-west from 2019.

More than three billion litres of diesel is imported into the Pilbara each year. If a third of this was replaced with LNG, it would reduce our customers' emissions by up to half-a-million tCO₂e/yr.

Supporting Infrastructure

Proposals to upgrade and extend the life of the Pluto and NWS facilities provides an opportunity to explore new ways to power these plants. We're exploring other energy options, like renewables or a high efficiency power plant, to reduce our emissions and improve the efficiency of these facilities.

¹ Woodside is pursuing a 2020 FID

² Scott Reef is an isolated reef more than 300 kilometres off north-west Western Australia on the edge of the continental shelf in the Timor Sea

Providing feedback and further information

This fact sheet, along with other information on Woodside's proposed Burrup Hub developments and operations, is available at www.woodside.com.au

If you would like to comment on these activities, please contact Woodside by email to feedback@woodside.com.au or call toll free 1800 442 977.

All information is current as at January 2019. Proposed timing may be subject to change. Proposed developments are subject to joint venture approvals, regulatory approvals and relevant commercial arrangements.