The Scarborough gas resource is located approximately 375 km off the Burrup Peninsula and is part of the Greater Scarborough gas fields which are estimated to hold 9.2 Tcf (2C, 100%) of dry gas.

The relevant offshore petroleum titles are all located in Commonwealth waters - Woodside holds a 75% interest in WA-1-R, and a 50% interest in WA-62-R, WA-63-R and WA-61-R, covering the Scarborough, North Scarborough, Thebe and Jupiter gas fields respectively.

Woodside is proposing to develop the Scarborough gas resource through new offshore facilities connected through an approximately 430 km pipeline to a proposed brownfield expansion of the existing Pluto LNG onshore facility (Pluto Train 2 Project). The proposed offshore development, referred to as the Scarborough Project, is to initially develop the Scarborough gas field with up to seven subsea, high-rate gas wells, tied back to a semi-submersible floating production unit (FPU) moored in 900 metres of water close to the Scarborough field.

The Scarborough Project is an integral part of Woodside’s Burrup Hub vision for a regional gas hub which will secure economic growth and local employment opportunities for Western Australia for decades to come. During Q1 2019 Woodside, in its own corporate capacity as a Scarborough titleholder, awarded four contracts for front-end engineering design activities for the proposed Scarborough Project.

The contracts will support the project schedule until a positive final investment decision (FID) is taken on the project by the Scarborough Joint Venture.

Woodside is targeting a FID decision in 2020 and ready for start-up (RFSU) 2023.

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**Tieback and future development**

The 1.4 Tcf (2C, 100%) Thebe and 0.5 Tcf (2C, 100%) Jupiter gas fields provide opportunities for future tieback to Scarborough Project infrastructure.

As the proposed export pipeline route crosses the Carnarvon Basin in close proximity to undeveloped fields, Woodside is engaging with other resource owners to explore opportunities for future development.

**Nearshore**

In support of construction of the Pluto LNG foundation project, a substantial dredging program was undertaken without impact to coral communities in the proposed Dampier Archipelago Marine Park.

Connection of the offshore Scarborough Project to the onshore Pluto Train 2 Project will require a minor dredging program through State waters in Mermaid Sound.

The proposed dredging program will be significantly less, only 20% of the volume, than what was undertaken for the Pluto LNG foundation project. Port facilities do not require upgrading and pre-investment dredging was undertaken during the initial program along harder sections of the pipeline route.

**Our engagement approach**

Woodside has been part of the Pilbara community for more than 30 years. As we prepare to enter a growth and construction phase, we are committed to continuing to operate responsibly, working sustainably and engaging transparently.

Woodside, and its joint venture participants continue to invest in understanding and managing actual and potential impacts of proposed activities. We are undertaking environmental and social studies and consulting with our wide range of stakeholders to understand their interests and concerns.

**Environmental approvals**

The Scarborough Project spans Commonwealth and State jurisdictions.

A proposal for activities in State waters was referred to the Western Australian Environmental Protection Authority (WA EPA) and the Commonwealth Department of Environment and Energy (DoEE) in December 2018. The referral can be viewed at the relevant regulator’s website.

A proposal for activities in Commonwealth waters is proposed for submission as an Offshore Project Proposal (OPP) to 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 February 2019.

**State waters referral**

The proposal for activities in State waters includes dredging, pipelay, sand backfill and pipeline stabilisation activities. Due to the pre-investment works undertaken for Pluto LNG foundation project, activities for this proposal will be a much smaller scale, with no blasting required.

The purpose of the State waters referral is to determine whether components of the proposed development in State waters will require formal assessment and approval under the Western Australian Environmental Protection Act 1986 (EP Act).
Woodside’s Pluto LNG foundation project dredge monitoring program contributed $3.2 million to the WAMSI Dredging Science Node. This monitoring data and research will be used to support the Scarborough Project dredging scope.

Scarborough gas is dry and lean and contains extremely low reservoir CO2 (0.1mol%) compared to conventional oil and gas reservoirs. This contributes to a reduced carbon footprint as well as limited risk of hydrocarbon spills.

Woodside is committed to continued investment in technologies that reduce emissions and promote energy efficiency in our facilities.

We are working through engineering options to further reduce emissions - this includes consideration of batteries and sources of alternative renewable power.

Through the use of technology and innovation, Woodside will evolve to meet the challenges of the new low carbon economy. We accept the scientific consensus on climate change and will be a significant contributor in the global effort to reduce carbon emissions.

Woodside believes that natural gas, with its low carbon content, will be an important part of the solution to meeting global energy demand and reducing emissions during the next 50 years.

Opportunities to comment
Woodside is continuing to undertake extensive consultation with a wide variety of stakeholders regarding the State and Commonwealth environmental approvals and OPP submitted for the Scarborough Project.

Woodside invites interested parties to comment during the public comment periods associated with the environmental approval submissions.

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<tr>
<th>SCARBOROUGH JOINT VENTURE</th>
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Table 1: Equity participants.