Woodside has operated the world-class Pluto LNG facility safely and reliably since start-up in 2012. Gas from the offshore Pluto and Xena fields is piped through a 180 km pipeline to Pluto LNG’s single onshore LNG-processing train located on the Burrup Peninsula, near Karratha in Western Australia.

Expanding Pluto LNG is a key element of Woodside’s Burrup Hub vision.

Pluto Train 2
Woodside is proposing a brownfield expansion of Pluto LNG through the construction of a second gas processing train. Pluto Train 2 would have a capacity of about 5 million tonnes per annum (Mtpa) (100% Project).

Pluto LNG Expansion
The composition of gas from the offshore Scarborough field is well suited to Pluto LNG, which is designed for lean gas and nitrogen removal.

The Scarborough gas field would be developed through new offshore facilities connected by an approximately 430 km pipeline to the onshore facility.

Woodside entered front-end engineering and design for Pluto Train 2 in December 2018. A final investment decision (FID) is targeted for 2020 and ready for start-up in 2024.

Pluto–NWS Interconnector
Woodside is proposing to develop a pipeline, the Pluto–NWS Interconnector, to transport gas from Pluto LNG to the North West Shelf Project’s Karratha Gas Plant (KGP).
provide flexibility to fill short-term spare capacity at the KGP through potential accelerated processing of Pluto area gas reserves and other third-party gas. Gas would be treated at new gas conditioning facilities at Pluto LNG before being transported through the interconnector to the KGP.

The interconnector, approximately 5 km of 30 inch pipeline, will have the capacity to transport wet gas quantities of up to 4.5 Mtpa (LNG production equivalent).

The Interconnector would extend between the boundaries of the two facilities and be constructed along the Dampier to Bunbury Natural Gas Pipeline (DBNGP) corridor. The Interconnector would be owned and operated by a third party.

Environmental referrals associated with the interconnector were submitted to the Western Australian Environmental Protection Authority (EPA) and Commonwealth Department of Energy and Environment (DoEE) in Q4 2018.

Supporting applications associated with Woodside’s Pluto LNG facility were lodged with the EPA in December 2018. Woodside intends to lodge a similar application in 2019 for the interconnector to KGP tie in. Environmental referrals can be viewed on the relevant regulator’s website.

A FID decision is targeted in 2019 and RFSU targeted for 2021.

Domestic gas
Woodside is committed to delivering domestic gas from Pluto LNG.

The first gas to the DBNGP was supplied at near capacity of 25 terajoules a day during commissioning of new pipeline infrastructure in December 2018.

The successful commissioning of domestic gas infrastructure is a significant first step towards long-term supply from the Pluto site.

Additional domestic gas production is scheduled to start-up in 2019 with the commissioning of the Pluto LNG truck loading facility.

Pluto LNG Expansion would include installation of domestic gas infrastructure to increase capacity to approximately 225 TJ/d.

Environmental approvals
Pluto LNG was originally designed to allow efficient brownfield development and third-party gas processing. An area for a second train was pre-prepared in 2007/2008, therefore minimal further earthworks are required for the construction of Pluto Train 2.

Woodside is undertaking rigorous environmental management planning and seeking the necessary approvals to comply with applicable environmental regulatory requirements to manage potential environmental risks and impacts.

A number of Commonwealth and State environmental approvals were granted to facilitate the original development of Pluto LNG. Existing primary environmental approvals for Pluto LNG allow for two LNG trains and supporting infrastructure. Associated management plans will be evaluated under these approvals and updated as required.

Woodside will also obtain all necessary secondary approvals and licensing to support Pluto Train 2 and Pluto-NWS Interconnector.

Environmental management
Woodside has operated on the Burrup Peninsula for more than 30 years. We have a strong track record of undertaking activities in a safe and environmentally responsible way.

While emissions would remain within the impact envelope of the existing environmental approvals, Woodside will continue to focus on reducing emissions from our operations.

We undertake scientific monitoring and management of air at our Burrup facilities, consistent with industry standards, regulations and environmental licence requirements.

Pluto Train 2 provides an opportunity for Woodside to explore new ways to power its plants, including renewables and a high efficiency power plant.

Heritage
The Dampier Archipelago, including the Burrup Peninsula (Murujuga), was placed on the National Heritage List in July 2007, recognising its extraordinary cultural and archaeological significance.

Woodside supports the ongoing protection, conservation and management of the National Heritage Listed values of Murujuga and the wider Dampier Archipelago as committed in the 2017 Deep Gorge Joint Statement.

The decision by the Murujuga Aboriginal Corporation and the Premier of Western Australia to pursue World Heritage Listing provides important recognition that areas of Murujuga contain heritage sites of international significance.

Woodside will continue to work with the Murujuga Aboriginal Corporation, the recognised traditional owners, to identify how we can support the proposed World Heritage Listing process.

Working with Woodside
Woodside is committed to providing full, fair and reasonable opportunities for Australian industry and is working to optimise local supply chain opportunities that deliver long-term economic and social benefits to our host communities.

Pluto LNG expansion is expected to generate significant employment and contracting opportunities, securing economic growth, energy security and regional sustainability for Western Australia.

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

Proposed developments are subject to joint venture approvals, regulatory approvals and relevant commercial arrangements, so development concept and timing may be subject to change.

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

All information is current as at July 2019.