

# ASX Announcement

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Woodside Petroleum Ltd.  
ACN 004 898 962  
Woodside Plaza  
240 St Georges Terrace  
Perth WA 6000  
Australia  
[www.woodside.com.au](http://www.woodside.com.au)

## **NORTH WEST SHELF PROJECT APPROVES DEVELOPMENT OF GWF-2 PROJECT**

Woodside, as Operator of the North West Shelf (NWS) Project, advises that the project participants have approved the Greater Western Flank Phase 2 (GWF-2) Project off the north-west coast of Australia.

The GWF-2 Project will develop 1.6 trillion cubic feet of raw gas (2P 100% project basis) from the combined Keast, Dockrell, Sculptor, Rankin, Lady Nora and Pemberton fields using subsea infrastructure and a 35 km, 16" pipeline connecting to the existing Goodwyn A platform.

The total investment for the project is expected to be approximately US\$2.0 billion (Operator's estimate; 100% cost), with initial project start-up expected in 2H 2019.

Gas delivery will initially commence from five wells in the Lady Nora, Pemberton, Sculptor and Rankin fields, followed by the remaining three wells in the Keast and Dockrell fields in 1H 2020.

The GWF-2 Project is the fourth major gas development for the NWS Project in the past seven years, demonstrating a continued focus on maximising value from this world-class asset by delivering sanctioned projects and developing reserves.

Woodside CEO Peter Coleman said GWF-2 is an economically robust project that will deliver significant value by leveraging Woodside's substantial experience in delivering major subsea tieback projects.

"The GWF-2 Project continues a series of NWS Project subsea tiebacks that are commercialising its gas reserves in a timely and efficient manner to extend plateau production," Mr Coleman said.

The NWS Project participants are: Woodside Energy Ltd. (Operator; 16.67%); BHP Billiton Petroleum (North West Shelf) Pty Ltd (16.67%); BP Developments Australia Pty Ltd (16.67%); Chevron Australia Pty Ltd (16.67%); Japan Australia LNG (MIMI) Pty Ltd (16.67%); and Shell Australia Pty Ltd (16.67%).

## Notes on Petroleum Resource Estimates

1. Unless otherwise stated, all petroleum resource estimates in this presentation are quoted as at the balance date (i.e. 31 December) of Woodside's most recent Annual Report released to ASX and available at <http://www.woodside.com.au/Investors-Media/Announcements>, net Woodside share at standard oilfield conditions of 14.696 psi (101.325 kPa) and 60 degrees Fahrenheit (15.56 deg Celsius).
2. Woodside reports reserves net of the fuel and flare required for production, processing and transportation up to a reference point. For offshore oil projects, the reference point is defined as the outlet of the Floating Production Storage and offloading (FPSO) vessel, while for the onshore gas projects the reference point is defined as the inlet to the downstream (onshore) processing facility.
3. Woodside uses both deterministic and probabilistic methods for estimation of petroleum resources at the field and project levels. Unless otherwise stated, all petroleum estimates reported at the company or region level are aggregated by arithmetic summation by category. Note that the aggregated Proved level may be a very conservative estimate due to the portfolio effects of arithmetic summation.
4. 'MMboe' means millions (10<sup>6</sup>) of barrels of oil equivalent. Dry gas volumes, defined as 'C4 minus' hydrocarbon components and non-hydrocarbon volumes that are present in sales product, are converted to oil equivalent volumes via a constant conversion factor, which for Woodside is 5.7 Bcf of dry gas per 1 MMboe. Volumes of oil and condensate, defined as 'C5 plus' petroleum components, are converted from MMbbl to MMboe on a 1:1 ratio.
5. Unless otherwise stated all petroleum resource estimates refer to those estimates set out in the Reserves Statement in Woodside's most recent Annual Report released to ASX and available at [www.woodside.com.au/Investors-Media/Announcements](http://www.woodside.com.au/Investors-Media/Announcements). Woodside is not aware of any new information or data that materially affects the information included in the Annual Report. All the material assumptions and technical parameters underpinning the estimates in the Annual Report continue to apply and have not materially changed.
6. The estimates of petroleum resources are based on and fairly represent information and supporting documentation prepared by qualified petroleum reserves and resources evaluators. The estimates have been approved by Mr Ian F. Sylvester, Woodside's Vice President Reservoir Management, who is a full-time employee of the company and a member of the Society of Petroleum Engineers. Mr Sylvester's qualifications include a Master of Engineering (Petroleum Engineering) from Imperial College, University of London, England, and more than 20 years of relevant experience.

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### Contacts:

#### MEDIA

**Michelle Grady**

W: +61 8 9348 5995

M: +61 418 938 660

E: [michelle.grady@woodside.com.au](mailto:michelle.grady@woodside.com.au)

#### INVESTORS

**Paul Pettingill**

W: +61 8 9348 6411

M: +61 414 309 841

E: [investor@woodside.com.au](mailto:investor@woodside.com.au)