



Photo: Woodside Energy Ltd

# Invest in the West

## Oil & Gas in Western Australia

By 2017 Australia is expected to produce 87Mt of LNG, ranking it above Qatar as the world's leading LNG exporter.

Western Australia will produce 50Mt by 2017, or 57% of Australia's total.

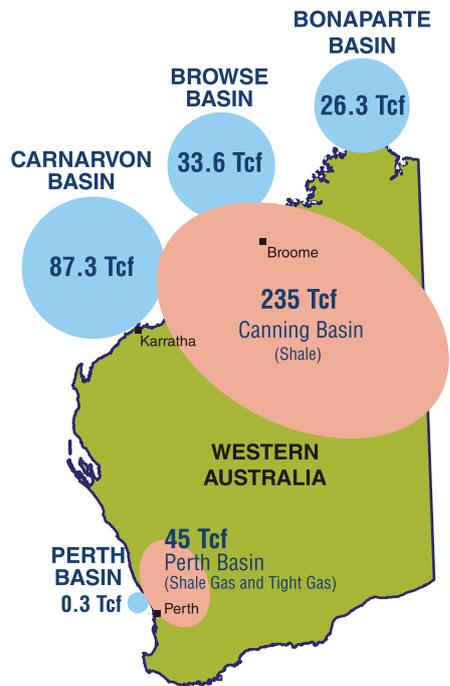
Perth, the capital city of Western Australia, is home to the largest concentration of global oil and gas companies in Australia.

These companies operate projects across the nation as well as service and supply oil and gas exploration and production across the Indian Ocean and Pacific region.

Western Australia is looking to the future with a large committed program of LNG investments that will accentuate its position as a global energy force.

### WESTERN AUSTRALIA FAST FACTS

- Perth, population of 1.8 million, is a regional centre for servicing oil & gas projects
- Annual exports of resources valued at AU\$96.8 billion
- Annual LNG production capacity to grow from 21.4Mt to 50Mt by 2017
- Natural gas reserves of 147.2 tcf, potential shale and tight gas resources of 280 tcf with 10.2 bbl of associated oil
- AU\$177 billion of resource projects under construction or committed



## AUSTRALIAN NATURAL GAS RESOURCES

500 km

- Shale Gas\* and Tight Gas
- Natural Gas

Source: DMP and EnergyQuest. Current as at July 2013. Shale gas and tight gas volumes are estimates only.  
 \*Source: EIA world shale gas and oil resource assessment 2013

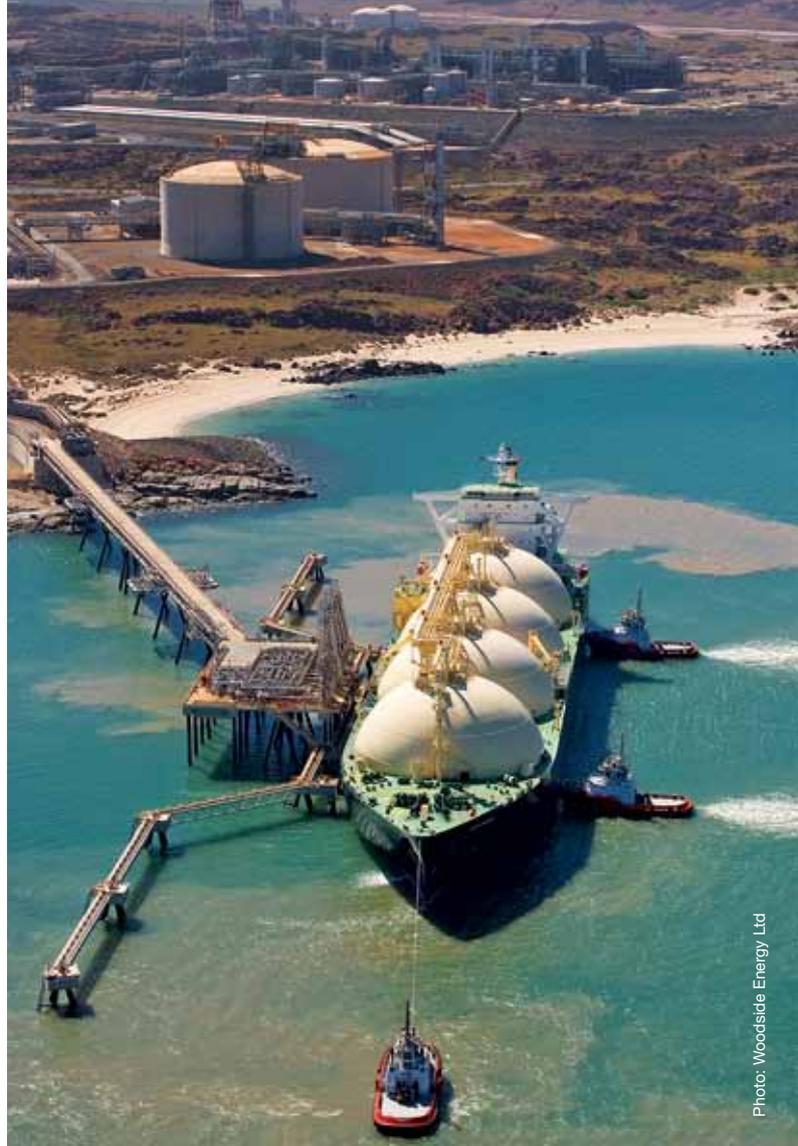


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### Western Australia's Economic Credentials

Together with its 6.3 per cent of global LNG exports, Western Australia has 64% of Australia's natural gas production and 75% of Australia's oil and condensate across 65 operating oil and gas fields.

Offshore gas deposits exceed 140 trillion cubic feet and 350 million barrels of oil. Unconventional gas resource (shale and tight) are estimated at 280 trillion cubic feet (USEIA), almost double the offshore resources.

Currently 6.3 per cent of global LNG exports are shipped out of Western Australia, with more than 3,500 cargoes exported since 1989.

The State's annual LNG production capacity of 21.4 million tonnes is forecast to grow sharply in the next five years with new projects coming on stream.

Western Australia has averaged 4.8% economic growth over the last decade due to its capacity to attract large minerals and gas projects:

- AU\$3.1 billion of oil and gas exploration in 2012
- \$117 billion LNG projects under construction or committed.

### Western Australia's Commercial Advantages

Western Australia is ideally placed to serve the Asia-Pacific and Indian Ocean markets, the drivers of global growth.

The State hosts:

- Shortest travel times from a State capital to most Asia-Pacific and Indian Ocean markets
- A common time zone with 60% of the world's population
- Longstanding business links with China, India, Japan, Korea and South East Asia, and
- Transparent regulatory framework and simplified investment procedures.

A third (830) of all Australian Stock Exchange (ASX) listed companies are based in Perth, almost 50% of these are in the energy and resources sector.

## Perth's Role as a Global Resource Centre

LNG developments in Western Australia are supported by a strong and experienced oil and gas services sector, with:

- Australian head offices of 6 out of the top 7 International Oil Companies (IOC's)
- More than 300 international companies servicing the oil and gas sector
- A regional base for more than 40 major oilfield service companies
- 78 of the FT Global 500 companies
- Australia's premier common user industrial marine precinct (Australian Marine Complex)
- Global finance, legal, consulting, aviation, transport and logistics firms, and
- Active membership of the World Energy Cities Partnership (WECP).

The global expertise and highly skilled workforce in the State provides skills in subsea exploration and production technologies, marine services and petroleum related research, advanced capabilities in FEED, geophysical surveying, project management, process and electronic engineering, fabrication and construction management.

## Western Australia's Innovation Advantages

Perth is a centre of scientific and technological innovation, driven by the needs of the energy and resources sector.

Major petroleum operators, service providers and research institutes have recognised the potential and research capability of the city, choosing to establish R&D centres in the State:

- Chevron Global Technology Centre
- GE Oil & Gas service, maintenance and training facility
- IBM Natural Resources Solutions Centre for Petroleum
- KPMG Global Oil and Gas Centre of Excellence
- Commonwealth Scientific & Industrial Research Organisation (CSIRO) centre for petroleum
- Five universities and three technical institutes offer energy-related courses and research, and
- Government/industry/university partnerships (Western Australian Energy Research Alliance — WA:ERA – comprises CSIRO, Curtin University and University of Western Australia).

Perth is also a global mining and METS hub which offers unique capabilities at the intersection of energy research.



## LNG18 in 2016

Perth will host the world's most prestigious triennial LNG conference, LNG18, which will bring together more than 5,000 representatives of global producers and governments in a concentrated exchange and demonstration of the latest industry advances.

[www.lng18.org](http://www.lng18.org)



## A Dynamic Lifestyle and Location

With liveability rankings consistently in the top 10 – one of the highest for all major energy cities in the world – Perth offers a relaxed, friendly and outdoor lifestyle with all the advantages of modern infrastructure, health and education facilities and leisure and cultural activities. Perth is also the most multicultural society in Australia.

Perth is undergoing unprecedented transformational change, with major developments and redevelopments of urban leisure and living spaces well underway.

Western Australia is large: it covers an area of 2.5 million square kilometres (3.5 times the size of Texas), and has a pristine coastline stretching 12,400 km from north to south. Perth's Mediterranean-style climate averages 8 hours of sunshine per day.

Western Australia's unique geographic and lifestyle attributes offer investors distinct advantages, particularly for an industry with a globally mobile workforce. It has Australia's highest rate of skilled migration and one of the lowest unemployment rates in the world.

Perth's attractive location and enviable lifestyle make it easier for companies to attract and retain key staff working on oil and gas projects throughout Asia, East Africa and other Australian States and Territories.

Facing the Indian Ocean, Perth is an increasingly preferred location for regional headquarters, taking advantage of local projects, a large resource base and a broad services sector.



Photo: © Tourism WA

## KEY CONTACTS

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