### 26<sup>th</sup> World Gas Conference

1 – 5 June 2015, Paris, France



AUSTRALIAN GAS – SUSTAINING ASIA'S GROWTH AND SECURING A WORLD LEADING POSITION IN LNG

GRANT KING
Origin Energy



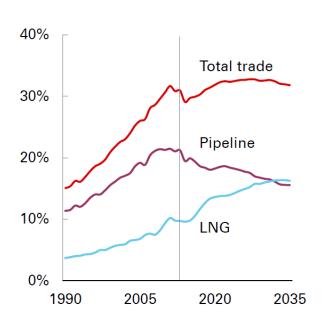
### Overview

- Australia on verge of an unprecedented transition to be world's leading LNG producer
- Growth enabled by resources, innovation, policy settings and proximity to Asia
- A focus on sustaining competitive advantages and securing next wave of investment



## Growing demand for LNG

Shares of global gas consumption



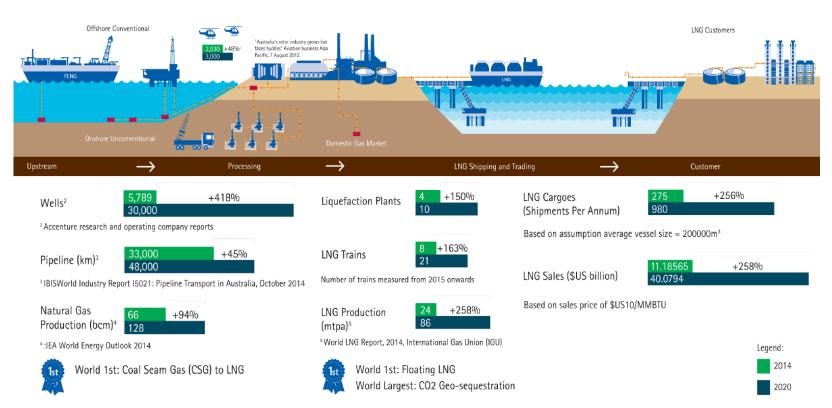
- LNG supply grows by 48 Bcf/d by 2035
- Australia (16 Bcf/d) will contribute around a third of that increase



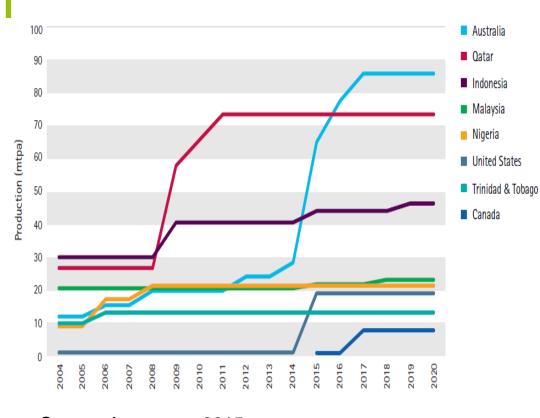
Source: BP, 2015

LNG Tanker ©Shell

### Australia on the verge of an unprecedented transition



## Australian LNG nameplate capacity





Gorgon LNG Project ©Chevron

### Australia's competitive advantage

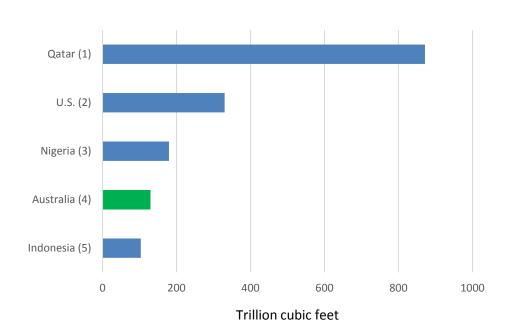
- Resource abundance
- Strong government support
- Proximity to Asia
- History of innovation



Darwin LNG ©ConocoPhillips

### Australia's gas resources rank on a global scale

### Selected international 2P gas reserves of major LNG exporters

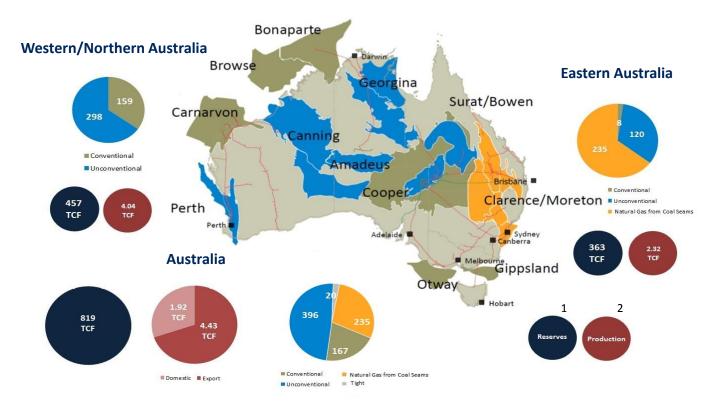




Curtis Island Projects ©Bechtel

Source: BP Statistical Review 2014

### Australia's gas resources by major basins



### Australia is an open, export-oriented and resource-based economy

#### Gas Producers in Australia



- Largest exporter of Iron Ore in the world in 2012/13 (47% share of the world market)
- Largest exporter of coking coal in the world in 2012/13 (54% share)
- Second largest exporter of thermal coal in 2012/13 (23% share)
- Third largest producer of uranium in 2012/13 (13% share)
- Second largest exporter of wheat in 2012/13 (16% share)
- Moving from the third largest exporter of LNG today to the largest by 2018











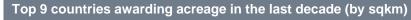
## Strong government support

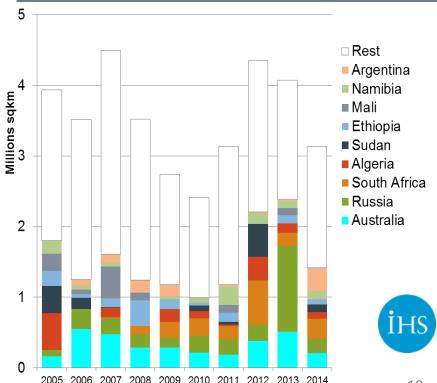
- Long standing investment in
- Jng starton.

  Jre-competitive geoscic.

  More acreage awarded in last was supplied than anywhere else

  The of
- A focus on streamlining of regulations
- No export controls
- The 4th most attractive petroleum jurisdiction for investment (IHS, 2015)



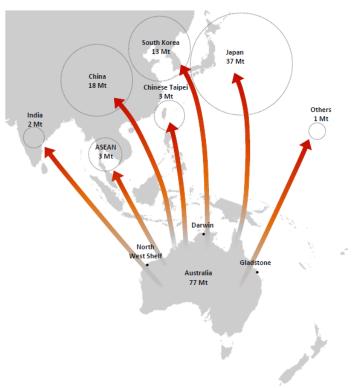


10

### Australia's LNG hubs are close to growing Asian markets



Australian export outlook, by destination, 2020



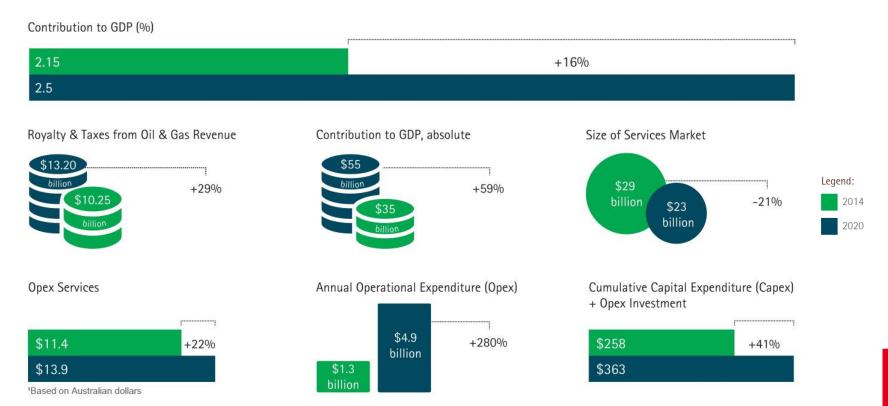
Source: WorleyParsons, 2015

### A world-leading, innovative LNG sector

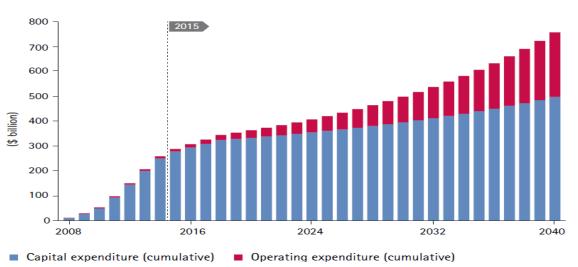
- First air cooled LNG plant (North West Shelf)
- First coal seam gas-based LNG production
- Largest floating LNG project (Prelude)
- Longest subsea pipeline (Ichthys Project)
- Largest CO<sup>2</sup> sequestration project (Gorgon Project)



## The economic impact is material

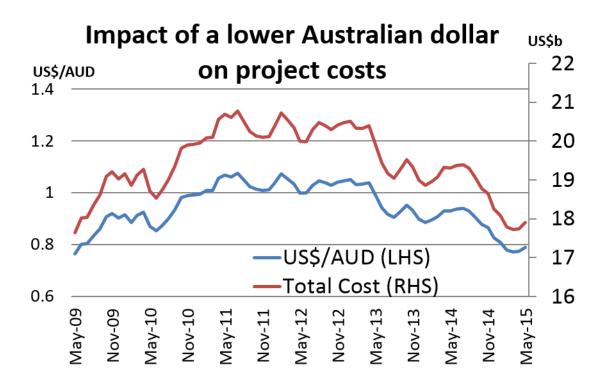


### Projected LNG capital and operating expenditure



Investment in increased LNG capacity in Australia has created substantial and sustainable opportunities for domestic and international businesses to supply goods and services to the LNG industry.

## Easing Pressure on LNG Project Costs



- Reducing regulatory burden a priority
- Streamlined approval processes offshore
- Integrated energy policy framework

Source: RBA, Songhurst (2014)

### What is the future?

- Large undeveloped resources
- A track record of applying technology and innovation
- Infrastructure, skills and services in place
- Backfill and brownfields continue to represent attractive opportunities for ongoing growth
- Encouraging signs of improving cost competitiveness necessary for new greenfields developments

### LNG 18 – Perth, Australia 11-15 April 2016



Owned and presented by



Host IGU Member



**Supporting Association** 



**Principal Sponsors** 





# Thank you