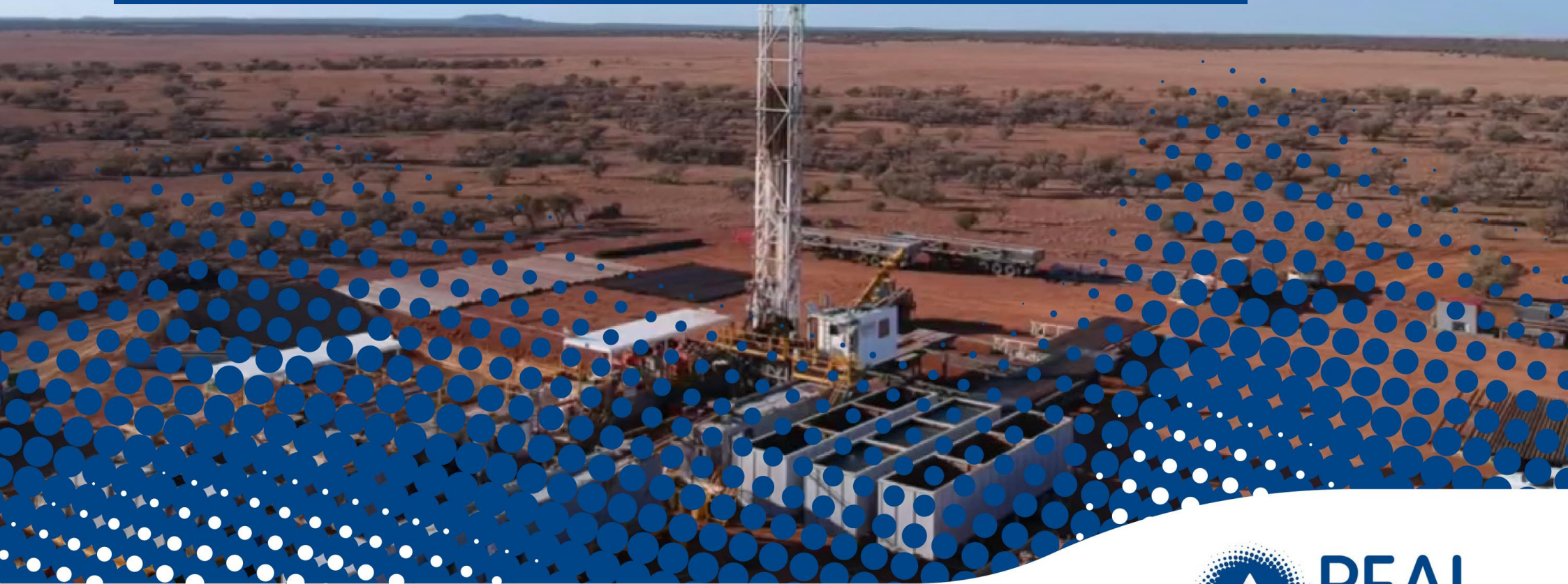


# Windorah Gas Project

Developing a Significant Gas Field in the Cooper Basin



**Real Energy Corporation Limited (ASX: RLE)**  
**October 2018**



# Five reasons to buy Real Energy

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01

**World Class Location in Cooper Basin** - Close to existing major developments and easy access to major gas pipelines connecting domestic market and LNG hub

02

**Stronger for Longer - East Coast Gas Crisis** – Well placed to supply gas to the Eastern Australian gas markets which are short of gas and dependent on undeveloped resources

03

**Significant Gas Resource** – Real Energy's acreage has a certified Estimated Total Mean Gas-In-Place of 13.76 TCF and a Maiden 3C gas resource of 672 BCF

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**Flow back - Gas Flow Rates** – Imminent results of flow back of recently drilled and fraced Tamarama 2 and 3 wells

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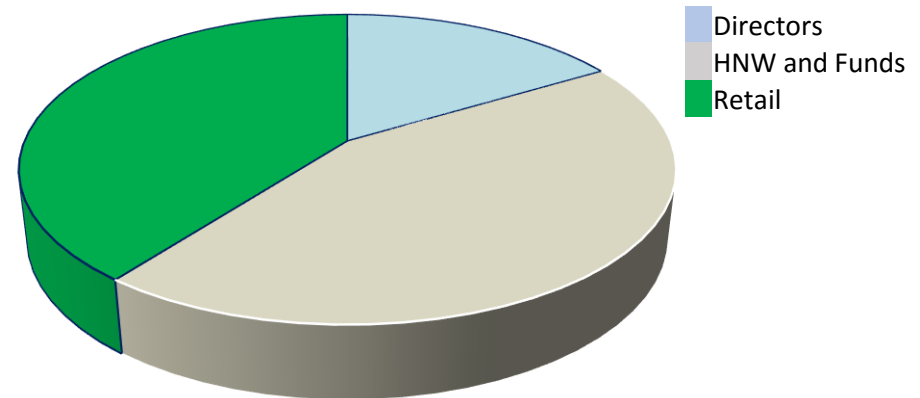
**Pathway to Sales** – Close to tie-in into major gas pipelines, strong buyer interest with agreement executed with Santos and Weston Energy, targeting production in 2019/2020

# Corporate Overview

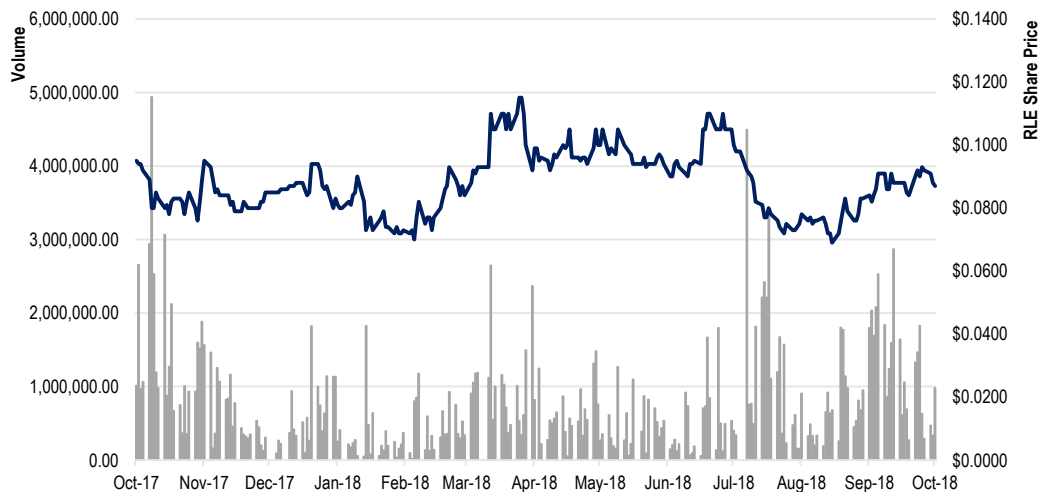
## Capital Structure

Ordinary shares	301,610,036
Share Price	\$0.080
Market Capitalisation	\$24.1M
Options	69,967,714
Cash (30 Sept 18 unaudited)	\$5.0M
Debt (30 Sept 18)	\$0
EV	\$19.1M

## Shareholder Breakdown



## Share Performance



## Board of Directors

### Lan Nguyen

### NON-EXECUTIVE CHAIRMAN

B.Sc (Mining Engineer-Geology), M.Sc (Petroleum Geology). Lan has over 25 years' experience in petroleum exploration, development and production in Australia and internationally. As Managing Director of ASX listed Mosaic Oil, he has transformed the company from a speculative petroleum explorer to a successful petroleum production company.

### Scott Brown

### MANAGING DIRECTOR

B.Bus, M. Commerce. Prior to Real Energy, Scott was the CFO of Mosaic Oil, a public Australian company with an extensive range of oil and gas production and exploration permits in Queensland, New Zealand and offshore WA. He is also a non executive director of Kairiki Energy Limited (ASX:KIK) and Oriental Technologies Investment Limited (ASX:OTI).

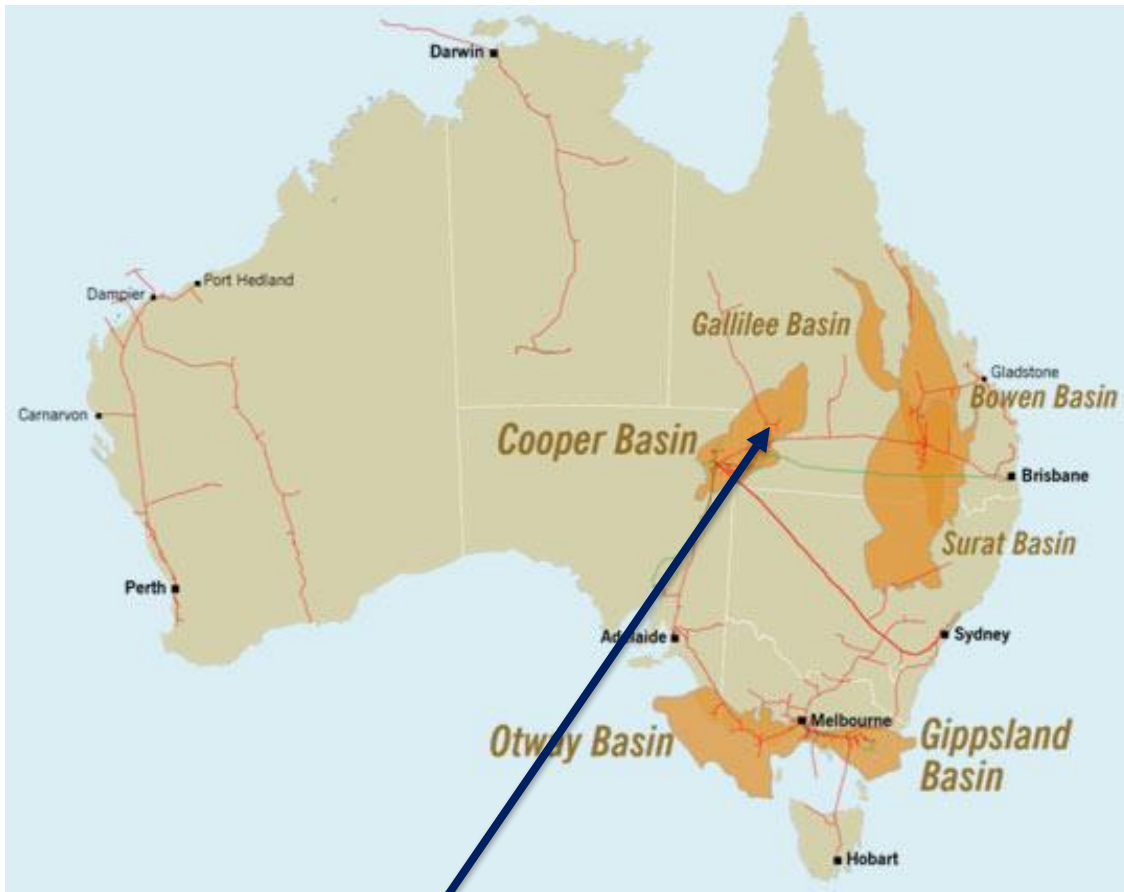
### John Wardman

### NON-EXECUTIVE DIRECTOR

Mr Wardman is a stockbroker with over 25 years industry experience and special expertise in smaller stocks. For 13 years, John was with a senior advisor with Macquarie Private Wealth and more recently with a boutique Australian wealth management firm. John has an extensive network of contacts and clients.

# World Class Location

01

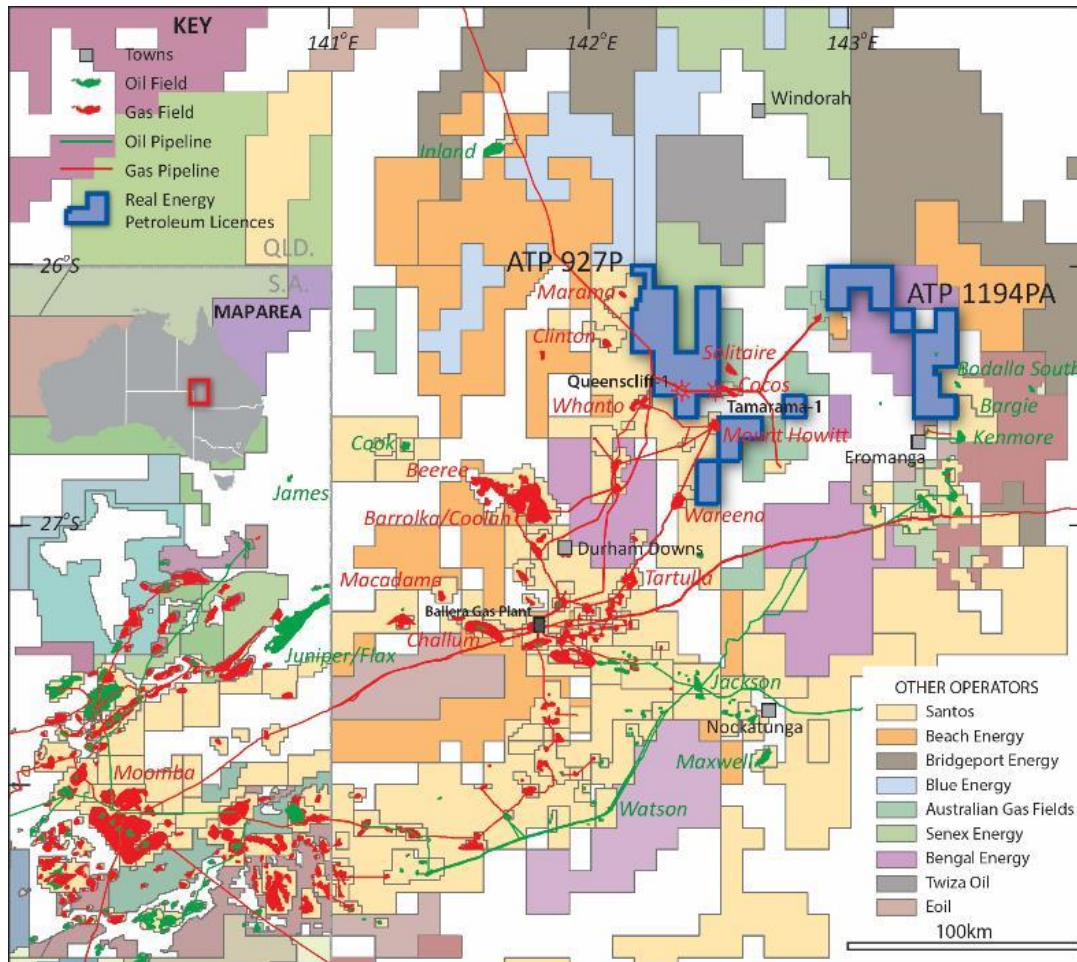


ATP 927 is located within the Windorah Trough in SW Qld.

- ◆ The Cooper Basin is a major producer of gas, NGLs, condensate and oil in SA & QLD.
- ◆ Over 3,100 petroleum wells have been drilled in the basin.
- ◆ Over 6 Tcf natural gas and 300 MMbbls of oil & condensate have been produced to date.
- ◆ More recently, exploration has focussed on unconventional /hybrid plays with major resource potential.

# World Class Location

01

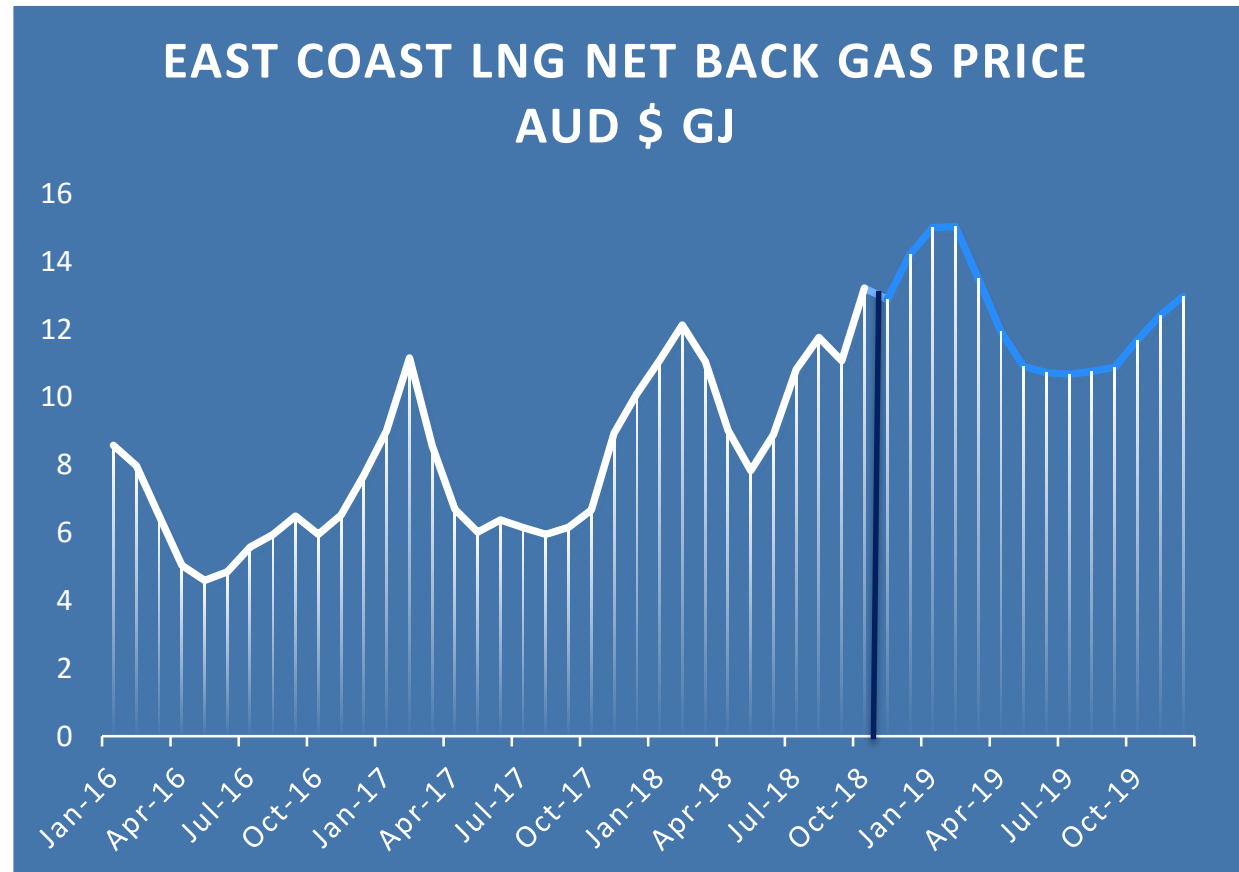


- The Cooper Basin is a major producer of gas, NGLs, condensate and oil in SA & QLD.
- 100% ownership in Queensland permits ATP 927P & ATP 1194PA
- Permits are in close proximity to major energy players with easy access to domestic and export markets
- Close to existing major developments and easy access to gas plants and major gas pipelines connecting to domestic markets and LNG hub.

# East Coast Gas Crisis

- Over 6 Tcf natural gas and 300 MMbbls of oil & condensate have been produced to date.
- East Coast gas market is still in short supply for the next five years
- Strong and growing gas demand from LNG exporters via Gladstone
- Woodmac forecasts gas prices to hit \$13.00/Gj<sup>2</sup> within 3-5 years
- Current East Coast spot gas prices \$10.21/Gj \*

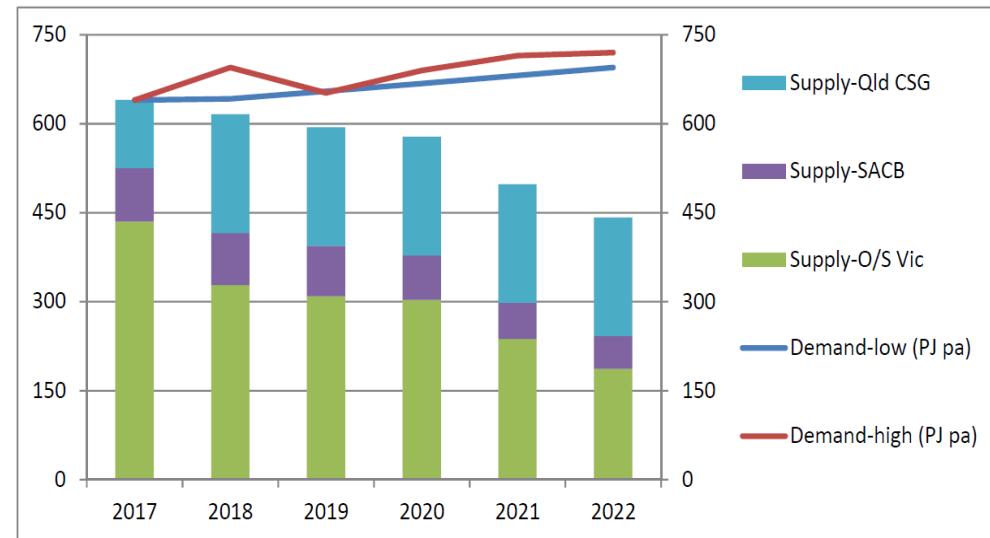
\* AEMO 25 October 2018



Source: ACCC  
2. Wood Mackenzie Forecasts at APPEA Conference May 2018

## East Coast Gas Crisis

- Three giant liquefied natural gas plants on Curtis Island, Queensland with a combined annual production capacity of 25 million tonnes are draining gas from the domestic market
- The viability of existing developments is in question and low oil prices are resulting in declining investment in gas exploration and lower production forecasts for both domestic and LNG projects
- Moratoria and regulatory restrictions are affecting onshore gas exploration and development in New South Wales, Victoria, Tasmania and the Northern Territory



East Coast gas supply and demand (Source: AEMO 29 March 2018)

*The large LNG export demand is changing the dynamics of the east coast gas markets. The smaller domestic gas sector is now linked to a more volatile world market for gas, and the size of LNG exports means small gas supply chain disruptions can have large impacts on domestic gas supply and demand in Eastern and south-eastern Australia.*

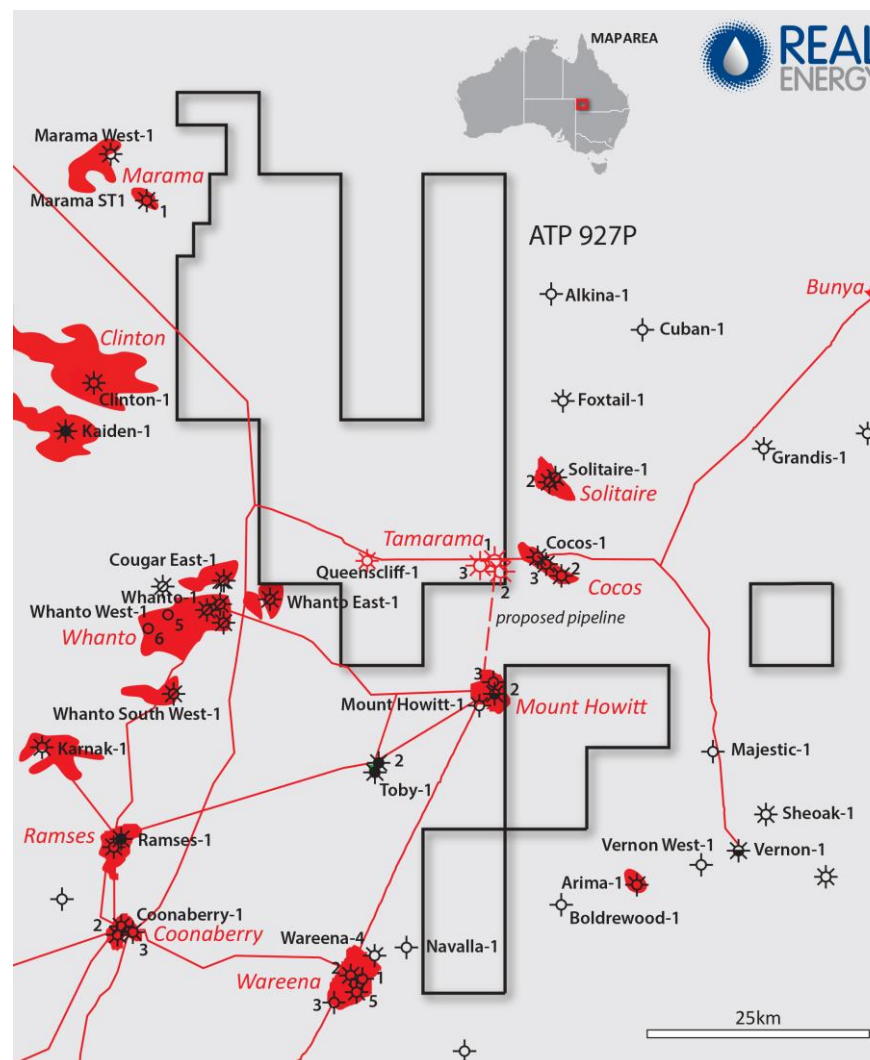
*Australian Energy Market Operator, 2017*

## Significant Gas Resource

- Maiden 3C gas resource of 672 BCF from two discoveries – Tamarama 1 & Queenscliff 1
- Good gas pay & shows in Tamarama 2 & 3
- Tamarama 2 Log-interpreted net pay of 38.8m but last 127m not logged
- Tamarama 3 Log-interpreted net pay of 58.9 metres
- We significantly de-risked the play and are on track to become a producer
- Multi-stage frac in Tamarama 2 (3 stages) and Tamarama 3 (4 stages) completed early October
- Post-frac flow backs to commence late October
- Planning to connect Tamarama 1, 2 & 3 to flow lines and expectation of production

Permit	Volume (BCF)	
	ATP 927P	ATP 1194PA
Prospective OGIP	13,761	-
2C Resources	276	-
3C Resources	672	-

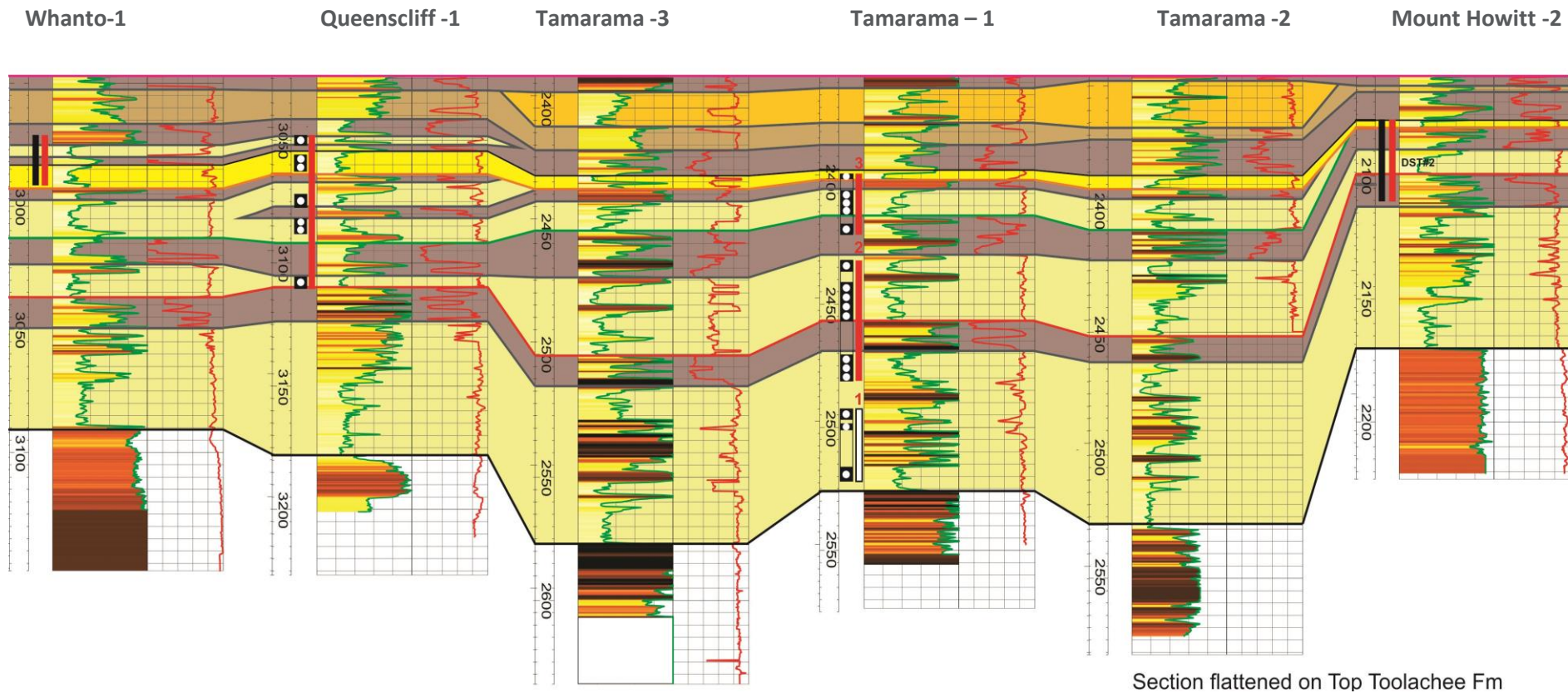
- Estimated Prospective OGIP are Mean Original Gas-In-Place excluding 2C/3C Resources.
- Gas Volumes are expressed in billions of cubic feet (BCF) at standard temperature and pressure bases.
- Resource estimates independently certified by DeGolyer & MacNaughton.





# ATP 927 Permian Stratigraphy - log correlation

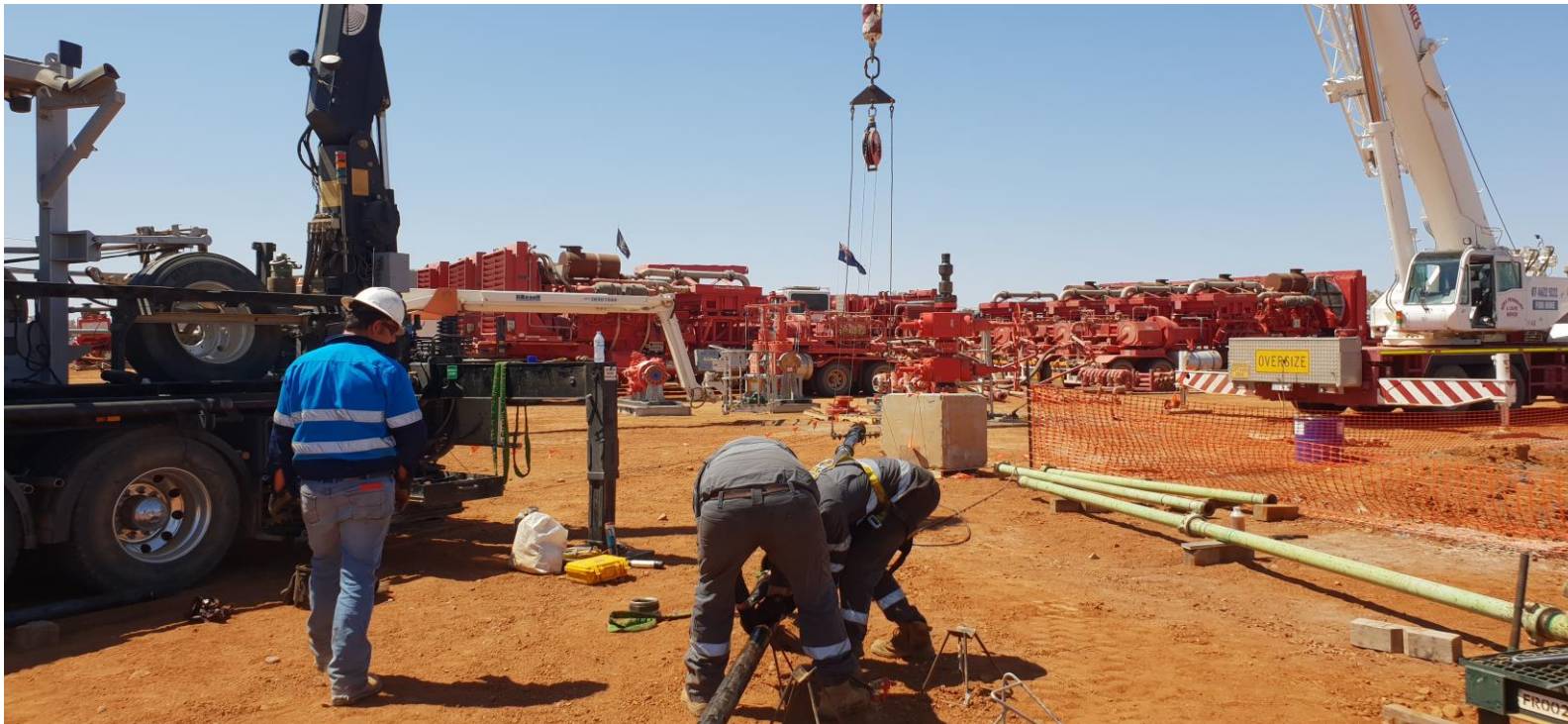
Toolachee & Patchawarra formations contain significant sandstone reservoirs which are gas charged and laterally extensive



## Near term Program

Multiple near-term value catalysts for Real Energy to be re-rated, generating significant growth in shareholder value:

1. Results of gas flow of Tamarama 2 and Tamarama 3
2. Potential Gas Sales arrangements
3. Potential re assessment of gas reserves



## Pathway to Production

- ◆ Tamarama 1 flowed at variable rates up to 2 mmcf/d;
- ◆ alignment flow technology incorporating new well designs to enable enhanced productivity through better alignment between the hydraulic fracture and the wellbore.
- ◆ Tamarama 2 & Tamarama 3 drilled as deviated wells at 30 degree slope.
- ◆ Reservoir modelling on Tamarama 3 suggests initial flow rates should exceed 3 MMscf/day.
- ◆ Reservoir modelling on Tamarama-2 suggests initial flow rates should exceed 3 MMscf/day.



Tamarama 1 flaring from flow back



First Gas from Tamarama 2 - flaring from flow back

# Potential Pathway to Production – Proposed Field Development Program

05

PHASE	PHASE	PHASE
<b>01</b>	<b>02</b>	<b>03</b>
<b>PILOT PRODUCTION</b>	<b>STAGE 1 DEVELOPMENT</b>	<b>STAGE 2 DEVELOPMENT</b>
<p>3 Tamarama wells drilled and fraced.</p> <p>Design and engineering of surface facilities and flow lines.</p> <p>Initial pilot production from Tamarama 1, 2 &amp; 3.</p>	<p>Drilling and development of six more wells near Tamarama.</p> <p>Conservative production target of 20 TJ/d.</p>	<p>Full field development of ATP 927 as a tier one gas project – project target of 100 TJ/d</p> <p>Real Energy’s objective is to certify 3P (Proven, Probable and Possible) reserves in excess of 2 TCF.</p>

## Pathway to Sales

- Agreement with Santos for gas processing – pipeline 13km from well head; Tamarama 1 gas well will be on production when flow lines into the Santos network are established;
- MOU for gas sales with Weston Energy and strong interest from gas buyers – key value driver;
- Other potential buyers interested in entering discussions



# Investment Highlights

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## **Geological Information**

The geological information in this presentation relating to geological information and resources is based on information compiled by Mr Lan Nguyen, who is a Member of Petroleum Exploration Society of Australia, the American Association of Petroleum Geologist, and the Society of the Petroleum Engineers and has sufficient experience to qualify as a Competent Person. Mr Nguyen consents to the inclusion of the matters based on his information in the form and context in which they appear. The information related to the results of drilled petroleum wells has been sourced from the publicly available well completion reports.



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