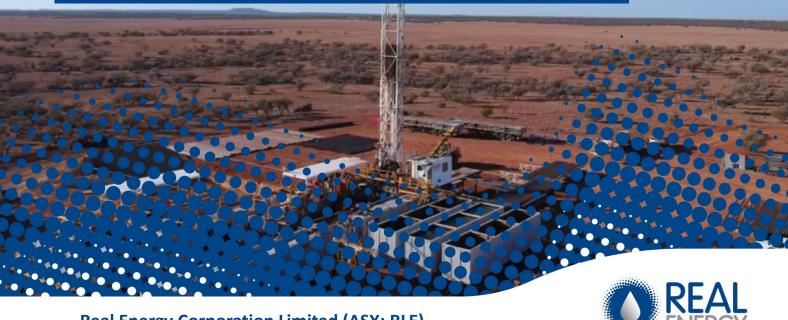


Developing a Significant Gas Field in the Cooper Basin



Real Energy Corporation Limited (ASX: RLE) February 2019

# Windorah Gas Project – Achievements to date

- 4 wells drilled in 927P all gas discoveries Close to existing major developments and easy access to major gas pipelines connecting Australian domestic market and LNG hubs
- Gas Flow Rates Initial flow of 2 mmcf/d and 2.5 mmcf/d recently completed Tamarama 2 and 3 wells likely to be commercial producers.
- Agreement for gas processing and Transporting executed with Santos Limited and Beach Energy Limited Well placed to supply gas to the Eastern Australian gas markets which are short gas and dependent on undeveloped resources
- Application for Pipeline Licence lodged with Queensland Government 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
- Sales Pathway MOU with Weston Energy for gas sales and with strong buyer interest from other parties. On track for production in 2019/2020

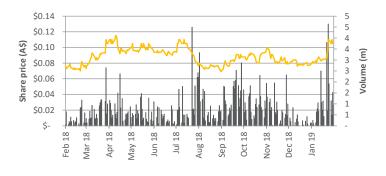


# **Corporate Overview**

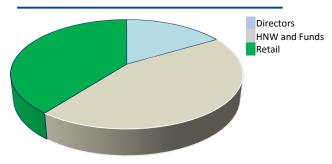
### Capital Structure

Ordinary Shares	301,610,036
Share Price	\$0.100
Market Capitialisation M\$	\$30.2
Options	69,967,714
Cash & Undrawn Facilities M\$	
(31 December 18 unaudited)	\$3.1
Debt	-
FV MS	\$27.8

### **Share Performance**



## Shareholder Breakdown



## **Board of Directors**

Lan Nguyen

8.5c (Mining Engineer-Geology), M.5c (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.

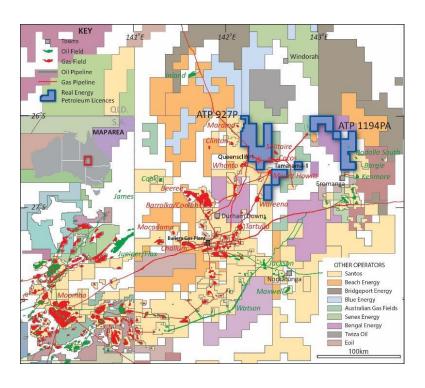
MANAGING DIRECTOR

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).

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.



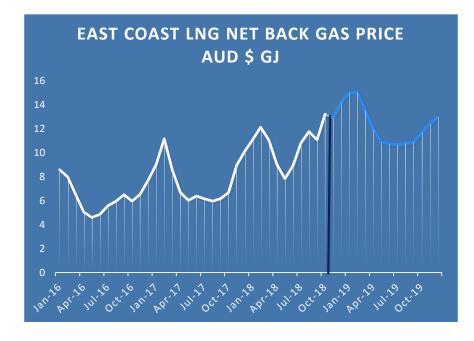


- ◆ The Cooper Basin is a major producer of gas, NGLs, condensate and oil in SA & QLD
- ◆ 100% ownership in Queensland permits ATP 927P & ATP 1194PA
- Permits are in close proximity to major energy players with easy access to domestic and export markets
- Close to existing major developments and easy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



## **East Coast Gas Crisis**

- ◆ East Coast gas market still in short supply for the next five years
- Strong and growing gas demand from LNG exporters via Gladstone
- ◆ Sydney gas prices have had spikes above \$13.00/Gj² in the last few months
- ◆ Current East Coast spot gas prices \$12.35/Gj \*

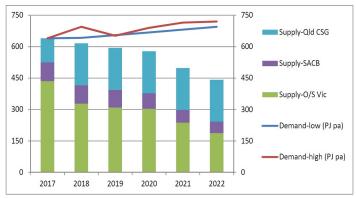


Source: ACCC

\* AEMO 30 January 2019



- Three giant LNG plants on Curtis Island, Queensland with a combined annual production capacity of 25 million tonnes are draining gas from domestic market
- 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 affecting onshore gas exploration and development in New South Wales, Victoria, Tasmania and 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.

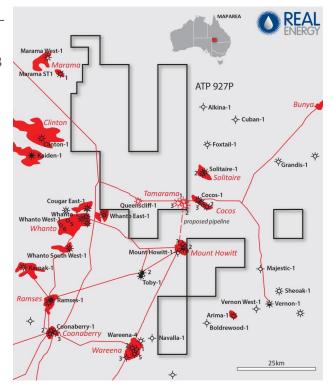
Australian Energy Market Operator, 2017



- Maiden 3C gas resource of 672 BCF from two discoveries Tamarama 1 & Queenscliff 1
- Multi-stage frac in Tamarama 2 (3 stages) and Tamarama 3 (4 stages) completed early October
- ▶ Tamarama 2 had initial flow rates of 2 mmcf/d Jan 19
- ▶ Tamarama 3 had initial flow rates of 2.5 mmcf/d Jan 19
- Both wells now shut in Good pressure build ups in both wells
- Real energy has significantly de-risked the play and are on track to become a producer
- Planning to connect Tamarama 1, 2 & 3 to flow lines and expectation of production

	Volume (BCF)	
Permit	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.





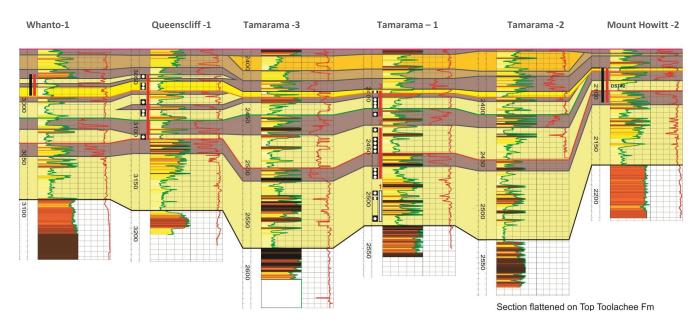
# Significant Gas Resource





# ATP 927 Permian Stratigraphy - log correlation

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





- Real Energy signed aTie-in and Processing with Santos and Beach Energy so gas will be transported and processed at Moomba
- An application for pipeline licence has been lodged between the Tamarama area and Mt Howitt
- 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



Tamarama 2 flaring from initial flow



# Potential Pathway to Production – Proposed Field Development Program

05

**PHASE** 

01

### **PILOT PRODUCTION**

- 3 Tamarama wells drilled and completed
- Design and engineering of surface facilities and flow lines connecting Mt Howitt
- Initial pilot production from Tamarama 1, 2 & 3

PHASE

02

## **STAGE 1 DEVELOPMENT**

- Drilling and development of six more wells near Tamarama
- Conservative production target of 20 TJ/d

PHASE

03

## **STAGE 2 DEVELOPMENT**

- Full field development of ATP 927 as a tier one gas project – project target of 100 TJ/d
- Real Energy's objective is to certify 3P (Proven, Probable and Possible) reserves in excess of 2 TCF



# Near Term Program to Drive Commercialisation / Re-Rating





## Target for Q1/Q2 CY 2019

- Potential Gas Sale Arrangements STRONG BUYER INTEREST!
- Potential Upgrade of Resources /Reserves

## **Target for CY 2019**

- Award of gas pipeline licence by Queensland Government
- Tie into existing gas gathering and processing system only 14km away, subject to funding and approvals



# **Investment Summary**

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

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

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 – targeting reserves certification by 2<sup>nd</sup> Quarter CY2019

Flow back - Gas Flow Rates – Good initial flow backs of recently completed Tamarama 2 and 3 wells – likely to be commercial producers

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



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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.



