



2020 Update

11.8 TCF Gas Resources

Management have done it before

Pure Energy Corporation

Real Energy Corporation Limited (ASX: RLE)

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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 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.

Notes

1. See announcement dated 12 December 2019 - Project Venus Prospective Gas Resources 694 PJ Best
2. The Prospective Gas Resources is a combination of Project Venus Prospective Gas Resources 694 PJ Best, with Serowe CSG Project Prospective Gas Resources of 2.4 Trillion Cubic Feet (Tcf) and the Windorah Gas Project Prospective Gas Resources of 8.8Tcf which was adjusted for the reduced ATP 927P area post partial relinquishment in September 2019.
3. The contingent gas resources were disclosed in Real Energy announcement dated 23 August 2019. The Prospective resource estimates made in DeGolyer Mac Naughton July 2015 for ATP927P – Announced 21 July 2015. The stated figures have been adjusted for the reduced ATP 927P area post partial relinquishment in September 2019
4. See Strata X Energy Announcement dated 14 May 2019 – 83% increase in Prospective Gas Resource in the Serowe CSG Project.

CORPORATE STRUCTURE

Pure Energy is the merger of Real Energy and Strata-X Energy.



PRE-MERGER:

Real Energy: 427 million shares

Strata-X Energy: 123 million shares

MERGER:

1 Strata-X Energy share for 3 Real Energy shares
= post merger shares on issue ~268 million shares

Chairman: Ron Prefontaine

Previously ED/MD of Arrow and Bow CSG

Managing Director: Scott Brown

Previously CFO/Finance director of Mosaic Oil, Objective Corporation Limited and Allegiance Mining.

Director: Lan Nguyen

Previously Chairman of Real Energy, MD of Mosaic Oil

Two energy businesses:

3 exciting Gas projects

Pure Hydrogen

**PURE ENERGY
HAS AN 11.8 TCF
DIVERSIFIED GAS
PORTFOLIO**

**100% Surat Basin CSG,
Queensland**
694PJ (640 BCF)
in proven Walloon CSG¹



**100% Serowe CSG,
Botswana (farmed out)**
2.38 TCF
of high-grade CSG⁴



100% Cooper Basin gas
8.8 TCF
basin centered gas³



PROJECT VENUS

A FIRST CLASS ADDRESS

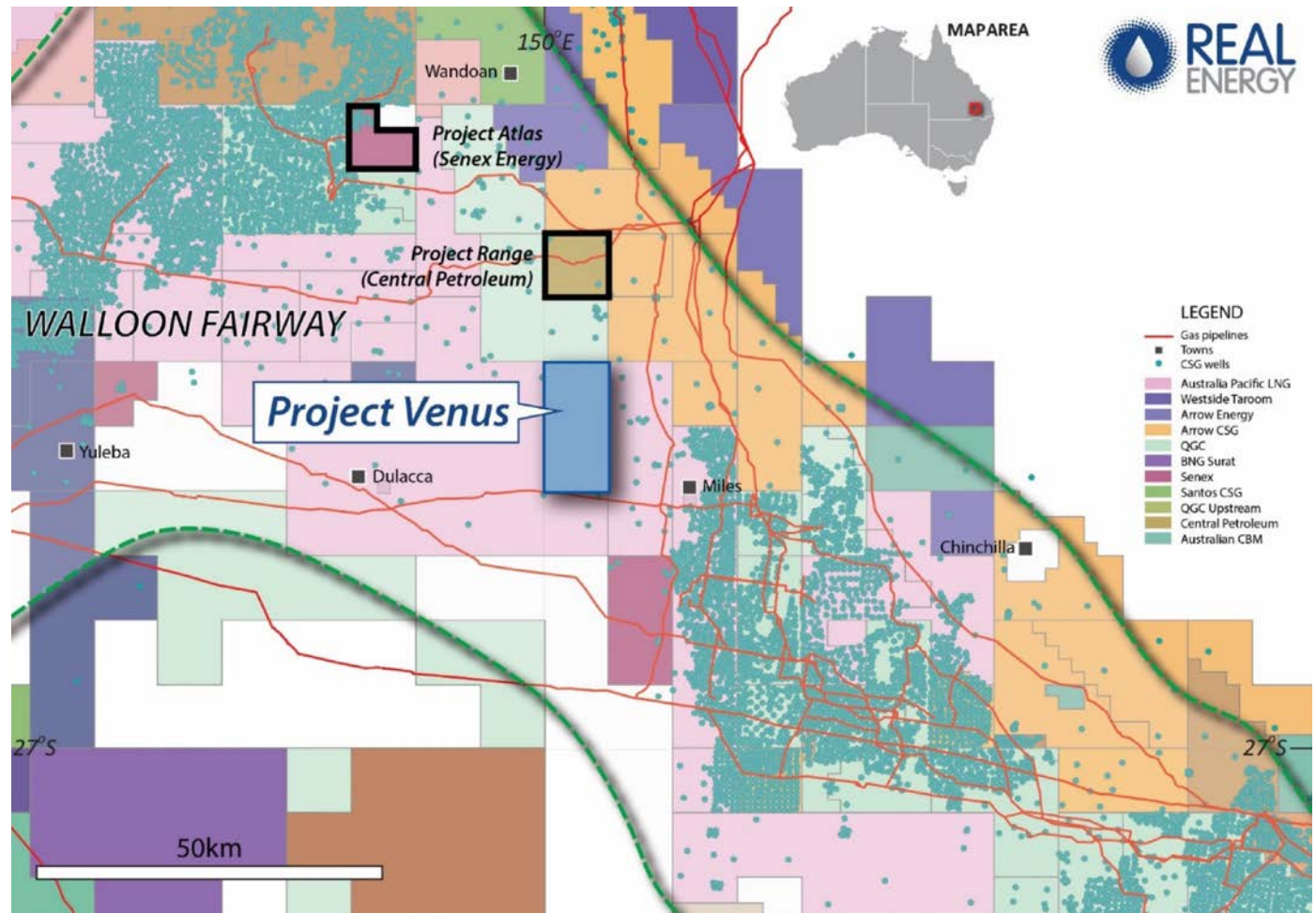
Walloon CSG fairway is prolific gas producing region with over 10,000 wells drilled (see green dots on map)

Nearby 'small' operators have:

The Ironbark Project was reported sold at \$231M with reported reserves of 129PJ¹

Senex Energy² is developing Project Atlas – reported 2P reserves 234 PJ

Central Petroleum² is developing Project Range – reported 2C contingent resources of 270 PJ



100% Surat Basin CSG, Queensland
694PJ (640 BCF) in proven Walloon CSG¹

Source 1 & 2: Respective ASX Announcements

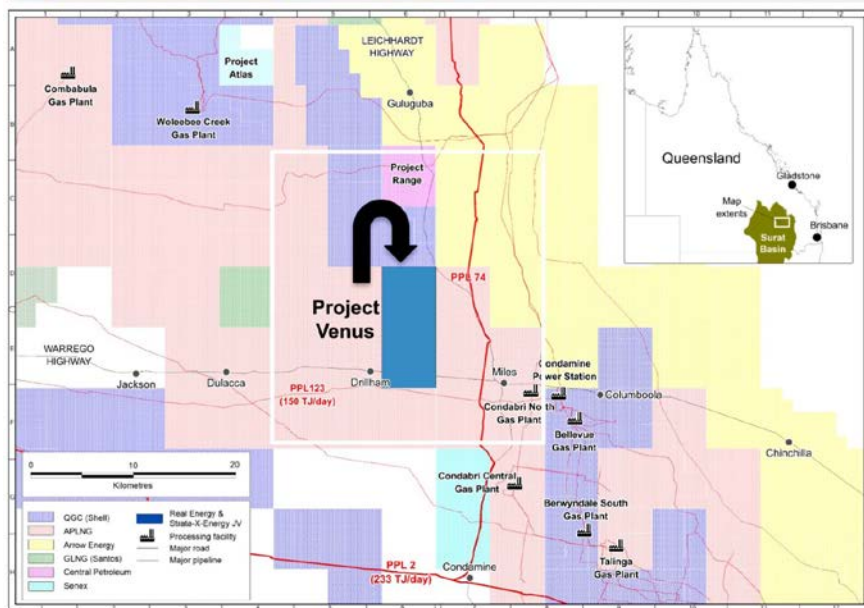
694 PJ PROSPECTIVE GAS¹ RESOURCE IN PROVEN SURAT CSG FAIRWAY

Over 4000 CSG wells drilled on the CSG fairway

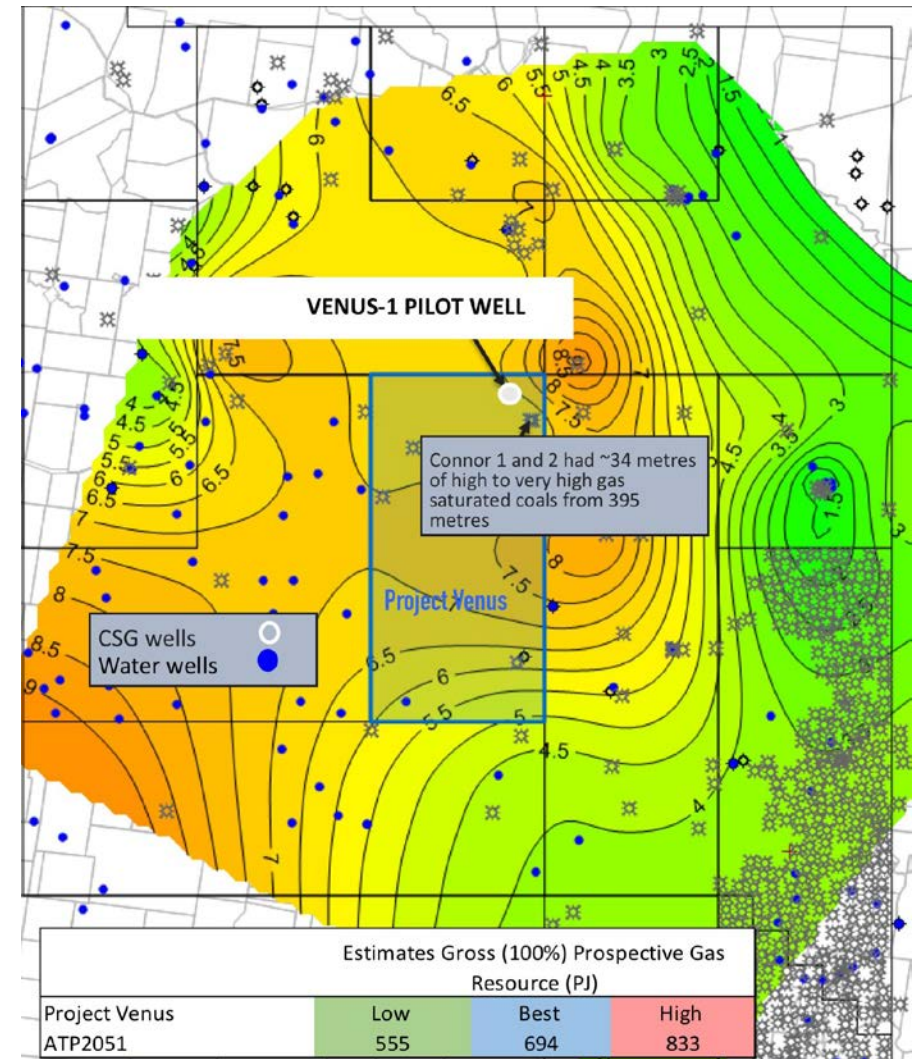
Characterised by high gas saturations,
multiple coal seams.

Pilot targets determination of the the optimum completion methods to achieve commercial gas flow rates.

Once commercial gas flows achieved can systematically convert resources into saleable gas.



BCF per KM² gas resource in Walloon Coals



PURE'S PATH TO MAIDEN WALLOON CSG RESERVES CERTIFICATION

The Venus CSG Project has a large gas resource with infrastructure and gas markets:

There are tens of wells within and around the permit plus several fully cored and fully analysed coals offering excellent data that demonstrates 694 PJ of prospective gas resource.

The wells confirm the continuity of the coals throughout the permit and mostly strong attributes for commercial CSG production, particularly in the Connor area in the northern half of the permit where the Connor-2 core hole retrieved 30 metres of high to very high gas saturated coals.

For CSG, one size does NOT fit all – must design area specific drilling, completion and production methods:

The weakest CSG attribute in the Connor area is low 'apparent' coal reservoir permeability.

Pure interprets there is sufficient permeability (perm) in the Connor area but it is mostly micro perm which cannot be preserved by technology and methods used in other areas of the Walloon fairway.

Pure has drilled Venus-1, within 2 km of Connor-2 and will set it up as a production pilot well.

Will use Connor area, new technology and methods of drilling, reservoir enhancement, completion and production designed to preserve micro perm and enhance perm to target early gas flows.

Once confidence of achieving commercial gas flows – it is a 'yellow brick road' to predictable reserves growth.

We have done it before.

STRONG GAS IN PURE ENERGY'S FIRST PILOT CSG WELL VENUS 1



Drill Venus-1 ~1.8 km NW of Connor-2 core hole:

Drill to ~715 metres, encountered ~25 metres net gassy coals.

Complete the well as a CSG pilot well:

Apply non-frack coal reservoir enhancement of the Juandah gassy coal seams using new technology coil tubing methods.

Short term pre and post stimulation flow tests.

Complete Venus-1 as the JV's first CSG Pilot well.

Flow test until ~March 2021.

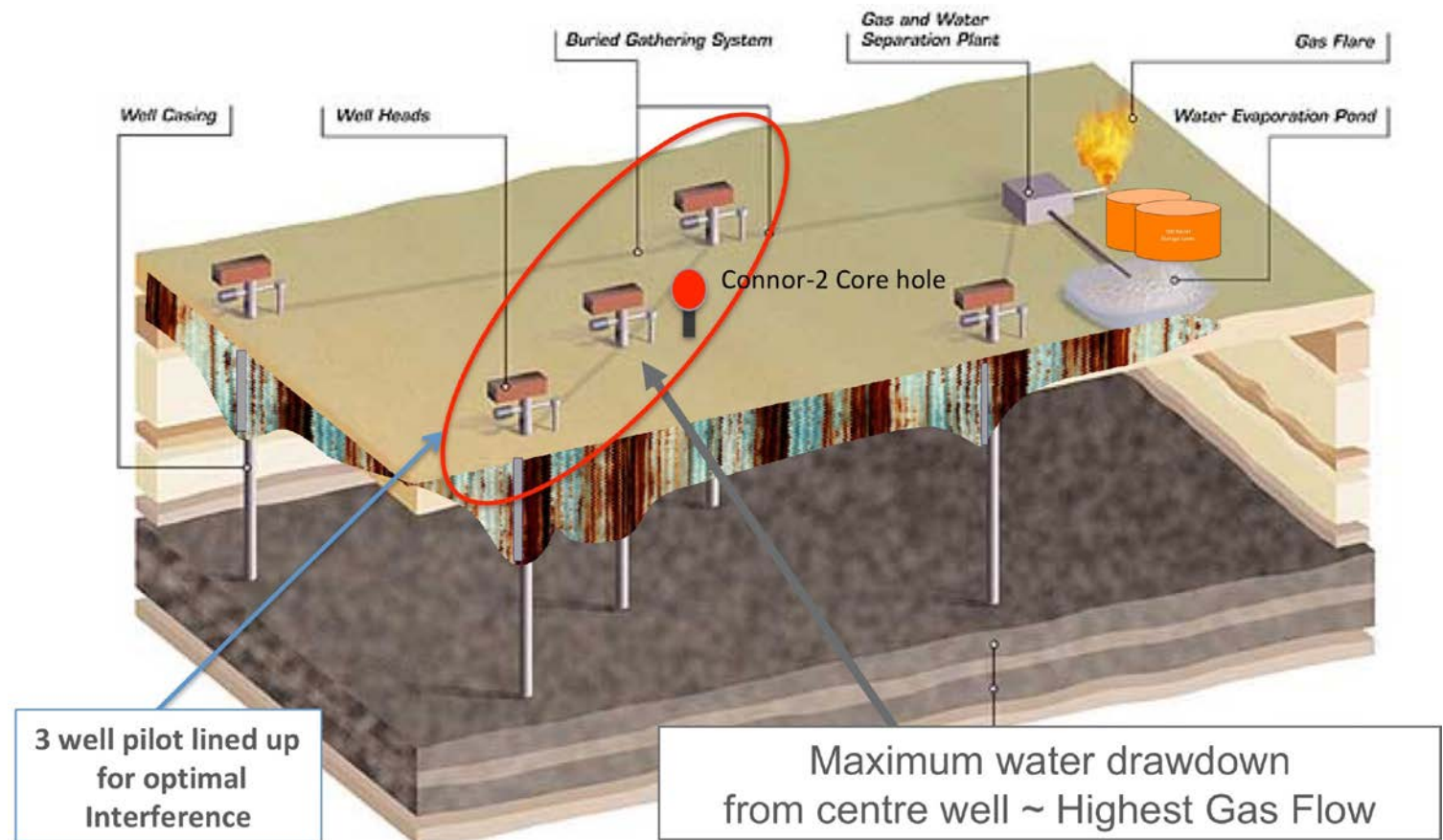
Contingent Resource estimate end of 1st Quarter

Then expand to 3-well CSG pilot or commence development.

CSG PILOTS

CSG pilots are designed to prove sufficient gas flow rates to commence reserve certifications.

Pilot located adjacent to core hole with 100% gas saturations in upper Walloon coal seams



Pilot development layout

(not to scale)

WINDORAH GAS PROJECT – COOPER BASIN

Prospective OGIP 8,800 BCF
2C Resources 330 BCF
3C Resources 770 BCF

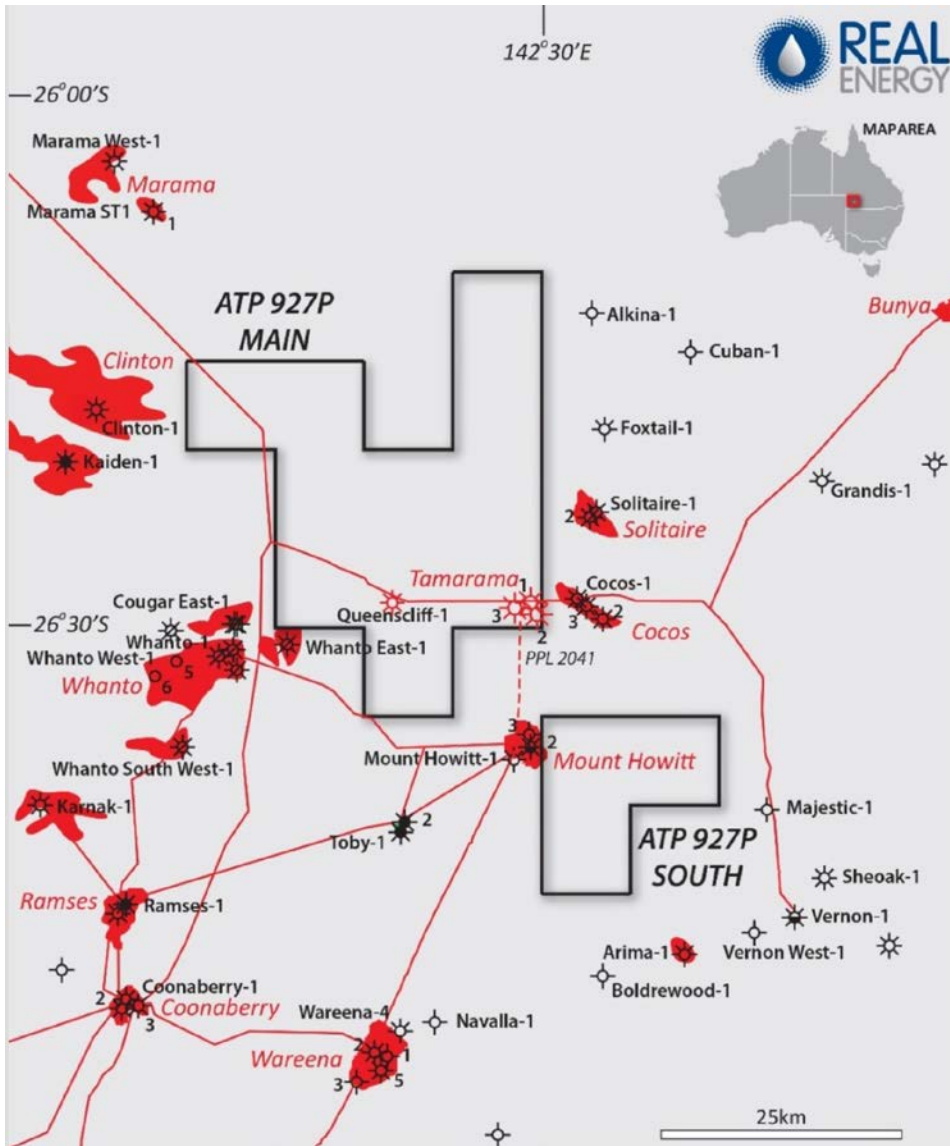
Estimated Prospective OGIP are Mean Original Gas-In-Place adjusted for renewal and excluding 2C/3C Resources.

Gas Volumes are expressed in billions of cubic feet (BCF) at standard temperature and pressure bases.

Resource estimates independently certified by DeGolyer & MacNaughton (Queenscliff area) & Aeon Petroleum Consultants (Tamarama area)



COOPER - BASIN CENTERED GAS



Proposed coil tubing enhancements on current vertical wells

Four gas wells drilled:

Tamarama-1, 2 & 3 + Queenscliff-1 were all gas discoveries.

Certified 2C/3C gas resources of 330/770 BCF3.

Tamarama-2 had initial flow rates of 2 mmcf/d.

Tamarama-3 had initial flow rates of 2.5 mmcf/d.

Coil tubing deployed reservoir enhancements:

Anticipate considerable improvements in Tamarama-2 gas flow rates using coil tubing workovers with non-frack reservoir enhancement.

Total cost expected to be less than \$1 million.

Sufficient improvement in flow rates allows for early gas sales.

SEROWE CSG PROJECT, BOTSWANA AFRICA

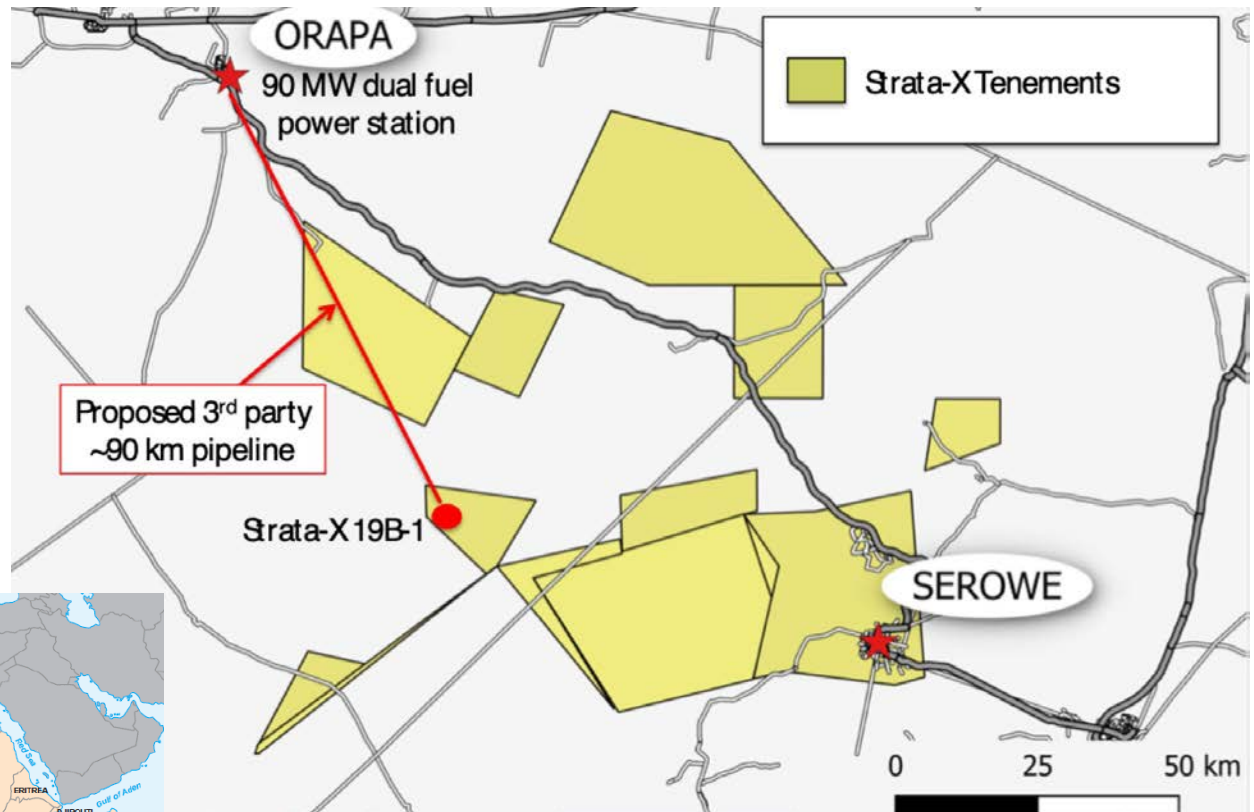
100% of 364,325 acres (1,475 sq km)
interpreted high-grade CSG.

2.38Tcf Prospective Resource and 23Bcf 2C4

Drilling is pending lifting of Covid-19 travel
restrictions

3rd party funded \$7 million appraisal
program to commence March Quarter
2021.

Targets predictable reserves growth.



GAS FOR DIESEL SUBSTITUTION AT NEARBY ORAPA DUAL FUEL POWER STATION

Compressed Natural Gas (CNG) – offers early cash flow

- CNG hub planned at Pure's Serowe CSG field to transport gas on roads.
- CNG generates early cash flow while pipeline/compression infrastructure is planned and built.
- Multiple CNG markets – bus companies, mines, solar backed by CNG.
- Initially supply CNG to Orapa until pipeline built.



Orapa 90 Mw dual fuel power station

Orapa power station – foundation gas market

- 90-megawatt capacity with dual fuel configuration (diesel & natural gas).
- ~90 km from Pure's high-grade CSG area.
- Currently a peaking station using imported diesel.
- Fully funded appraisal program targets reserves to supply Pure's gas for 24/7 base load electricity generation.
- Drilling to commence when international travel restrictions are eased.
- Data integration in progress.

PURE HYDROGEN BUSINESS PLAN



Domestic Market

Hub and Spoke model

Small plants
close to customer
- 1-10 tonnes per day



Storage and Local Transport

20 Ft trailers will
contain about 500Kgs
of Hydrogen
– Initially will be dropped
at a customer site



Large Scale and Export

Large Plants targeting
larger users and export
including liquidfaction
and export via ships



Technology

Methane Pyrolysis
holy grail of
Hydrogen Production
where you have
Graphene and Hydrogen
produced

MERGER OF EQUALS CREATES VERY HIGH POTENTIAL AND DIVERSIFIED GAS PORTFOLIO

Pure to have 11.8 TCF of prospective gas resource in three 100% owned projects:

- 100% CSG Walloon Surat Basin – 640 BCF1 Project Venus.
- 100% Cooper Basin centered gas – 8.8 TCF/330 BCF 2C/770 BCF 3C3 Windorah Gas Project.
- 100% CSG Botswana – 2.4 TCF4 Serowe CSG Project. Fully carried on \$US4.6 million (\$7 million) de-risk program; 51% retained after de-risk program completed.

Venus 1 - First CSG Pilot well drilled

Venus-1 drilled to ~715 metres vertical depth and encountered ~25 metres net gassy coals.

- Venus-1 will be set up as a CSG Pilot well with flow testing in early 2021.
- New technology non-frack reservoir enhancement and borehole stabilisation treatment allows for simpler/less expensive completions and potential for early gas flows.
- Production testing targets gas flows and paths to reserves certifications.

PROVING COMMERCIAL GAS FLOWS
ARE THE KEYS TO RESERVES GROWTH:
Next 12 months: Pure Energy to test completion
methods targeting commercial gas flow rates.

AT A GLANCE

Pure energy to have:

~267 million ASX listed shares

MD and Chairman own ~11.5 %

Two energy businesses:

Solid Gas projects

Hydrogen projects





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