



Investor pack
10 October 2017

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Qualified petroleum reserve and resources evaluator: This Presentation contains information on petroleum reserves and resources which is based on and fairly represents information and supporting documentation reviewed by Mr Andrew Thomas who is a full time employee of Cooper Energy holding the position of General Manager, Exploration & Subsurface, holds a Bachelor of Science (Hons), is a member of the American Association of Petroleum Geologists and the Society of Petroleum Engineers and is qualified in accordance with ASX Listing Rule 5.41 and has consented to the inclusion of this information in the form and context in which it appears.

Reserves and Contingent Resources estimates: Information on the company’s reserves and resources and their calculation are provided in the appendices to this presentation.

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P50 as it relates to costs is best estimate; **P90** as it relates to costs is high estimate

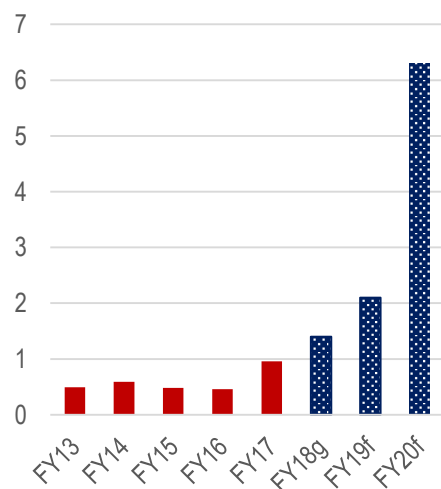
Cooper Energy – an introduction

ASX300, growing its business on a leading position in gas supply to south east Australia.

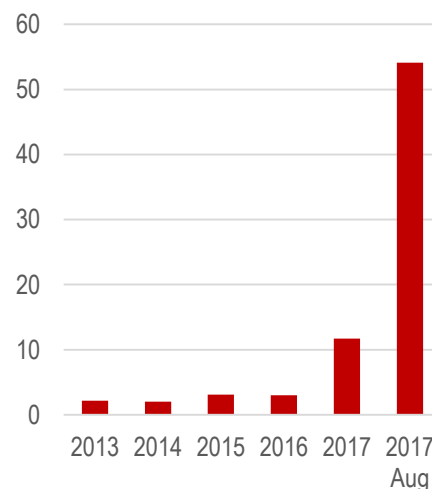
Key features:

1. Cash generating gas and oil production.
2. Growth profile of more than 5 times in 3 years to 2020.
3. Capital strength, current projects fully funded.
4. Leading mid-tier player in gas supply to south-east Australia; with gas among most competitive for the region's high value markets.
5. Management and board with proven experience in gas commercialisation and growing resource companies.

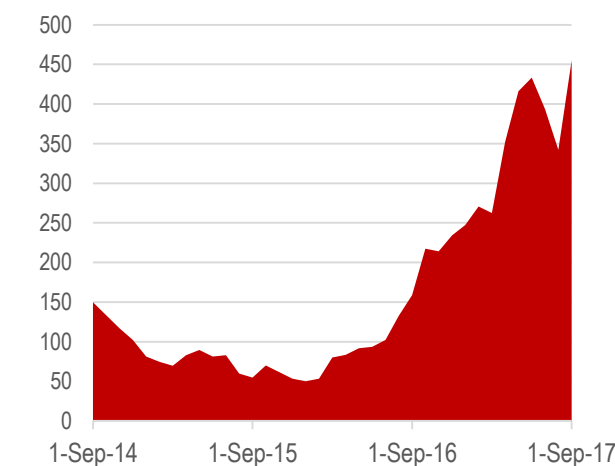
Production
MMboe



2P Reserves
MMboe



Market capitalisation
\$ million



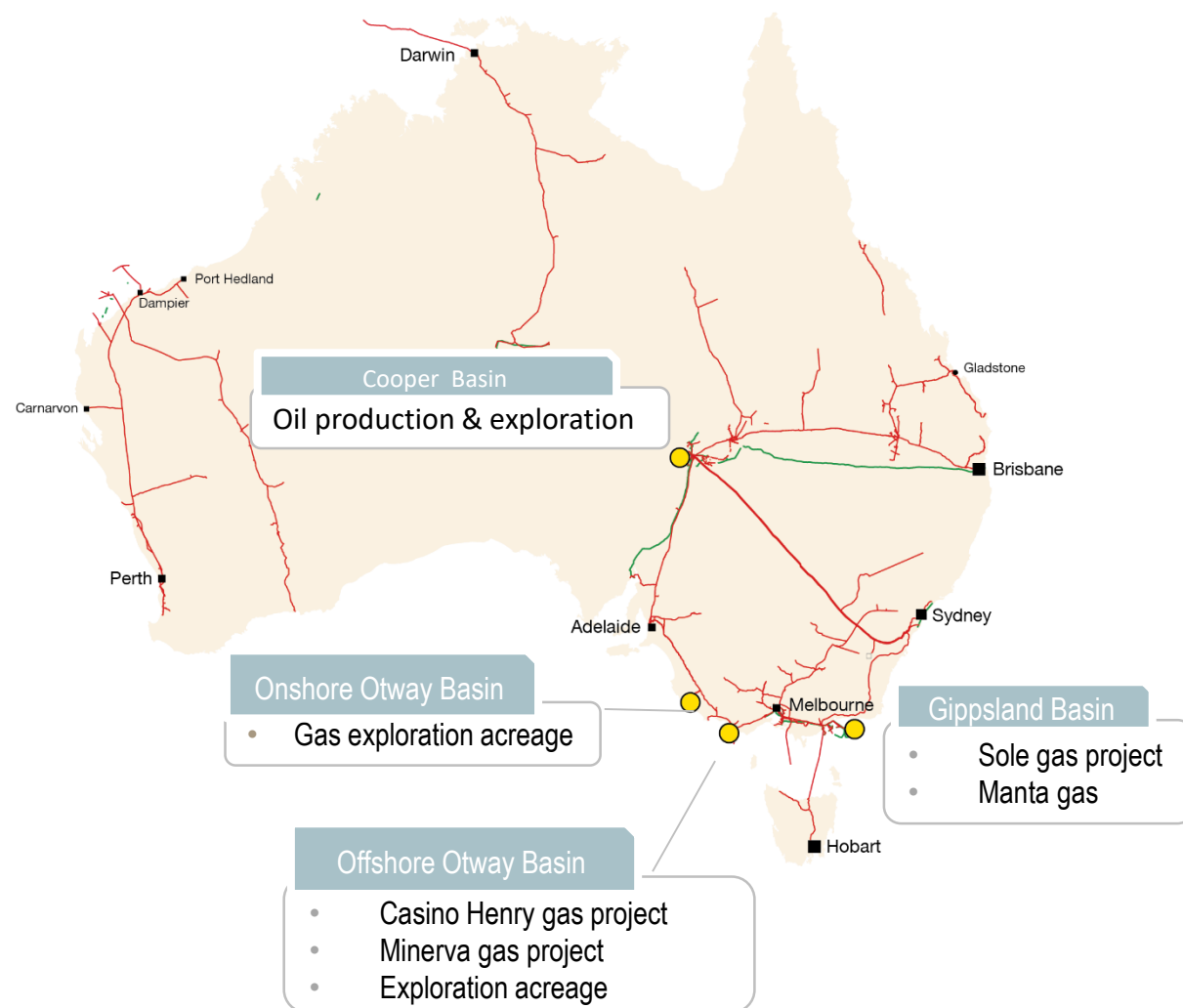
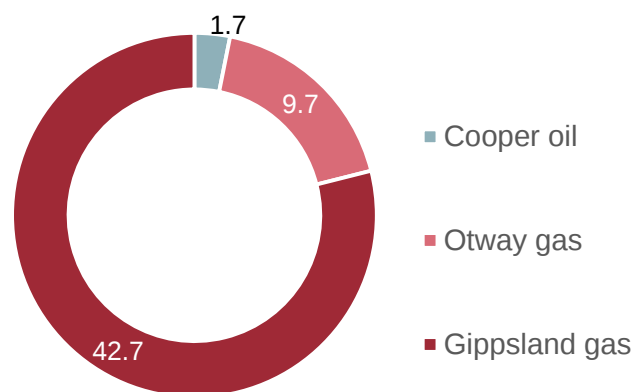
Cooper Energy - assets

Portfolio built around winning position on cost curve

Key statistics*

Proved & Probable Reserves	54.1 MMboe
Contingent Resources (2C)	34.9 MMboe
Production FY18 guidance	1.4 MMboe
Market capitalisation	\$439 million
Net cash/(debt)	\$147.5 million

Proved & Probable Reserves
54.1 MMboe



Background

Portfolio assembled through patient strategy execution over 5 years

2011-12 Strategy & analysis

Cooper Basin oil production

International exploration

- ✓ Identifies opportunity in south-east Australia gas
- ✓ Identifies Gippsland and Otway basin as most competitive supply source

2012 -14 Build Basin understanding

- ✓ Somerton Energy acquisition adds Otway acreage
- ✓ Onshore Otway drilling
- ✓ Stake and technical support for Bass Oil in Gippsland

2016 Otway & Gippsland acquisition

- ✓ Acquires Santos Victorian Gas Assets in Otway and Gippsland for \$62 million plus \$20 million on Sole FID
- ✓ Takes equity in Sole & Orbest to 100%
- ✓ Moves to 100% of BMG

2014 BMG acquisition

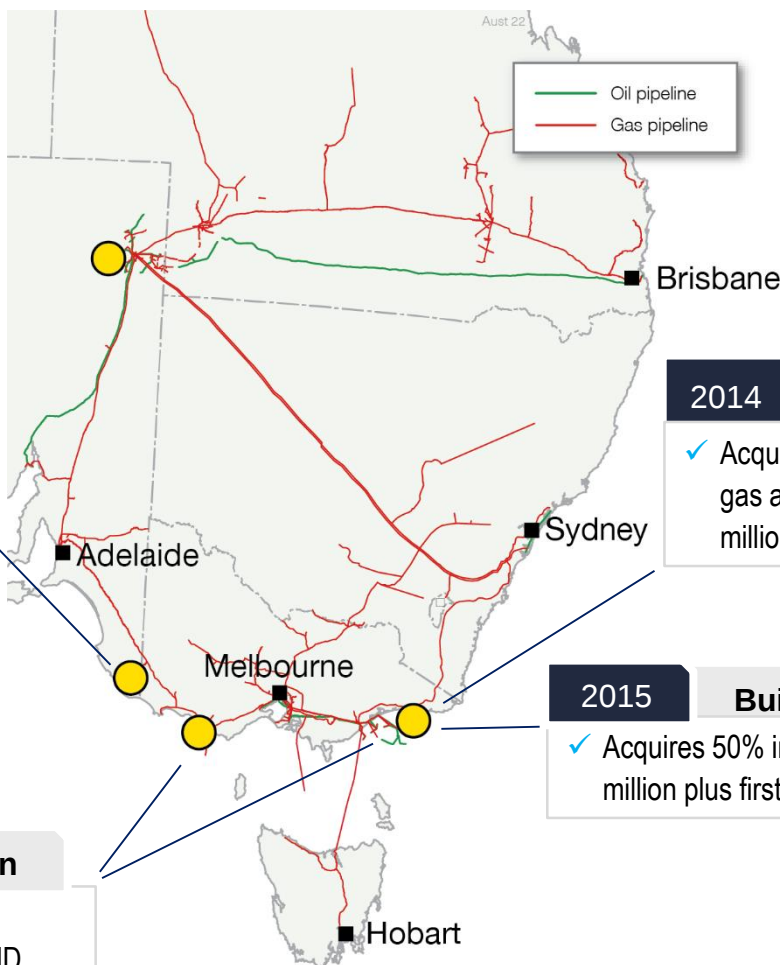
- ✓ Acquires 65% interest in Basker Manta Gummy (BMG) gas and liquids resource for \$1.0 million + deferred \$5 million on first hydrocarbon

2015 Builds Gippsland position

- ✓ Acquires 50% interest in Sole gas field & Orbest Gas Plant for \$2.5 million plus first \$25 million Sole FEED & development costs

2017 Producing, operating & developing

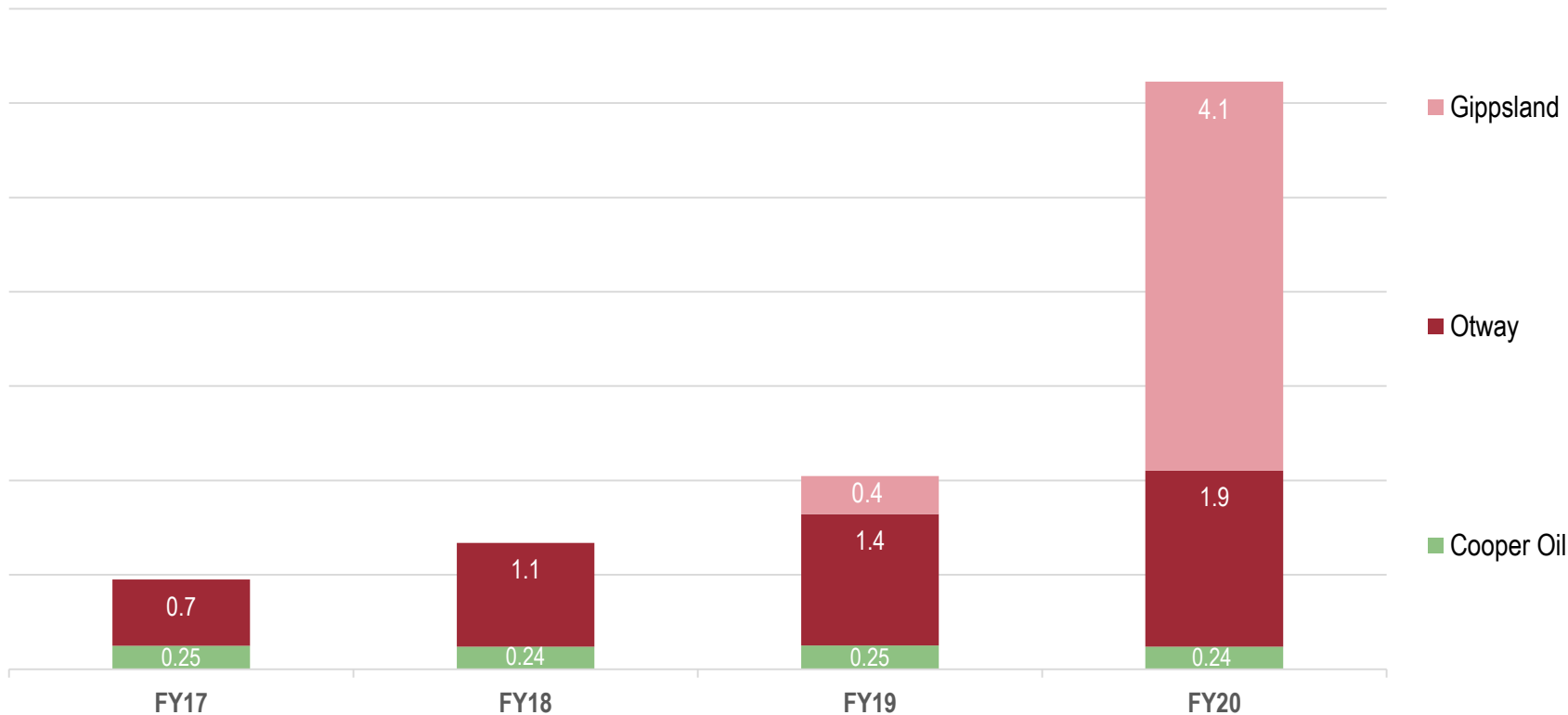
- ✓ Agreement with APA Group to acquire, upgrade operate Orbest Gas Plant
- ✓ Appointed Operator of Otway Basin and Gippsland licences
- ✓ Sole gas project FID



Production profile from existing assets and projects

Gas production from current assets has capacity to drive 3 year, 5 times, production uplift

Cooper Energy total production
MMboe



- Otway gas includes: Casino Henry workover and Henry development well¹. Minerva which is approaching depletion;
- Sole project underway to commence gas deliveries to plant in March '19
- Evaluating optimisation of Gippsland interests as part of Manta planning

Contracted and uncontracted gas

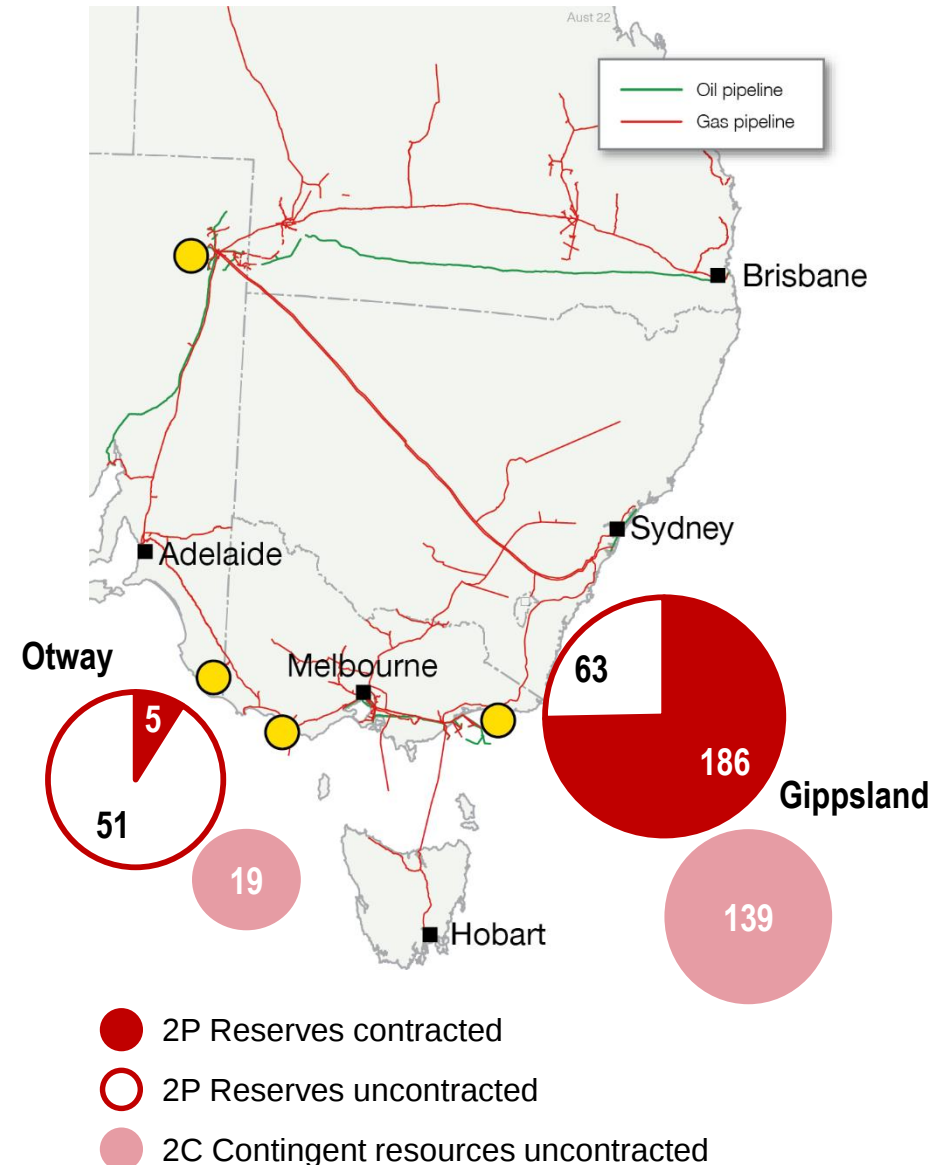
305 PJ 2P gas and 158 2C gas in south-east Australia close to markets and infrastructure

Otway Basin

- 56 PJ proved & probable gas reserves at Casino Henry & Minerva
- 43 PJ undeveloped; planning for development via Henry development well mid CY18
- Marketing uncontracted gas for supply from March '18
- 19 PJ contingent resource (2C) at Black Watch
- Significant unaddressed exploration potential

Gippsland Basin

- 249 PJ proved & probable reserves at Sole
- Manta - 106 PJ contingent resource (2C)
- Basker - smaller contingent resource
- Additional gas exploration potential in deep Manta reservoir



¹ Reserves and Contingent Resources at 25 August 2017 were announced to the ASX on 29 August 2017. The resources information displayed should be read in conjunction with the information provided on the calculation of Reserves and Contingent Resources provided in the appendices to this document.

Gas market update

Gas buyers' enthusiasm to secure supply unchanged, spot price stabilised \$8 to \$10/GJ

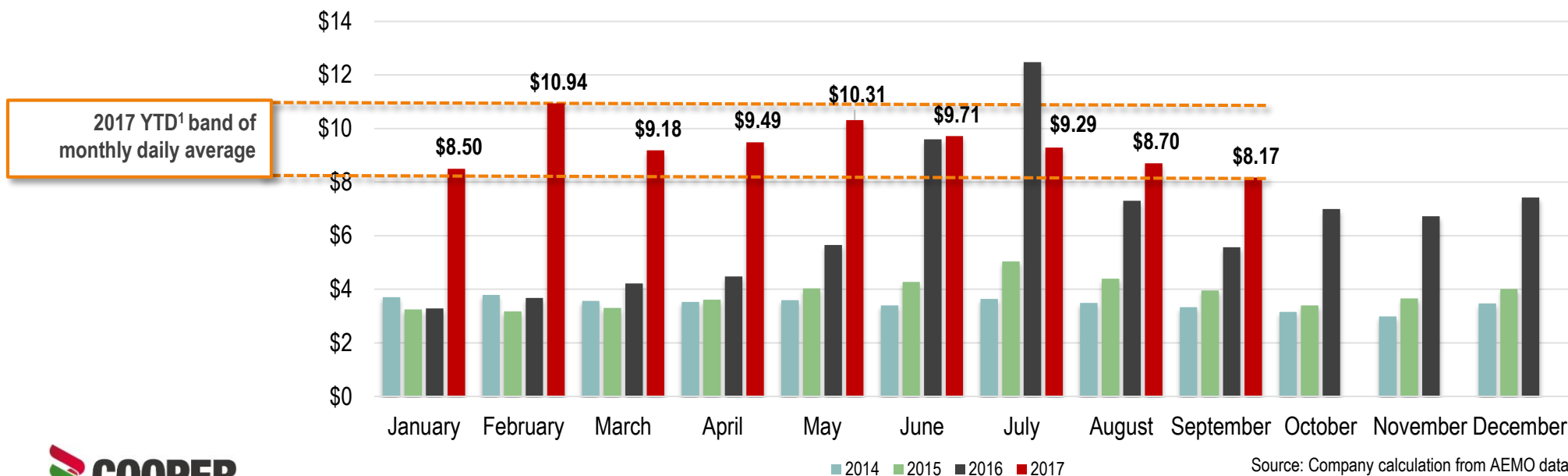
Cooper Energy

- Commenced detailed discussions with gas buyers for supply contracts from Casino Henry (Otway Basin) from March 2018
- Ongoing enquiries for gas supply

Victorian gas market

- Victorian spot price stabilised at \$8 to \$10/GJ
- Independent analysis suggests Melbourne delivered cost for Queensland CSG of \$9 to \$10+/GJ

Victorian Average Daily Wholesale Gas Price by Month
A\$/GJ



Source: Company calculation from AEMO data

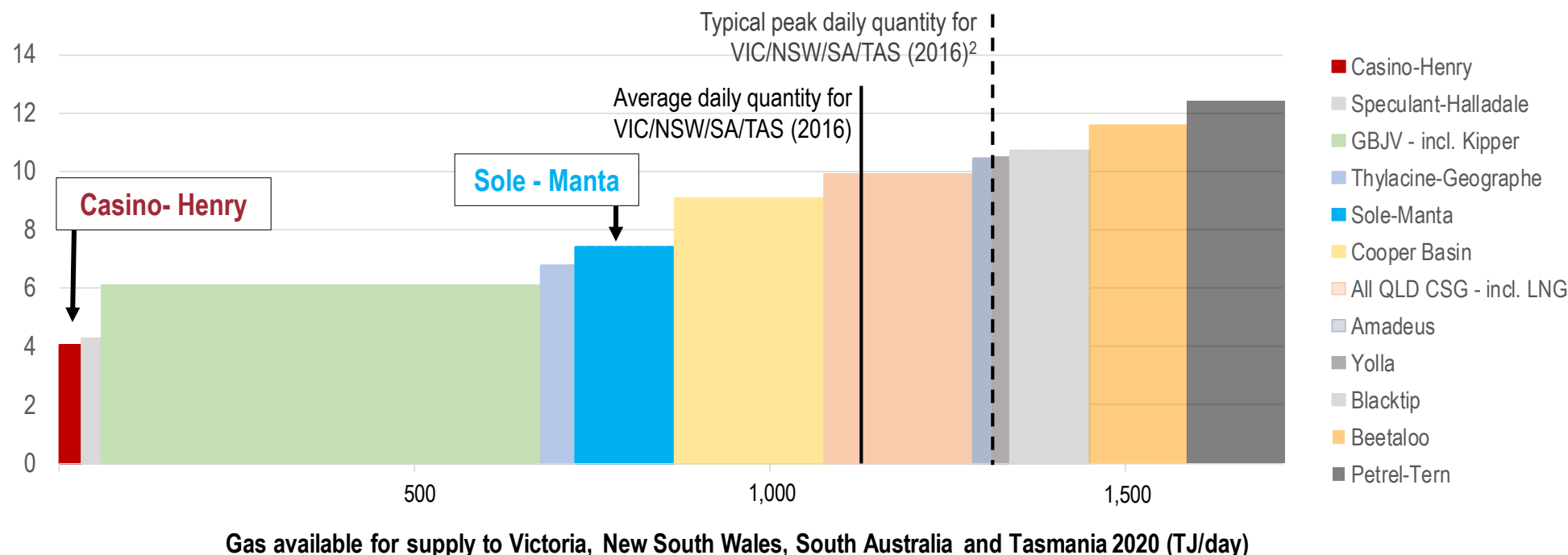
¹ YTD = calendar year to 22 August 2017

South-east Australia¹ gas supply costs in 2020*

Cooper Energy projects are cost competitive for south-east Australia

Delivered Melbourne city gate cost for gas from eastern Australia available for delivery to domestic market in 2020*

AUD / GJ



* Note: all estimates are as calculated by EnergyQuest and based on known capital expenditure to date, which may exceed cost to the current project owner(s).

Source: EnergyQuest

- Delivered Melbourne city gate gas cost in 2017 AUD based on economic upstream cost (including acceptable return) and pipeline charge
- Average daily volume determined by upstream reservoir & facilities capacity and taking account of pipeline capacities, from known gas reserves and resources with access to infrastructure and anticipated to be available in 2020/21
- Excludes gas that may be available from storage

¹ South-east Australia comprises New South Wales, Victoria, South Australia and Tasmania

² Cooper Energy estimate. Represents 75% percentile of 2016 daily gas flows

Offshore Otway Basin

Gas production and marketing for new contracts to supply from March '18

Casino Henry (50% interest & Operator)

- Supplying gas to EnergyAustralia under current contract which expires March '18
- Processed at Iona Gas Plant
- Pursuing new contract and processing agreements for from March '18
- Development opportunities

Minerva gas field and plant (10% interest)

- Field approaching depletion; Plant strategically located

VIC/P44

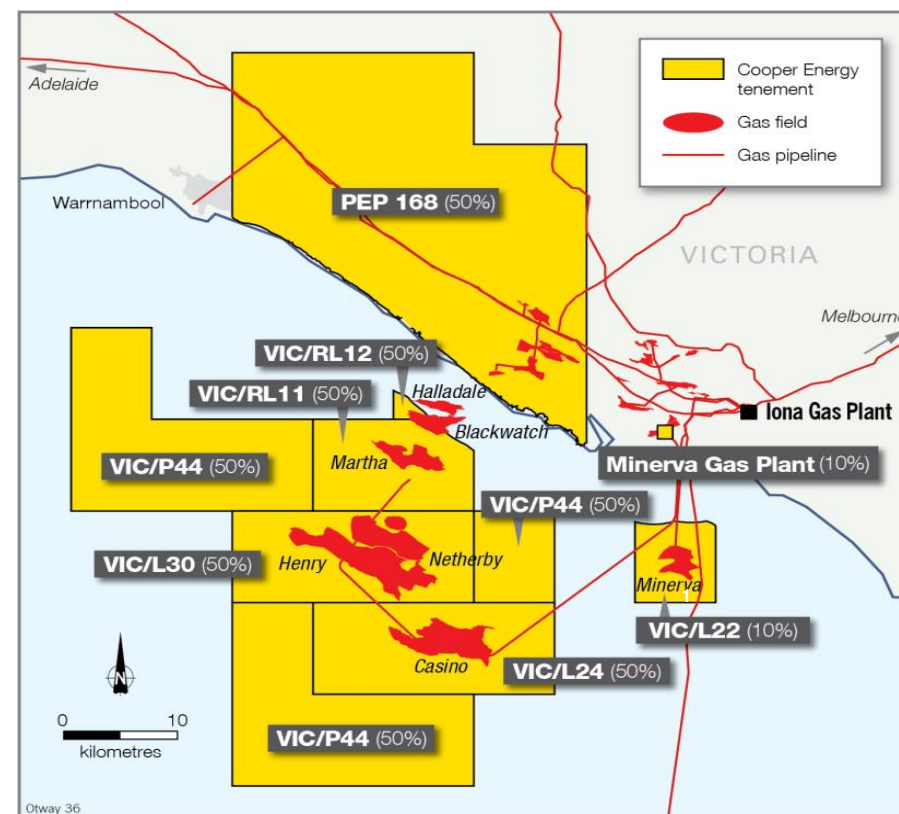
- Prospect rich acreage close to infrastructure & market

2017 production (6 months to 30 June)

Sales gas PJ	4.0
Condensate kbbl	3.6

2P Reserves at 30 June 2017¹

	Developed	Undeveloped	Total
Sales gas PJ	14.1	43.1	57.2
Condensate Kbbl	0.01	0.04	0.04



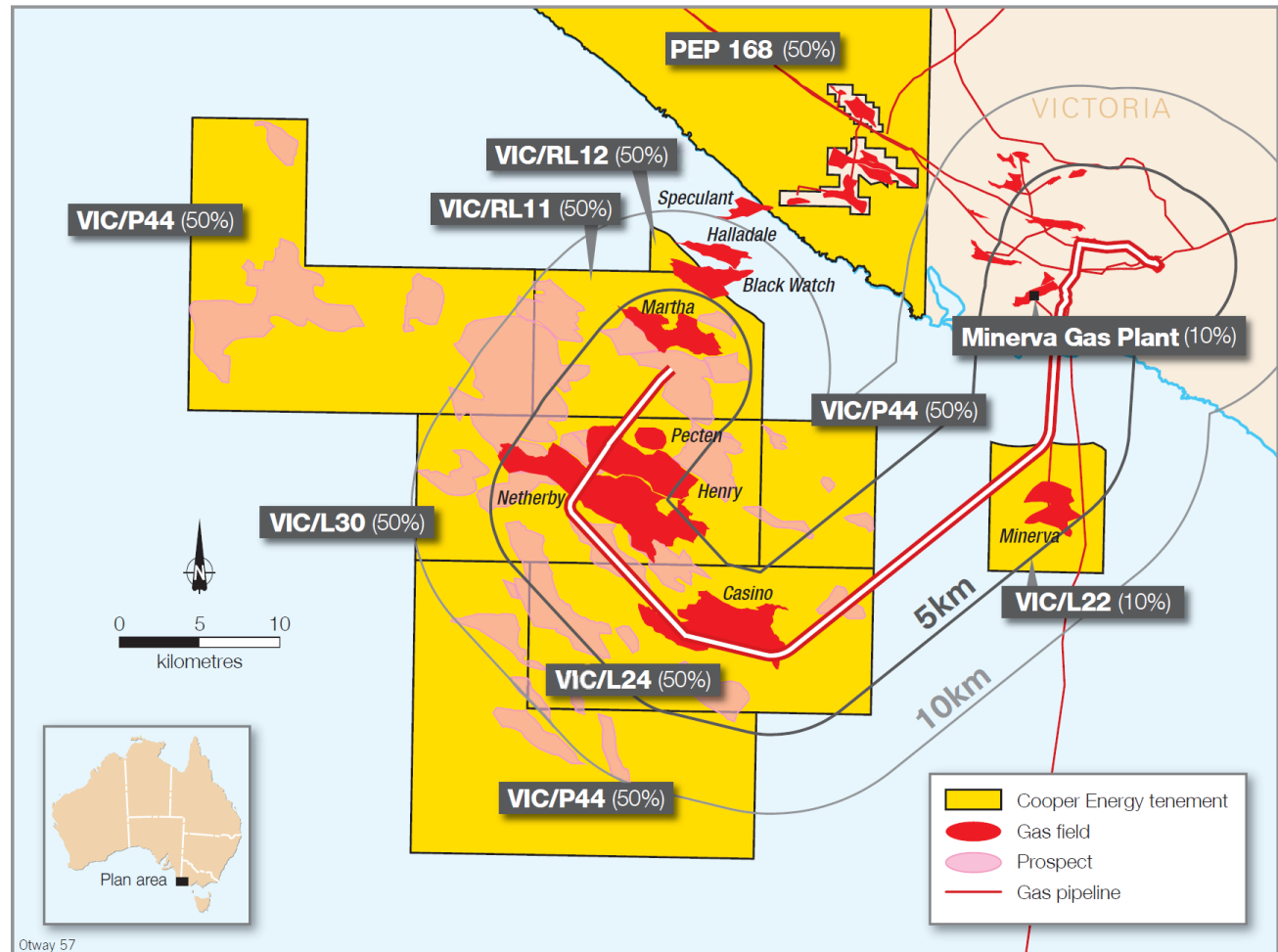
Key Assets

- Casino Henry gas project, Minerva gas field and plant (10% interest)
- VIC/P44 exploration permit (50% interest & Operator)

Offshore Otway Basin prospectivity

Attractive low risk portfolio located adjacent to infrastructure and market

- 33 prospects identified in VIC/P44, VIC/RL11, VIC/RL12, VIC/L24 and VIC/L30
- 21 prospects within 5km of existing Casino-Henry-Netherby pipeline
- 29 prospects within 10km of existing Casino-Henry-Netherby pipeline
- 9 prospects are considered low risk: > 45% chance of technical success



Gippsland Basin

Cost competitive resource, existing plant and Sole production planned for FY19

Sole Gas Project

- Gas contracts secured
- Sale of Orbest Gas Plant to APA Group announced
- Sole gas project approved to proceed, FID announced 29 August 2017

Manta

- Secured provision for processing at Orbest Gas Plant under agreement with APA
- Detailed planning to commence
- Economics enhanced by cost discovery from Sole FEED and gas price and demand expectations

Reserves & resources¹

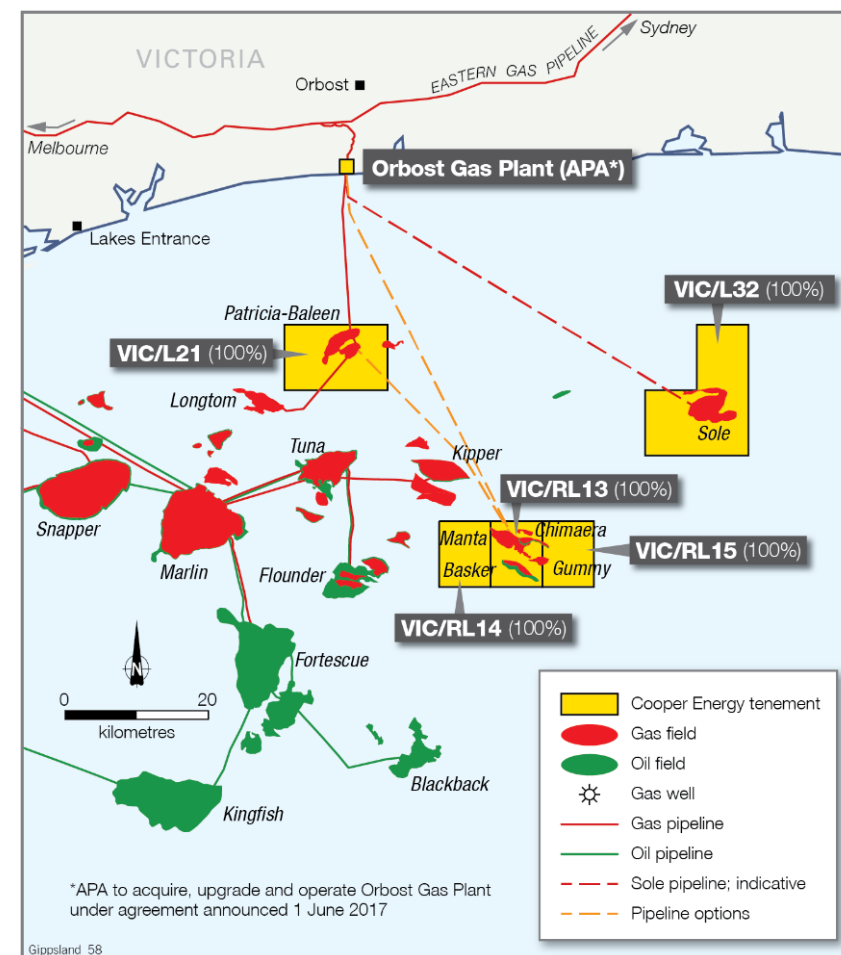
	Sole 2P Reserves	Manta 2C Resource
Sales gas PJ	249	106
Condensate MMbbl	-	3.2

¹ Reserves and Contingent Resources at 25 August 2017 were announced to the ASX on 29 August 2017. The resources information displayed should be read in conjunction with the information provided on the calculation of Reserves and Contingent Resources provided in the appendices to this document.

² Announced 1 June 2017

Key Assets: (all 100% equity & Operator)

- Sole gas project (VIC/L32)
- Manta gas resource (VIC/RL13, 14, 15)
- Patricia Baleen gas field & associated infrastructure (VIC/L21)



Sole gas project

New supply for south-east Australia with blue chip customers & uncontracted gas

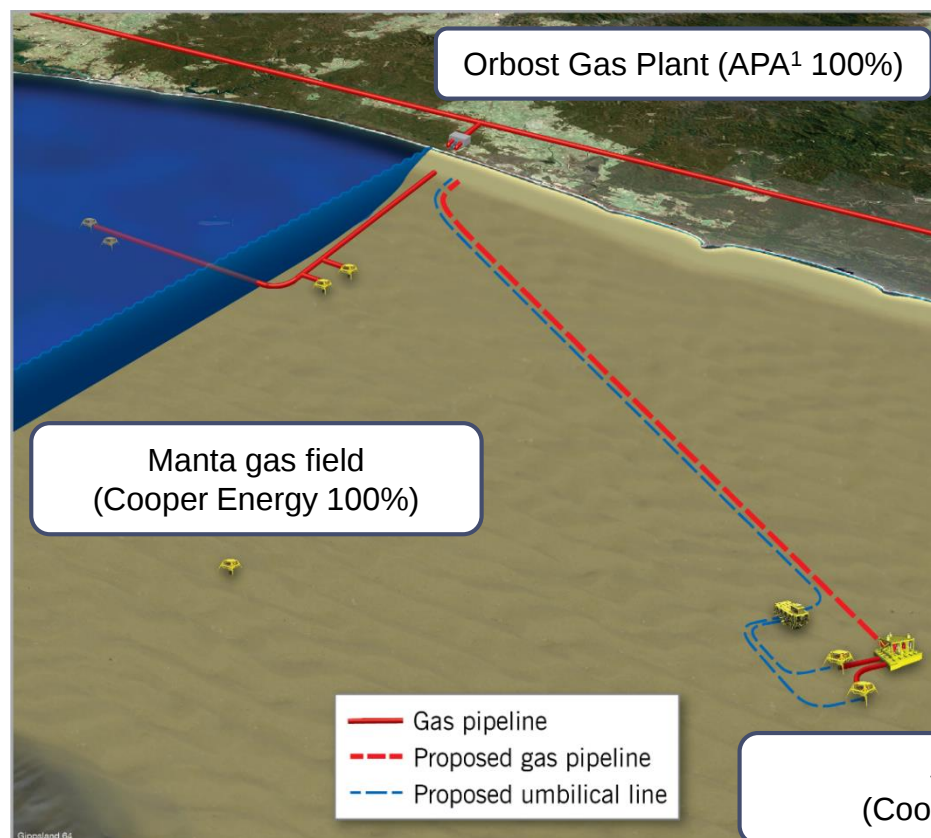
Midstream:



Agreement executed 1/6/2017

APA to:

- undertake \$250 million plant upgrade to process Sole gas
- operate Orbost Gas Plant to process Sole gas under agreed tariff for supply to Cooper Energy customers
- provision for Manta and other gas



Upstream:



- 249 PJ² 2P gas
- Ready to proceed: March '17
- Sole gas into plant: March '19
- \$355 million capex and c 60% lump sum contract
- Supply: ~24 PJ pa

Enabling customers



EnergyAustralia



alintaenergy



¹ APA Agreement subject to conditions precedent as announced 1 June 2017.

² Reserves and Contingent Resources at 25 August 2017 were announced to the ASX on 29 August 2017. The resources information displayed should be read in conjunction with the information provided on the calculation of Reserves and Contingent Resources provided in the appendices to this document.

Sole gas project: the field

Simple, well-defined structure with good reservoir quality

Shallow depth

- Reservoir at shallow depths below the sea floor - mapped depth to top of gas column is 745 m subsea, maximum gas column height is 71.5 m

Well defined, simple structure

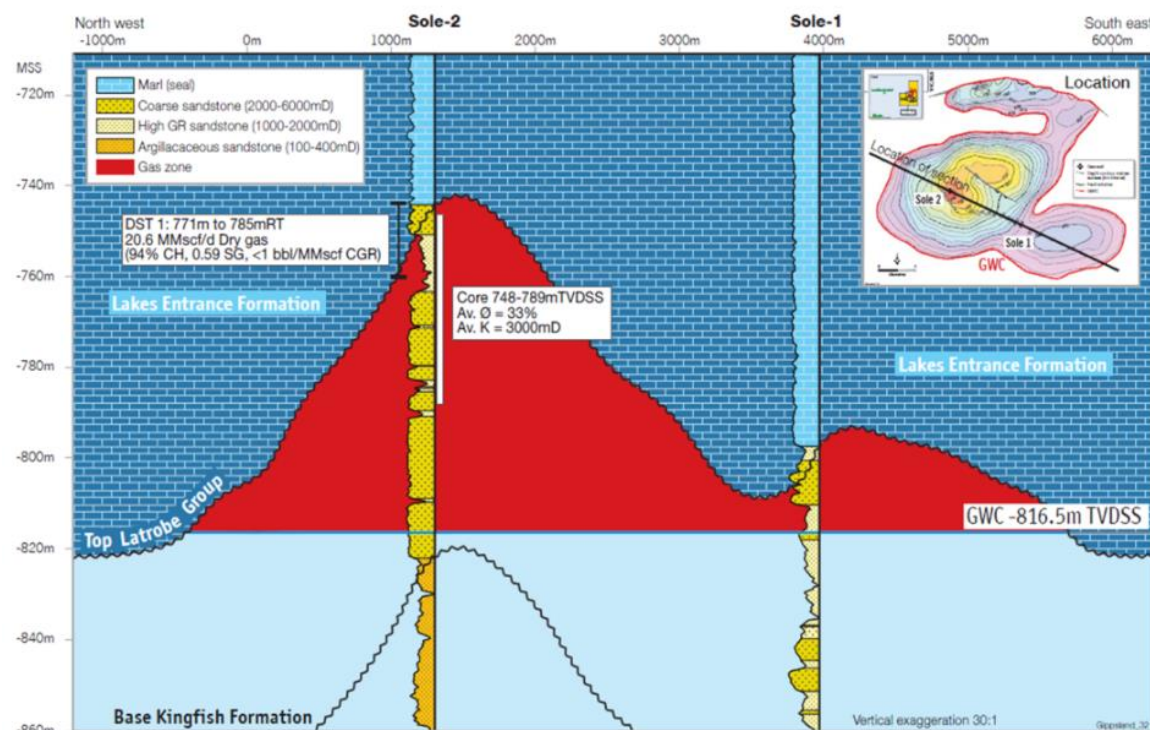
- Reservoir well defined – high structural confidence as direct hydrocarbon indicator coincides with the gas-water-contact (GWC)
- Field simple four way dip closed structure with excellent seismic definition

Excellent porosity and permeability

- Average porosity greater than 30%
- Permeability greater than 1 darcy

Composition

- H₂S (but no CO₂) removal required - gas contains 1% CO₂, 0.15% (1500 ppm) H₂S and less than 1bbl condensate / MMcf
- H₂S to be removed in plant with proven Thiopaq biological process in operation in the USA



Discovery & appraisal

- Sole-1 drilled by Shell in 1973 on the flank of the field intersected 16 m of net gas pay in the Palaeocene Kingfish Formation
- Sole-2 drilled by OMV in 2002 near the crest of the structure intersected 68 m net gas pay. Production test flowed gas to surface at 20.6 MMcf/d

Sole gas project: current and completed work

Within plan and budget; at end August 17% work completed (Sole & Gas Plant), offshore 21% completed

Onshore

- ✓ Bulk earthworks completed
- ✓ Site handover from Santos
- APA handover in progress



Horizontal directional drill (HDD) of shore crossing

Pipeline

- ✓ Welding of shore crossing pipeline
- ✓ Manufacture of 65 km pipe completed
- ✓ Umbilical HDD completed



Welded shore crossing pipe, laid out to plant ready to be pushed through HDD

Wells

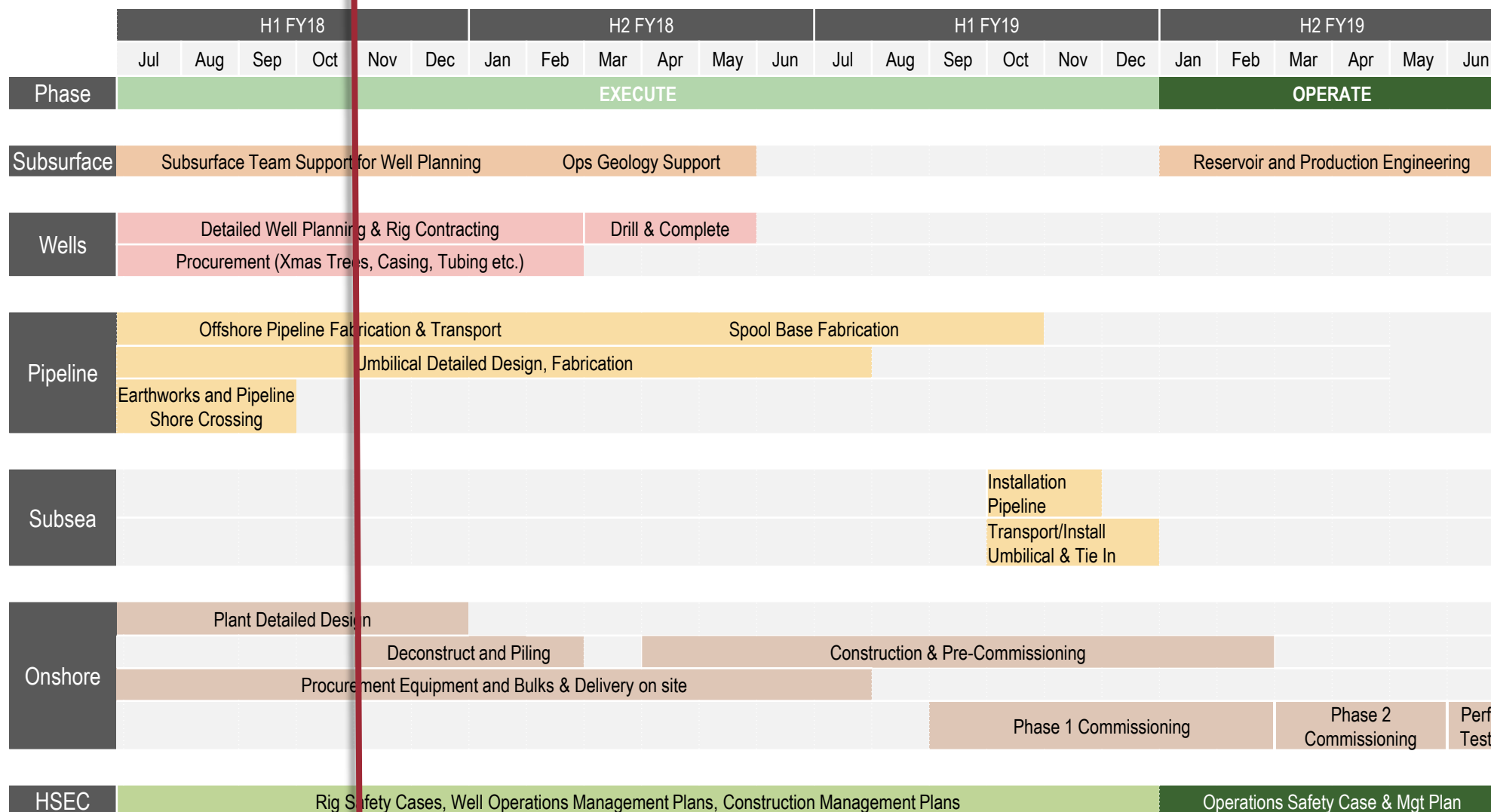
- ✓ Rig contracted: Ocean Monarch
- ✓ Major drilling contracts awarded: vessels, completion equipment and services, well test and shore base.
- ✓ Subsea trees manufacture on plan. Tree 1 delivery Dec 2017, tree 2 Jan 2018



Diamond Offshore Monarch; contracted for drilling

Sole gas project schedule

On track for first gas to plant in March 2019



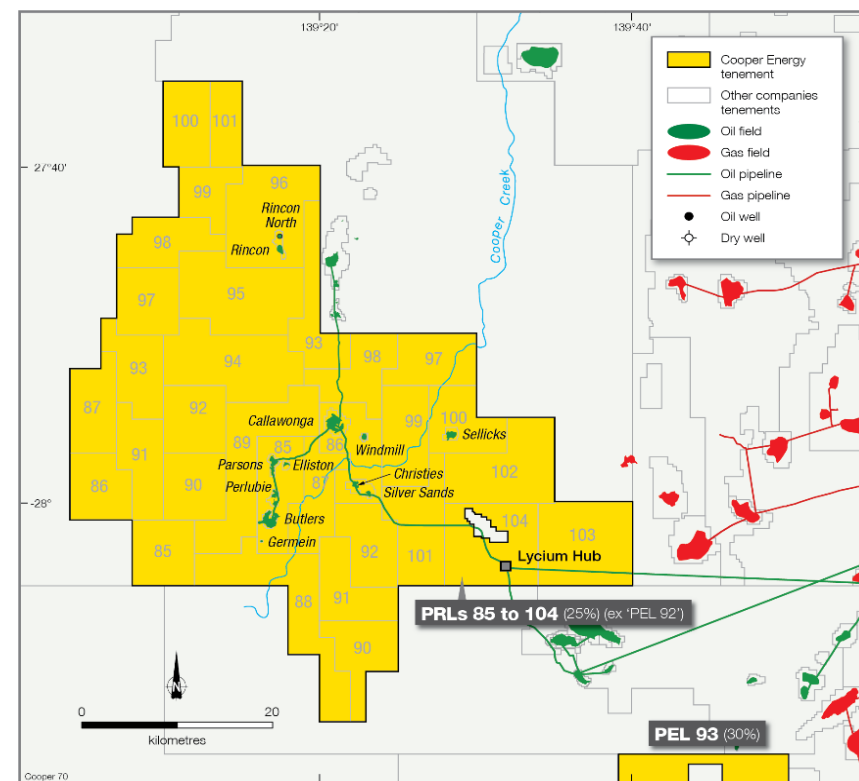
Cooper Basin

Low cost production, drilling success contributes to 40% increase in year end 2P reserves

Key figures	FY17	FY16
Production crude oil Kbbbl	0.25	0.32
2P Reserves¹ MMbbl oil		
Developed	1.1	1.0
Undeveloped	0.6	0.3
Total	1.8	1.3

All numbers rounded and as a result some totals may not equate addition of numbers displayed

- Production movement reflects suspension of drilling in FY16
- Facilities upgrade at Callawonga
- 2P Reserve replacement ratio 260% following successful drilling campaign
 - 6 of 9 wells successful
 - Successful wells: Callawonga 12-18
 - Callawonga development drilling campaign added reserves and identified potential



FY18 guidance

- **Production guidance** : 1.4 MMboe
- **Drilling:**
 - Cooper Basin: 3 wells & completion of 5 wells
 - Gippsland: 2 wells (Sole):
- **Operating costs per barrel:**
 - in line with previous guidance (A\$31/bbl)
- **G&A costs**
 - ~ \$13 million (or approximately \$11 million excluding share based payments) anticipated;
 - includes costs of larger business structure and finalisation of funding

FY18 capital expenditure outlook

\$ million *approximate*

	FY18 Expenditure			FY18 Wells #	
	Total	Exp.	Dev.	Exp.	Dev.
Cooper Basin	6	2	4	3	-
Otway Basin	35	-	35	-	-
Gippsland Basin	222	2	220	-	2
Other¹	3	3	-		
Total	266	7	259	3	2

¹ Includes Corporate

All numbers are rounded and as a result totals shown may not equate to arithmetical addition of rounded numbers shown.

Event pipeline

Fully funded activity program to lift production and add value through contracting and project delivery and derisking



H1 FY 18	H2 FY18	H1 FY19
• Sole FID – including funding (agreed) • New Otway Basin gas contracts • Cooper Basin drilling	• Commence Casino Henry gas sales under new contracts • Casino 5 workover • Marketing of Sole uncontracted gas initiated • Drilling of Sole 3 & Sole 4 production wells • Gippsland JV options to be explored • Henry development well commitment	• Drilling of Henry development well • Sole: installation of pipeline and umbilical • Sole Phase One commissioning

Wrap –up: Cooper Energy investment highlights

Best placed mid-tier gas supplier to south-east Australia

- Large uncontracted conventional gas reserves located in south-east Australia
- Gas reserves and resources well placed and competitive to generate value in a tight gas market
- Gas prices consolidating at sustainable levels and buyers keen to secure supplies

Quality assets & counterparties

- Producing assets at low end of cost curve
- Portfolio of quality contracts and customers: AGL, EnergyAustralia, Alinta, O-I
- Quality counterparties in APA, ANZ, Natixis and Sole contractors e.g. Subsea7 and GE

3 year, 5 times growth profile locked in and funded

- Growth from 1 million boe to > 6 million boe by 2020
- Sourced from existing assets and funding, no exploration success required

Strategy & management proven in oil and gas value creation

- Prescient strategy, patiently executed to acquire prime assets and sales contract portfolio
- Cooper Energy positioned for long term value creation
- Proven capability in gas contracting and opportunity identification
- Project team that has successfully delivered other offshore projects

Appendices



Bank debt package

Element/term	Features
A\$250 million reserve based lending (RBL) facility	• Senior secured • ~ \$220 million expected to be available at financial close based on P90 capex, of which ~\$200 million would be drawn for P50 capex¹ • Potential to increase available amount as further gas contracts (and prices) are confirmed and/or reserve upgrades • 7-year tenor • Refinance flexibility • Requirement to fully amortise by maturity date
Working capital facility A\$15 million	• Senior secured • 3-year tenor with annual renewals thereafter
Financial covenants	• Liquidity reserve of \$20 million to be retained • Debt service coverage test after Sole completion • Borrowing base asset² (BBA) cashflows only applied to BBA expenditures or debt service (during construction)
Status	• ANZ and Natixis credit approvals in place to fully underwrite the facilities • Binding commitment letters and terms sheet entered into with ANZ and Natixis
Conditions Precedent	• Facility documentation • Cooper Energy equity funding (announced 29 August 2017) • Independent due diligence reports including environmental, insurance and market (underway) • Other market standard conditions

Reserves and Contingent Resources at 25 August 2017

Reserves	Unit	1P (Proved)				2P (Proved + Probable)				3P (Proved + Probable + Possible)			
		Cooper	Otway	Gippsland	Total ¹	Cooper	Otway	Gippsland	Total ¹	Cooper	Otway	Gippsland	Total ¹
Developed													
Sales Gas	PJ	0	5	0	5	0	13	0	13	0	28	0	28
Oil + Cond	MMbbl	0.6	0.00	0.0	0.6	1.1	0.01	0.0	1.1	2.0	0.02	0.0	2.0
Sub-total	MMboe ²	0.5	0.9	0.0	1.4	1.1	2.2	0.0	3.3	2.0	4.8	0.0	6.8
Undeveloped													
Sales Gas	PJ	0	34	209	243	0	43	249	292	0	62	293	355
Oil + Cond	MMbbl	0.3	0.03	0.0	0.3	0.6	0.04	0.0	0.7	0.9	0.06	0.0	1.0
Sub-total	MMboe ²	0.3	5.9	36.0	42.2	0.6	7.5	42.7	50.8	0.9	10.7	50.3	62.0
Total ¹	MMboe ²	0.8	6.8	36.0	43.6	1.7	9.7	42.7	54.1	2.9	15.6	50.3	68.8

1 Totals may not reflect arithmetic addition due to rounding. The method of aggregation is by arithmetic sum by category. As a result, the 1P estimate may be conservative and the 3P estimate may be optimistic due to the effects of arithmetic summation. The reserves exclude Cooper Energy's share of future fuel usage.

2 The conversion factor of 1 PJ = 0.172 MMboe has been used to convert from Sales Gas (PJ) to Oil Equivalent (MMboe).

Contingent Resources	1C			2C			3C		
	Gas	Oil	Total ¹	Gas	Oil	Total	Gas	Oil	Total
	PJ	MMbbl	MMboe ²	PJ	MMbbl	MMboe ²	PJ	MMbbl	MMboe ²
Gippsland	82	4.0	18.1	139	7.6	31.5	239	12.1	53.3
Otway	12	0.0	2.1	19	0.0	3.2	27	0.0	4.7
Cooper	0	0.1	0.1	0.0	0.1	0.1	0	0.2	0.2
Total¹	94	4.1	20.3	158	7.7	34.9	267	12.3	58.2

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Reserves and Contingent Resources at 25 August 2017 were announced to the ASX on 29 August 2017. The resources information displayed should be read in conjunction with the information provided on the calculation of Reserves and Contingent Resources provided in the appendices to this document.

Senior management

Managing Director David Maxwell

David Maxwell has over 30 years' experience as a senior executive with companies such as BG Group, Woodside and Santos. As Senior Vice President at QGC, a BG Group business, he led BG's entry into Australia, its alliance with and subsequent takeover of QGC. Roles at Woodside included director of gas and marketing and membership of Woodside's executive committee.

General Manager, Development Duncan Clegg

Duncan Clegg has over 35 years' experience in upstream and midstream oil and gas development, including management positions at Shell and Woodside, leading oil and gas developments including FPSO, subsea and fixed platforms developments. At Woodside Duncan held several senior executive positions including Director of the Australian Business Unit, Director of the African Business Unit and CEO of the North West Shelf Venture.

Company Secretary & Legal Counsel Alison Evans

Alison Evans is an experienced company secretary and corporate legal counsel with extensive knowledge of corporate and commercial law in the resources and energy sectors. Alison has held Company Secretary and Legal Counsel roles at a number of minerals and energy companies including Centrex Metals, GTL Energy and AGL. Ms Evans' public company experience is supported work at leading corporate law firms.

General Manager, Commercial & Business Development Eddy Glavas

Eddy Glavas has more than 18 years' experience in business development, finance, commercial, portfolio management and strategy, including 14 years in oil & gas. Prior to joining Cooper Energy, he was employed by Santos as Manager Corporate Development with responsibility for managing multi-disciplinary teams tasked with mergers, acquisitions, partnerships and divestitures.

General Manager, Projects Michael Jacobsen

Michael Jacobsen has over 25 years' experience in upstream oil and gas specialising in major capital works projects and field developments. He has worked more than 10 years with engineering and construction contractors and then progressed to managing multi discipline teams on major capital projects for E&P companies.

General Manager, Operations Iain MacDougall

Iain MacDougall has more than 28 years' experience in the upstream petroleum exploration and production sector. His experience includes senior management positions with independent operators and wide ranging international experience with Schlumberger. In Australia, Iain's previous roles include Production and Engineering Manager and then acting CEO at Stuart Petroleum prior to the takeover by Senex Energy.

Chief Financial Officer Virginia Suttell

Virginia Suttell is a chartered accountant with more than 20 years' experience, including 16 years in publicly listed entities, principally in group finance and secretarial roles in the resources and media sectors. This has included the role of Chief Financial Officer and Company Secretary for Monax Mining Limited and Marmota Energy Limited. Other previous appointments include Group Financial Controller at Austereo Group Limited.

General Manager, Exploration & Subsurface Andrew Thomas

Andrew Thomas is a successful geoscientist with over 28 years' experience in oil and gas exploration and development in companies including Geoscience Australia, Santos, Gulf Canada and Newfield Exploration. At Newfield he was SE Asia New Ventures Manager and Exploration Manager for offshore Sarawak.

Notes on calculation of Reserves and Resources

Notes on Calculation of Reserves and Contingent Resources

Cooper Energy has completed its own estimation of reserves and resources in accordance with the definitions and guidelines in the Society of Petroleum Engineers (SPE) 2007 Petroleum Resources Management System (PRMS). All reserves and contingent resources figures in this document are net to Cooper Energy.

Petroleum Reserves and Contingent Resources are prepared using deterministic and probabilistic methods based on information provided by the permit Operators Beach Energy Ltd, Senex Ltd, Santos Ltd, and BHP Billiton Petroleum (Victoria) P/L. Cooper Energy undertook the following analytical procedures to estimate the Reserves: independent interpretation of 3D seismic data; analysis of historical production data to assess accessed gas volumes and future production forecasts; review of the Operator's reservoir and production simulation models to define raw gas recovery consistent with existing processing facilities; and independent probabilistic Monte Carlo statistical calculations to establish the range of recoverable gas. The resources estimate methodologies incorporate a range of uncertainty relating to each of the key reservoir input parameters to predict the likely range of outcomes.

Project and field totals are aggregated by arithmetic summation by category. Aggregated 1P and 1C estimates may be conservative, and aggregated 3P and 3C estimates may be optimistic due to the effects of arithmetic summation. Totals may not exactly reflect arithmetic addition due to rounding.

The information contained in this report regarding the Cooper Energy reserves and contingent resources is based on, and fairly represents, information and supporting documentation reviewed by Mr Andrew Thomas who is a full-time employee of Cooper Energy Limited holding the position of General Manager Exploration & Subsurface, holds a Bachelor of Science (Hons), is a member of the American Association of Petroleum Geologists and the Society of Petroleum Engineers, is qualified in accordance with ASX listing rule 5.41, and has consented to the inclusion of this information in the form and context in which it appears.

Reserves

Under the SPE PRMS, reserves are those petroleum volumes that are anticipated to be commercially recoverable by application of development projects to known accumulations from a given date forward under defined conditions. The Otway Basin totals comprise the arithmetically aggregated project fields (Casino-Henry-Netherby and Minerva) and exclude reserves used for field fuel. The Cooper Basin totals comprise the arithmetically aggregated PEL 92 project fields and the arithmetic summation of the Worrior project reserves, and exclude reserves used for field fuel. The Gippsland Basin total comprise Sole field only, where the contingent resource assessment announced to the ASX on 27 February 2017 has been reclassified to reserves. The Gippsland Basin total is net of fuel gas.

Contingent Resources

Under the SPE PRMS, contingent resources are those petroleum volumes that are estimated, as of a given date, to be potentially recoverable from known accumulations but for which the applied projects are not considered mature enough for commercial development due to one or more contingencies.

The contingent resources assessment includes resources in the Gippsland, Otway and Cooper basins. The following material contingent resources assessments have been released to the ASX:

- Manta Field on 16 July 2015; and
- Basker and Manta fields on 18 August 2014.

Cooper Energy is not aware of any new information or data that materially affects the information provided in those releases, and all material assumptions and technical parameters underpinning the estimates provided in the releases continue to apply.

Abbreviations

\$, A\$	Australian dollars unless specified otherwise
Bbl	barrels of oil
Boe	barrel of oil equivalent
EBITDA	earnings before interest, tax, depreciation and amortisation
FEED	Front end engineering and design
kbbbls	thousand barrels
m	metres
MMbbl	million barrels of oil
MMboe	million barrels of oil equivalent
NPAT	net profit after tax
PEL 92	Joint Venture conducting operations in Western Flank Cooper Basin Petroleum Retention Licences 85 – 104 previously encompassed by the PEL 92 exploration licence
PEL 93	Joint Venture conducting operations in Cooper Basin Production Licence 207
TRCFR	Total Recordable Case Frequency Rate. Recordable cases per million hours worked
1P reserves	Proved reserves
2P reserves	Proved and Probable reserves
3P	Proved, Probable and Possible reserves
1C, 2C, 3C	high, medium and low estimates of contingent resources