

Beetaloo catalysts coming in a rush

Empire Energy Group Limited (ASX:EEG) is a gas development company, with onshore Northern Territory (NT) gas exploration and development assets. EEG has the largest tenement position in the highly prospective Greater McArthur Basin, which includes the Beetaloo Sub-basin. The company is poised to commence the last phases of activity on the path to project startup. Having successfully cased and cemented the Carpentaria-5H (C-5H) well above expectation on time and horizontal section, securing debt financing and NT environmental approvals, we await the commencement of testing post the wet season and the granting of the 'Beneficial Use of Test Gas' agreement, with the traditional owners, which formally approves commercial gas sales. We believe the period out to mid-2025 is likely to be catalyst rich with the potential to significantly derisk the pending commercial opportunity and rerate the company share price. EEG has a clear timeline to first gas and is well financed with cash and facilities of \$53.8mn. The next six months are going to be critical in data terms, delivering important test results pending across two operations, with direct and indirect implications on the rising tide analogy and securing the remaining regulatory approvals. We suggest EEG remains on-track and our confidence in the timing to first gas production continues to rise.

Business model

Empire Energy Group Limited (EEG), is an gas exploration and development company, well-funded for in-ground and construction works. As reported in the recent quarterly update, the company holds cash and facilities of ~\$53.8m as at 31-December. and on-track to first gas, we suggest around end-3Q^[1]. There are remaining operations to complete and; regulatory approvals and agreements to be finalised, most notably the 'Beneficial Use of Test Gas' deal with the traditional owners. Testing operations are scheduled for 2Q'2025 and the Northern Land Council has set an 'on country' meeting in April. The path to growth begins with the first PJ. First gas can unlock the organic opportunities within the Territory and access to eastern coast markets. Importantly, the company beneficially holds its licences at 100%.

C-5H successfully cased and cemented with testing to come

The operational success of the drilling of the Carpentaria-5H well sets the company up to deliver its proposed Carpentaria Pilot Project, clearly demonstrating that long reach horizontal completions are achievable. The well was cased to 3,310m in the lateral, 10% above plan and 10% below the proposed time line. The mildly disappointing aspect is the push back to timing to fracking operations, which are scheduled to commence and complete in 2Q'2025, after the wet season. The company maintains it should have IP30 data to hand within that period and its timing to first gas remains unchanged. It's worthwhile reminding that the C-5H well was cased with 5½" (140mm) pipe, providing a material increase in flow capacity across a longer horizontal completion than previous wells. The flow test results could deliver gas rates well in excess of the nominal commercial threshold in the success case.

We maintain our outlook and point to near-term rerating events

Our latest NAV estimate is \$0.79-1.22 with a mid-point (base case) of \$0.90/share (previously \$0.80-1.23 with a mid-point of \$0.91/share on 1,017m shares issued). The period to mid-2025 provides numerous commercial derisking events on a direct and indirect basis for EEG. Success cases should underpin a share price rerating that better reflects the reducing risk and higher value nature of the gas potential as first production approaches, in our view. We highlight that the recently agreed Midstream Infrastructure (finance) Facility terms include the issue of 50mn options on financial close, with an ex-price of 28cps, a 33% premium to the pre-announcement share price. Assuming the success case and option exercise, our NAV on a fully diluted basis would reduce to \$0.77-1.18 with a mid-point (base case) of \$0.88/share – NAV dilution is marginal.

Energy

3 February 2025

Share Details

ASX code	EEG
Share price (31-Jan)	\$0.20
Market capitalisation	\$203M
Shares on issue	1,017M
Cash (31-Dec)	~\$26M
Free float	~49.5%

Share Performance (12 months)



Upside Case

- Above expectation flow test results from the C-5H well with data to hand in 2Q25.
- Reaching FID and completing pilot project financing, particularly the Midstream infrastructure facility.
- Securing the remaining approval – Beneficial Use of Test Gas, a meeting to be held in April.

Downside Case

- Under expectation results from C-5H test and look-through results from flow testing in adjacent permits.
- Delays to securing the remaining regulatory approvals could push back the timing of first gas.
- Higher capex requirements driving expectation of further and potentially material equity capital requirements.

Board of Directors

Alex Underwood	Managing Director / CEO
Peter Cleary	Chair
Dr John Warburton	Non-Executive Director
Louis Rozman	Non-Executive Director
Karen Green	Non-Executive Director

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*Analyst holds shares

Drilling Results Above Expectations – Testing The Next Piece

Commercial production from the Beetaloo Basin is now tantalisingly close with a number of development wells across the basin, having been completed in support of proposed pilot projects and awaiting gas flow testing.

The immediate period out to mid-2025 has the potential to provide a series of materially significant re-rating outcomes and we suggest, the share price should better reflect increasingly derisked commercial opportunities in the success cases.

Specifically for EEG, we will see –

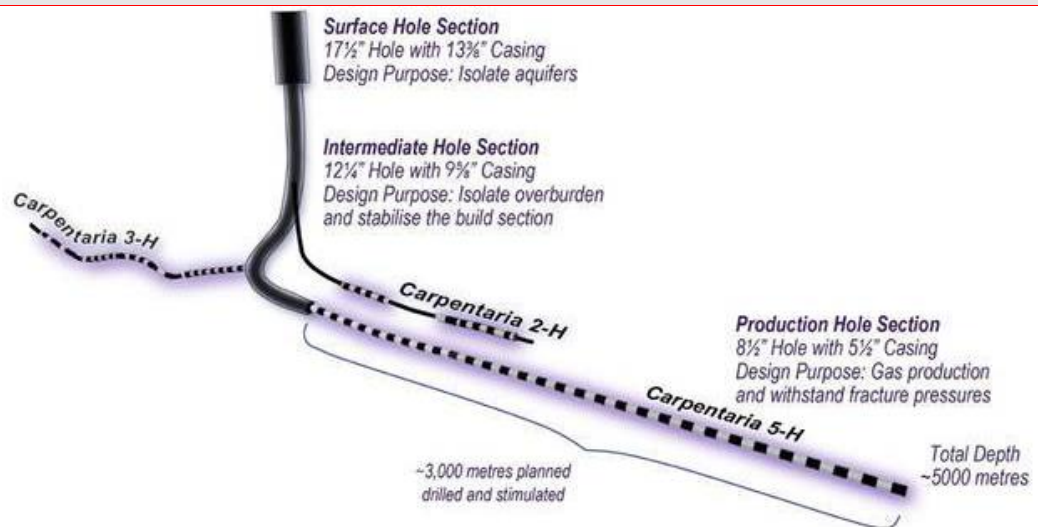
- ...the stimulation and testing of the Carpentaria-5H (C-5H) well; scheduled for 2Q (see Exhibits 1 and 2);
- ...finalisation of the remaining approval (Beneficial Use of Test Gas) with an on-country meeting set for April.

The success case should see -

- ...the (mobilisation), construction and commissioning of the gas plant and infield infrastructure, probably soon after FID around mid-year;
- ...the subsequent tie-in of the C-2H, -3H and -5H wells and finally;
- ...first production around end 3Q [RaaS estimate only].

The results from the C-5H testing will be the keystone, bringing the pilot project together, as this well has been drilled using the experiences and results garnered from the earlier C-2H and -3H wells, drilled from the same drill pad – so representing a scale up and optimised frack design as the production well template.

Exhibit 1: Pre-drill C-5H schematic relation to -2H and -3H wells



Source: Company data – C-5H cased and cemented to 5,310m with a lateral section of 3,310m

As indicated by the company, the frack operations are being finalized, noting the "...scope for over 60 stages along the horizontal section".

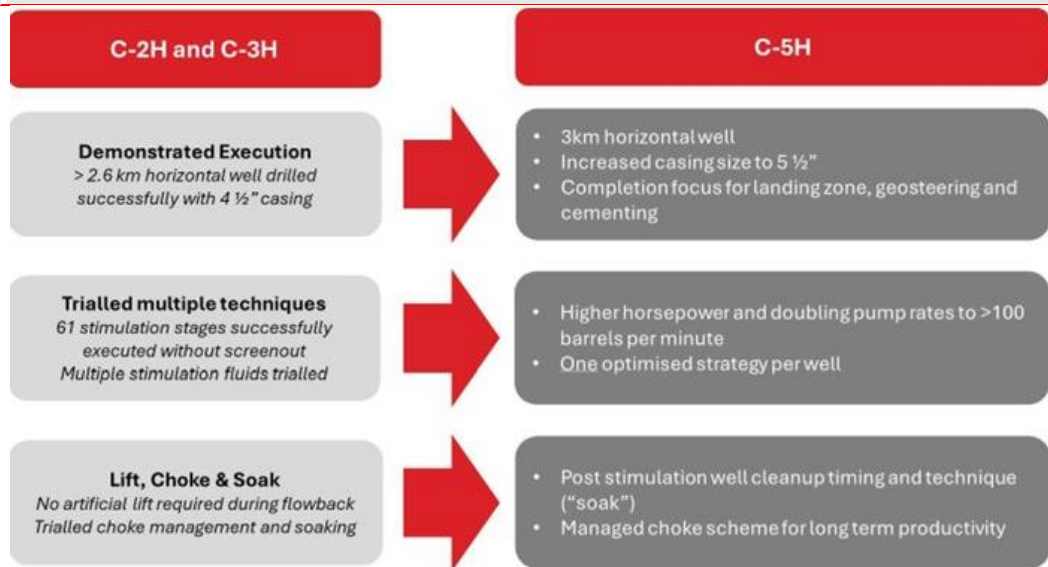
The programme will utilise "...Beetaloo specific experiences generated from operations on the prior wells", which used a number of different stimulation styles.

We believe the campaign will use a slick-water fracking medium to optimise efficiency and productivity and it is hoped the success case, will generate increased gas recovery and flow rates.

Given the increase in casing size to 5½" (140mm) from 4½" (110mm), an increase in 50% to the pipe capacity, we are confident that gas flow rates can deliver the nominal commercial threshold benchmark of 3mmcf/1,000m of hz completion, subject to a successful stimulation programme.

A larger pipe diameter also provides capacity for increased fracking horsepower – more bang for the buck.

Exhibit 2: C-2H and -3H underpin the design of the -5H development well



Source: Company data

Nothing is riskless and it's worth highlighting that across the regional Beetaloo play there are only a limited number of modern wells with a number of those very much early stage, particularly in terms of stimulation and testing operations. In that respect there are no analogue producing wells to use as a template.

Given the still early-stage nature of the development phase, the optimum development design may ultimately end up being materially different from the current operations.

The results from both the Carpentaria and other testing are critical pointers to the future.

Exhibit 3: The Carpentaria Pilot Project lies adjacent to a pipeline...all it needs is gas



Source: Company data

Where the Carpentaria Pilot Project has an immediate capital and timing advantage is in its proximity to the McArthur River Gas Pipeline.

A short tie-back distance into a transmission line already connected into the NT network, provides the foundation opportunity for the gas development.

The pipeline has a nominal capacity of 25 Tjd, certainly sufficient for start-up operations.

Sales gas will be delivered to the Power and Water Corporation (buyer) on an ex-field take-or-pay basis at "market-competitive gas prices", with a full CPI price escalator.

A 'T-piece' connection is already in place at the project location^[3].

Quarterly highlights for period ending 31-Dec...a lot of the heavy lifting is complete

The critical activity for the period was the successful completion of the Carpentaria-5H well, which was delivered above expectation in terms of the horizontal completion (+10%) and time line (-10%). The focus now shifts to the flow test evaluation of the well and securing the remaining regulatory approvals.

We remain confident a final investment decision (FID) on the Carpentaria Pilot Project can be taken by 30 June with first gas around end-3Q'2025

Exhibit 4: Quarterly progress has been on the corporate side but watch out for the next six months

Exhibit 4: Quarterly progress has been on the corporate side but watch out for the next six months				
Operations				
Carpentaria-5H – results above expectation	<p>Confirmation that the Carpentaria-5H (C-5H) well has been successfully drilled to its proposed total depth (+) with a 3,310m horizontal (hz) section. This is an above expectation outcome against a pre-drill plan of 3,000m.</p> <ul style="list-style-type: none"> ■ The hz was cased and cemented entirely within the target horizon (Velkerri B Shale) ■ 5½" (140mm) casing was set to total depth. ■ The drilling operations took 41 days from spud to completion versus a pre-drill budget of 45 days. <p><i>We understand the hz section took only 8 days to drill, which is an outstanding result, we suggest.</i></p> <p><i>As the critical production well for the Carpentaria Pilot, it was particularly important to deliver a success case outcome at the first attempt. As EEG moves to later expansion phases we'd expect the cycle time per well to materially reduce, perhaps in a similar order of magnitude to that achieved by other operators in the play, but most certainly in comparison to works previously conducted by the company. In an operational sense, what works for one well/operator is very likely to work for all.</i></p> <p>The total cost of the well (ex stimulation and testing costs to come) was reported at <\$20mn with a <u>'...large portion of this cost' (alloted to) transport and logistics including mobilisation and demobilisation for one well in a remote location</u>.</p>			
Stimulation and flow testing delayed to 2Q	<p><i>Originally, well operations were planned to be continuous, however, due to the increased risks of equipment being stranded by seasonal rains, with resultant, potentially material standby costs, testing operations have been rescheduled to commence as soon as practicable post the end of the wet season. The campaign is expected to begin and complete within 2Q.</i></p> <p>This is mildly disappointing but understandable and the success case should not materially impact the timeline to first gas.</p>			
Corporate				
NT Government Environmental Approval for the pilot project was received ^[2] .	<p>The NT Government approved the Environment Management Plan for the pending pilot project, covering-</p> <ul style="list-style-type: none"> ■ ...up to 9 new wells including fracking; ■ Four new well pads; ■ Production from up to 12 wells (new and existing); and ■ Installation of the gas plant, water handling facilities and connections to the McArthur River Pipeline. 			
Financing position remains solid, particularly after the securing of a total debt finance package of \$65mn ^[A] .	<p><i>Debt financing has been secured and it doesn't surprise us that Macquarie Bank is the lender, having been the financier to date through the exploration phase and given it's financial support of the company and the play. The scope and terms of the facilities should provide investors with confidence on a number of levels –</i></p> <ul style="list-style-type: none"> ■ ...the due diligence undertaken on the commercial potential of the Carpentaria Pilot Project; ■ ...the due diligence undertaken over the potential quantum of R&D rebates available under the Federal Government R&D Incentive Scheme; and ■ for EEG, the low capex requirement to get to first gas as we have previously highlighted, particularly with respect to the gas processing plant. <p>The package consists of \$65mn over three facilities –</p> <ul style="list-style-type: none"> ■ A \$5mn Performance Bond facility...a resetting of an existing facility on a lower coupon rate; ■ A \$30mn R&D facility, upscaling of the previous \$2.25mn facility and sized at 80% of the expected future rebates available under the Federal Government scheme; ■ A \$30mn Midstream linfastructure facility, providing capital for the refurbishment, installation and connection of the Carpentaria Processing Plant (Rosalind Park plant purchased for A\$2.5mn). <p>This tranche is subject to securing the remaining regulatory approvals (Beneficial Use of Test Gas), having satisfied the first part of the operational requirements (C-5H to be completed with a minimum 2,700 hz section and at least 50 frack stages).</p>			
Period Ending	31-03-2024	30-06-2024	30-09-2024	31-12-2024
Cash (\$mn)	12.0	51.6	39.8	25.6
Debt (\$mn)	(8.8)	(6.2)	(6.2)	(6.7)
Net cash (\$mn)	3.1	45.3	33.6	19.0

Source: Company data; RaaS commentary. All currencies are Australian dollars unless specifically noted

Beetaloo gas identified as an east coast supply option

The Australian Competition and Consumer Commission (ACCC) recently released its latest Interim Report on its running inquiry into east coast gas markets^[4], highlighting that whilst the east coast markets have “...sufficient gas reserves and resources to meet current demand projections over the next decade and beyond (w)ith declining reserves from the Bass Strait, gas supply will need to come from a variety of sources, including Queensland, Northern Territory, and potentially LNG imports”.

Whilst we agree with the overall premise, we caution that a significant proportion of the gas reserves and resources as declared are Contingent Resources, which by definition is higher risk with more problematic development outcomes.

We also highlight that whilst the market is declaring new (mostly contingent) resources, new projects are not progressing sufficiently rapidly to offset accelerating decline, particularly from “*traditional supply sources*.”

It seems paradoxical that all of the (various and numerous) macro commentaries continue to make a virtue of the upside in the east coast gas market on the observation that whether it be for the energy transition or as an industrial feedstock, gas will be needed for decades to come and on supply is only going to get tighter’. Yet tangible progress across the board on new gas opportunities has been ‘glacial’.

We understand the prevailing regulatory (market pricing) and approvals uncertainty, but upstream companies, particularly in Queensland have been holding significant certified gas volumes for sometimes years and we are yet to see a rush to market. Given the nominal operating advantages intrinsic to the Queensland gas business, an existing, extensive and linked infrastructure (pipeline) network; and low risk coal seam gas opportunities based on deep historical operating experience, the lack of material progress is difficult to logically reconcile.

This accords with the observations highlighted in the ACCC release and we can only speculate as to what the underlying causes may be. In any respect there has been a reluctance from industry to ‘pre-invest’ per se in accelerating first gas.

The report also adds the caveat that “...(p)rospective gas supply sources are mostly made up of contingent 2C resources, which may be speculative, require supporting infrastructure (and) face several barriers to coming online”.

We particularly like this summary point –

“Untapped basins such as the North Bowen and Galilee basins in Queensland; and the Beetaloo Basin in the Northern Territory present strong potential for additional supply to the domestic market. However, infrastructure development and regulatory approvals are still required to ensure that these projects are connected to the east coast gas market”.

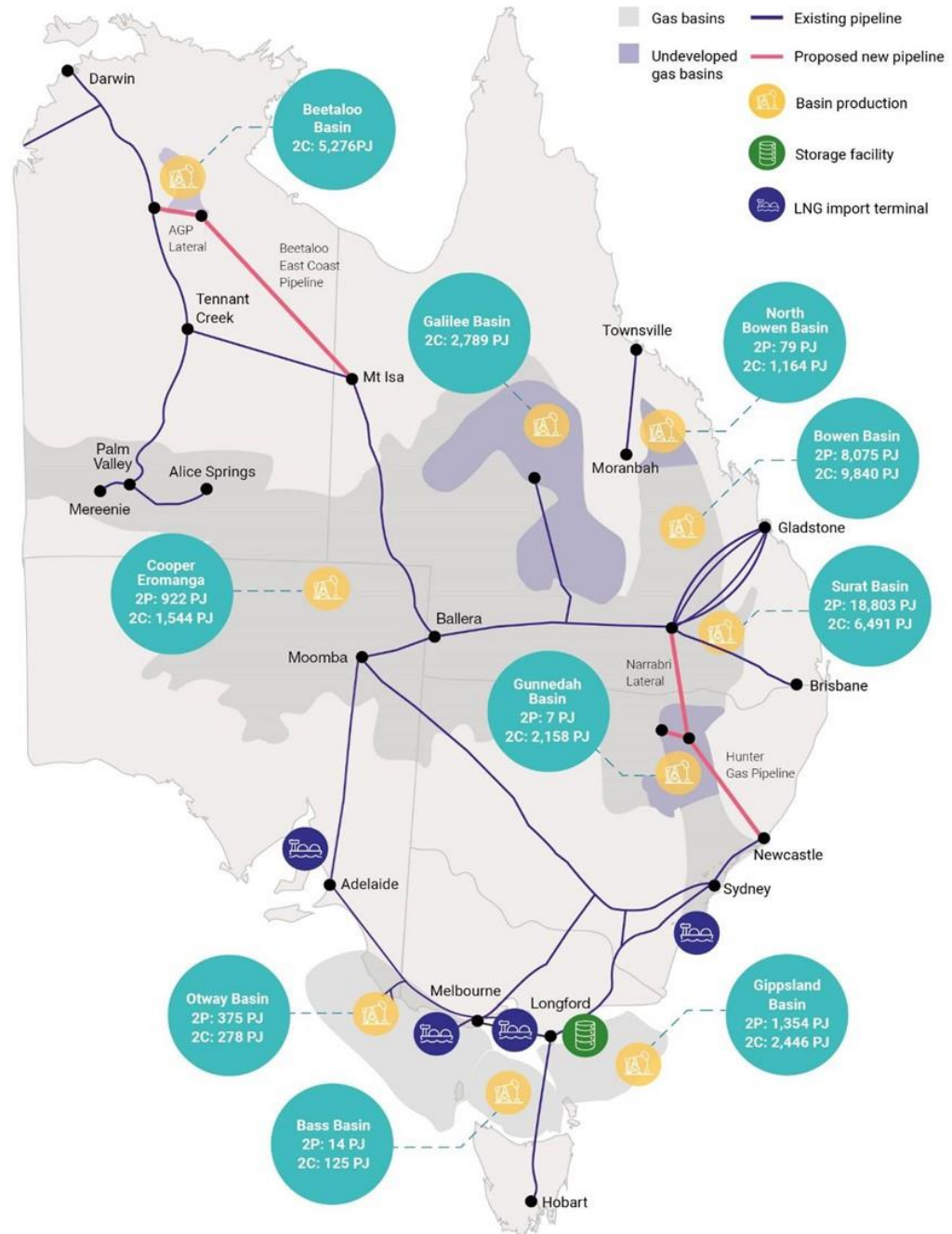
With the Narrabri Gas Project (NSW) mired in legal challenges and community opposition; and the North Bowen and Galilee basins opportunities beset by technical and logistical challenges, there is a clear window for Beetaloo gas to step ahead of the pack with potentially two projects set to commence pilot operations over the next 18 months (Empire Energy from around end-3Q2025. Gas deliveries to east coast markets at scale will require commitments to significant new pipeline connections – but let’s get to first production as a starting point.

As reported (see **Exhibit 5**) –

“The Northern Territory holds significant gas reserves, including in the Beetaloo basin, which is a major focus for new gas projects. This basin is undeveloped but has potential to provide additional gas to the east coast gas market.

Gas pipeline infrastructure projects are dependent on gas production projects coming online and linking these to the rest of the east coast gas market. The decision to proceed with infrastructure projects is contingent on final investment decisions being made by producers to bring on new supply sources, to which the pipelines would connect”

Exhibit 5: The lay of the land – connecting the Beetaloo is not likely to be that difficult



Source: ACCC Gas Inquiry Interim Report – Dec 2024

Anecdotally we also highlight from the recent Santos Limited (STX.ASX) Investor Day presentation^[5], commentary that its Beetaloo operations are being considered as “...(p)otential backfill opportunity from mid-2030” for its east coast gas operations [Slides 51 and 59].

To achieve backfill operations as projected assumes Beetaloo production reaches 500 TJd (~182 PJ pa or ~3.5 Mt pa LNG)

We note that in the STO operated permit (EP161 – STO 75%), the company currently ascribes ~1.4 Tcf (gross) at 2C from two wells.

EP 161 has been dormant from an operational perspective since end-2021 with plans to potential drill further wells commencing in 2026.

Our Valuation Is Marginally Lower On Net Cash Adjustments

On updated 31-December financials we have made a minor adjustment to our valuation which remains at a substantial premium to the reference share price (\$0.20 close of trading, 31-Jan). Successful gas flow evaluation results, regulatory signoff and FID by mid-2025 should provide a number of rerating points on which the share price should better reflects the crystallising value of the gas reserves, we suggest.

Exhibit 6: The NAV range continues to represent a material premium to the market price

	Risky range (A\$m)			
	Low	Mid	High	
Northern Territory				
EP-187				
Contingent Resources	\$743	\$795	\$996	EP-187 contains 2C volumes certified to 1,739PJ of which 1,364 PJ are attributed to the Carpentaria area. 2U volumes are largely associated with ex EP 187 and ex-Pangaea tenements and represent longer-dated gas potential. The geological confidence level is relatively high on the look-through, but realisation will require extensive drilling campaigns.
Prospective Resources	\$43	\$107	\$229	
	\$786	\$902	\$1,225	
Net cash/(debt)		\$25		Reported as at 31-Dec
Corporate		(\$6)		
TOTAL	\$799	\$914	\$1,237	
Shares issued (m)	1,017	\$0.79	\$0.90	\$1.22
Shares issued (m) – fully diluted	1,067	\$0.77	\$0.88	\$1.18 Macquarie (\$0.28) options yet to be issued

Source: RaaS analysis; Risked ranges based on discretionary RaaS risk adjustments

Our NAV was previously set at \$0.80 Low, \$0.91 Mid and \$1.23 High on 1,017m shares issued.

Our valuation is set against a risk-weighted gas production success case, assigning a unit NPV based on long-term price assumptions over a 2P equivalent reserve base and applying a conversion ratio on 'C' gas to 2P. We apply our methodology over only that gas attributed to EP-187, being the critical development asset.

The assumptions applied are discretionary and represent our consideration of the risk factors associated with commodity prices, the timing of commercialisation of long-dated gas and future capital costs. The assumptions and weightings are subject to potentially material change depending on future operational results and actual received gas prices.

On the success case, we are confident that the pilot project will generate strong net cash margins, noting that net operating cash will need to fund the remaining well capex and corporate costs.

We view the start-up phase as the pointer towards the economic potential of the gas play on scale-up – gas reserves are not likely to be the limiting factor to transformational growth.

References, Data Sources and Glossary

Note Reference	Document Ref	RaaS Reports	Date Published	Title
	[A]	EEG Empire Energy Group RaaS Update Report	05-12-2024	<i>Debt funding in place – full speed (drilling) ahead</i>
Data referenced in this Report				
[1]		Empire Energy ASX release	28-01-2025	Q4 2024 Quarterly Report
[2]		Empire Energy ASX release	15-11-2024	Carpentaria Pilot project Environmental Approvals Received
[3]		Empire Energy ASX release	26-07-2024	Empire signs Gas Sales Agreement with the NT Government
[4]		ACCC	10-01-2025	Gas inquiry December 2024 interim report ACCC
[5]		Santos ASX release	19-11-2024	https://www.santos.com/wp-content/uploads/2024/11/Santos-Investor-Day-2024.pdf

All financial data in Australian currency unless otherwise specifically stated

FEED	Front End Engineering and Design	kb (d)	thousand barrels (per day)
FID	Final Investment Decision	Mb	million barrels
GSA	Gas Sales Agreement	Bb	billion barrels
PEL	Petroleum Exploration Licence	mcf (d)	thousand cubic feet (per day)
PEP	Petroleum Exploration Permit	mmcf (d)	million cubic feet (per day)
EP	Exploration Permit	Bcf	million cubic feet
LNG	Liquified Natural Gas	Tcf	trillion cubic feet
		gj	gigajoules (mcf equivalent)
		TJ	terajoules (mmcf equivalent)
		PJ	petajoules (Bcf equivalent)
		boe	barrel of oil equivalent
		mmBtu	million British thermal units (TJ equivalent)

Conversion factors – note conversion factors may vary from company to company and project to project

Gas	cubic feet to joules	=	1.06	1 Bcf	=	1.06 PJ
	joules to boe	=	0.163	1 PJ	=	0.163 Mboe
	mmBtu to joules	=	0.952	1 mmBtu	=	0.952 TJ
Oil				1 b	=	1 boe
Condensate				1 b	=	0.935 boe

Reserves and resources classification

1,2,3 P	Proven, probable and possible reserves certified as being likely to be in production within five years. 1P = 90% confidence limit; 2P = 50% confidence limit; 3P = 10% confidence limit
1,2,3 C	Contingent resources. As above but nominally higher risk in terms of commerciality; 1= Low, 2 = Best, 3 = High
1,2,3 U	Potential Resources. Largely undefined by drilling and testing. Classification; 1 = Low, 2 = Best, 3 = High
ACCC	Australian Competition and Consumer Commission
AEMO	Australian Energy Market Operator
ADGSM	Australian Domestic Gas Security mechanism
CCS	Carbon capture and storage
CH ₄	Methane (natural gas)
CO ₂	Carbon dioxide
CO ₂ -e	Carbon dioxide equivalent
EUR	Estimated Ultimate Recovery
NOPSEMA	National Offshore Petroleum Safety and Environmental Management Authority

Exhibit 7: Financial Summary

EMPIRE ENERGY GROUP LTD		EEG	
YEAR END		Dec	
NAV	A\$mn	\$0.90	
SHARE PRICE	A\$cps	\$0.200	close of trading 3-Feb
MARKET CAP	A\$mn	203	
ORDINARY SHARES	M	1,017	
OPTIONS	M	79	

COMMODITY ASSUMPTIONS		2022	2023	2024E	2025E
Realised oil price	US\$/b	94.25	77.64	80.88	75.17
Realised gas price	US\$/mcf	6.42	2.58	2.07	3.49
Exchange Rate	A\$:US\$	0.6946	0.6657	0.6549	0.6570

RATIO ANALYSIS		2022	2023	2024E	2025E
Shares Outstanding	M	773	773	1017	1017
EPS (pre sig items)	US\$cps	(0.86)	(2.86)	(1.45)	(1.55)
EPS	A\$cps	(0.86)	(2.86)	(1.45)	(1.55)
PER	x	na	na	na	na
QCFPS	A\$cps	9.50	(4.80)	(5.01)	(19.20)
CFR	x	na	na	na	na
DPS	A\$cps	na	na	na	na
Dividend Yield	%				
BVPS	A\$cps	24.9	21.8	21.4	19.1
Price/Book	x	0.8x	0.9x	0.9x	1.0x
ROE	%	na	na	na	na
ROA	%	na	na	na	na
(Trailing) Debt/Cash	x				
Interest Cover	x				
Gross Profit/share	A\$cps	10.0	0.2	(4.8)	-6.1
EBITDAX	A\$M	6.8	(12.5)	(5.1)	0.0
EBITDAX Ratio	%				

EARNINGS	A\$000s	2022	2023	2024E	2025E
Revenue		13,722	6,086	1,131	0
Cost of sales		(5,961)	(5,892)	(6,000)	(6,250)
Gross Profit		7,762	193	(4,869)	(6,250)
Other revenue					
Other income		259	576	50	0
Exploration written off					
Finance costs		(2,259)	(3,636)	(1,581)	(1,000)
Impairment		(2,705)	0	0	0
Other expenses		(13,526)	(12,538)	(5,148)	(6,027)
Profit before tax		(5,765)	(21,831)	(14,547)	(15,625)
Taxes		(239)	(251)	(167)	(180)
NPAT Reported		(6,003)	(22,082)	(14,714)	(15,805)
Underlying Adjustments		0	0	0	0
NPAT Underlying		(6,003)	(22,082)	(14,714)	(15,805)

CASHFLOW	A\$000s	2022	2023	2024E	2025E
Operational Cash Flow		(9,305)	(23,624)	2,415	0
Net Interest		(679)	(1,631)	175	400
Taxes Paid		(239)	(251)	(250)	(250)
Other					
Net Operating Cashflow		5,100	(2,472)	(3,335)	(12,832)
Exploration		(37,356)	(7,025)	0	0
PP&E		0	(137)	(2,500)	(500)
Petroleum Assets		0	0	(20,000)	0
Net Asset Sales/other		0	404	16,661	0
Net Investing Cashflow		(37,586)	(6,758)	(3,560)	(500)
Dividends Paid					
Net Debt Drawdown		(1,035)	674	(7,061)	
Equity Issues/(Buyback)		29,412	0	37,050	
Other					
Net Financing Cashflow		28,377	674	27,349	0
Net Change in Cash		(4,109)	(8,556)	20,454	(13,332)

BALANCE SHEET	A\$000s	2022	2,023	2024E	2025E
Cash & Equivalents		21,880	13,627	34,080	20,748
O&G Properties		36,612	38,206	58,206	58,206
PPE + ROU Assets		1,608	1,540	1,500	1,000
Total Assets		197,650	171,503	205,951	191,624
Debt		7,823	8,771	7,061	5,389
Total Liabilities		64,043	59,199	63,444	63,904
Total Net Assets/Equity		133,608	112,303	142,508	127,720
Net Cash/(Debt)		14,057	4,855	27,020	15,359
Gearing dn/(dn+e)					

nm = not meaningful
na = not applicable

NET PRODUCTION		2022	2023	2024E	2025E
Crude Oil	kb	2	3	1	
Nat Gas	mmcf	1,727	1,372	303	0
TOTAL	kboe	290	231	220	0

	A\$mn	2022	2023	2024E
Product Revenue		13.7	6.1	1.1
Cash Costs		(6.0)	(5.9)	(6.0)
Ave Price Realised	A\$/boe	47.32	26.30	5.15
Cash Costs	A\$/boe	(20.55)	(25.46)	(27.31)
Cash Margin		26.76	0.83	(22.16)

RESOURCES and RESERVES	Contingent Resources			Prospective Resources		
	1C	2C	3C	1U	2U	3U
Northern Territory						
EP 187						
Carpentaria				566	1,282	2,284
East Carpentaria				1,020	1,878	3,782
South Carpentaria				204	383	668
TOTAL PJ				1,790	3,543	6,734
Carpentaria						
Velkerri C	113	666	846			
Velkerri B	120	678	844			
Intra Velkerri A/B		8	16			
Velkerri A/B		12	24			
TOTAL PJ	233	1,364	1,730			
Carpentaria East						
Velkerri C	35	185	871			
Velkerri B	36	190	906			
Intra Velkerri A/B						
Velkerri A/B						
TOTAL PJ	71	375	1,777			
Aggregate PJ	304	1,739	3,507			
US Onshore						
Gas (bcf)	28	38	42			

EQUITY VALUATION	Risked Range			Low	Mid	High
	Low	Mid	High	A\$/share		
Northern Territory						
EP-187						
Scenario Weighting	743	795	996	\$0.73	\$0.78	\$0.98
Prospective Resources	43	107	229	\$0.04	\$0.10	\$0.22
US Onshore						
Appalachian	0	0	0	\$0.00	\$0.00	\$0.00
TOTAL	786	902	1,225	\$0.77	\$0.89	\$1.20
Net cash/(debt)		25				
Corporate costs		(6)				
TOTAL	805	920	1,243	\$0.79	\$0.90	\$1.22
Shares on issue (mn)	1,017 mn					
Shares on issue (mn)	1,067 mn (fully diluted)			\$0.77	\$0.88	\$1.18

Source: RaaS Research Group, company data

FINANCIAL SERVICES GUIDE

RaaS Research Group Pty Ltd

ABN 99 614 783 363

Corporate Authorised Representative, number 1248415, of

BR SECURITIES AUSTRALIA PTY LTD; ABN 92 168 734 530; AFSL 456663

Effective Date: 26th March 2024

About Us

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This Financial Service Guide (FSG) is designed to assist you in deciding whether to use RaaS's services and includes such things as who we are, our services, how we transact with you, how we are paid, and complaint processes

Contact Details, BR and RaaS

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RaaS is the entity providing the authorised AFSL services to you as a retail or wholesale client.

What Financial Services are we authorised to provide? RaaS is authorised to

- provide general advice to retail and wholesale clients in relation to
 - Securities

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If you have a complaint about our service, you should contact your representative and tell them about your complaint. The representative will follow BR's internal dispute resolution policy, which includes sending you a copy of the policy when required to. If you aren't satisfied with an outcome, you may contact AFCA, see below.

BR is a member of the Australian Financial Complaints Authority (AFCA). AFCA provide fair and independent financial services complaint resolution that is free to consumers.

Website: www.afca.org.au; Email: info@afca.org.au; Telephone: 1800931678 (free call)

In writing to: Australian Financial Complaints Authority, GPO Box 3, Melbourne, VIC, 3001.

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BR has in place Professional Indemnity Insurance which satisfies the requirements for compensation under s912B of the Corporations Act and that covers our authorized representatives.

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