

# 2015 Investor Briefing - Strategy Day



21 May 2015 | Melbourne



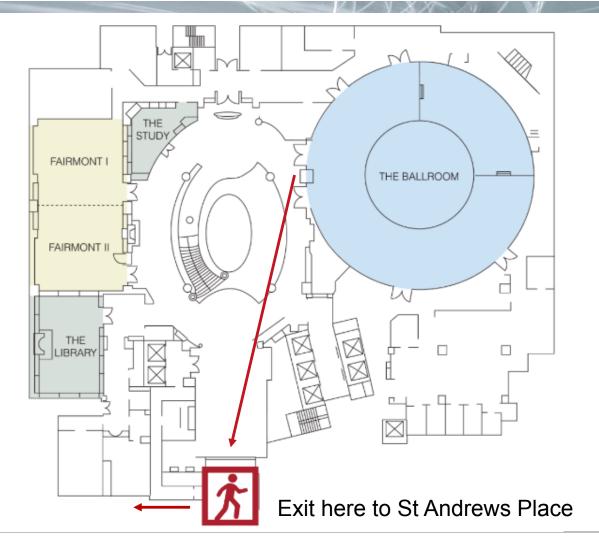
This presentation contains forward looking statements that are subject to risk factors associated with oil and gas businesses. It is believed that the expectations reflected in these statements are reasonable as at the date of this presentation but they may be affected by a variety of variables and changes in underlying assumptions which could cause actual results or trends to differ materially, including but not limited to: price fluctuations, actual demand, currency fluctuations, drilling and production results, reserve estimates, loss of market, industry competition, environmental risks, physical risks, legislative, fiscal and regulatory developments, economic and financial market conditions in various countries and regions, political risks, project delay or advancement, approvals and cost estimates. Readers are cautioned not to place undue reliance on these forward looking statements. No representation is made or will be made that any forward looking statements will be achieved or will prove to be correct. We do not undertake to update or revise any forward looking statement, whether as a result of new information, future events or otherwise.

All references to dollars, cents or \$ in this presentation are to US currency, unless otherwise stated.

References to "Woodside" may be references to Woodside Petroleum Ltd. or its applicable subsidiaries.

# Housekeeping – Park Hyatt floor plan – Evacuation procedure

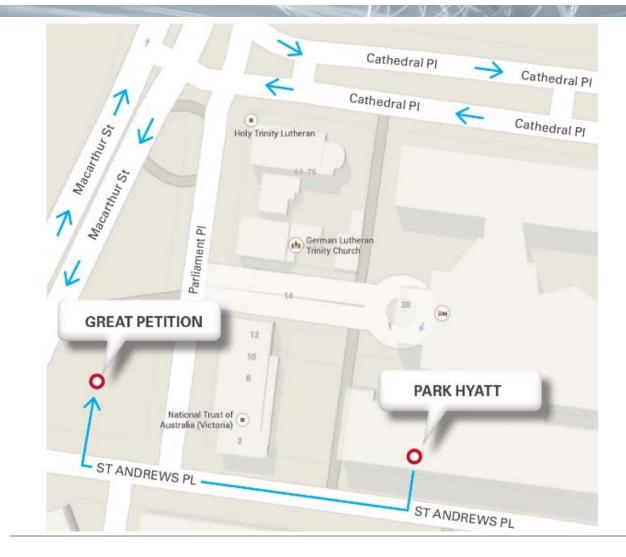




- Alert: Beep Beep
- Evacuate: Whoop Whoop



## Housekeeping – Assembly point



- Exit onto St Andrews Place
- Turn right after Parliament Place
- Muster point is near the Great Petition statue

# Schedule



Start	Торіс	Presenter
Session 1		
8:30	Introduction	Craig Ashton
8:35	CEO overview	Peter Coleman
8:50	Financial Management	Lawrie Tremaine / Hendrik Snyman
9:10	Exploration	Phil Loader
9:30	Development	Robert Edwardes
9:45	Operations	Mike Utsler
10:05	Q&A session 1	Peter Coleman
10:35 Morning tea		
Session 2		
11:00	People and Capability	David McLoughlin
11:10	Marketing and Trading	Reinhardt Matisons
11:40	Q&A session 2	Peter Coleman
12:20	Lunch	

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# **CEO** overview

Peter Coleman | Chief Executive Officer and Managing Director



# Strategy



### Our strategy is built on three related themes, is effective and unchanged

Maximise core business

# Leverage our capabilities

Extending life of producing assets

Maximising operational effectiveness; continuous improvement culture

- Developing contingent resources
- LNG: full value chain

- Deep-water: drilling, FPSO's, subsea technology
- Asia: market, relationships

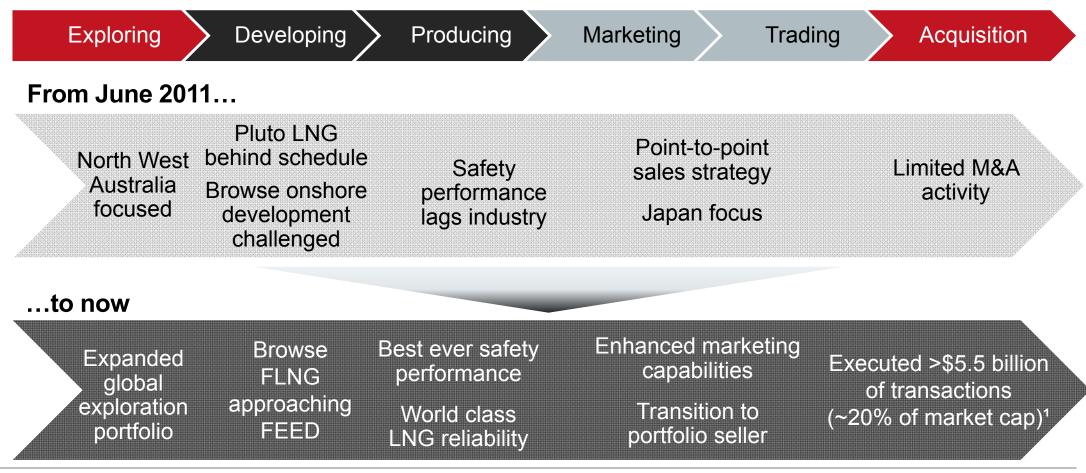
# Grow our portfolio

- Fill opportunity portfolio to provide:
  - Diversity and ability to optimise
  - Value chain opportunities
- Aggregate positions around existing focus areas:
  - Rebalancing exploration portfolio
  - Acquisition of high quality assets in low oil price environment

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# Journey so far ....

### Our strategy is transforming the business



1. Sold down Browse equity; exited Gulf of Mexico, exited Mutineer Exeter, purchased Wheatstone, Balnaves and Kitimat interests.

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### Triggers for near-term value growth

Grow our	
portfolio	

- Browse FEED<sup>1</sup> entry expected mid 2015
- Wheatstone targeting first gas in late 2016<sup>2</sup>
- Kitimat: appraisal of upstream cost reductions targeted
- Greater Enfield: accelerating FEED to capture market conditions
- Exploration: drilling high impact potential prospects in next 18 months
- Acquisitions, capitalising on low price environment

Low price environment provides opportunity for entry into value adding opportunities

1. FEED = front-end engineering and design

#### 2. Source: Chevron. As at April 2015

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### Strong financial position

- Credit ratings reaffirmed, stable outlook
- Target dividend pay out ratio unchanged
- Refinanced balance sheet at improved terms in low oil price environment
- Continued focus on growth, and maintaining returns

### Future focus

- Aggregating opportunities in existing focus areas
- Providing strong yield with growth optionality
  - De-risked future growth through Wheatstone acquisition
  - Added upside with Kitimat purchase
  - Organic growth through Browse and Greater Enfield
  - Additional upside through exploration, acquisition, marketing and trading



# **Financial management**

Lawrie Tremaine | Chief Financial Officer





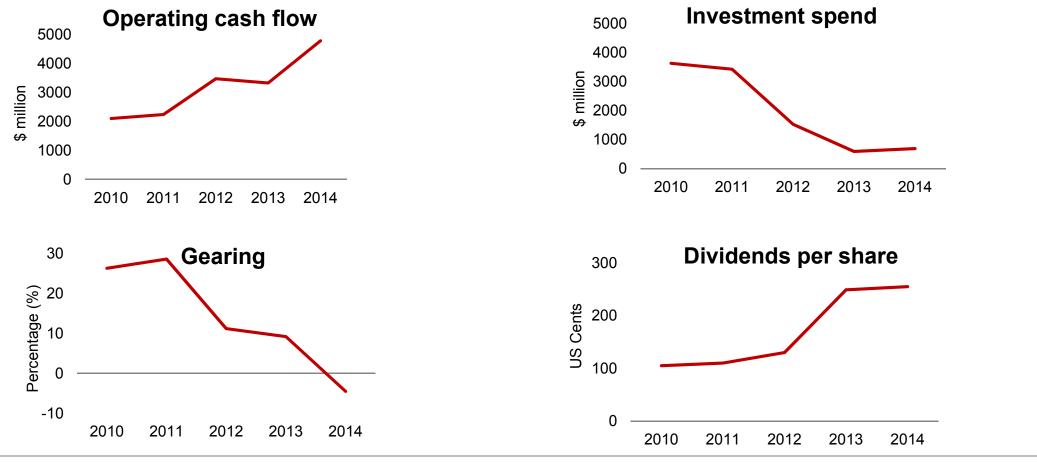
<ul> <li>Record production</li> </ul>		95.1 MMboe
<ul> <li>Strong financial result</li> </ul>		
	<ul> <li>Reported NPAT</li> </ul>	\$2.4 billion
	<ul> <li>Return on equity</li> </ul>	15.3%
	Free cash flow <sup>1</sup>	\$4.2 billion
	Record full year dividend	US 255 cents per share
	\$6.8 billion of liquidity	
	<ul> <li>Cash</li> </ul>	\$3.2 billion
	<ul> <li>Undrawn debt</li> </ul>	\$3.6 billion

1. Operating less investing cash flows



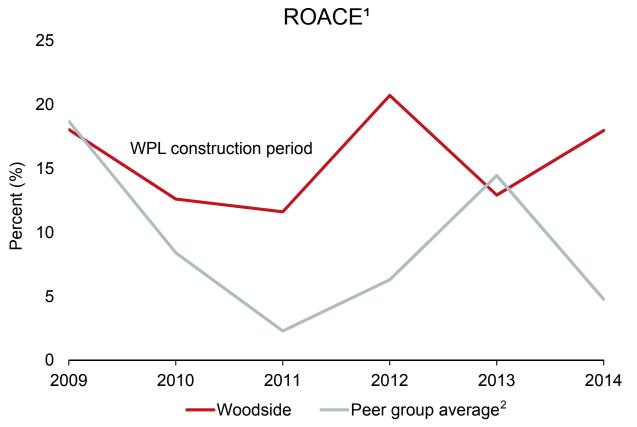


### Strong operating cash flows and low investment spend leading into period of low oil price



# Relative investment performance

First quartile returns from world class asset portfolio



- Returns well in excess of cost of capital and peers
- Reflects:
  - World class asset portfolio
  - Disciplined investment decisions

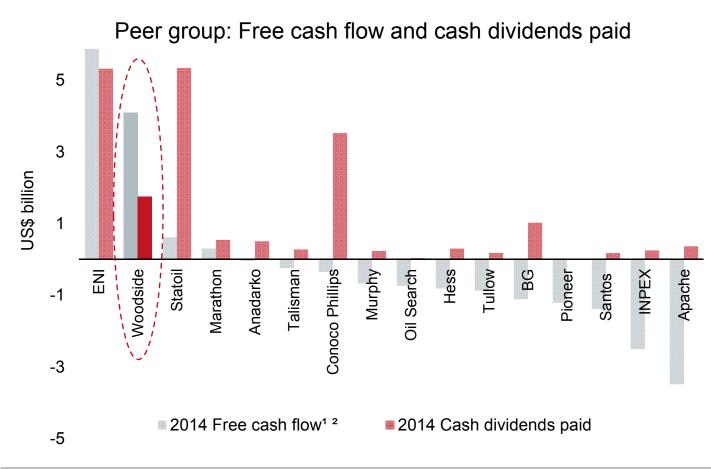
1. Source: IHS data and methodology; ROACE equals (EBIT / (Average Equity + Average Non-Current Liabilities))

2. Anadarko, Apache, BG, ENI, Hess, Marathon, Murphy, Oil Search, Origin, Pioneer, Santos, Statoil, Repsol, Talisman, Tullow



## Dividends

### Ability to fund dividends and invest in growth



 Woodside's 2014 cash dividends represent 43% of free cash flow

1. Source IHS (Comparison of Woodside and peer group - Origin and Repsol data not available)

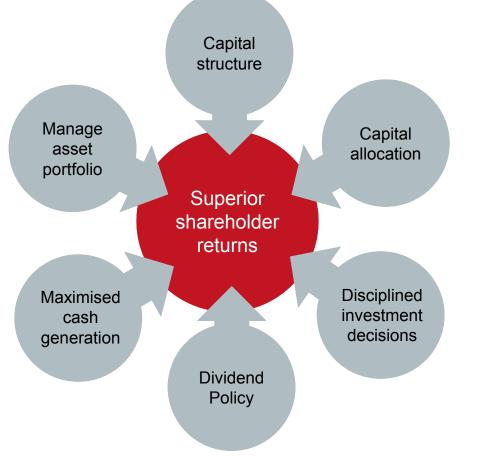
2. Free cash flow equals operating less investing cash flows, but excludes asset sales and purchases





# **Capital management**

### Our capital management approach is unchanged



- Prioritise cash generation
  - Capital discipline
  - Cost reduction
- 80% dividend ratio for foreseeable future<sup>1</sup>
- Maintain liquidity and access to capital for growth
- Retain strong investment grade credit rating
- Target 25% gearing: 10 30% through investment cycle
- Investment decisions based on value creation, not production growth

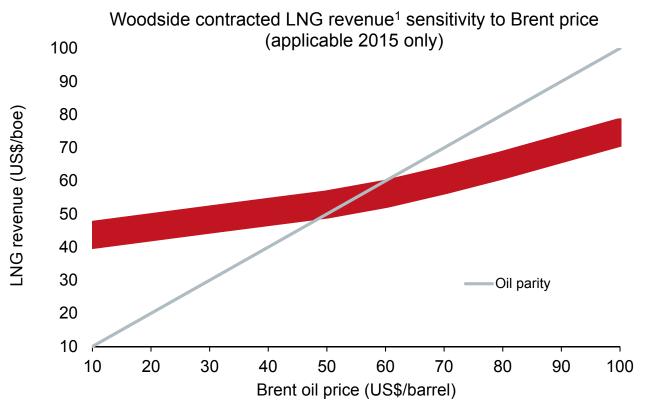
### **Priorities for cash allocation**

- 1. Debt service
- 2. Dividends
- 3. Capex to sustain and grow
- 4. Return surplus cash

1. Subject to the demands of significant new capital investments or if business performance or external circumstances change materially

## LNG revenue sensitivities

### Not a direct linear relationship between Brent oil price and LNG revenue



- Contract portfolio provides protection in a low oil price environment
- 2015 LNG sales volume mix forecast to comprise:
  - Contracted: >90%
  - Spot: up to 10%
- Current spot exposure for 2016 forecast: up to 10%

1. Assumes a mix of DES and FOB sales; excludes spot sales and traded volumes; assumes current provisional pricing where contract pricing is under review; assumes no volume flexibilities are exercised

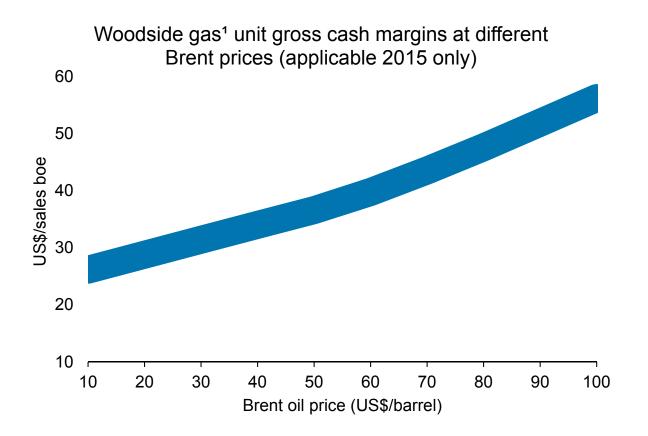
2. LNG revenue is largely indexed to Japanese Custom Cleared (JCC) which has an approximate four month lag to Brent price



Gas unit gross cash margins



Gas business remains cash positive even at low oil prices



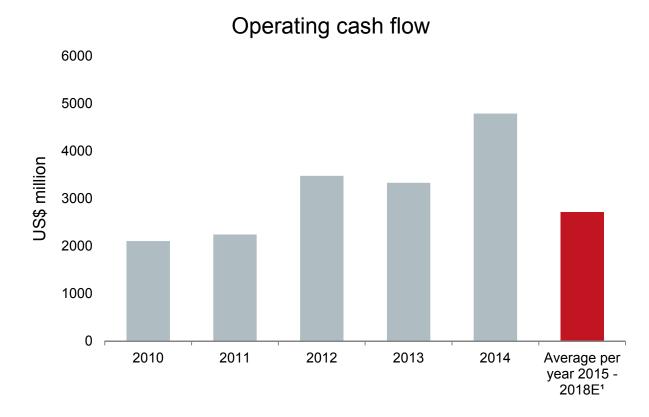
- 2015 gross cash costs<sup>2</sup> \$9 to \$12/boe
- Gas business compromises between 85 to 90% of total sales volumes

1. Gas includes LNG, LPG, pipeline natural gas and condensate

2. Gross cash costs represent cost of sales less non-cash items (depreciation and amortisation and stock movement)

Operating cash flow

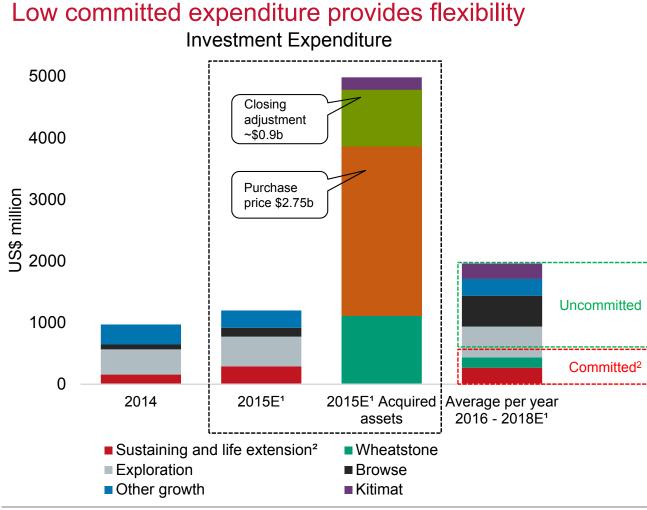
Significant operating cash flow generated at low oil prices (\$65/bbl flat nominal Brent)



- Operating cash flow expected to average approximately \$2.7 billion per annum for the next four years
  - Adequate cash flow to fund expected dividend and investment expenditure



# Investment expenditure



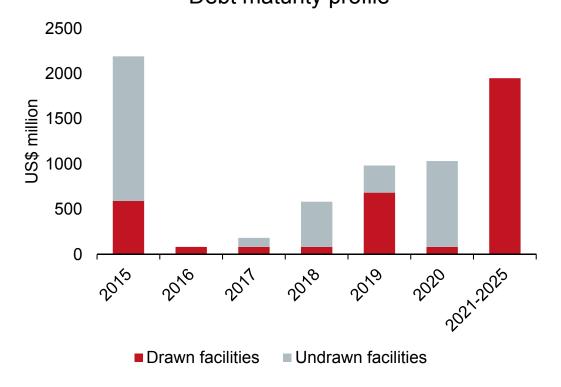
- Committed<sup>2</sup> expenditure less than
- \$500 million per annum
- Flexibility to pace developments:
  - To take advantage of market conditions
  - To fund acquisitions
- Wheatstone forecast expenditure unchanged from purchase economics

1. Based on current asset portfolio. Sustaining and life extension capital expenditure does not develop additional reserves



## Funding

#### Low cost access to diverse capital markets



### Debt maturity profile

- Strong ongoing debt market support
  - \$2.75 billion raised from bond and bank markets in 2015 to date
- Pre-tax portfolio cost of debt lower:
  - from 3.4% p.a. May 2014
  - to 2.6% p.a. May 2015
- Liquidity provides optionality

<u>30 April 2015</u>	<u>US\$ billions</u>	
Cash	0.2	
Undrawn debt	3.3	
Total	3.5	



# Productivity



Aggressive cost and reliability management to deliver enduring value

Volume	2016 Target       2014 result         +3 to 5%       +5%	On target to achieve \$800 million in benefits by end 2016
<b>\$</b> External Spend	<ul> <li>-10 to -20%</li> <li>-13% opex</li> <li>-10% capex</li> </ul>	<ul> <li>\$560 million benefits realised in 2014</li> <li>Low oil price makes achieving structural change in costs critical</li> </ul>
People, Performance & Organisation	□ -10 to -20% □ -8% roles	<ul> <li>2015 redundancies – organisational savings now at ~20%</li> </ul>
Process	-10 to -20%  >300 executed improvements	<ul> <li>Cultural change in progress</li> </ul>

### The focus remains on creating shareholder value

- No change to capital management approach
- Continuing to generate significant operating cash in a low oil price environment
- Maintaining dividend payout ratio
- Accelerating cost reduction and reliability improvements
- Flexibility in balance sheet to invest in growth



# Cost reduction program

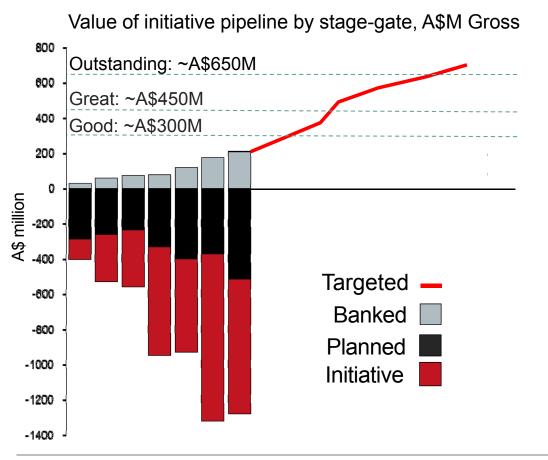
Hendrik Snyman | Senior Vice President Spend Reduction Initiative





# Aggressive cost reduction

### Accelerate delivery of external spend reduction with sustainable outcomes





#### Objective

Delivery of structural changes to costs

#### Target

- Deliver A\$680 million of savings
  - In excess of 500 initiatives, >100 initiatives delivered
  - A\$200 million executed to date

## Value levers



### Addressing all value levers to reduce external spend



Distribution of initiatives per value lever, % of program

Price (reduction in rates/contract prices)

Target >10% across all spend

Process (simplify the way we conduct business)

 Consolidating vendor base from over 3,000 to ~800 for Australia base business

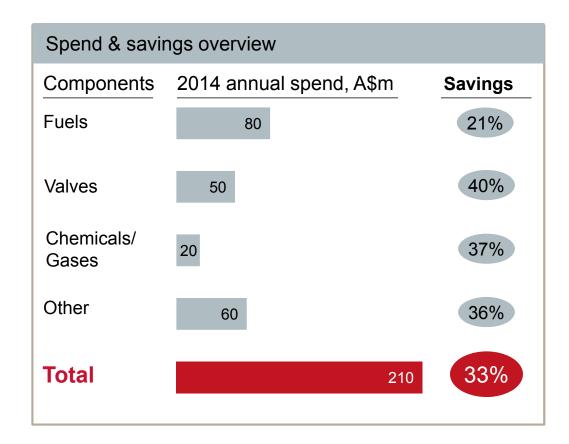
Demand (reduce/eliminate the requirement for a product/service)

Woodside standards streamlined and aligned with industry

## Cost reduction example



### 33% saving on the Maintain Repair Operate (MRO) category



MRO category drivers

- Deliver sustainable cost reduction
- Reduce vendor base
- Maximise transaction automation
- Rationalise product range
- Manage risk

Current savings delivered: A\$69 million (33%)

- Reduced valve suppliers from 80 to one
- Aligned consumables spend to industry benchmarks
- Segregated FPSO chemicals ordering process from onsite supplier



- Committed to deliver a structural cost change
- Utilising all value levers assures a sustainable reduction
- Meaningful impact in the short term



# **Global Exploration**

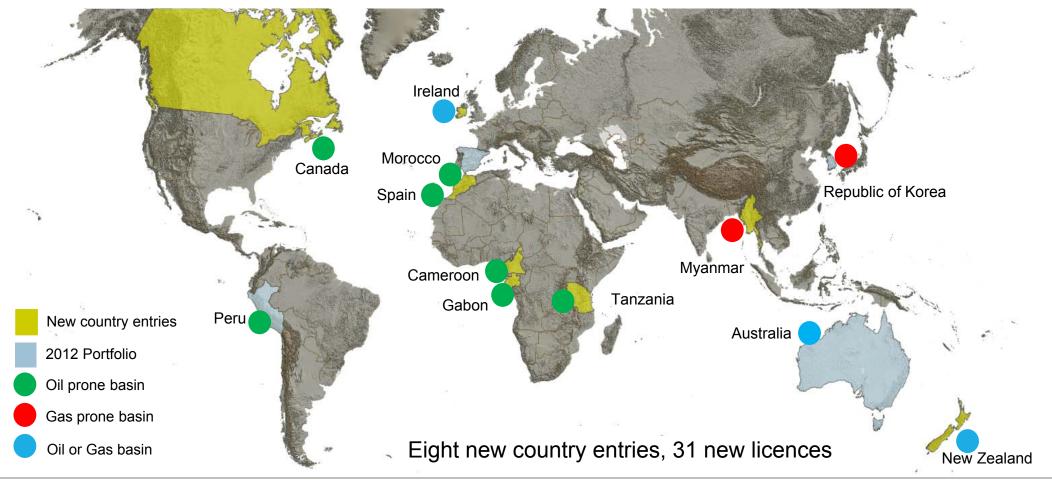
Phil Loader | Executive Vice President Global Exploration



# Portfolio build

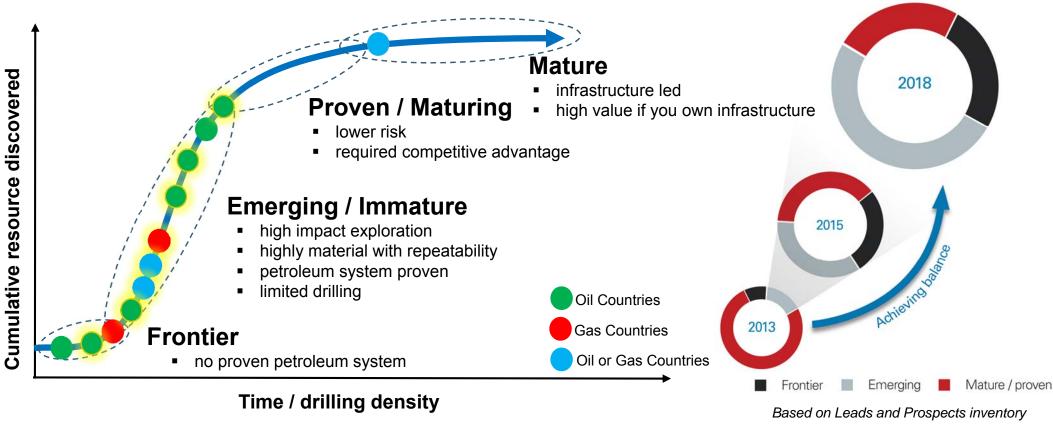


Expanded global footprint in emerging petroleum systems



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Exploration growth focused on emerging basins, with enhanced oil and gas balance



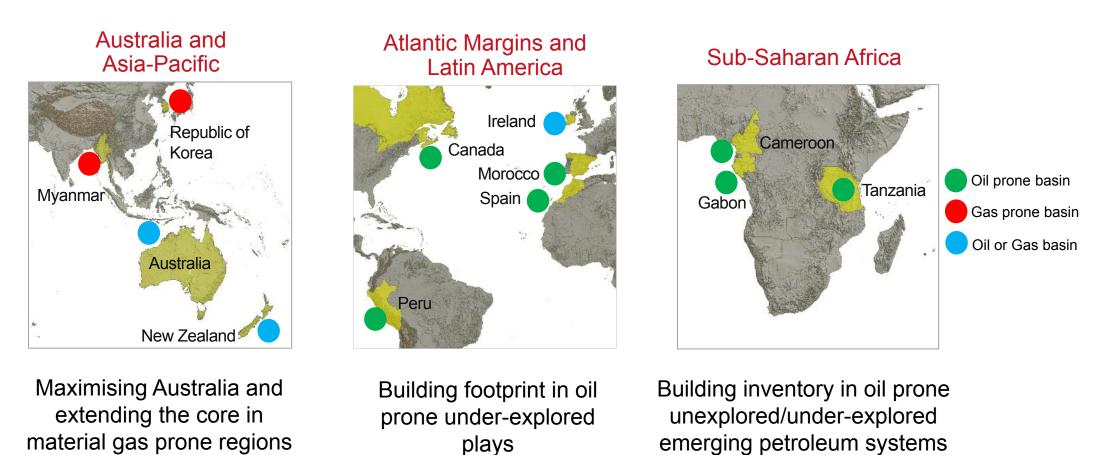
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### Focus areas



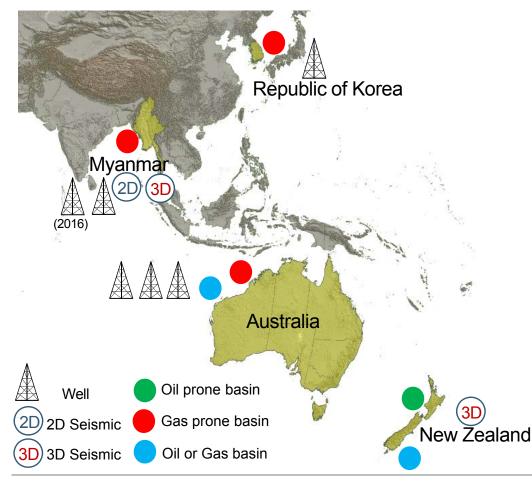
2015: Develop existing acreage, core area aggregation and portfolio growth



# Focus area 1: Australia and Asia-Pacific



### Maximising Australian acreage and extending the core in material gas prone regions



 2015 - drill three play-opening wells in Australia, Republic of Korea and Myanmar

Country	Prospect	Size*
Australia	Malaguti	Large
Republic of Korea	Hongge	Large
Myanmar	Saung	Large

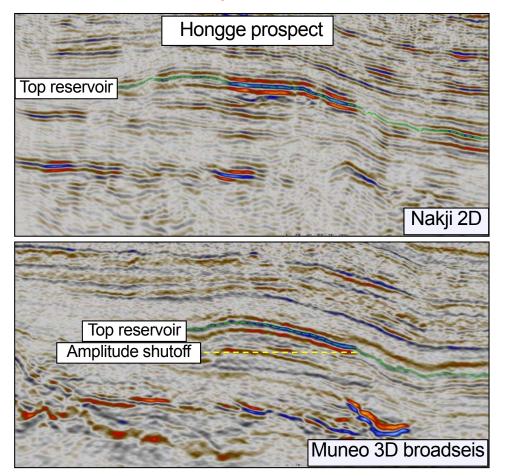
- Build inventory with new seismic in New Zealand and Myanmar
- Woodside exposed to multi-Tcf resource potential

\* *Large* = 100 to 400 *MM*boe

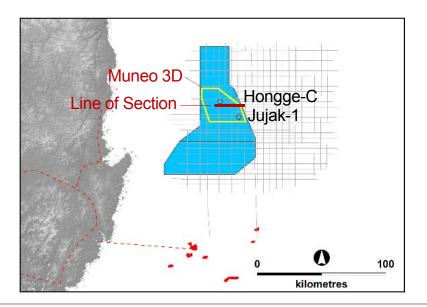
Pyxis-1 Gas discovery in Q2/2015

# **Republic of Korea**

### Advanced 3D acquisition leads to 2015 drilling



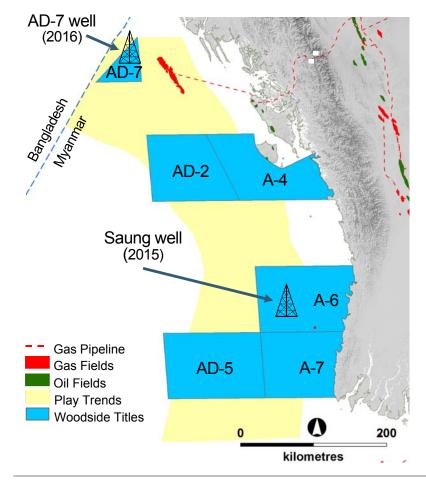
- High specification 3D acquisition and processing
- Hongge prospect identified with Direct Hydrocarbon Indicators





## Myanmar

### The largest acreage holder in the Rakhine Basin



Scale of opportunity

6 permits, 46,000km<sup>2</sup> (~20% of Woodside's global exploration acreage)

Strategic basin position

- early mover advantage
- partnered for strength
- phased exploration program

#### Path to value

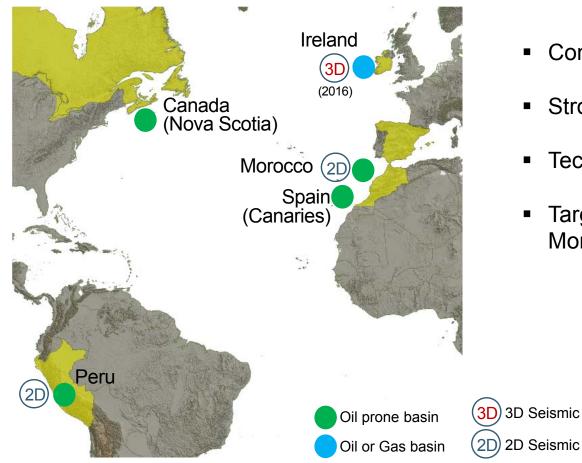
- Myanmar domestic gas
- growing Asian gas markets



# Focus area 2: Atlantic Margins and Latin America



Building a strategic footprint in oil prone under-explored plays

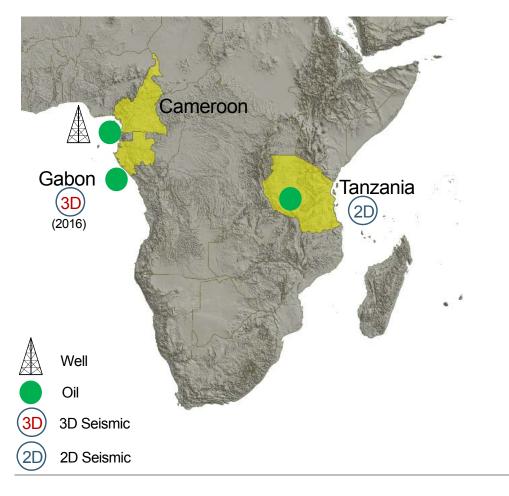


- Conjugate margins, under-explored plays
- Strong evidence of working petroleum systems
- Technology unlocking opportunity
- Targeting multi-100MMbbl oil (Nova Scotia and Morocco) and multi-Tcf wet gas (Ireland)

#### Focus area 3: Sub-Saharan Africa



#### Building inventory in oil prone unexplored and under-explored emerging petroleum systems



- Oil prone Atlantic margin synergies
- Under-explored plays in mature provinces
- Drilling Cheetah-1 well in Cameroon in Q3 2015
- Focus on portfolio aggregation

#### Measures of success



**Objective: Global Leader in Exploration by 2018** 

Measures	Objective
Portfolio	<ul> <li>Scale and optionality to underpin year-on-year exploration success</li> </ul>
Value	<ul> <li>Discipline to deliver consistent top-quartile value</li> </ul>
Success rate	<ul> <li>&gt; 25% commercial success rate</li> </ul>
Discovered Resource	<ul> <li>&gt; 120% production</li> </ul>
Finding Costs	<ul> <li>Consistent top-quartile finding costs (&lt; US\$4/boe)</li> </ul>



- Rebalancing the portfolio, in terms of maturity, geographic focus, and oil / gas mix
- Aggregating and high-grading targets in our three focus areas
- Drilling an additional four wells in 2015 to test plays with material portfolio upside
- Resuming international drilling as focus shifts to execution (Korea, Myanmar, Cameroon)
- Maintaining a disciplined approach, underpinned by the competencies and culture to succeed



# Development

Robert Edwardes | Executive Vice President Development



#### **Development progress**



PRE-ASSESS	ASSESS	SELECT	DEVELOP	EXECUTE	OPERATE
<ul> <li>Exploration</li> <li>GWF Phase 3</li> <li>XENA Phase 2&amp;3</li> <li>Pyxis</li> <li>New opportunities</li> </ul>	<ul> <li>Vincent fuel gas</li> <li>Pluto future facilities</li> <li>Goodwyn Life Extension (GLE)</li> <li>Third party gas</li> </ul>	<ul> <li>Browse</li> <li>Kitimat LNG<sup>1</sup></li> <li>Grassy Point LNG</li> <li>Greater Enfield</li> <li>GWA infill wells</li> <li>Sunrise</li> </ul>	<ul> <li>GWF Phase 2</li> <li>Cossack North</li> <li>Lambert Deep</li> </ul>	<ul> <li>GWF Phase 1</li> <li>XENA Phase 1</li> <li>Vincent Phase IV</li> <li>Persephone</li> <li>Karratha Life Extension (KLE)</li> <li>OKHA riser replacement</li> <li>Pluto 06 Well</li> </ul>	<ul> <li>North West Shelf</li> <li>Laminaria / Corallina</li> <li>Enfield</li> <li>Vincent</li> <li>Pluto</li> <li>Balnaves</li> <li>Stybarrow<sup>1</sup></li> </ul>
				<ul> <li>Julimar/Brunello</li> <li>Wheatstone LNG<sup>2</sup></li> </ul>	 1



#### **Browse FLNG Development**



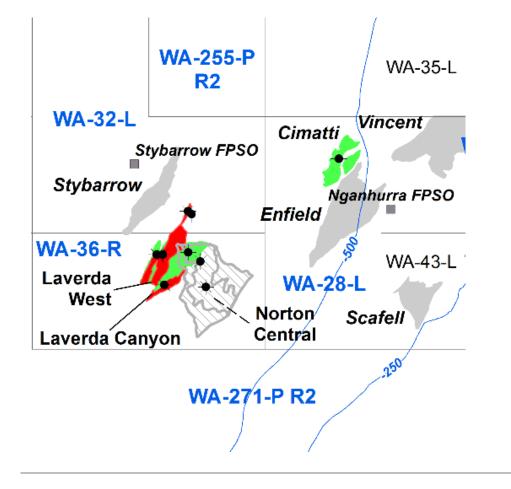
#### Preparing for front-end engineering and design (FEED) entry



- Design-one-build-many philosophy
- Excellent technical definition
- Well defined execution strategy
- Value proposition has improved:
  - Smart engineering initiatives
  - 15-30% reduction in some cost categories
  - Positive 2014 reserves upgrade
- Woodside targets: FEED mid-2015, FID 2H 2016
- Commissioning five years post FID
- Stakeholders engaged on concept and phasing

#### Greater Enfield

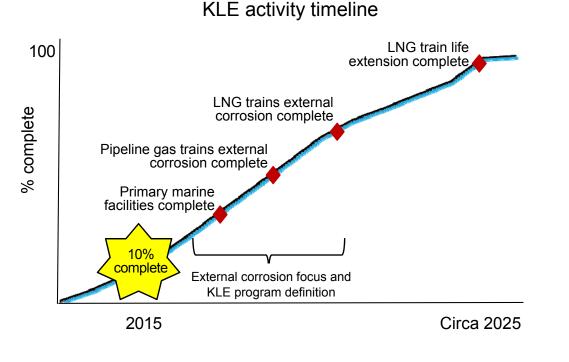
#### Accelerating FEED to capture market conditions



- Oil development via Ngujima-Yin FPSO
- Laverda and Cimatti reservoirs: 70MMboe recoverable volume (gross)
- Previously marginal
- Well and subsea costs comprise >90% of execution estimate
- New approach delivering economic project
- Targeting FID in 2016
- Accelerating FEED gives potential savings from:
  - Lower rig and vessel market rates
  - Subsea equipment and installation synergies



#### Implementing efficient, cost conscious approach, no pre-investment



- Portfolio of refurbishment projects
- Targeting external corrosion, obsolescence and ageing facilities
- Efficient program management approach
- 10% complete; executing safely, efficiently and predictably
- Average annual spend of \$50-70 million net

Karratha Gas Plant life extension



#### Wheatstone LNG Project



#### Supporting Chevron in delivery of Wheatstone through our experience in LNG projects



- Wheatstone LNG Project 60% complete<sup>1</sup>
- Topside float over completed 12 April 2015
- Targeting first gas in late 2016<sup>1</sup>
- Woodside is operator of Julimar-Brunello upstream gas development, which ties into Wheatstone platform
- Julimar-Brunello Project 60% complete, targeting completion mid 2016

1. Source: Chevron. As at April 2015

#### Kitimat LNG (50% equity)

#### World-class resource





- 2 LNG trains, initial capacity 10 mtpa (5 mtpa net)
- Liard and Horn River Basins
- An advanced opportunity in Canada:
  - First Nations: Benefits agreement for Pacific Trail Pipeline in place
- Current focus Liard resource appraisal
- Concurrently:
  - Competitive fiscal framework
  - Competitive project cost structure
  - LNG market capture
- Reviewing LNG plant costs: reductions targeted

#### Liard and Horn River appraisal

# woodside

#### Focus on appraising the Liard resource

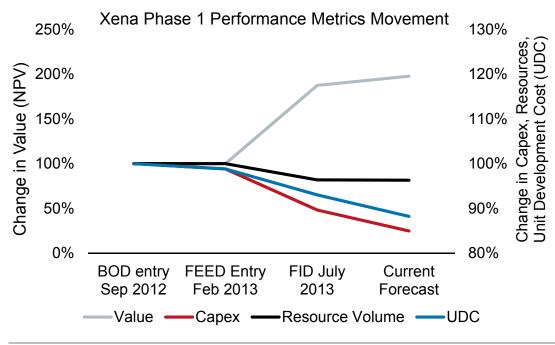


- Liard and Horn River resources 10-40 Tcf net
- Appraisal well data suggests recoveries of
  - ~ 40 Bcf/well in the Liard Basin
  - ~ 20 Bcf/well in the Horn River Basin
- The first two horizontal wells in the Liard Basin will be completed and tested in 2H 2015

#### **Development enablers**







- Up to 40% lower rig and vessel rates
- Reduced cost through subsea tieback campaign synergies
- Woodside standards now industry aligned

Xena example:

- Simplified to lower unit development cost
  - Subsea cooler and manifold scope eliminated
  - Well tied into existing Pluto infrastructure
  - Schedule reduced and on track
- Subsea installation in progress and under budget
- Campaign approach enhances efficiency





- Browse: proposing FEED entry based on robust business case in current environment
- KLE: implementing efficient, cost conscious approach, average annual spend \$50-70m net
- Wheatstone: seeking opportunities to create additional value
- Canada: appraising Liard resource in 2015
- Driving down our unit development costs by at least 20%



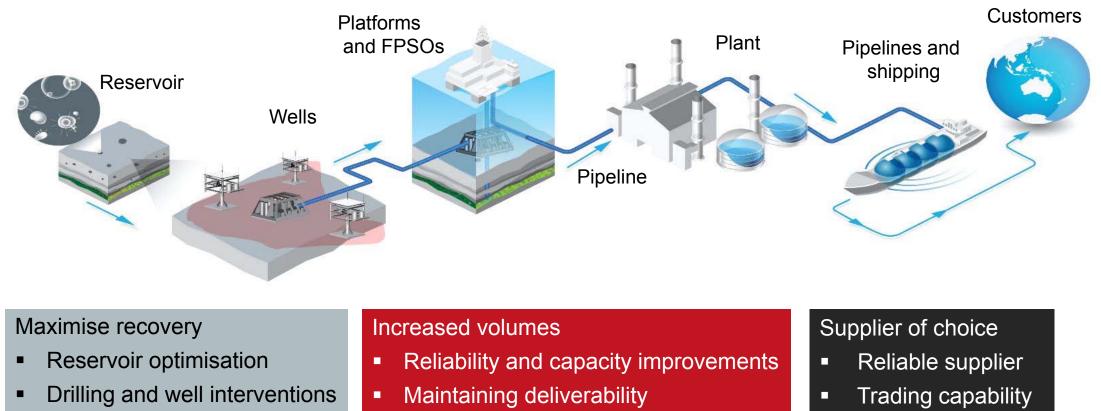
# **Operations**

Mike Utsler | Executive Vice President and Chief Operating Officer



#### Value chain

#### Maximising value from reservoir to market



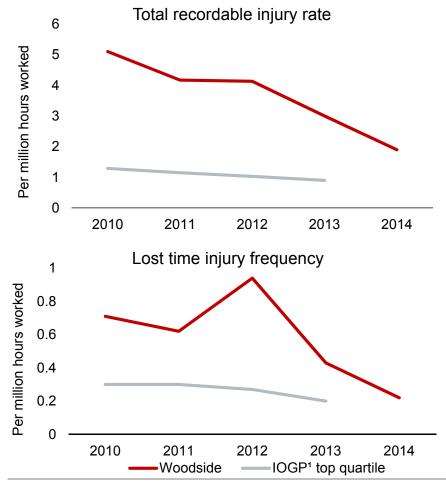
Underpinned by relentless focus on HSE and cost management

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## **HSE** performance

#### Improving, on track to deliver world class HSE performance

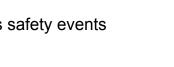


#### 6 Tier 1 and 2 process safety events Number of events 5 4 2 2 0 0 0 0 2012 2013 2014

- Our best ever HSE performance in 2014
  - 37% reduction in total recordable injury rate

■ Tier 1 ■ Tier 2

- 50% reduction in process safety events
- 29% reduction in flaring



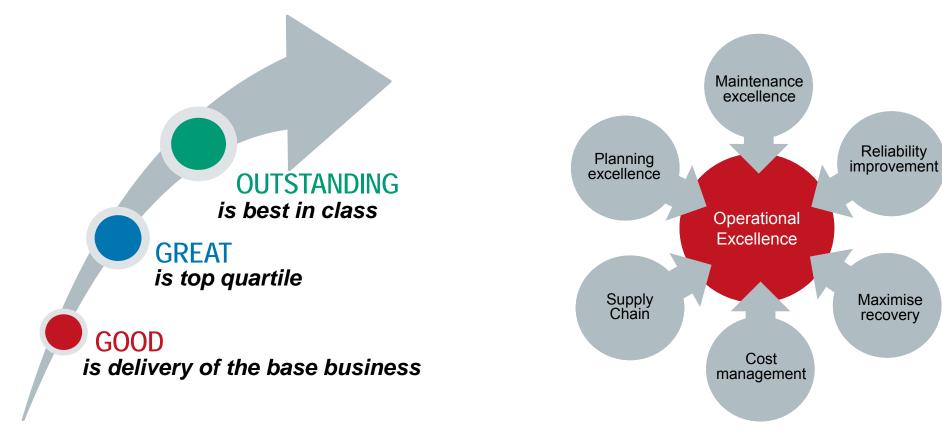
International Association of Oil and Gas Producers, 2014 data not available

1.



#### **Operational excellence**

Our journey to outstanding operational performance

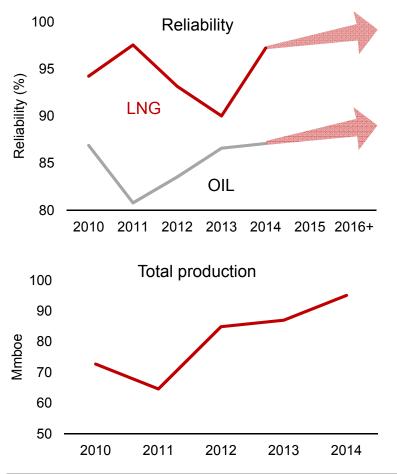




#### Increased volumes



#### Delivering on our productivity promises – reliability and capacity improvement



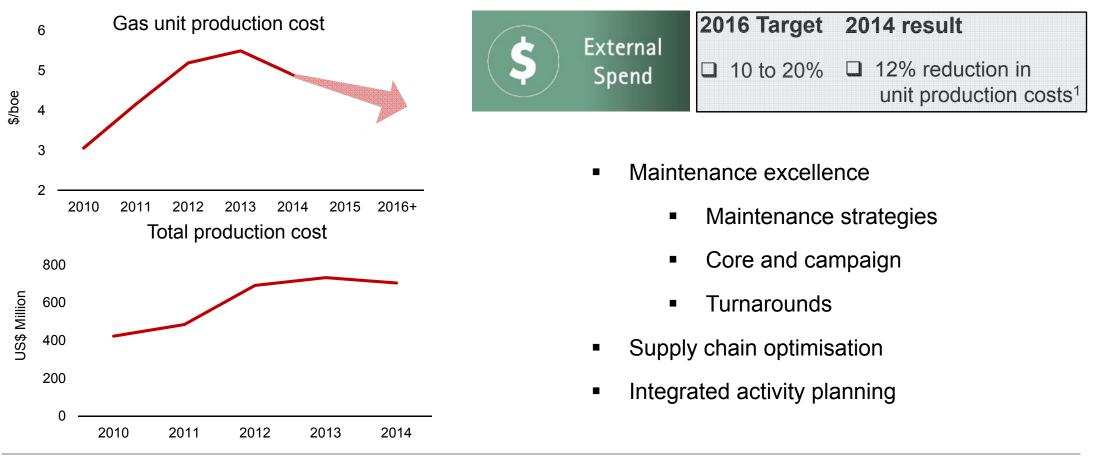


- Achieved top quartile LNG reliability performance on NWS and Pluto in 2014
- Oil performance improved, further gains in 2015
- Facility optimisation through constraints management
- Planned LNG capacity increases: potential 1 to 2% improvement on Pluto and NWS

#### Reducing costs



#### Delivering cost reductions through our operational excellence program

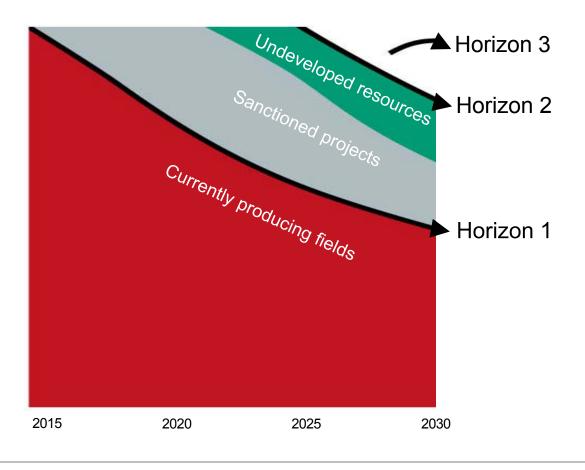


1. The 12% reduction in unit production costs contributed towards the overall 13% reduction in opex in 2014

#### North West Shelf post 2025



#### Maximise the value of the North West Shelf through plateau extension



- Horizon 1: Safe and reliable operations of the base business
- Horizon 2: Disciplined project delivery to develop North West Shelf reserves
- Horizon 3: Extend plateau beyond current reserves
  - Fortuna 3D seismic
  - Other resource owners

Continue our journey to outstanding operational performance

- Maximise value from reservoir to market
- Relentless focus on HSE performance
- Maximise volumes through reliability and capacity enhancement
- Continue to deliver cost efficiencies
- Delivering sustained value through continuous improvement
- Leverage our capabilities and world-class assets



# **Question and Answer**

Peter Coleman | CEO





# Morning tea

Return at 11:00am AEST







Start	Торіс	Presenter
Session 2		
11:00	People and Capability	David McLoughlin
11:10	Marketing and Trading	Reinhardt Matisons
11:40	Q&A session 2	Peter Coleman
12:20	Lunch	



# **People and Capability**

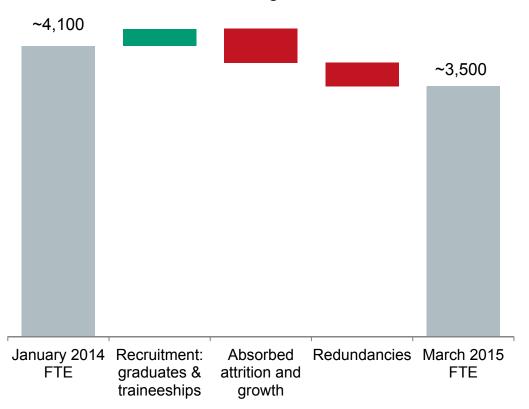
David McLoughlin | Vice President People and Capability



#### Our workforce



Reshaping our workforce with discipline to deliver organisational efficiency



#### **Resourcing Levels**

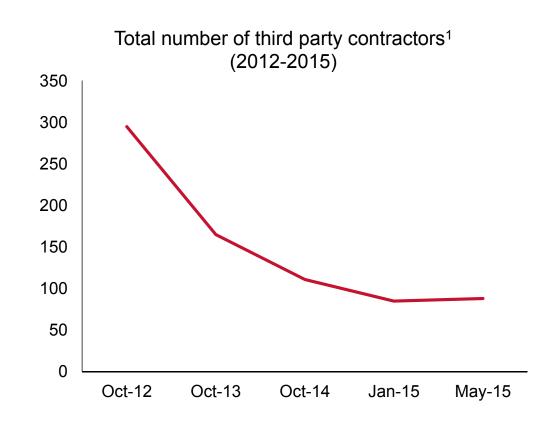
- Productivity review identified an opportunity to improve 10 - 20% in organisational efficiency
- From early 2014 we have achieved a ~ 20% organisational efficiency, while delivering on our growth commitments and graduate / traineeship intake
- To streamline the organisation we have:
  - reduced organisational layers from ~ 8 to 7
  - reduced managers by ~18%
  - improved spans of control from ~ 5 to 6.5

Values are presented in terms of gross joint venture operated expenditure in Australian dollars.

1. Excluding apprentices, trainees and service providers

Our culture in action

#### Creating in-house capability and embedding a high performance culture

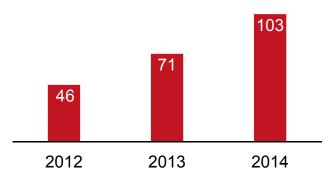


- Discipline and continuous improvement culture delivering results
- Third party contractor numbers reduced from 295 in 2012 to 88 in 2015
  - Associated spend reduced from A\$120 million in 2012 to A\$32 million in 2014
  - Average of 27% rate reductions implemented in 2015
  - Working smarter and building staff capability and culture



### Our talent pipeline

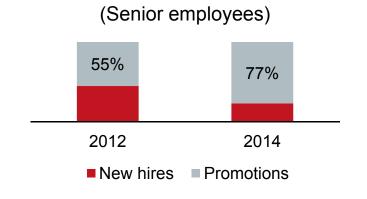
#### Developing talent and leadership from within



Graduate recruitment year

- Committed to developing talent
  - Implemented best practice graduate development program
  - Expanding international graduate pool
  - Ratio of almost 2:1 graduate hire to mid career hire in 2014

- Promoting our next generation of leaders from within
  - Strong progress towards our aspiration of 80%



Promotions v External hires

#### Diversity



#### Delivering progress on building a diverse workforce



- Gender diversity focus and committed to growth
  - Female workforce increased to 29% compared to 16% in the Australian resource sector
- Providing indigenous opportunities
  - 15 scholarships awarded
  - 8 community cadetships
  - 44 participants in traineeships and apprenticeship programs
  - Indigenous comprise 2.7% of workforce compared to 3.1% in the Australian resource sector and 1.4% in all Australian industries





http://youtu.be/aSRQbD65RRY



- Achieved ~20% organisational efficiency, ~600 FTEs reduced since Jan 2014
- Ahead of the curve with controlled re-structuring
- Ongoing commitment to building a values-led performance culture
- Developing our leadership and talent through:
  - promotion from within
  - increased graduate intake



## Marketing and Trading

Reinhardt Matisons | Executive Vice President Marketing, Trading and Shipping





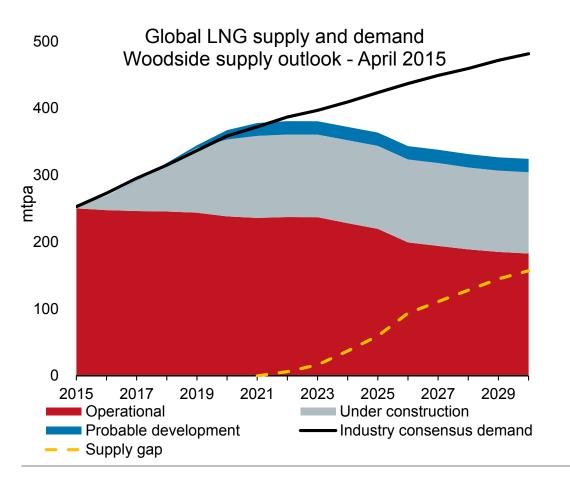
#### Focus is competitive bulk supply of LNG into Asia and other regional markets

- Ability to supply any market, at any time, from any source (not single source to single buyer)
- A competitive supplier of LNG into Asia (price, terms, supply reliability and security) to meet customer requirements
- Woodside's transition to a portfolio seller:
  - Backed by substantial equity LNG and third party sources
  - Secure sales contracts with source flexibility
  - Enhanced and more diversified customer offerings
- Trading strategy is to be an "optimiser" (a trader of physical cargoes) not a proprietary trader
  - Support projects
  - Pursue incremental value through trading and shipping optimisation

**Global LNG market** 



#### Market continues to grow, including substantial uncontracted Asian demand 2021+



LNG trade expected to grow ~7% p.a. to 2020

Asia-Pacific demand remains core at ~70% of market

- Significant new demand across a broader customer base
- Expanding import infrastructure
- Traditional buyers recontacting demand

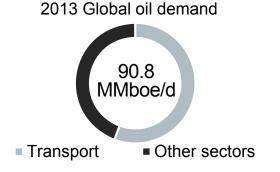
Momentum for many proposed projects stalled

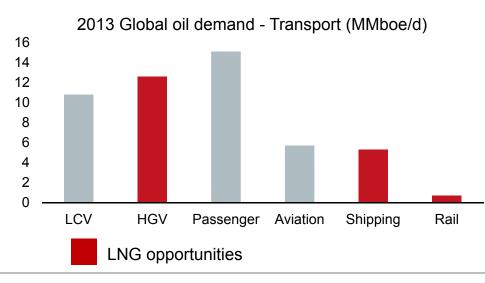
To avoid post 2021 supply shortfall, buyers and industry need to support ~15 mtpa of project FIDs per year

LNG upside opportunities

woodside

#### Replace oil transport and overall energy growth in non OECD countries such as China





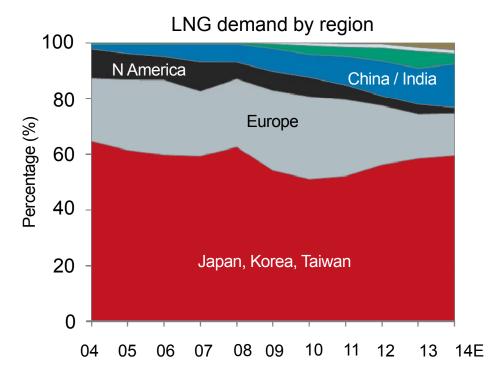
- Global LNG trade 2013 = 6.1 MMboe/d
- Global oil demand 2013 = 90.8 MMboe/d
  - Transport represents 50.5 MMboe/d
- Transportation fuel displacement market is three times 2013 LNG traded (~ 19 MMboe/d):
  - Heavy good vehicles ~ 13 MMboe/d
  - Shipping ~ 5 MMboe/d
  - Rail ~ 1 MMboe/d

Source: IHS Energy, Study conducted on 2013 data concluded in February 2015

#### LNG demand profile is diversifying

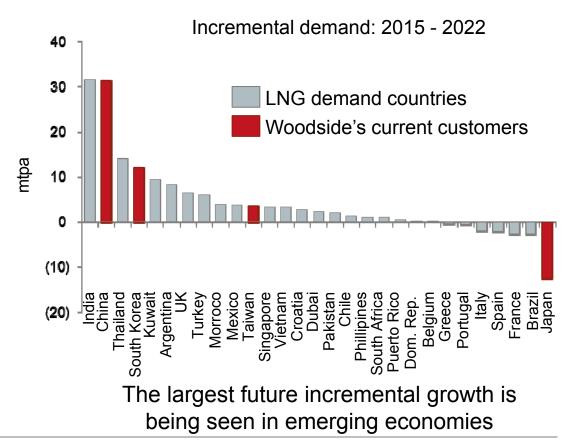
Historic

#### Woodside has opportunities both in traditional and new regions



Japan, Korea and Taiwan have been the dominant premium LNG markets over last decade

Source: Wood Mackenzie data; BCG demand model; BCG analysis; EIA; IEA

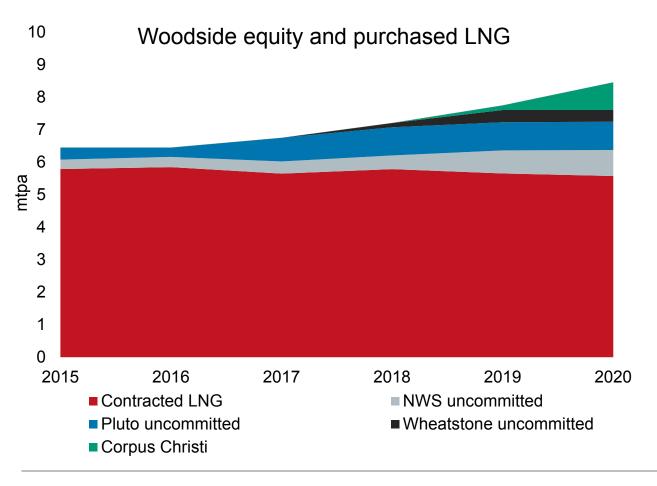


Future



# Woodside's LNG portfolio

### Strong suite of existing LNG contracts; portfolio marketing to secure robust new SPAs

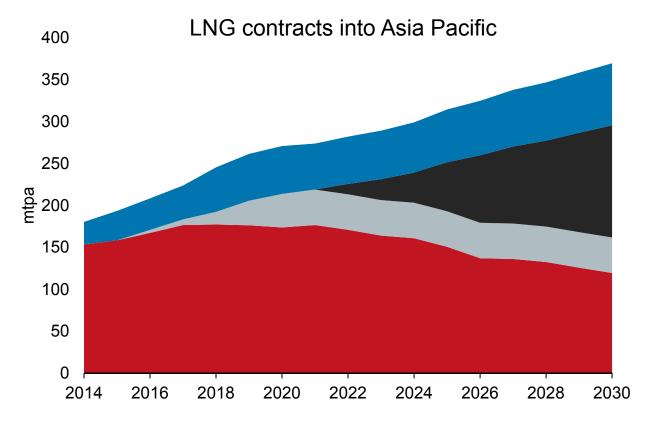


- Limited exposure to current spot market
  - 2015 2016: up to 10% of total LNG sales
- Uncommitted volumes are available for short, mid and long-term marketing
- Wheatstone adds further high quality LNG SPAs to our existing portfolio
- Existing mid-term contracts provide optionality
- Existing mid and long-term LNG agreements have varying levels of indexation to oil / JCC



LNG price indexation

### Differentiated pricing in Asia-Pacific to continue; low oil prices disruptive to new projects



Low oil prices:

 Challenges financial feasibility / ability to progress to FID for many projects

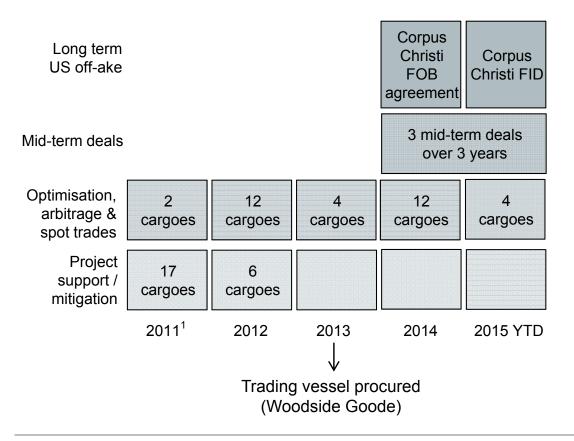
Future arrangements:

- Likely to include a mix of pricing structures, but still majority oil linked
- Opportunities to balance downside price protection with upside

Existing oil-indexed Contracted US supply Uncontracted demand Short-mid term



## Support projects and "optimise" the trade of physical cargoes, not proprietary trade



- Already material value protection / creation: 2014 activities added over US\$40m additional revenue
- Support projects: risk management
- Actively seek options / flexibility to enable asset backed trading
- Long term US FOB volumes: price diversity, flexibility to optimise and arbitrage opportunities

**Trading optionality** 

Optionality increasingly critical to maintain margin and value

### Asia-Pacific LNG terminal capacity

	Country	Current number of terminals	Number of terminals proposed or under construction	Potential Capacity by 2025 (Mtpa)
Traditional	Japan	32	6	201
	South Korea	5	2	84
	Taiwan	2	1	24
Developing	China	12	14	97
	India	4	6	60
Emerging	All	5	11	62
Total	Asia Pacific	60	40	528
	Rest of World	48	66	435

- We may acquire equity or capacity rights in receiving terminals
- Develop and access niche and emerging markets
- Avoid rent seeking from others



# Key messages

Market:

- LNG market continues to grow (size and number of participants)
- Customer base is broadening
- Substantial uncontracted demand 2021+ for our growth projects

Our strategy:

- Supplying Asia and other regional markets with competitive bulk supply of LNG
- Transitioning to a portfolio based seller; leverage experience, capability and growing portfolio
- Trading to optimise and add incremental value
- Securing optionality we may acquire equity or capacity rights in receiving terminals



# Wrap up

Peter Coleman | Chief Executive Officer and Managing Director







# Strategy

Effective, unchanged

# Strong financial position

- Credit ratings reaffirmed, stable outlook
- Dividend pay out ratio unchanged
- Refinanced balance sheet at improved terms (in low oil price environment)
- Continued focus on growth, and maintaining returns

## Future focus

- Aggregating opportunities in existing focus areas
- Providing strong yield with growth optionality
  - De-risked future growth through Wheatstone acquisition
  - Added upside with Kitimat purchase
  - Organic growth through Browse and Greater Enfield
  - Additional upside through exploration, acquisition, marketing and trading



# Biographies





#### Peter Coleman

BEng (Civil and Computing), MBA, FATSE

#### Chief Executive Officer and Managing Director

Peter was appointed as Chief Executive Officer and Managing Director in May 2011, and has over 30 years' experience in the global oil and gas industry.

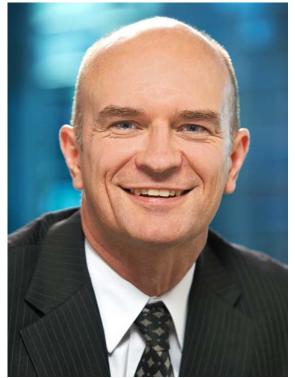
Peter is the Chairman of the Australian-Korea Foundation. a Fellow of the Australian Academy of Technological Sciences and Engineering and, in 2012, was awarded the honorary title of Adjunct Professor in Corporate Strategy from the University of Western Australia. In 2013. he received the Distinguished Alumni Lifetime Achievement Award from Monash University. Following graduation from Monash University, he began his career at Esso Australia (which became part of the ExxonMobil group) and stayed with ExxonMobil until joining Woodside.



#### Lawrie Tremaine BBus, FCPA Executive Vice President Finance and Commercial and Chief Financial Officer

Lawrie was appointed as Chief Financial Officer in 2010. In 2014, leadership of the Commercial function was also added to his remit.

He joined Woodside in 2006 and has over 30 years of finance leadership experience, predominantly in the resource and minerals processing industry. Lawrie is responsible for a range of functions including finance, investor relations, commercial, contracting and procurement, information technology and performance excellence. Prior to joining Woodside, he worked for Alcoa for 17 years. He is a National Executive Member of the Group of 100.





#### Michael Utsler

BSc (Petroleum Engineering) Chief Operations Officer Michael was appointed as Chief Operations Officer in 2013, following an extensive career in upstream oil and gas spanning 36 years. He is responsible for Woodside's producing facilities and stewardship of programs in health, safety, environment and security and emergency management. Prior to joining Woodside, Michael held the position of President for the BP-Gulf Coast restoration organisation, leading the Deepwater Horizon response effort.



#### Dr Robert Edwardes BSc (Eng), PhD Executive Vice President Development

Robert was appointed as Executive Vice President Development in 2012. He has over 37 years of resources industry experience, spanning the full breadth of operations and projects. In his current role, he is accountable for front-end planning and execution of onshore and offshore capital projects, reservoir management, engineering and subsea.

Prior to joining Woodside, Robert's roles included Managing Director of Worley Parsons (US and Latin America) and Project Director of the Kizomba deepwater oil development in Angola with ExxonMobil.





#### Phil Loader

BSc (Geology), MBA, MSc, DIC Executive Vice President Global Exploration Phil was appointed as

Phil was appointed as Executive Vice President Global Exploration in 2013, following an extensive career in the upstream sector spanning over 30 years. Phil is responsible for the company's global exploration activities.

Prior to joining Woodside, Phil's roles included Senior Vice President Exploration at Mubadala Petroleum in the United Arab Emirates and Vice President Exploration at Anadarko Petroleum.



#### Reinhardt Matisons BEng, MBA, MIE Aust, CPEng, CPA Executive Vice President Marketing, Trading and

#### Shipping

Reinhardt was appointed as Executive Vice President Marketing, Trading and Shipping in 2014. He has over 33 years' experience in the energy industry. In his current position, he is accountable for the newly formed marketing, trading and shipping function. Reinhardt joined Woodside in 1996 and has held various marketing and commercial roles. Prior to this, he held senior leadership roles with Poten & Partners, Alinta Gas, Western Power and the State Energy Commission of Western Australia.





#### David McLoughlin

#### B.A (Psychology), FAHR Vice President People and Capability

David was appointed as Vice President, People and Capability in 2014. He has twenty years' experience in mining, minerals and engineering services throughout Australia, SE Asia and the Americas. David is responsible for the People and Capability/Human Resources function within Woodside.

Prior to Woodside David has held a variety of roles including Manager Integration Minera Las Bambas, Vice President Human Resources Glencore Xstrata Copper, General Manager Xstrata Copper Australia, various roles with Thiess Pty Ltd and Rio Tinto.



#### Hendrik Snyman BSc (Eng.), MBA Senior Vice President Spend Reduction Initiative

Hendrik was appointed as Senior Vice President Spend Reduction Initiative in 2015. Previously he was in the role of

SVP Chief Procurement Officer. He joined Woodside in 2013 and has over 26 years of Oil and Gas Industry experience, spanning the full breadth of operations and projects, including HSE and operations integrity, development planning and delivery of major capital projects. Hendrik is responsible in leading a

company wide Spend reduction program to deliver a restructured cost base and position Woodside as a partner of choice.

Prior to working for Woodside he was a General Manager for Shell for 7 years.





#### Craig Ashton

BSc (MechEng), BLaw, MAppFin Vice President Investor Relations Craig was appointed as Vice President, Investor Relations in 2013. He has over twenty years' commercial experience in the resources industry in Australia and South Africa. Craig is responsible for the Investor Relations function within Woodside. He joined Woodside in 2000 and has held various Commercial and Business Manager roles. Prior to Woodside Craig worked

at Iscor Limited, a South African mining and steel company where he held roles in corporate business development, corporate strategy, marketing and shipping.





- 1. Unless otherwise stated, all petroleum resource estimates in this presentation are quoted as at the balance date (i.e. 31 December) of Woodside's most recent Annual Report released to ASX and available at <a href="http://www.woodside.com.au/Investors-Media/Annual-Reports">www.woodside.com.au/Investors-Media/Annual-Reports</a>, net Woodside share at standard oilfield conditions of 14.696 psi (101.325 kPa) and 60 degrees Fahrenheit (15.56 deg Celsius).
- 2. Woodside reports reserves net of the fuel and flare required for production, processing and transportation up to a reference point. For offshore oil projects, the reference point is defined as the outlet of the Floating Production Storage and offtake Facility (FPSO), while for the onshore gas projects the reference point is defined as the inlet to the downstream (onshore) processing facility.
- 3. Woodside uses both deterministic and probabilistic methods for estimation of petroleum resources at the field and project levels. Unless otherwise stated, all petroleum estimates reported at the company or region level are aggregated by arithmetic summation by category. Note that the aggregated Proved level may be a very conservative estimate due to the portfolio effects of arithmetic summation.
- 4. 'MMboe' means millions (10<sup>6</sup>) of barrels of oil equivalent. Dry gas volumes, defined as 'C4 minus' hydrocarbon components and non-hydrocarbon volumes that are present in sales product, are converted to oil equivalent volumes via a constant conversion factor, which for Woodside is 5.7 Bcf of dry gas per 1 MMboe. Volumes of oil and condensate, defined as 'C5 plus' petroleum components, are converted from MMbbl to MMboe on a 1:1 ratio.
- 5. Unless otherwise stated all petroleum resource estimates refer to those estimates set out in the Reserves Statement in Woodside's most recent Annual Report released to ASX and available at <u>www.woodside.com.au/Investors-Media/Annual-Reports</u>. Woodside is not aware of any new information or data that materially affects the information included in the Annual Report. All the material assumptions and technical parameters underpinning the estimates in the Annual Report continue to apply and have not materially changed.
- 6. The estimates of petroleum resources are based on and fairly represent information and supporting documentation prepared by qualified petroleum reserves and resources evaluators. The estimates have been approved by Mr Ian F. Sylvester, Woodside's Vice President Reservoir Management, who is a full-time employee of the company and a member of the Society of Petroleum Engineers. Mr Sylvester's qualifications include a Master of Engineering (Petroleum Engineering) from Imperial College, University of London, England, and more than 20 years of relevant experience.