

ASX & Media Release

AGL Investor Day

14 November 2016

AGL Energy Limited (AGL) will today host its 2016 Investor Day featuring presentations from members of AGL's Executive Team and other members of senior management.

Copies of the presentations are attached to this release and are available on AGL's website.

The Investor Day will be webcast live from approximately 12.15pm to 3:15pm and approximately 4:10pm to 5pm. You can register to view the webcast via AGL's website at the following link: http://www.webcasts.com.au/agl141116/.

A replay of the webcast will be archived on AGL's website with the presentation materials and a transcript of the event.

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About AGL

AGL is one of Australia's leading integrated energy companies. It is taking action to responsibly reduce its greenhouse gas emissions while providing secure and affordable energy to its customers. Drawing on over 175 years of experience, AGL serves its customers throughout eastern Australia with meeting their energy requirements, including gas, electricity, solar PV and related products and services. AGL has a diverse power generation portfolio including base, peaking and intermediate generation plants, spread across traditional thermal generation as well as renewable sources including hydro, wind, solar, landfill gas and biomass.



Disclaimer and important information

The information in this presentation:

- Is not an offer or recommendation to purchase or subscribe for securities in AGL Energy Limited or to retain any securities currently held;
- Does not take into account the potential and current individual investment objectives or the financial situation of investors; and
- Was prepared with due care and attention and is current at the date of the presentation.

Actual results may materially vary from any forecasts (where applicable) in this presentation.

Before making or varying any investment in securities in AGL Energy Limited, all investors should consider the appropriateness of that investment in light of their individual investment objectives and financial situation and should seek their own independent professional advice.

Major expenditure remains subject to standard Board approval processes.

Statutory profit and Underlying Profit

Statutory profit is prepared in accordance with the Corporations Act 2001 and Australian Accounting Standards, which comply with International Financial Reporting Standards.

 $Underlying \ Profit\ is\ statutory\ profit\ adjusted\ for\ significant\ items\ and\ changes\ in\ the\ fair\ value\ of\ financial\ instruments.$

Underlying Profit has been presented with reference to the Australian Securities & Investments Commission's Regulatory Guide 230 "Disclosing non-IFRS financial information" issued in December 2011. AGL's policy for reporting Underlying Profit is consistent with this guidance. The Directors have had the consistency of the application of the policy reviewed by the external auditor of AGL.

 $Amounts\ presented\ as\ statutory\ profit/(loss)\ and\ Underlying\ Profit\ are\ those\ amounts\ attributable\ to\ owners\ of\ AGL\ Energy\ Limited.$

Energy in action.*

Agenda

Market & Operations Update

1230



Richard Wrightson, General Manager, Wholesale Markets

Doug Jackson, Executive General Manager, Group Operations

Wholesale Electricity: Managing Volatility

Group Operations: Driving Value

1345



Strategy & Growth Update

Andy Vesey, Managing Director & CEO

Growth in Transition: Our Strategic Imperative



Alistair Preston, Exec. General Manager, Organisational Transformation

Power Shift: AGL Scenario Planning



Brett Redman, CFO

Agile Capital: a Growth Story



Stephen Mikkelsen, Executive General Manager, Energy Markets

Growth Initiatives: Break-Out Session



Elisabeth Brinton, Executive General Manager, New Energy

New Energy: Building the Innovation Accelerator



Tim Nelson, Head of Economic Policy & Sustainability

Perspectives on Policy Reform

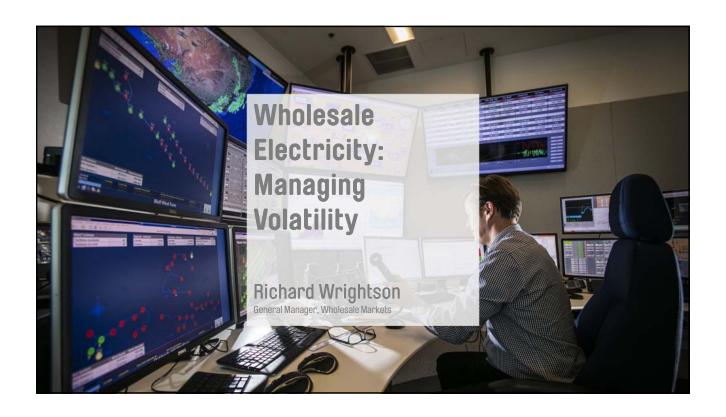
1730

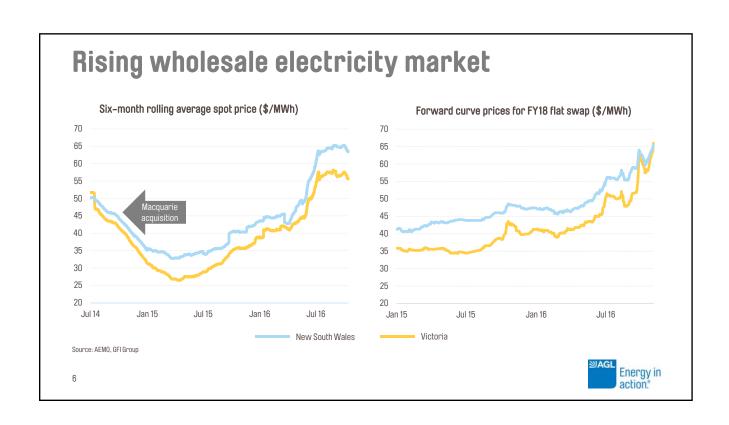


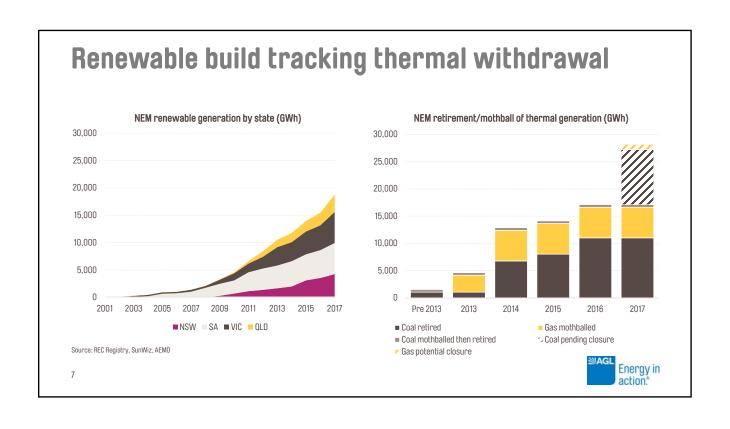
Wholesale Electricity: Managing Volatility

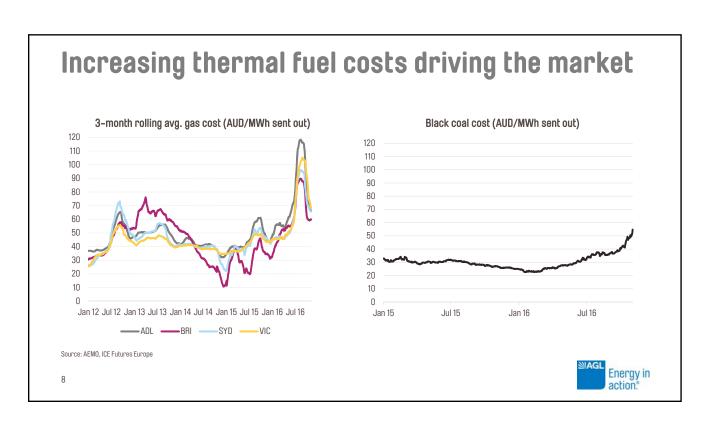
Group Operations: **Driving Value**

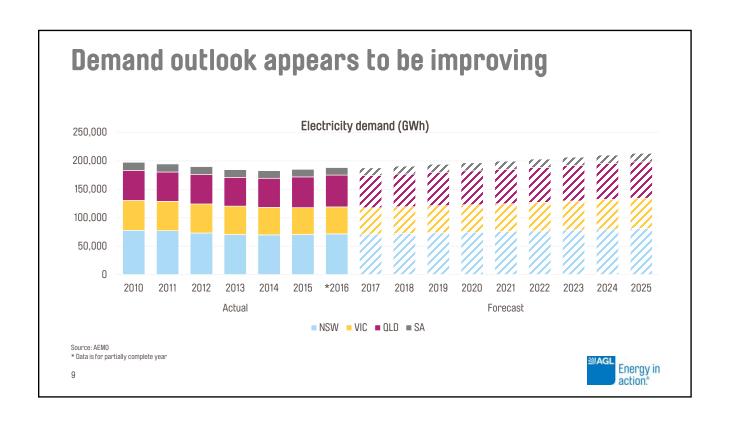


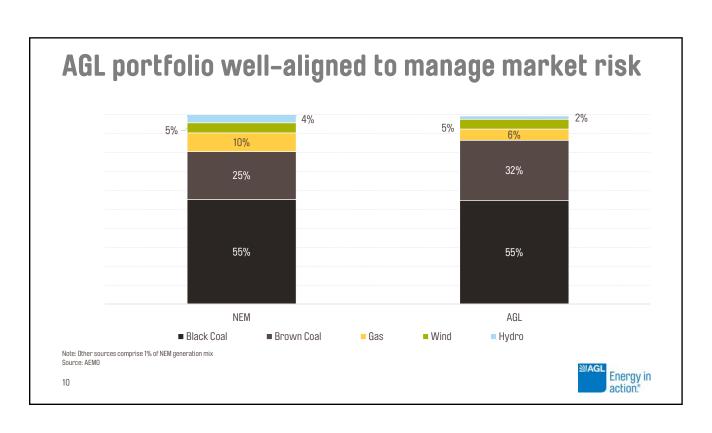


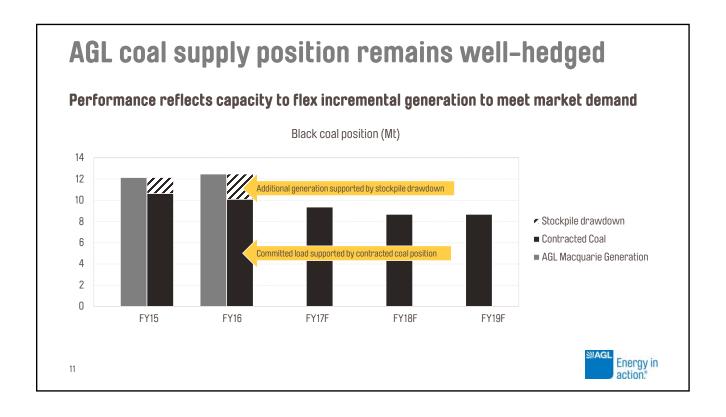


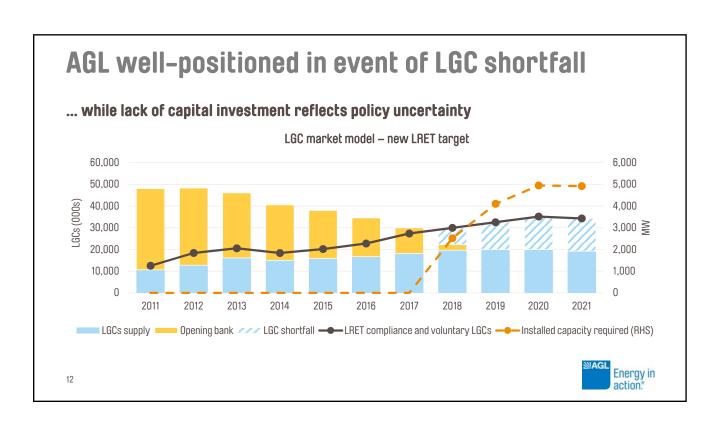


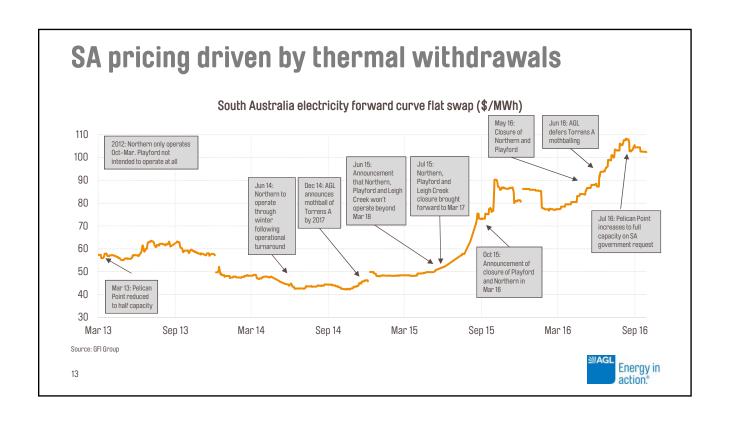








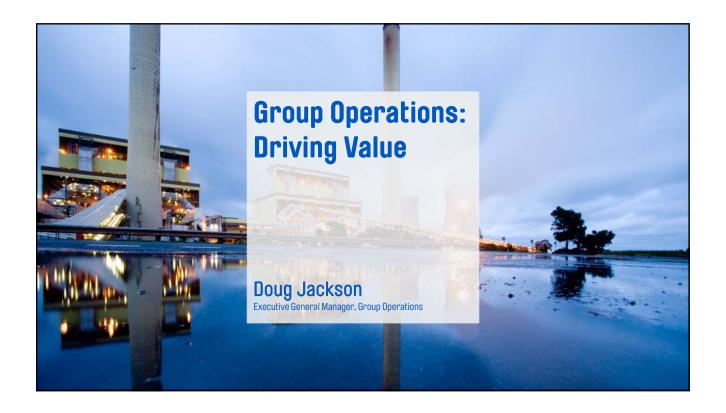


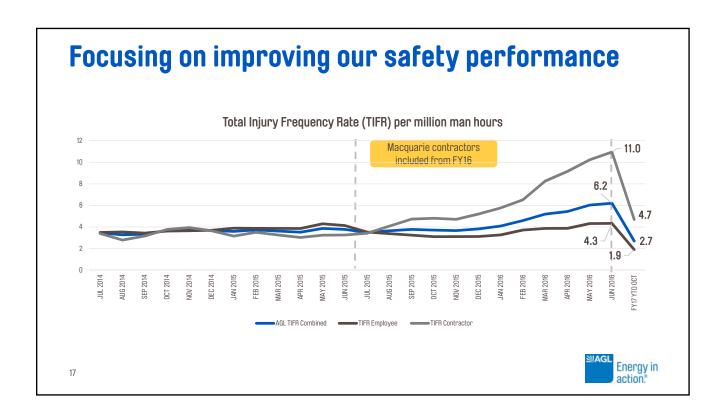




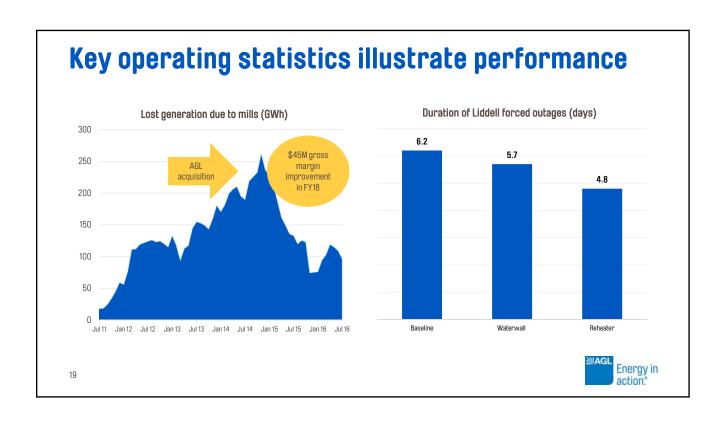
Wholesale Electricity: Managing Volatility Group Operations: Driving Value

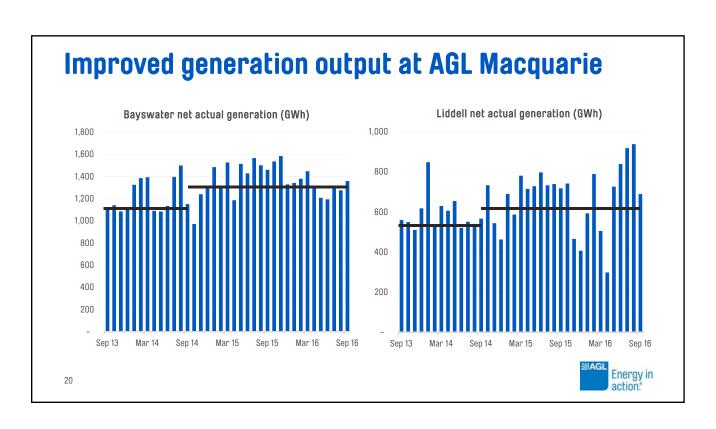


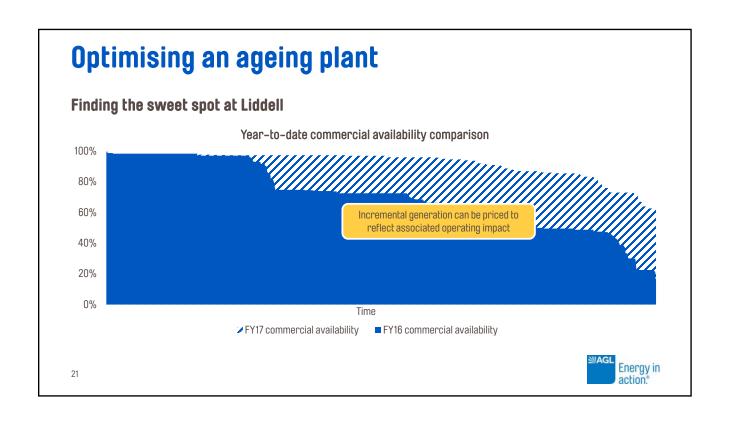


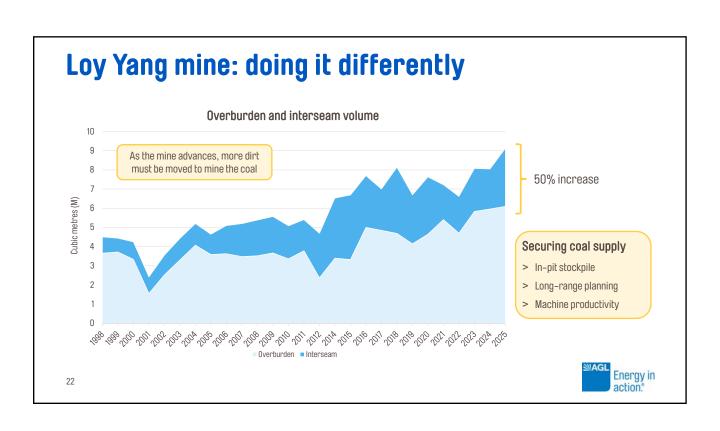




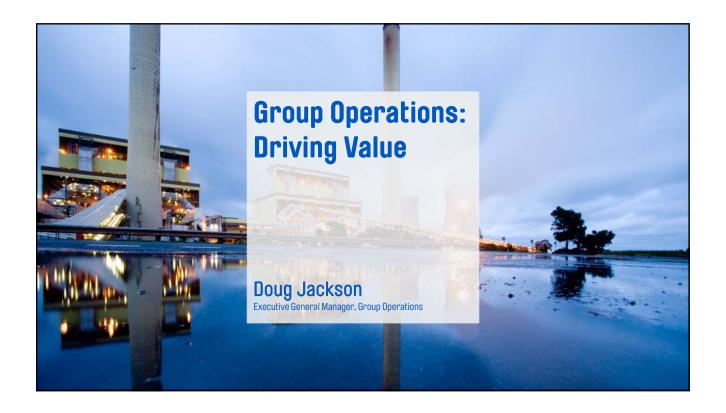








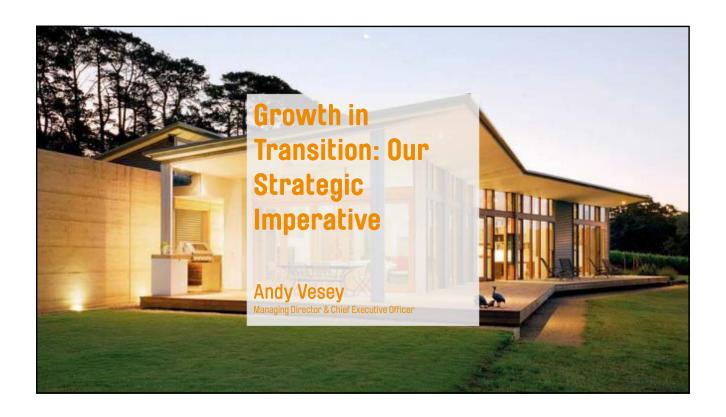






Growth in Transition: our Strategic Imperative Power Shift: AGL Scenario Planning Agile Capital: a Growth Story New Energy: Building the Innovation Accelerator

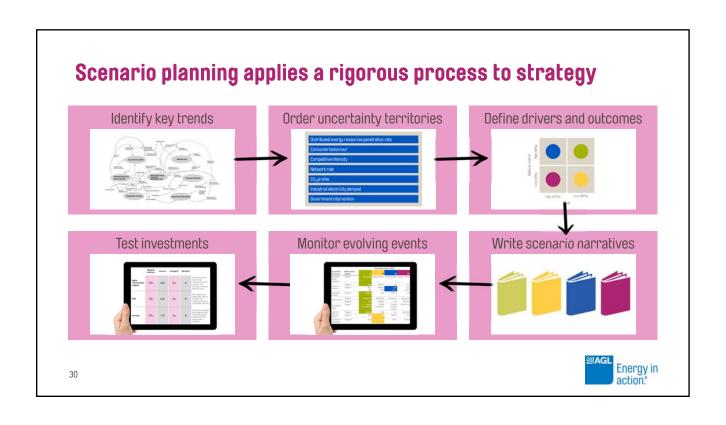


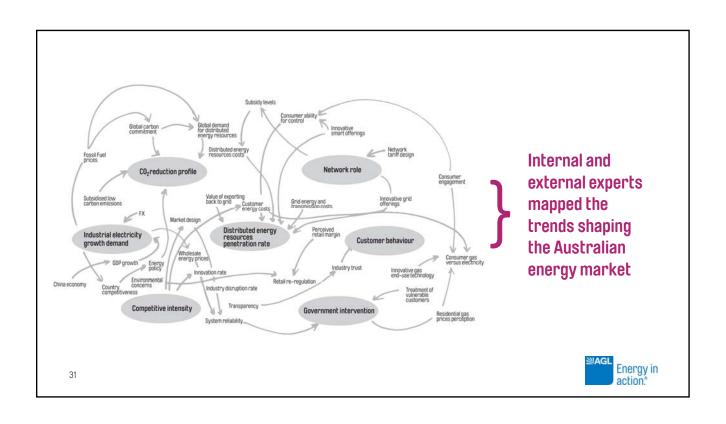


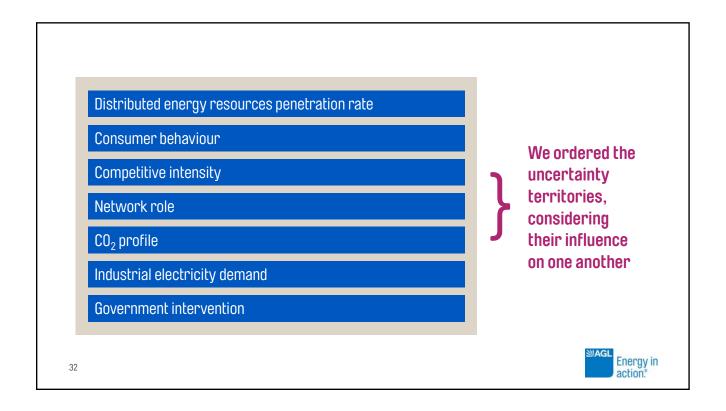
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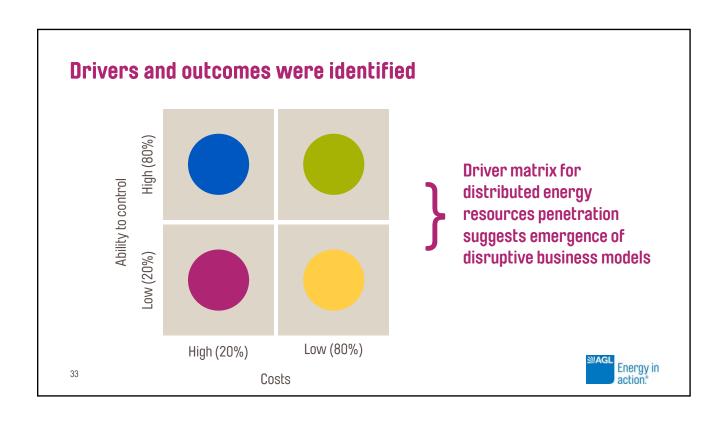


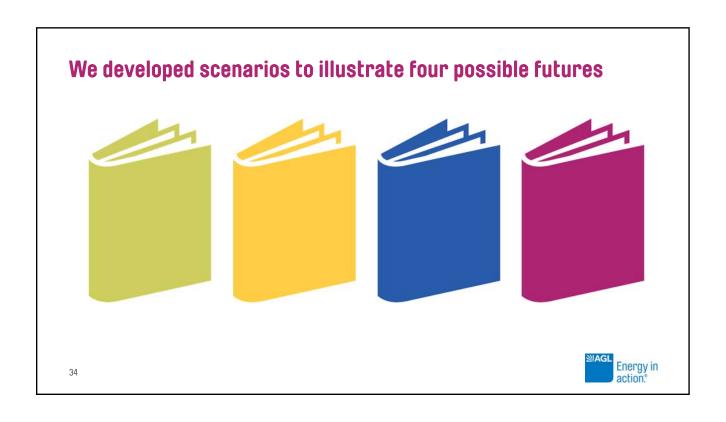




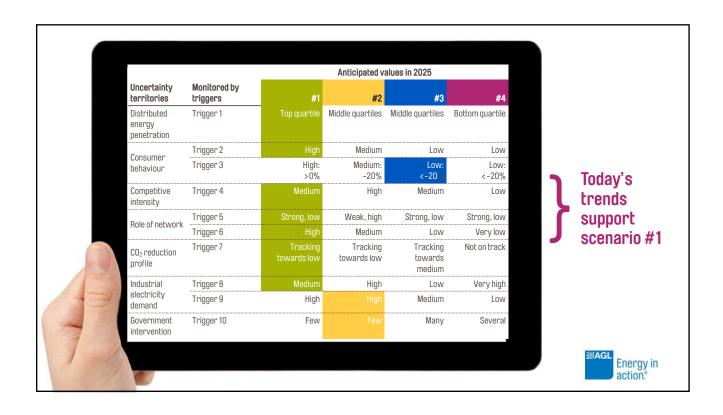


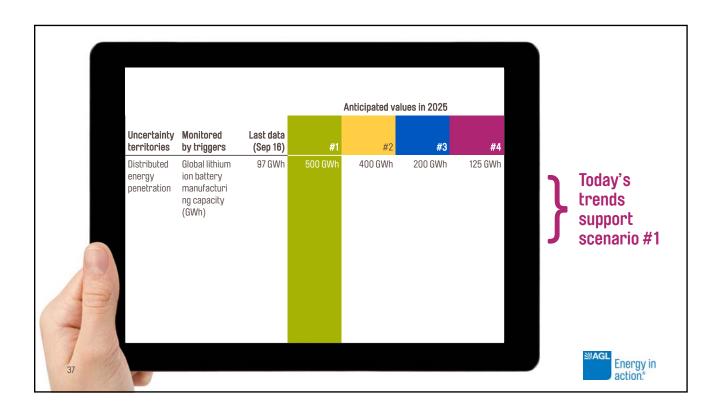


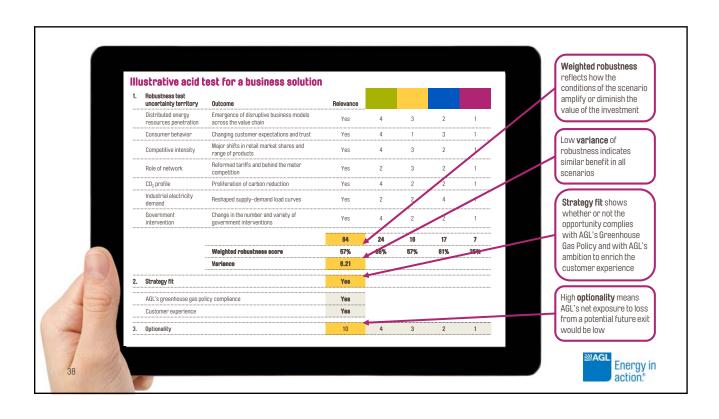




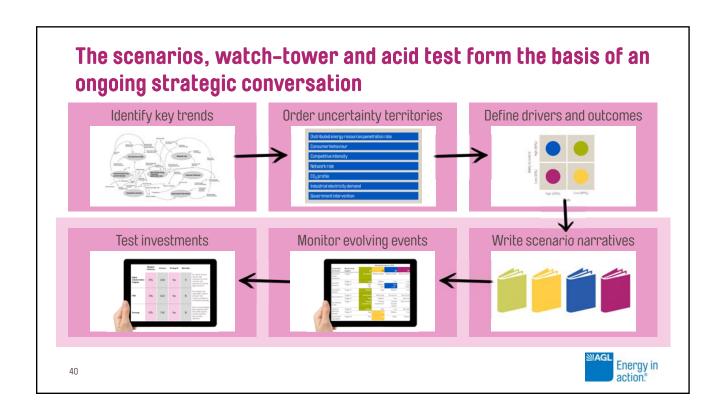








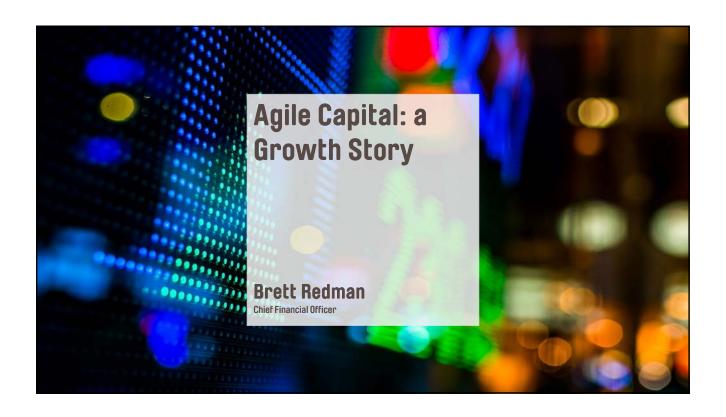
	Weighted robustness	Variance	Strategy fit	Optionality	
Digital Transformation Program	81%	4.69	Yes	11	No-regrets business decision; high robustness across all scenarios; high optionality provided by Agile framework
PARF	73%	6.92	Yes	16	Risk mitigation and capital-light; robust in all except "lilac" scenario; provides for considerable optionality
Sunverge	57%	7.45	Yes	10	Early-mover advantage; high robustness under "green" scenario; Virtual Power Plant demo provides optionality

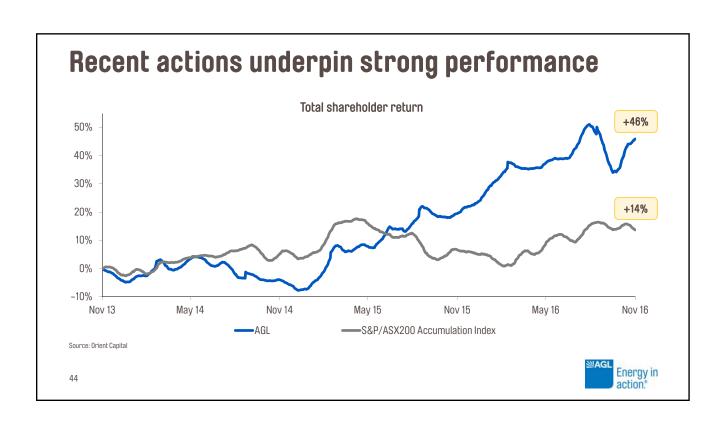


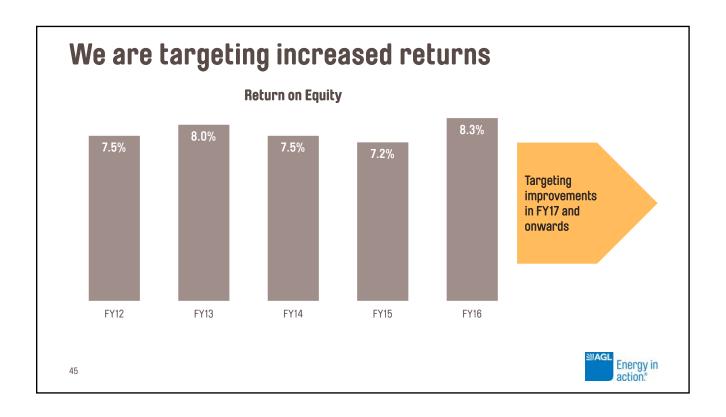


Growth in Transition: our Strategic Imperative Power Shift: AGL Scenario Planning Agile Capital: a Growth Story New Energy: Building the Innovation Accelerator









Unchanged outlook reflects strategy delivery

FY17 Underlying Profit expected to be \$720-800M¹

Primary drivers expected to be:

- > Wholesale electricity margin (phasing of benefit to reflect competitive environment, timing of retail price changes and AGL hedging profile)
- > Customer value strategy
- > Delivery of operational transformation targets

Year-on-year improvement expected to be weighted towards second half

Outlook reflects strength of AGL business despite previously disclosed challenges:

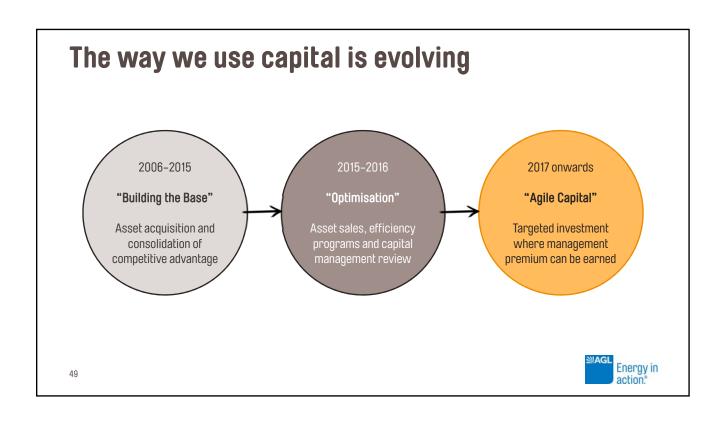
- > Unseasonably mild July/August weather
- > Anticipated reduction in gas portfolio EBIT of at least \$100M vs. FY16
- > Continued negotiations over AGL Loy Yang enterprise bargaining agreement

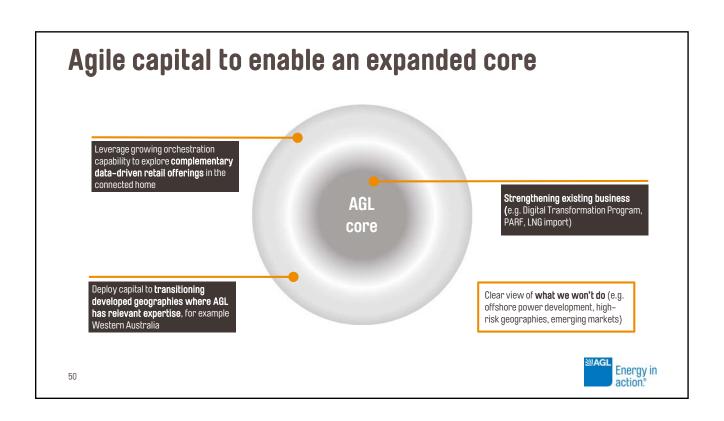
1. Subject to normal trading conditions for the remainder of FY17; Underlying Profit is after interest and tax

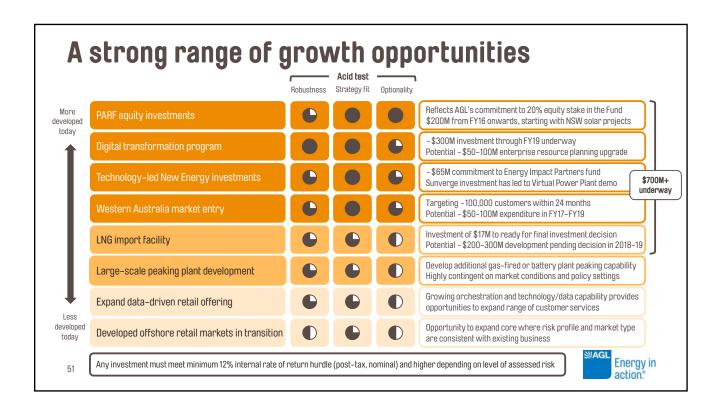




Strong cash flows position AGL to fund growth Generation and use of cash: FY15 onwards FY15 FY16 Operating expenditure \$(1,352)M \$(1,380)M FY17 base of \$1,381M reflects targeted \$170M inflation-adjusted reduction vs. FY15 EBITDA \$1,505M \$1,689M To continue to grow broadly in line with Underlying Profit EBITDA/cash conversion 101% 94% Expected to remain above 90% Cash flow from operations \$1,527M \$1,588M To continue to grow broadly in line with Underlying Profit Interest paid \$(194)M \$(172)M FY17 increase to reflect emphasis on securing long-term tenor Tax paid \$(147)M \$(166)M Cash tax rate expected to remain ~30% Sustaining capital expenditure \$(368)M \$(390)M FY17 base of \$315M reflects targeted \$100M inflation-adjusted reduction vs. FY15 \$(446)M Dividends paid \$(344)M Dividend Policy for ~75% of Underlying Profit (where 80% franking can be maintained) Cash available \$474M \$414M To continue to generate at least \$400M per year Disposals \$691M Asset sales likely to continue beyond achievement of ~\$1,000M by end FY17 \$(30)M Commitment to Energy Impact Partners fund in the region of ~\$65M Acquisitions/investments \$(1,585)M \$(139)M To increase beyond FY17 forecast base of ~\$200M in support of growth programs Growth capital expenditure \$(426)M Share issuance/buy-back \$1,210M On-market buy-back of up to 5% of issues share capital worth ~\$600M at announcement ~\$2,000M Total headroom @ Baa2 N/A Ample to support growth and announced capital management initiatives Energy in 48



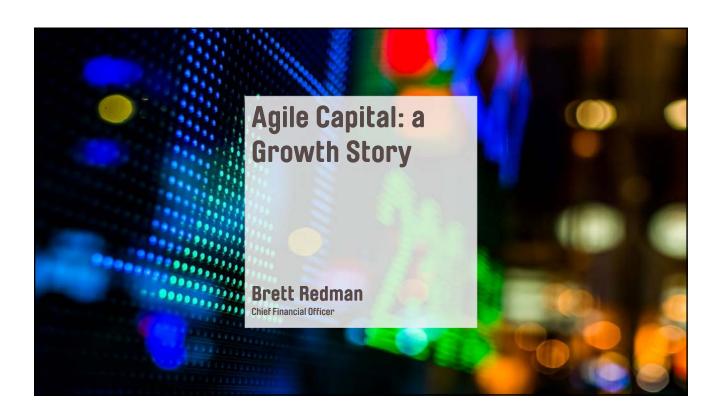


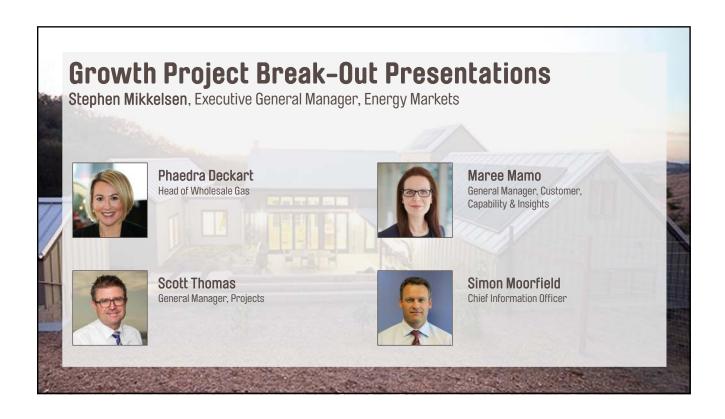


Summary of growth and return expectations

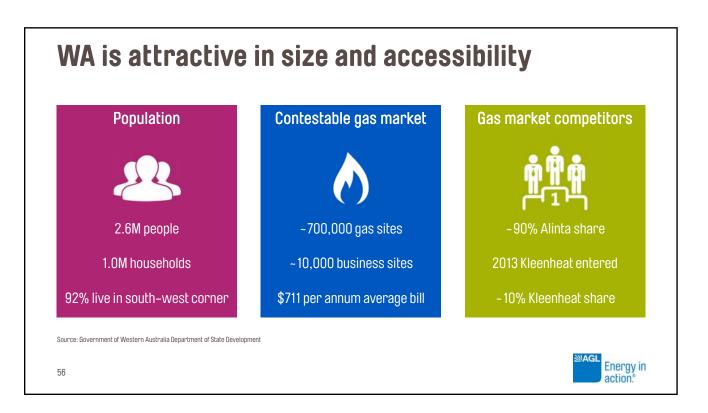
- > FY17 Underlying Profit guidance of \$720-800M equates to 8% growth at mid-point
- > New Dividend Policy targets **payout ratio of 75%** of Underlying Profit
- > Anticipated 90% or higher EBITDA/cash conversion
- > At least \$400M a year of cash being generated to support growth funding
- > Balance sheet headroom of \sim \$2B available
- > On-market buy-back of up to 5% of issued share capital: $\sim \$600M$ at announcement
- > Growth investment projects worth \$700M-plus underway
- > Targeted post-tax nominal internal rate of return > 12% on all growth investment











Changing dynamics to drive customer value focus

Gas market primed for competition



Limited competition in gas before Kleenheat entry

Competition relatively new for customers

Kleenheat has acquired 10% of market in three years

Wholesale market is responsive



AGL has investigated gas supply, transport and storage options in WA, including services that enable loads to ramp up

Market has been responsive, with offers received

Increased focus on value and cost



Mining has led economy, contributing 30% of GSP

Falling demand has halved growth from 5.0% to 2.5%

Tougher and tighter economic environment

Electricity market contestable in future



~1M residential and ~100 000 husiness site

Only ~5% contestable today (mainly in remote areas)

Source: Government of Western Australia Department of State Development

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Time to act with differentiated value proposition

AGL intent

Leverage
competitive, macro
and wholesale
environment to
acquire -100,000
gas customers in 24
months, prior to
future electricity
market deregulation

Build brand awareness

- Strong brand launch above line (TV, radio, press, billboards etc) and online
- Constant and high presence (reach) and pressure (frequency)
- ✓ Local and relevant sponsorship properties and activation

Build brand acceptance

- Build intimacy and relevance through local area and causebased marketing
- Partnerships and alliances with local gas sales and service providers
- Relationships with networks and government

How

Drive shopping behaviour

- Profile and segment market using insight from other states and data augmentation
- Develop and deliver targeted, relevant and personalised propositions to specific segments at
- Effective use of digit channels

Drive switching

 Develop unique and valuable offers for different segments that drive high appeal

behaviour

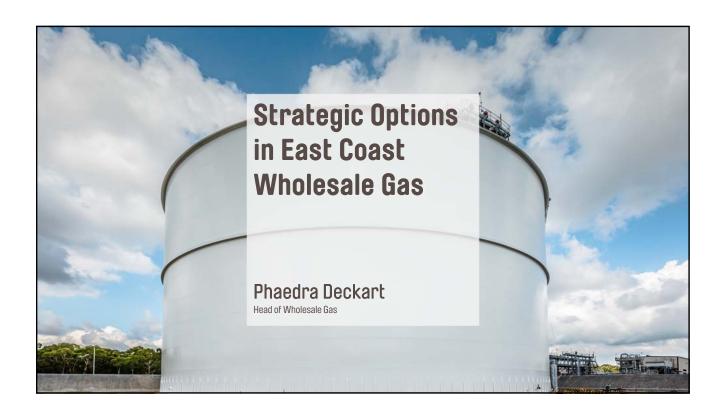
- ✓ Simple process to look for, choose an get gas from AGL
- Mix of price and values
 based on deep
 segment insight and needs

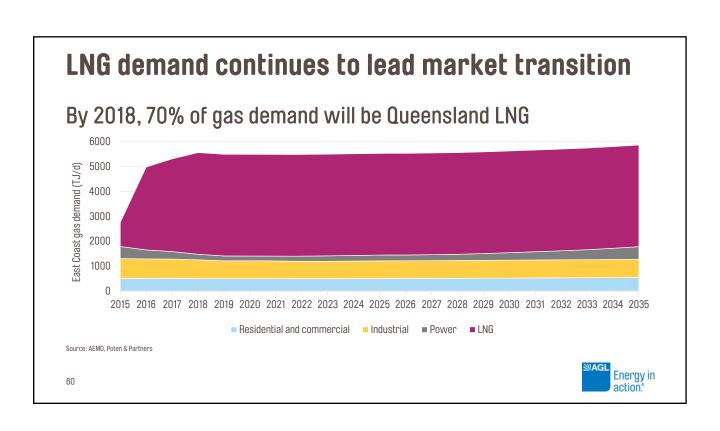
Defend share strongly

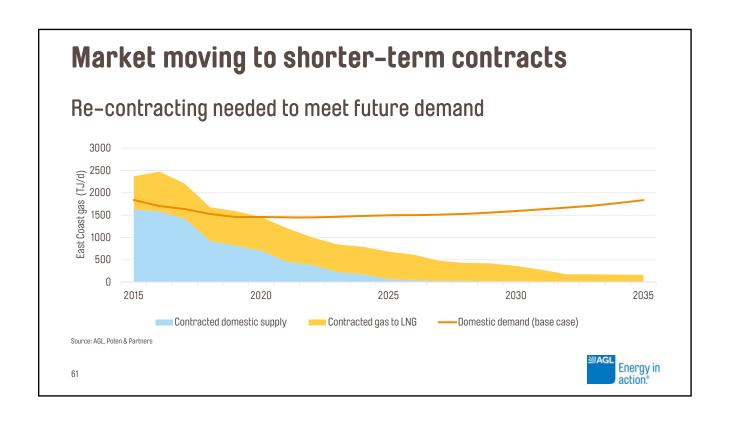
- Exceptional customer experience throughout life-cycle
- ✓ Ongoing value through loyalty and engagement to build high regret for churn
- Augmented by strong and responsive save and intervention programs

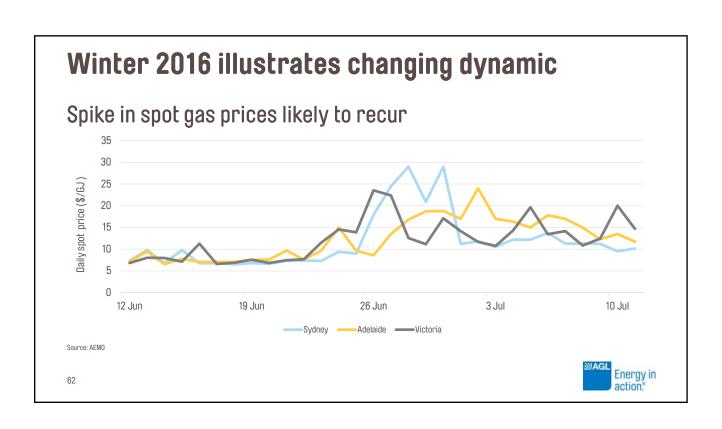
Leverage growing personalised retailing capability enabled by Digital Transformation Program

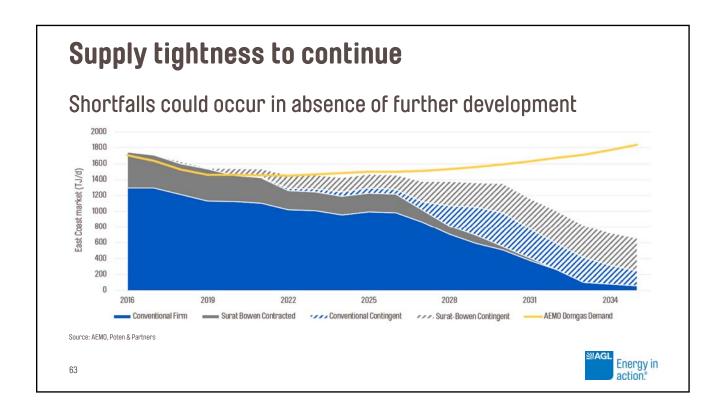












Disruption driving need for market reform

- > ACCC East Coast Gas Inquiry focus areas: transportation, transparency, liquidity
- > AGL supports increasing liquidity and transparency of trading hubs
- > Market structure should allow gas to flow to demand
- > Focus on alleviating system constraints to allow supply to meet demand is essential



Existing options for security of supply

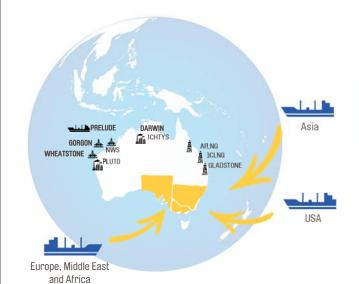
Three key areas:

Strategic options	Commentary
Status quo foundation supply	Continue to negotiate with Cooper Basin and Gippsland Basin for long-term competitive supply
Expand domestic supply	Binding heads of agreement executed with Cooper Energy to support final investment decision of Sole development Final investment decision expected early 2017
Storage	Significant storage position in Iona Peak storage at Newcastle and Silver Springs positions AGL portfolio for seasonal demand

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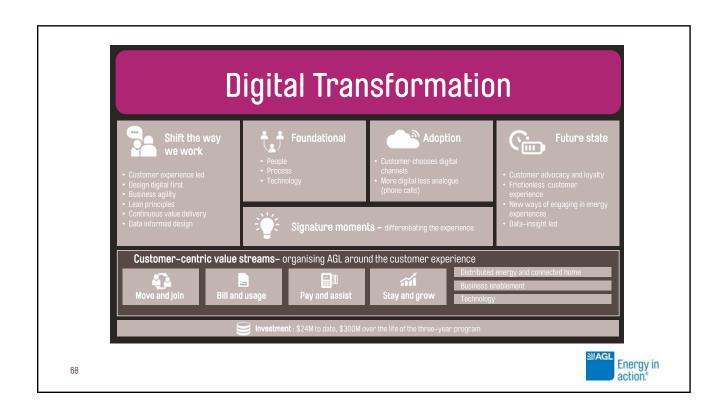
LNG import facility a fourth option of interest

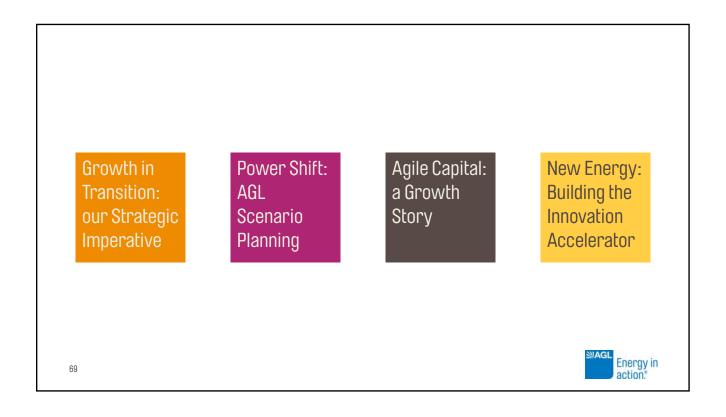


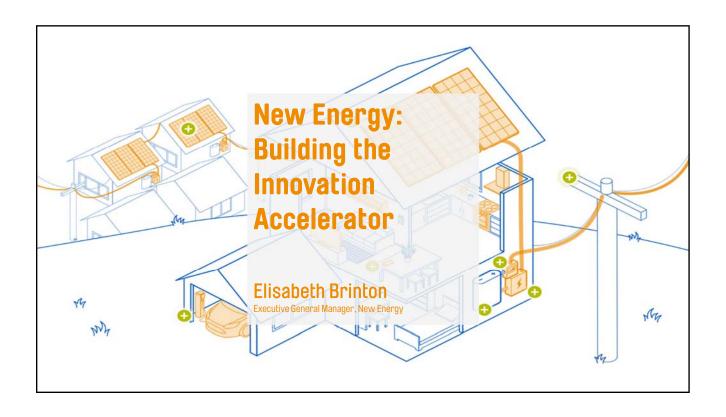
- AGL investing \$17M to ready project for final investment decision in 2018-19
- > Potential development cost of \$200-300M
- > A number of sites identified
- > Terminal could be available by 2021
- Regulatory and community engagement to commence in early 2017

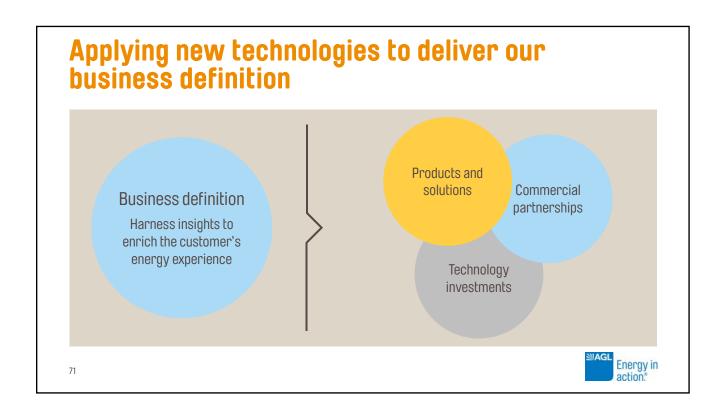
Energy in action.*

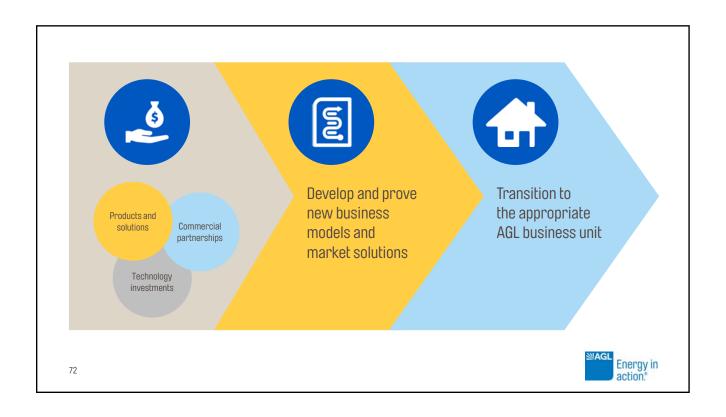


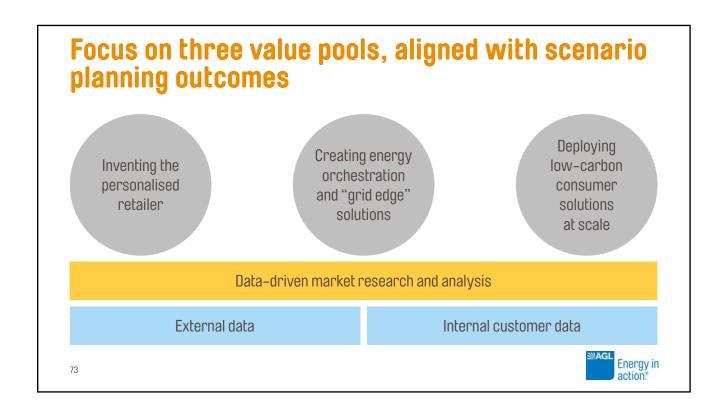




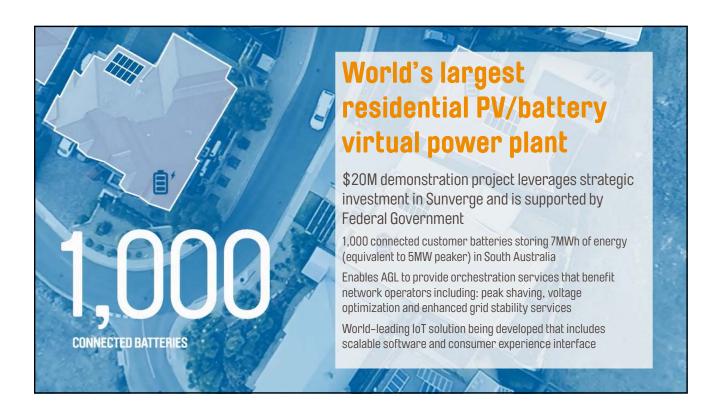






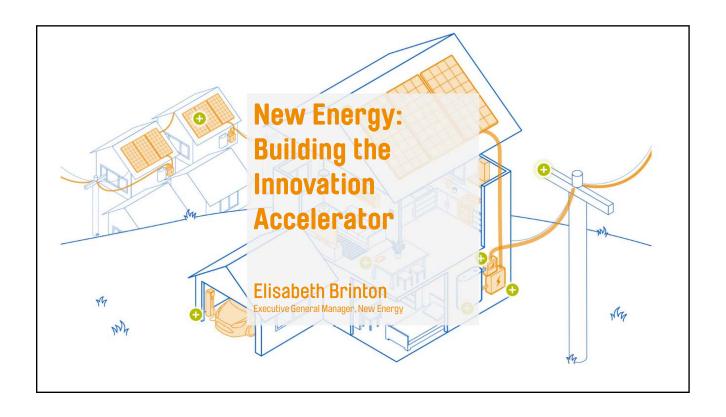






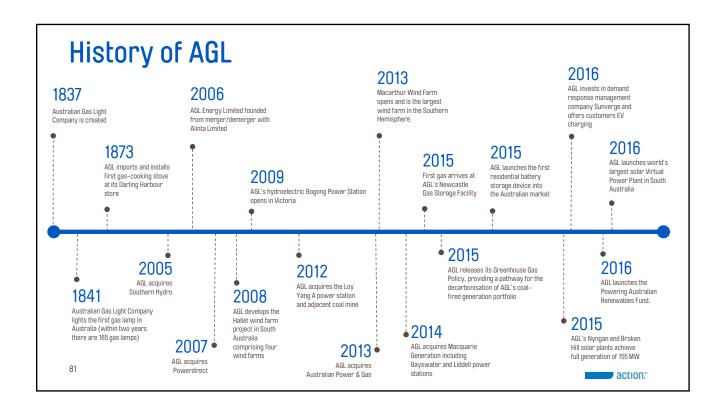














AGL operations and key generation capacity

OPERATIONAL OVERVIEW

- Total customer accounts 3.7¹ million accounts
- 2.2 million electricity
- 1.4 million gas

- 2.0 million dual fuel accounts

Key generation capacity² • 10,409 MW total owned / operated

- Energy sales (FY16)
- Electricity ~ 37,839 GWh
- Gas ~ 234 PJ



Customer accounts

- 533,000 gas
- 636,000 electricity

Key generation capacity

- Loy Yang A 2,210 MW
- Somerton OCGT-150 MW
- Macarthur Wind 420 MW
- Oaklands Hill Wind 63 MW
- VIC Hydro 743 MW

Customer accounts

- 132,000 gas
- 408,000 electricity

Key generation capacity

- Hallett Wind Farms 351 MW
- Torrens Island Power Station-Gas -1,280 MW
- Wattle Point Wind Farm 91

Customer

accounts

• 79,000 gas

• 395,000

electricity

Customer accounts

- 674,000 gas
- 808,000 electricity

Key generation capacity

- Bayswater 2,640 MW
- Liddell-Coal 2,000 MW
- NSW Hvdro 53 MW
- Broken Hill Solar 53 MW
- Nyngan Solar 102 MW

ACT

ActewAGL

Partnership between AGL and Icon Water Limited where AGL holds 50% of ActewAGL's retail business

Customer accounts

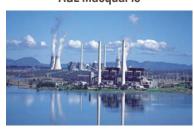
- 134,000 gas
- 195,000 electricity



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Thermal generation portfolio

AGL Macquarie



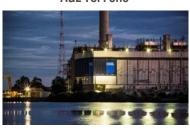
- Capacity: 4,960 MW
- Bayswater power station 2,640 MW
- Liddell power station 2,000 MW
- Hunter Valley gas turbines 50 MW
- ~13% of eastern Australia's electricity supply
- · Fuel: black coal
- Location: ~240km from Sydney, between Singleton & Muswellbrook in NSW's Hunter Valley
- Age: Bayswater 1985, Liddell 1971
- · Committed closure dates under AGL Greenhouse Gas Policy:
- Bayswater 2035
- Liddell 2022

AGL Loy Yang



- Capacity: 2,210 MW
- ~30% of Victoria's electricity supply
- Fuel: brown coal
- Comprises Loy Yang A power station and adjacent Loy Yang coal mine
- Annual mine output of ~30 million tonnes of coal
- Location: 165km south east of Melbourne near Traralgon in Victoria's Latrobe Valley
- Age: Completed between 1984 –1988
- · Committed closure date under AGL Greenhouse Gas Policy - 2048

AGL Torrens



- Capacity: of 1,280 MW
- -30% of South Australia's electricity supply
- Fuel: natural gas
- Location: 18km from Adelaide
- Age: 'A' station 1967, 'B' station 1976

Energy in

Coal supply position

AGL Macquarie

- Coal sourced from Peabody's Wilpinjong mine, BHP Billiton's Mt Arthur mine and Glencore's Mangoola mine
- Significant strategic coal advantage
 - Strong contractual position with coal suppliers
 - Access to multiple low-cost coal mines
 - Ability to burn low-cost non-export quality coal
 - Upper Hunter Valley location provides strategic rail access and state of the art unloading infrastructure
 - Low rail haulage cost and significant existing delivery infrastructure provides competitive advantage in coal procurement

AGL Loy Yang

- Coal sourced from AGL Loy Yang mine, largest brown coal mine in Australia
- Significant strategic benefits of ownership
 - Control of fuel source
 - No haulage requirement; only cost is cash cost to mine
 - Full flexibility on managing generation levels
 - Full control and visibility over mine capex program
 - No re-contracting risk

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Renewables portfolio and funding

Wind

 Seven wind farms in South Australia and Victoria with installed capacity of 925 MW

Solar

 Nyngan and Broken Hill solar plants in NSW with installed capacity of 155 MW

Hydro

 Hydroelectric power stations in Victoria and NSW, with three primary schemes located in the Kiewa, Dartmouth and Eildon catchments with total installed capacity of 796 MW



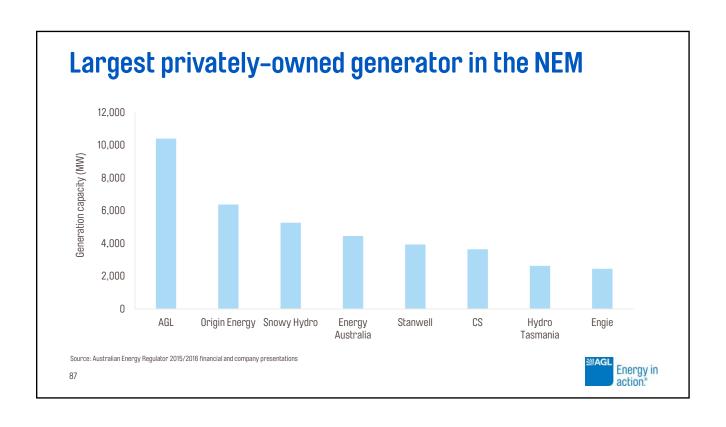
Powering Australian Renewables Fund (PARF)

- \$2-3B fund devised to own ~1,000 MW of large-scale renewable projects
 - Nyngan and Broken Hill solar plants as seed assets
 - AGL Silverton and Coopers Gap wind projects progressed as priority projects
 - Leveraging AGL's development pipeline and project management
- AGL to contribute equity of ~\$200M
- July 2016 announcement confirmed QIC committed \$800M of equity on behalf of its clients including Future Fund









Asset	State	Туре	Status	Net Capacity (MW)	Carbon intensity (tCO₂e/MWh)	FY16 Sent out Generation (GWh)
Bayswater	NSW	Coal	Owned	2,640	0.95	16,849
Liddell	NSW	Coal	Owned	2,000	1.01	7,640
Loy Yang	VIC	Coal	Owned	2,210	1.28	14,395
Total Coal				6,850		38,884
Torrens Island	SA	Gas Steam Turbine	Owned	1,280	0.62	2,447
Diamantina ¹	QLD	Combined Cycle Gas Turbine	Sold	N/A	N/A	643
Yabulu	QLD	Combined Cycle Gas Turbine	Control Dispatch	121	0.51	75
Somerton	VIC	Combined Cycle Gas Turbine	Owned	150	1.00	12
Other ²	Various	Gas/Diesel	Various	88	0.54	244
Total Oil and Gas				1,639		3,421
Macarthur	VIC	Wind	Control Dispatch	420	0.00	989
Hallett Wind Farms	SA	Wind	Control Dispatch	351	0.00	1,147
Wattle Point	SA	Wind	Control Dispatch	91	0.00	259
Oaklands Hill	VIC	Wind	Control Dispatch	63	0.00	163
VIC Hydro	VIC	Hydro	Owned	743	0.01	1,134
NSW Hydro	NSW	Hydro	Owned	53	0.00	30
NSW Solar	NSW	Solar	Owned	155	0.01	316
Other ³	Various	Landfill & Biogas	Various	44	0.09	133
Total Renewable				1,920		4,171
Generation Portfolio as at 30 J	une, 2016			10,409	0.95	46,476
NEW Industry Average					0.90	

