ASX statement



17 June 2009

Attached is a presentation to be made today by Jeff Dimery, Group General Manager Merchant Energy, at the UBS Australian Resources, Energy & Utilities Conference.



Paul McWilliams Company Secretary



AGL Energy Limited

Renewables...

Early Mover Advantage

Jeff Dimery
Group General Manager, Merchant Energy

UBS 7th Australian Resources, Energy & Utilities Conference June 2009



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Agenda

- > About AGL Energy Background & Strategy
- > Renewables & Carbon: Policies & Industry Impacts An Update
- > AGL Renewables & Carbon: Positioning & Opportunities
- Way Forward
- Question & Answer



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About AGL Energy



About AGL Energy

Australia's largest integrated renewable energy company.

- Australia's largest private owner, operator & developer of renewable generation
- > Australia's largest, diversified (geography, fuel & mix) generation portfolio
- > Australia's largest natural gas & electricity customer base
- A world class, scaleable customer management & billing system (Phoenix SAP solution)
- Australia's largest contracted gas portfolio & emerging positions in new Coal Seam Gas (CSG) developments
- > Industry leading portfolio of renewable & thermal development projects
- > S&P/ASX50 stock with market capitalisation of ~A\$6.2 billion
- > BBB investment grade credit rating (Standard & Poor's)









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AGL Energy Today – Asset Profile

OPERATIONAL SNAPSHOT

Retail Customer Accounts

- 3.22 million accounts
 - 1.42 million gas
 - . 1.8 million electricity
 - 1.19 million dual-fuel

Current Generation

- ~3,510 MW owned and / or operated
- ~350 MW renewable under construction

New Generation Developments

- ~2,000 MW identified renewables
- ~5,200 MW identified gas

Current Gas Reserves1

- ~3,100 PJ contracted gas
- ~680 PJ equity gas

Energy Sales

- Electricity ~37 TWh p.a.
- Gas ~230 PJ p.a.

Other

- Generation Renewables ~100MW (Australia-various)
- Cogen, landfill gas, photovoltaic and bagasse

Gas - Galilee Basin (Australia – QLD)

- Investment in CSG production pilot and exploration appraisal program in Galilee Basin
- 50% interest in exploration tenement ATP529P

Gas - Innamincka (Australia – SA)

 Farm-In to permits PEL101 & PEL103 and 10 year gas marketing agreement

Geothermal - Torrens Energy (Australia - SA)

 9.9% investment in Geothermal developer with associated Geothermal development agreement

Retail - ActewAGL (Australia - ACT)

- 50/50 Joint Venture with Actew Corporation
- Australian Capital Territory's (ACT) leading multi utility offering electricity, natural gas, water, wastewater and telecommunication services

Gas - CSM Energy (Australia):

- 35% investment in coal mine methane extraction company
- 1. 1 PJ (Petajoule) = ~0.95 BCF (billion cubic feet)

QUEENSLAND

Customer Accounts

- 83,600 gas
- 363,100 electricity

Generation

- Yabulu Gas 121 MW (50% dispatch rights)
- Oakey Gas 282 MW (100% dispatch rights)
- Moranbah Gas 12 MW

Upstream Gas

- Moranbah Project 416 PJ (50% equity)
- Spring Gully 6 PJ (various % equity)
- Bowen / Surat Basin 1,164 PJ (contract)
- North QLD 240 PJ (contract)



NEW SOUTH WALES

Customer Accounts

- 764,300 gas
- 318,100 electricity

Generation

Hydro - 62.2 MW

Upstream Gas

- Gloucester Basin (100% equity) 175 PJ
- Sydney Basin (100% equity) 82 PJ

ACT (ActewAGL) 50/50 JV

Customer Accounts

- 112,200 gas
- 155,700 electricity

VICTORIA

Customer Accounts

- 492,100 gas
- 659,900 electricity

Generation

- Hydro 583.3 MW
- Bogong / McKay Expansion 150 MW (construction)
- Somerton Gas 150 MW
- Loy Yang A Coal 689 MW (32.5% equity)

Upstream Gas

- Gippsland Basin 931 PJ (contract)
- Otway Basin 270 PJ (contract)

SOUTH AUSTRALIA

Customer Accounts

- 78,500 gas
- 463,700 electricity

Generation

- Torrens Island Gas 1,280 MW
- Hallett 1 wind farm 94.5 MW (off take)
- Hallett 2 wind farm 71.4 MW (construction)
- Hallett 4 wind farm 132 MW (construction)
- Wattle Point wind Farm 90.8 MW (off-take)
- Angaston Diesel 49 MW (off take)

Upstream Gas

Cooper Basin – 414 PJ (contract)

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The Integrated Strategy

Balancing risk between upstream supply, retail markets & providing access to multiple profit pools.

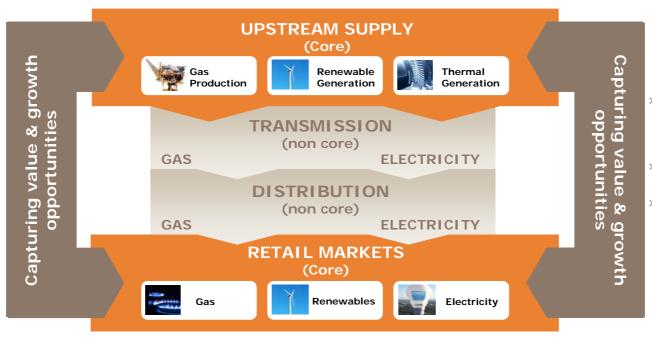
Upstream Gas:

Direct ownership of ~2,000 PJ (2P) over the medium term

Essentially CSG strategy

Disciplined decision around trade-off between acquiring gas and EPS impacts

Will continue to contract if achieves superior outcome



Generation:

- Currently ~3,510 MW of capacity owned and/or operated (plus ~350MW under construction)
- Medium term target of ~6,000 MW
- Achieve 60-70% of load (capacity) internally covered to deliver desired portfolio outcomes

Market Leadership:

- > Ultimate focus on managing and growing margin, not specific customer number targets
- > Customer base / channel to market important in leveraging upstream strategy & achieving retail economies of scale
- > Potential base of 4 to 5 million customers given any participation in NSW privatisation
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Renewables & Carbon:

Policies & Industry Impacts – An Update



Proposed Legislative Changes

Federal Government proposing two schemes – Expanded Renewable Energy Target (RET) & Carbon Pollution Reduction Scheme (CPRS).

Expanded RET

Legislation currently before Commonwealth Parliament

Commences 1 January 2010 – Council Of Australian Governments (COAG) agreement 30 April 2009

Key value driver of renewable industry – remains on track

CPRS

Government proposing delayed start to 1 July 2011

Additional assistance for Emissions Intensive Trade Exposed Industries

Fixed price of \$10 per tonne CO₂ in first year

Details of CPRS must be resolved to provide investment and market certainty

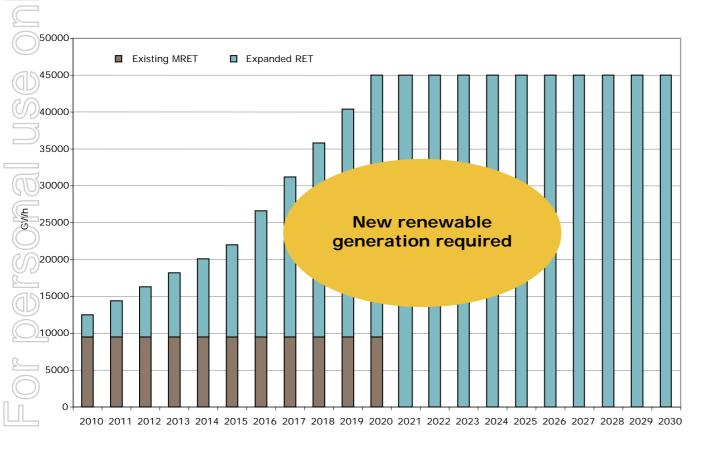


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Expanded RET drives Growth

AGL renewable portfolio to deliver material upside.

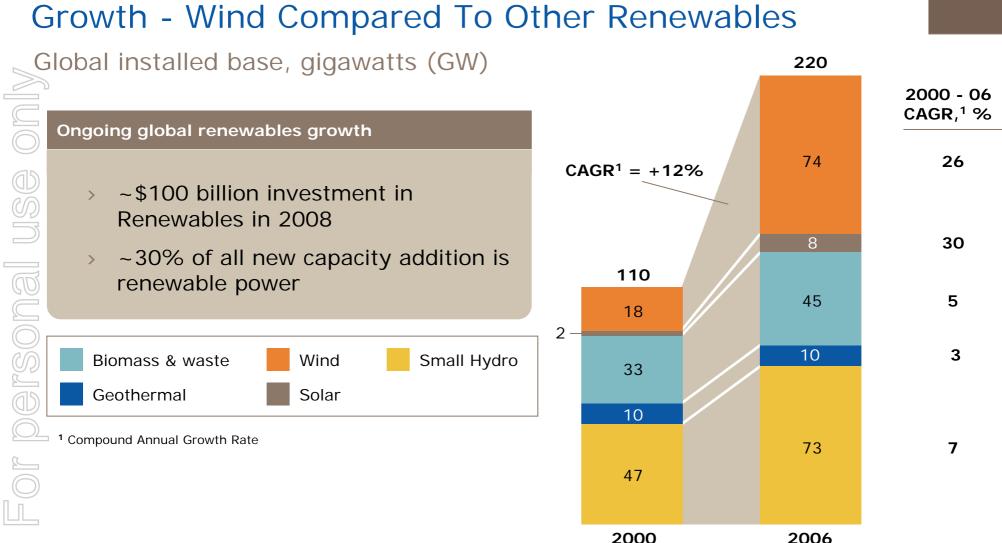


- Additional 35,500 GWh pa of renewable energy required to meet expanded target of 45,000GWh pa
- > Legislation (Bill) would:
 - Extend full target of 45,000 GWh pa out to 2030
 - » Increase RET penalty to \$65 (\$93 pre-tax)
 - » Provide assistance to large energy intensive trade exposed industries
- AGL renewable portfolio to benefit from rising REC & electricity prices

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Growth - Wind Compared To Other Renewables



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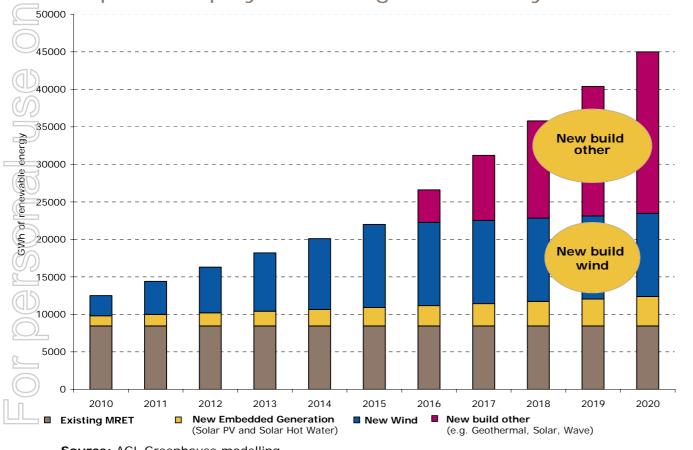
Source: McKinsey on Electric Power & Natural Gas: Number 1, Winter 2008

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Required Renewables Growth

Wind will dominate early build - geothermal & other technologies anticipated to play increasing role in out years.



- AGL has a leading portfolio of development options across all major renewable technology groups
- Largest privately owned hydro portfolio in Australia
- Significant portfolio of wind development opportunities provides immediate access to lowest cost commercial deployable technology today
- Longer term, technologies such as geothermal are likely to play a key role in renewable base load generation
- Economics of a number of geothermal prospects impacted significantly by transmission costs

Source: AGL Greenhouse modelling

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Positioning & Opportunities



Renewables & Carbon: First Mover Advantage

EXISTING AGL STRATEGY RECENT GOVERNMENT POLICY POSITIVE AGL OUTCOMES
First mover advantage developing pipeline of renewable energy opportunities Legislation drafted for expansion of Renewable Energy Target to 45,000 GWh in 2020 Construction and identified development pipeline of up to ~2000 MW
Investing in emerging renewable Establishment of \$500 million Renewable (Torrens Energy), investigating other technologies Energy Fund emerging opportunities
Early mover investment in renewable Carbon Pollution Reduction Scheme Generation portfolio value to be (CPRS) proposed to be introduced in 2011 positively impacted
Work with Loy Yang A to ensure investment value maximisation Draft legislation proposes Electricity Sector Adjustment Fund (ESAF) to assist coal fired generators Transitional assistance through ESAF for Loy Yang A
Develop skills in international and domestic emissions trading Draft legislation proposes international linkages through Kyoto mechanisms First and only Australian utility to trade on Chicago Climate Exchange, instigated domestic carbon trading ahead of CPRS introduction

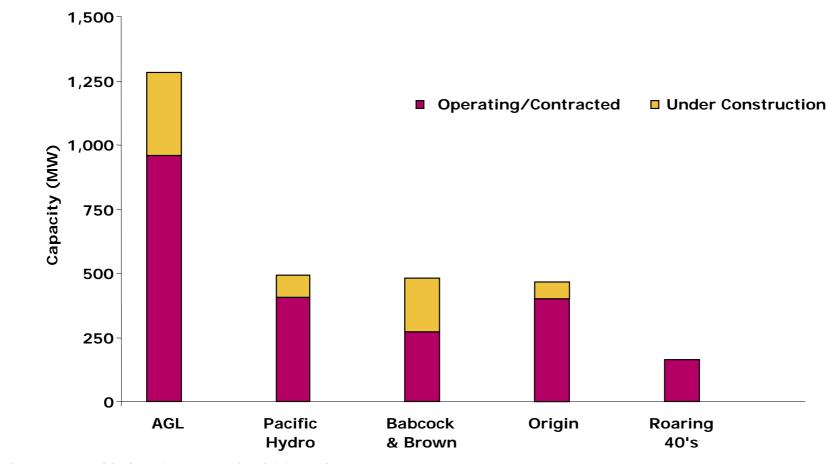
FIRST MOVER ADVANTAGE

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Renewable Generation – Key Domestic Players

AGL first mover advantage dominates private investor space. For personal use only



Source: NEMMCO, Geoscience Australia, Origin & AGL



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AGL – Wind Growth Pipeline

Developing a portfolio with strategic depth and optionality.

	PROJECT	NOMINAL CAPACITY (MW)	LOCATION	ТҮРЕ	PROJECT STATUS	DEFINITION
	Hallett 2	71	SA - Hallett	Wind	Under Construction	Committed
_	Hallett 4	132	SA - Hallett	Wind	Under Construction	Committed
lo n	Hallett 3	80	SA - Hallett	Wind	In Development	Probable
rat	Oaklands Hill	63	VIC - West	Wind	In Development	Probable
Generation	Hallett 5	50	SA - Hallett	Wind	Permitted	Possible
9	Macarthur	330	VIC - West	Wind	JV with Meridian	Possible
Renewable	Coopers Gap	300	QLD - Kingaroy	Wind	Landowner Agreements in place	Possible
	Crows Nest	150	QLD - Toowoomba	Wind	Permitted	Possible
	Worlds End	180	SA - Burra	Wind	Permitted	Possible
Re	Ben Lomond	150	NSW - Armidale	Wind	Landowner Agreements in place	Possible
_	Other	4 Projects totalling up to 720	Various	Various	Under Review	Possible

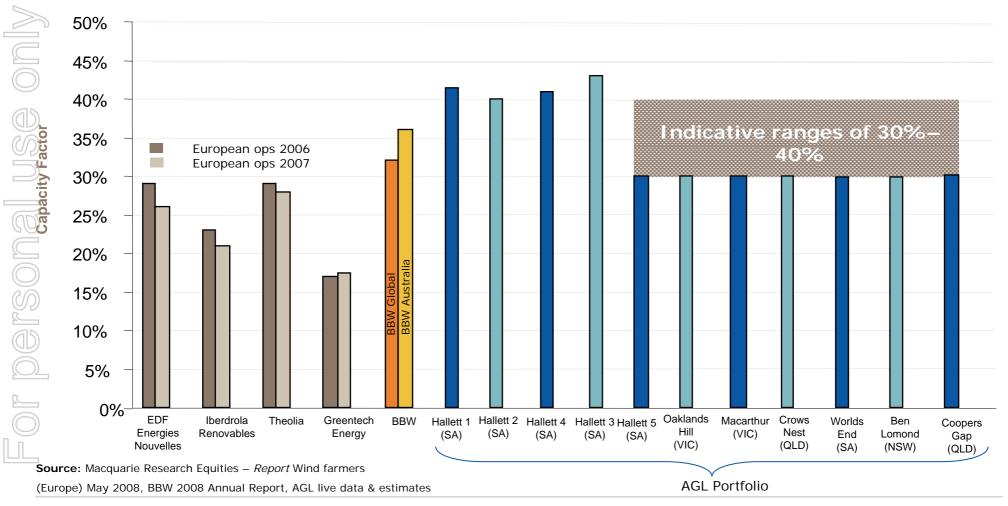
Probable Projects: Projects which are under development with an approved budget and pending final investment decision

- > Possible Projects: Projects where AGL holds rights to the sites and/or where the final investment decision is expected to be in excess of 12 months
- > CAPEX: Current AGL indicative installed capex for wind is approximately \$2.7m to \$2.9m / MW
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Wind Capacity Factors - Global

AGL portfolio has world class wind resource.



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Wind Farm Development Process (off balance sheet option)

AGL maintains 'off' and 'on' balance sheet development optionality.

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1. Site assessment

- wind resource
- grid proximity
- landholder exclusivity agreements

2. Wind farm optimisation

- site layout
- equipment / turbine requirements

- 3. Regulatory
- Development approval and EPBC (Environmental, Protection, Biodiversity & Conservation Act).
- 4. Contractual
- Construction contracting (EPC), transmission connection and site leases

5. Formulate 25 year capacity offtake agreement for RECs and electricity produced

- Based upon current market pricing
- Upside to future REC / electricity price appreciation retained by AGL
- 6. Formulate 25 year asset management agreement

Financia Process

7. Project sold with offtake and asset management agreement to annuity investor

- Annuity investor (owner) funds remaining capex / construction from date of sale
- AGL maintains construction risk until construction completion
- AGL takes operating risk from end of construction

8. Sale price as bid by annuity owner (valuation based on cash flows of 5. & 6.) less AGL total project forecast construction costs = Development Profits

- Development profits booked on percentage of completion basis in AGL accounts
- Paid in cash
- Construction process typically 18 to 24 months, depending on size



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Key Value Drivers



Renewable Generation - Geothermal

Potential to deliver meaningful base load.

AGL holds 9.9% equity interest in ASX listed Torrens Energy (TEY)

AGL and TEY have 50/50 Geothermal Alliance Agreement to commercialise base load projects

TEY permits all adjacent to transmission grid

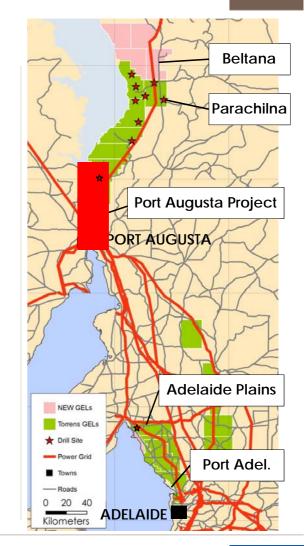
Recent heat flow rates promising

TEY responsible for exploration activities providing AGL option to farm-in at permit & project level

TEY sole fund upfront exploration & geothermal assessment of first deep well (Confirmation Well)

AGL may elect to sole fund drilling the Confirmation Well to earn a 50% interest in project and Geothermal Exploration Licence (GEL)

AGL will have right to purchase all geothermal energy





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Renewable Generation - Hydro

Bogong & McKay Creek (peaking plant) expansion.

- Australia's last, large scale hydro opportunity
- A\$240m, Bogong 140MW peaking plant in Kiewa Valley, Victorian Alpine region
 - » minimises environmental impacts with 6.5 kilometre underground tunnel
 - » also results in 10MW McKay Creek upgrade
- Forms part of Kiewa Scheme
- On schedule for completion November 2009
- or personal Once complete, Kiewa Scheme will represent approximately 50% (390MW) of total AGL hydro capacity (790MW)
 - » fully discretionary
 - drought resilient inflows during current drought still result in full water replenishment 2 to 3 times annually

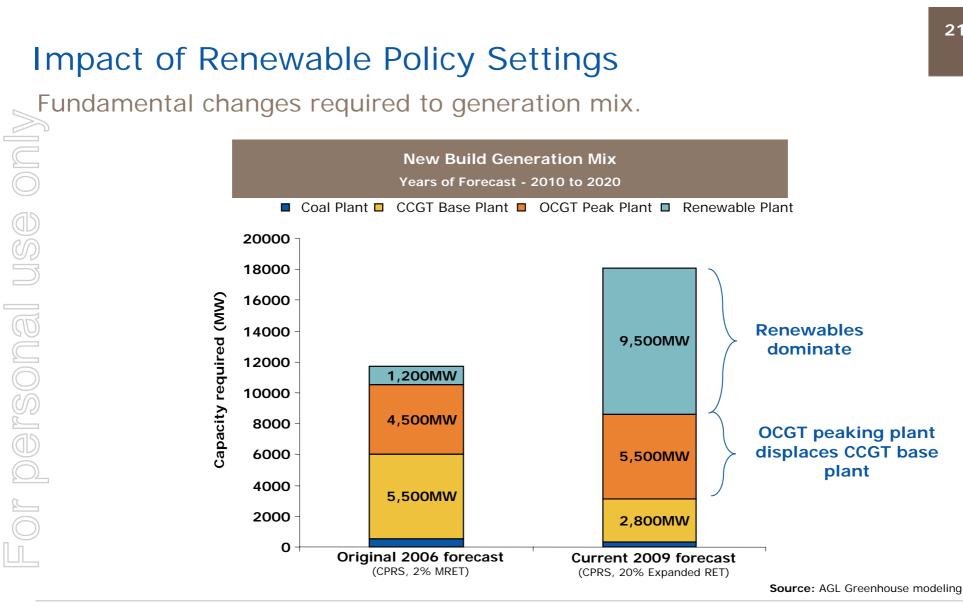






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Gas Generation – Growth Pipeline

Developing a portfolio with strategic depth and optionality.

	PROJECT	NOMINAL CAPACITY (MW)	LOCATION	ТҮРЕ	PROJECT STATUS	DEFINITION
GAS GENERATION	Leafs Gully	360	NSW - Appin	Gas Peaker	In Development, Development Application being assessed	Probable
	Tarrone	500	VIC - West	Gas Peaker	In Development	Probable
	NQ Peaker	360	Nth QLD - Townsville	Gas Peaker	Site Acquired	Possible
	SEQ1	360	SE QLD - Ipswich	Gas Peaker	Site Secured	Possible
	SEQ2	350/800	SW QLD - Kogan	Gas Peaker / CCGT	Site Acquired	Possible
	ACT Peaker	500	ACT	Gas Peaker	Pre-Feasibility	Possible
	Other	4 Projects totalling up to 2,010	Various	Gas Peakers	Sites Secured	Possible

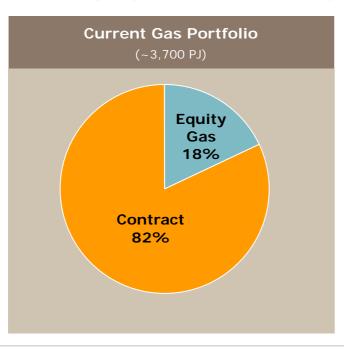
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- > CAPEX: Current AGL indicative installed capex for Open Cycle Gas Turbine (OCGT) plant (peaking) is approximately \$0.7m to \$0.9m / MW
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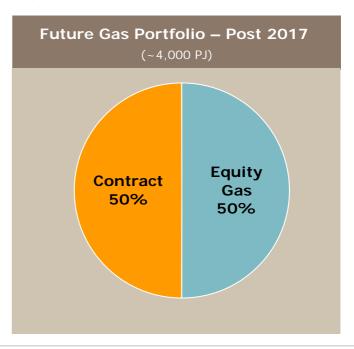


Upstream Gas - Duration & Flexibility

Delivering on medium term strategic target of 2,000PJ equity gas.

- Domestic gas strategy focus
- > Existing portfolio flexibility allows timely development of gas production projects
 - AGL will continue to be a significant contractor of wholesale gas
 - Anticipate existing investments & Gloucester, Sydney Basin/Hunter, Galilee & Innamincka interests together with ongoing wholesale contracting will satisfy long term supply requirements post 2017





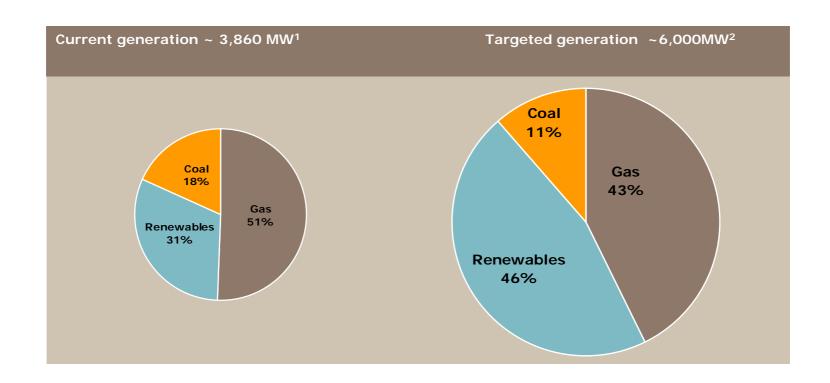
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A Carbon Effective Generation Portfolio

Current & future AGL generation portfolios are well positioned in a carbon constrained environment.



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NSW Privatisation



NSW Privatisation

Disciplined approach to industry consolidation opportunity.

- Support privatisation awaiting final detail of structure
- > Support Gentrader model risk allocation details key
- Depending on final structure, AGL remains interested in retail and/or gentrader assets
- AGL's SAP retail solution (Phoenix) completely scaleable for any combination of retail assets
- AGL's NSW market position makes organic growth a viable alternative
- Regulatory price settings a key valuation issue for retail businesses
 - » Recent IPART draft (electricity) decision 'directionally' correct















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Question & Answer

