AGL Energy Limited

AGL Hallett Wind Farm Portfolio Equity Investor Tour



South Australia April 2009

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Agenda

> Wind Generation Overview

Ken Woolley - General Manager, Power Development

> Hallet 1 & 2 Construction

Adam Mackett - Project Manager, Power Development

> Future Site Developments

Tim Knill - Project Manager, Power Development

Question & Answer



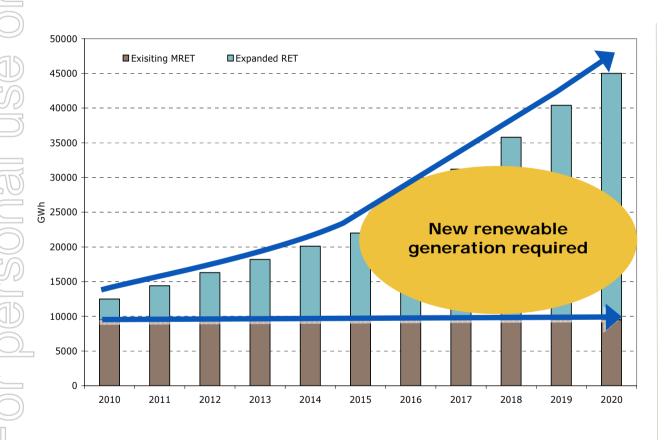
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Required Renewables Growth

Expanded Renewable Energy Target (RET) Drives Growth



- New federal Government Policy
 by 2020 an additional 35,500
 GWh p.a. of renewable energy
 required to meet the target of 45,000 GWh p.a.
- If all new capacity is wind, implies ~12,000 MW of new renewable capacity
- AGL's leading existing renewable portfolio & development options will deliver material upside via REC and black electricity price appreciation under Expanded RET & Carbon Pollution Reduction Scheme

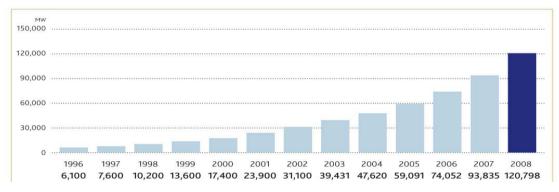
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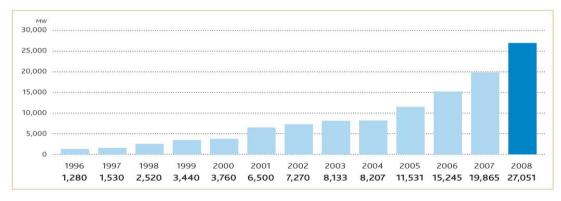
Wind - Global Capacity Growth

As the most proven, economically scaleable renewable, winds global growth continues exponentially

GLOBAL CUMULATIVE INSTALLED CAPACITY 1996-2008



GLOBAL ANNUAL INSTALLED CAPACITY 1996-2008



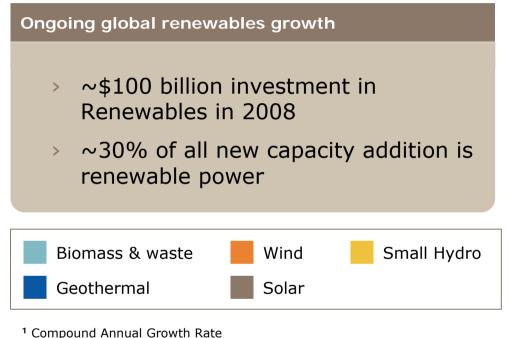
Source: Global Wind Energy Council - Global Wind 2008 Report

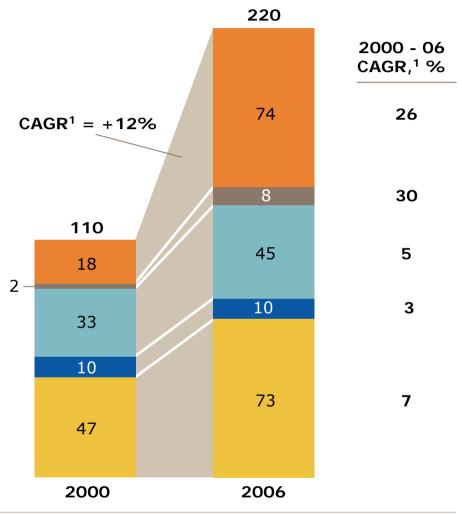
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Growth - Wind compared to other renewables

Global installed base, gigawatts (GW)





Source: IEA WEO 2006

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AGL Hallett wind farm portfolio achieves all critical success factors in wind farm developments

- > Wind resource
- > Land access (support by landowners)
- Capital cost (materially more important than O&M costs):
 - » Typical split of capital costs for 70MW wind farm:
 - ~86% EPC, ~11% electrical connection, miscellaneous ~3%
 - Currently witnessing material turbine discounting as a result of global economic downturn
- > Connection access: (cost, loss factor, grid capacity)
- > Wind farm scale (to absorb certain fixed cost)
- > O&M costs (typically only around 1.5% of capital cost per year)

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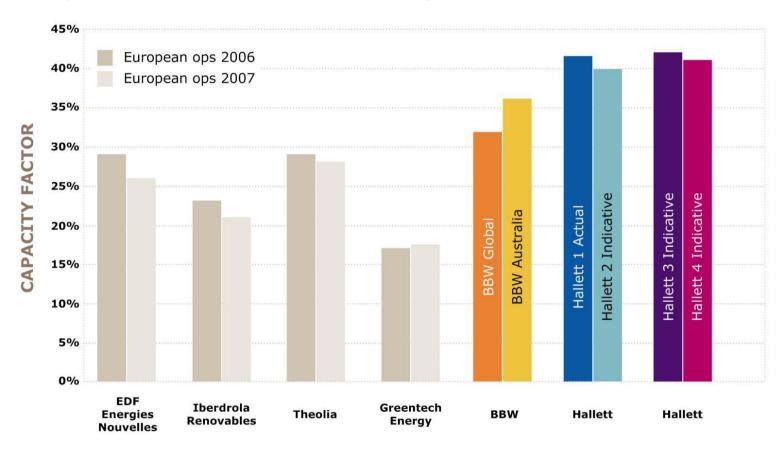
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Wind Capacity Factors - Global

AGL Hallett portfolio delivers world leading wind resource



Source: Macquarie Research Equities - Report Wind farmers (Europe) May 2008, BBW 2008 Annual Report, AGL live data & estimates

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Wind Generation - Growth Pipeline

Developing a portfolio with strategic depth & optionality

| | PROJECT | NOMINAL CAPACITY (MW) | LOCATION | ТҮРЕ | PROJECT STATUS | DEFINITION | | |
|-----------|---------------|-----------------------------------|------------------|---------|-------------------------------|------------|--|--|
| RENEWABLE | Hallett 2 | 71 | SA - Hallett | Wind | Under Construction | Committed | | |
| | Hallett 4 | 132 | SA - Hallett Win | | Under Construction | Committed | | |
| | Hallett 3 | 80 | SA - Hallett | Wind | In Development | Probable | | |
| | Oaklands Hill | 63 | VIC - West | Wind | In Development | Probable | | |
| | Hallett 5 | 50 | SA - Hallett | Wind | Permitted | Possible | | |
| | Macarthur | 330 | VIC - West | Wind | JV with Meridian | Possible | | |
| | Crows Nest | 150 | QLD - Toowoomba | Wind | Permitted | Possible | | |
| | Worlds End | 180 | SA - Burra | Wind | Permitted | Possible | | |
| | Ben Lomond | 150 | NSW - Armidale | Wind | Landowner Agreements in place | Possible | | |
| | Coopers Gap | 300 | QLD - Kingaroy | 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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AGL Hallet 1 & 2 Construction

Adam Mackett



Hallett 1 was officially opened June 2008 and is operational

Wind Turbines: 45 x Suzlon S88 2.1 MW v3

Capacity: 94.5 MW

Energy Output: 320,000 MWh per annum



> Capacity Factor = 41.5%

> Average Wind Speed = 8.6 m/s (at wind turbine)

Monitored from AGL's Mt Beauty Control Centre







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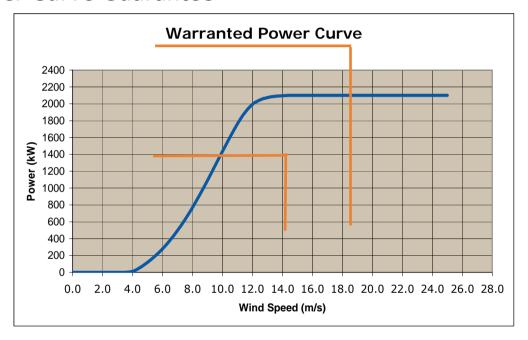
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Tests after Completion:

Power Curve Guarantee



- Availability Guarantee:
- > 97% for first two years of operation (Defects Liability Period)







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Hallett 2 is currently in construction and due for completion in late calendar 2009

Wind Turbines: 34 x Suzlon S88 2.1 MW v3

Capacity: 71.4 MW

Energy Output: 255,000 MWh per annum



> Capacity Factor = approx 40%

> Average Wind Speed = 8.6 m/s (at wind turbine)

Construction commenced June 2008







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Construction of a wind farm involves four overlapping stages:

| | | | 2008 | | | | | 2009 | | | | | | | | | | | |
|-----------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| STAGE | DESCRIPTION | Jun08 | Jul08 | Aug08 | Sep08 | Oct08 | Nov08 | Dec08 | Jan09 | Feb09 | Mar09 | Apr09 | May09 | Jun09 | Jul09 | Aug09 | Sep09 | Oct09 | Nov09 |
| | | | | | | | | | | | | | | | | | | | |
| 1 | Civil works and foundations | | | | | | | | | | 1:::::::: | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| 2 | Electrical works | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| 3 | Wind turbine tower erection | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| 4 | Wind turbine installation & commissioning | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Milestone | Total Windfarm Take Over | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | STA | TUS | | | | | | | |

- 1) Access roads, wind turbine hardstands and foundations
- 2) 33kV Collector system, 33kV Feeder system and Wind Farm 275kV Substation
- 3) Erection of wind turbine towers
- 4) Installation and commissioning of wind turbines

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AGL Hallett 2 Wind Farm



Stage 1 - Access roads and wind turbine hardstands

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Stage 1 - Wind turbine foundations including post tensioning and installation of rock anchors









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Stage 2 - Vermeer trenching for the underground 33kV Collector cable





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Stage 2 - Wind Farm 275kV Substation under construction

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Stage 3 -Installation of lower mid tower section







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Stage 4 - Installation of nacelle at wind turbine no.34

Completed turbine

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Future Site Developments

Tim Knill



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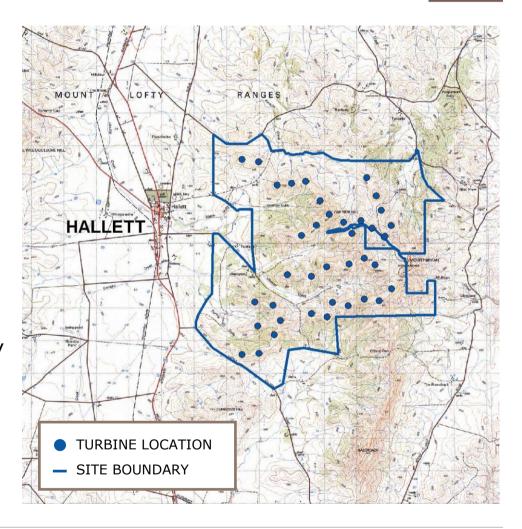
Project Summary

- > 38 Turbines
- > Complex terrain
- > Challenging to build

Project Status

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- Development Approval expected April
- Ecology studies underway
- > Aboriginal heritage clearance underway
- > Investment decision scheduled 1HFY10



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Project Summary

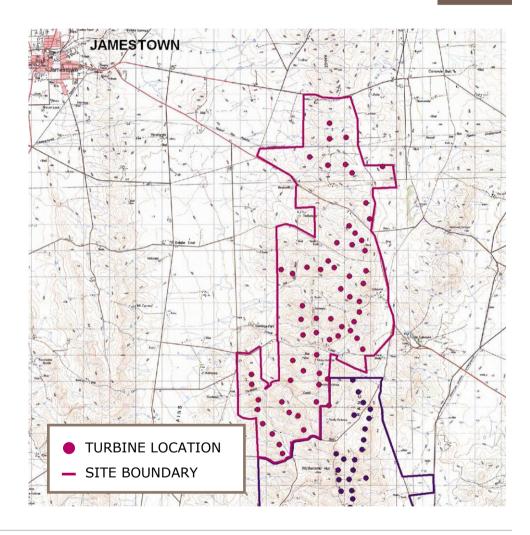
> 63 turbines

MIUO ƏSIN

- > 132.3 MW capacity
- > New 33kV/275kV substation

Project Status

- > Board approved
- All permits and authorisations received
- > EPC Contract executed with Suzlon
- Construction completion 1HFY12



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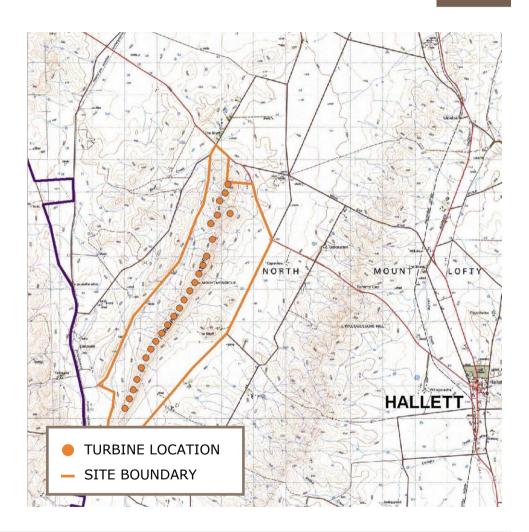


Project Summary

- > up to 25 turbines
- Connection into Hallett Stage 4 substation
- > Good constructability

Project Status

- Development approval for wind farm received
- > Export power line requires DA
- > No connection enquiry to date
- Investment decision scheduled for FY10



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Question & Answer



Further Information / Contacts

A range of information on AGL Energy Limited including ASX & Media Releases, Presentations, Financial Results, Annual Reports and Sustainability Reports is available from our website: www.agl.com.au

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