



In Fact

Hallett Stage 1 wind farm

Date: June 2008





About Hallett Stage 1 wind farm

- > Development commenced in August 2004.
- > The Hallett Stage 1 wind farm created around 100 jobs during planning and construction.
- > AGL partnered with Wind Prospect [www.windprospect.com.au] for the development and Suzlon [www.suzlon.com] for the construction of the Hallett 1 wind farm.
- > The first turbine and blades arrived in South Australia in late February from Suzlon's manufacturing facility in India and were then transported by road in segments before being assembled on site at Hallett.
- > The final lift for the first wind turbine took place on March 1, 2007 and the turbine commenced generation on March 24 2007.
- > The final turbine was erected on 14 March 2008.
- > Electricity was first generated on site from the prototype turbine in March 2007.
- > The wind farm will comprise a total of 45 Suzlon S88-2.1MW wind turbines with a total installed capacity of 94.5 megawatts.
- > The hub height of each tower reaches to 80 metres with the maximum blade tip height being 124 metres.
- > Each turbine has a rotor diameter of 88 metres.
- > The Hallett Stage 1 wind farm is one of the largest wind farms in Australia and will spread over more than 14 kilometres of the Brown Hill range.
- > When fully operational it will produce enough green electricity to power approximately 54,000 average Australian households every year.
- > The Hallett Stage 1 wind farm is the first wind farm in AGL's 'Hallett Group' to be completed.

About the Hallett Group of wind farms

The other wind farms in the Hallett Group are:

Hallett Stage 2 wind farm at Hallett Hill:

- > **Where:** 10.5 kilometres south of Hallett.
- > **Specifications:** 34 Turbines @ 2.1MW = 71.4MW.
- > **Status:** IN CONSTRUCTION.

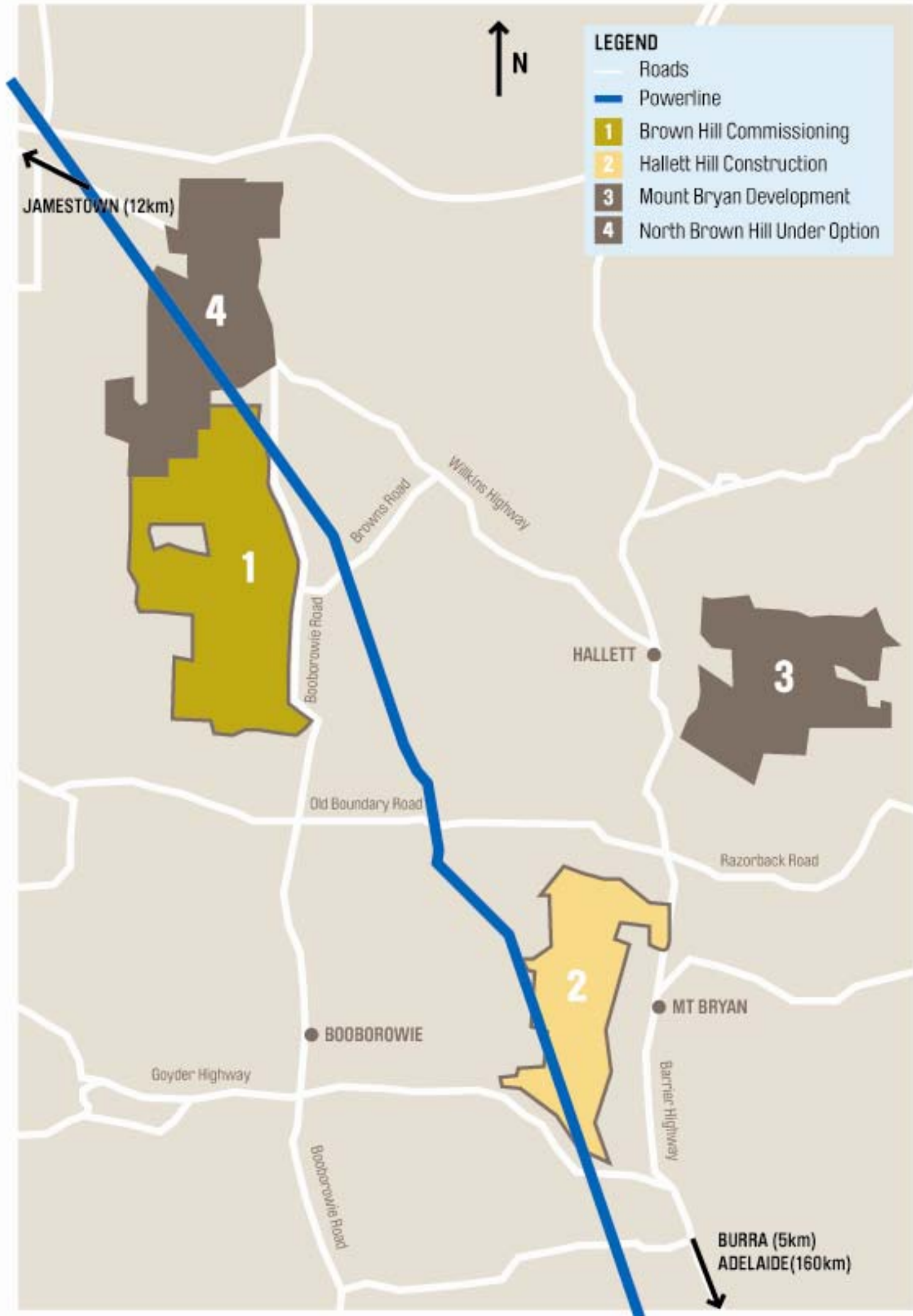
Hallett Stage 3 wind farm at Mt Bryan:

- > **Where:** 2.7 kilometres east of Hallett.
- > **Specifications:** 35-40 Turbines @ 2.1-3MW = capacity up to 117MW.
- > **Status:** IN DEVELOPMENT.

Hallett Stage 4 wind farm at North Brown Hill:

- > **Where:** 17 kilometres northwest of Hallett.
- > **Specifications:** 63 Turbines @ 2.1-3MW = capacity up to 189MW.
- > **Status:** IN DEVELOPMENT.

If all projects proceed AGL could be operating over 232 wind turbines in South Australia with a combined capacity of over 460MW by 2011.





AGL in the local community

- › AGL has established itself as a strong supporter of the local community. Recently, several community groups in the Mid-North received grants towards a variety of projects as part of the AGL Hallett Wind Farm Community Fund.
- › Through the Community Fund, AGL aims to bring a positive impact in the local community and the grants a tangible way of demonstrating that in both small and significant ways.
- › AGL is committed to establishing community funds for each of its wind farm projects in South Australia. The community funds are designed to enable the broader community near the wind farms to participate in the benefits the projects will bring, and will provide annual funding for local community based projects and community groups for the next 25 years.
- › Some examples of where monies from the AGL Hallett Wind Farm Community Fund have been directed include: An upgrade to the Jamestown Showground's power supply, new association basketball uniforms, a tumble mat for Kindergym kids, a water conditioner for lawn tennis courts, Christmas Pageant advertising and entertainment, termite control at the bowling club rooms, and safety training for volunteer pool supervisors.
- › AGL has a strong commitment to sustainable development - Environmental Impact Statements have or will be prepared for each project and submitted to the council.

Wind energy

- › Wind is the fastest growing global renewable energy resource with an average growth rate to 2012 expected to be 20.7% per year.
- › AGL believes wind will dominate as the most economic large scale technology for the next 10 years.
- › AGL's approach to wind farm development is anchored into targeting high wind yield locations where local communities are supportive.
- › Tasmania and areas in South Australia, Western Australia and Victoria are the best wind resources in Australia.
- › South Australia leads the market in wind in Australia with 900MW of projects currently committed.



AGL and renewable energy

- › AGL has a leading position in the renewable energy space and is the only Australian energy company generating from a full suite of proven renewable technologies. We have invested significantly – more than \$2 billion - to prepare for a carbon-constrained future.
- › AGL has the fastest growing renewable portfolio in Australia.

In addition to the 94.5MW Hallett wind farm, approximately 210MW of renewable energy generation is currently under construction at:

- › Hallett Stage 2 wind farm at Hallett Hill - 71MW at due for completion late 2009; and
- › Bogong in Victoria (Hydro) – 140MW scheduled for completion second half 2009.

Under development consideration:

- › Hallett Stage 3 wind farm – up to 117MW.
- › Hallett Stage 4 wind farm – up to 189MW.
- › Macarthur wind farm (VIC) – 330-450MW.

Additional ~1200MW in other development projects.

- › Over 76% of AGL's generation capacity is either low or zero emission.
- › AGL now has one of the most significant suites of renewable generation in Australia and is strongly positioned to meet the growing demand for clean energy, with more than 700MW of renewable generation and a further 235MW under construction.
- › AGL was the first Australian energy retailer to provide an accredited Green energy product.

Renewable energy moving forward:

- › AGL will continue to invest in proven, commercially viable and sustainable leading edge renewable and low emission technologies.
- › In addition to building physical renewable capacity, in 2007 AGL joined the Chicago Climate Exchange, the first non-US utility to do so.
- › AGL has been a member of the Dow Jones Sustainability Index for 2006 and 2007. AGL is also a constituent of the FTSE4Good Index series.
- › AGL recently became the first Australian company to provide a two-way market in future Australian Emission Trading Units (AETUs) when it posted its AETU first trade with Westpac Banking Corporation on 13 May 2008.
- › Through making this trade, AGL has established a market price for AETUs with the intention of providing ongoing liquidity in energy markets beyond 2010.
- › The value of our renewable energy generation fleet enabled AGL to commence trading Australian Emission Trading Units (AETUs) ahead of the formal development of the Australian Emissions Trading Scheme.



AGL Energy today

- > Australia's largest natural gas & electricity customer base.
- > Australia's largest dual-fuel customer base.
- > Australia's largest privately owned & operated renewable generation portfolio.
- > Australia's largest contracted gas portfolio & emerging positions in new coal seam methane (CSM) developments.
- > Substantial integrated generation portfolio with diversity across geography, fuel-type and generation mix.
- > Industry leading portfolio of renewable and thermal development projects.
- > A world class, scaleable customer management & billing system (Project Phoenix).
- > Australia's second oldest company, and today an iconic Australian energy brand.