

> SA leads the way in renewables as Siemens wind technology hits the road for Snowtown II

Adelaide, Jul 20, 2013

Highly advanced and efficient wind technology has arrived in Adelaide, ready for the Snowtown II wind farm to begin construction and helping South Australia become the leading State for renewable energy production.

More than 660 pieces of equipment for the wind turbines will be transported from the Port of Adelaide to the Snowtown II wind farm site
210 53 meter long rotor blades which are cast in one piece

"Siemens is focused on creating technology for the sustainable future of energy and we're proud to be able to help South Australia achieve the goal of 33 percent renewable energy by 2020," Siemens Vice President of Energy David Pryke says.

"Every aspect of this project is state-of-the-art and uses the highly efficient and low maintenance wind technology. Snowtown II will have advanced, gearless-drive turbines through to the high-tech 53 meter long rotor blades which are cast in one piece making them structurally and aerodynamically best suited to the strong wind conditions at the site," Mr Pryke said.

This impressive project begins with the logistical feat of transporting more than 660 pieces of equipment including 210 of the 53 meter long rotor blades, from the Port of Adelaide to the Snowtown site.

Because of the sheer size of the parts, we have to move these one piece at a time, each with Police escort. If you laid out the rotor blades alone end to end they would form a road train about 13km long.

Siemens was appointed the turn-key supplier of the Snowtown II wind farm by New Zealand electricity company TrustPower, in July 2012.

TrustPower Australia General Manager, Peter Calderwood, says TrustPower is delighted with progress to date, and the fact that the project has been moving along on smoothly and to schedule.

"From our perspective things couldn't be going better. The local community remains hugely supportive of our expansion. And, apart from the more obvious impacts such as increased employment, we have seen additional benefits such as the expansion of some local businesses, and the ability of local fire crews to use wind farm roads to gain faster and easier access to some fires that broke out during what really was an exceptionally hot and dry summer. That meant those fires could be contained much more quickly and easier than in the past, preventing them from developing into something larger.

The Snowtown II wind farm will be capable of producing 270 megawatts of energy which will power up to 180,000 South Australian homes.

Siemens are collaborating with local South Australian business E & A Contractors for the manufacture of 20 of the towers for the Snowtown II wind farm.

Siemens involvement in South Australia spans the first telegraph line between Adelaide and Darwin, through to today where Siemens technology is providing South Australia's first electrified rail network as well as helping South Australia competitively brew some of the world's finest beers and produce clean drinking water.

What: The transportation of the turbine pieces for the Snowtown II wind farm include:

- 30 - 49m long blades
- 240 - 53m long blades
- 90 - wind turbine nacelles
- 90 - hubs, coolers, transformers and containers
- 210 - tower sections
- 2 - main power transformers

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