



Undara Volcanic Lava Tubes

Local attractions

At 913 metres above sea level, Ravenshoe is the highest town in Queensland. This lush region boasts mountain pastures and unspoiled World Heritage rainforest.

From Ravenshoe, Tully Falls Road leads 25 kilometres south through upland rainforest to Tully Gorge. The Tully Falls Road leads another nine kilometres to Koombuloomba Dam, an ideal location for camping, swimming, water skiing, and year-round barramundi fishing, as well as the location of Stanwell's Koombuloomba Hydro Power Station.

Other nearby attractions include the spectacular Millstream Falls, Australia's widest falls; the Millstream Express, a restored steam train; and Innot Hot Springs, natural mineral springs.

Other attractions

The Atherton Tableland hosts a range of unique attractions for tourists, including:

- Fascinating Facets and the Crystal Caves in Atherton, which allow visitors to explore the fantasy world of caves;
- Lake Tinaroo with more than 200 kilometres of shoreline through State Forest, the scenic Danbulla Forest Drive and bushwalking trails;
- The famous Curtain Fig, near Yungaburra, which is more than 800 years old and stands 50 metres tall and 39 metres wide;
- Lake Barrine and Lake Eacham, at the top of the Gillies Range, which are crater lakes with crystal clear water and lush tropical rainforest surrounds;

- Scenic drives through Malanda which reveal diverse agricultural activities and local wildlife, including species of rare rainforest animals and birds;
- The Millaa Millaa Lookout, which offers sensational panoramic views of the Tableland;
- Mt Hypipamee National Park, including the 61 metre diameter Mt Hypipamee Crater and the breathtaking Dinner Falls; and
- The topaz fields of Mt Garget and spectacular cave-like lava tubes of Undara Volcanic National Park, which are located further west.



Millaa Millaa Falls

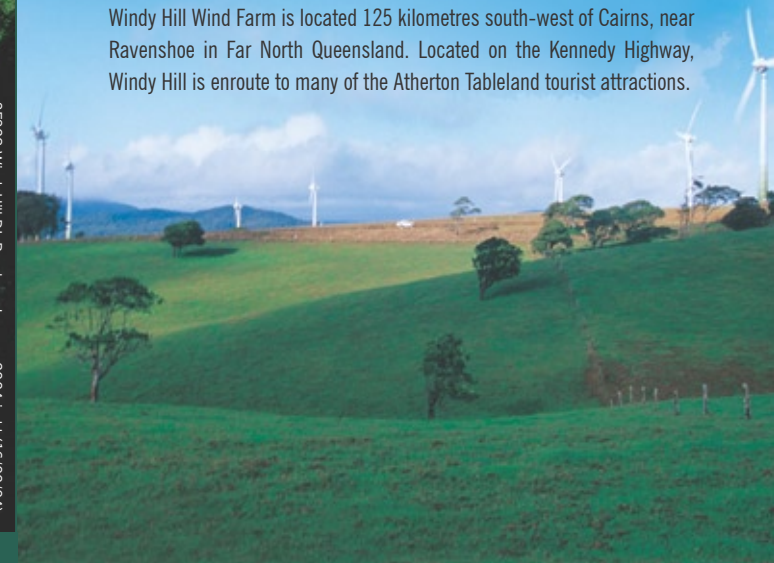
Contact the Ravenshoe Information Centre on 07 4097 7700 for more information on these and other historic attractions on the Atherton Tableland



It's a Site to see

Windy Hill Wind Farm is located 125 kilometres south-west of Cairns, near Ravenshoe in Far North Queensland. Located on the Kennedy Highway, Windy Hill is enroute to many of the Atherton Tableland tourist attractions.

SFS28 WindyHill DL Brochure January 2004.indd (16/02/04)



Blade
Three 22m long glass fibre reinforced epoxy blades attached to the rotor. The blades turn clockwise to a maximum 21 revolutions per minute.

Wind Sensor
Senses the speed and direction of the wind. A yaw mechanism turns the rotor and blades to face into the wind.

Generator
(inside Nacelle – see Enercon Turbine cut-through diagram).

Nacelle
The nacelle contains the majority of the working machinery of the turbine including the generator and transformer.

Tower
46m tapered tubular steel tower.

Windy Hill

Located on the aptly named Windy Hill on the Atherton Tablelands, Windy Hill Wind Farm is capable of generating 12 megawatts of green electricity for distribution to customers.

The wind farm is ideally positioned with good exposure to prevailing winds and close vicinity to an existing electricity transmission infrastructure that supplies the Atherton Tableland customer load centres.

There are 20 wind turbines at the site, with the turbines located on top of tubular steel towers. Each turbine has three turbine rotor blades that are 22 metres long. The centre of the rotor blades is 46 metres above the ground and can revolve at a maximum speed of 38 times a minute.

Commissioned in 2000, Windy Hill is owned by Stanwell Corporation and operated by ENERCON Power Corporation.

Converting wind energy into electricity

The sun heats the earth's surface unevenly, creating differences in air temperature and subsequent differences in air pressure. The result is what we experience as wind. The force of the wind increases as the difference in air pressure increases.

Wind turbines convert wind energy into electricity. The wind slowly turns the turbine blades, which drive a generator to produce electricity. This electricity travels through a transformer and into the local electricity network through transmission lines that distribute electricity to homes.

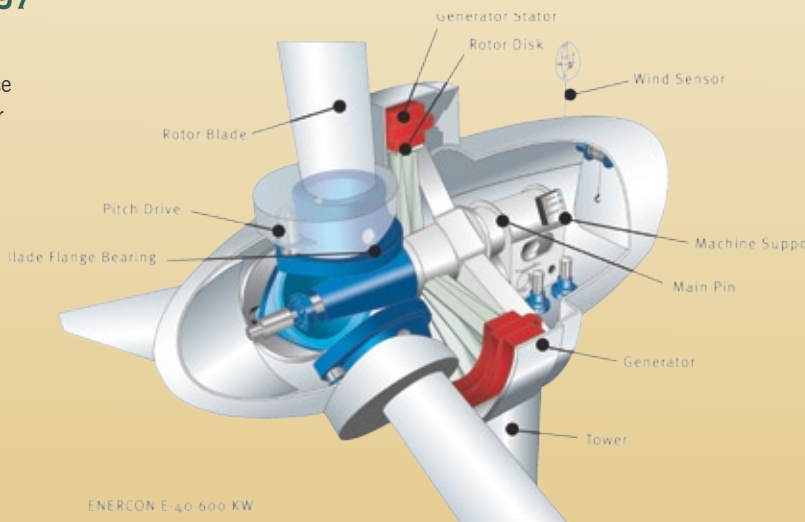
Environment

Wind energy is an environmentally sustainable source of electricity.

Wind power produces no waste products and displaces the emission of greenhouse gases that would otherwise be released into the atmosphere from non-renewable electricity generation.

The Windy Hill Wind Farm is accredited as a Green Power Generator by the Sustainable Energy Development Authority (SEDA) and is also accredited under the Federal Government Renewable Energy (Electricity) Act 2000.

In line with Stanwell's commitment to sustainable development, an extensive feasibility study was undertaken to investigate impacts of the development proposal. This study included wind monitoring, as well as external studies and consultation to investigate the impacts on aesthetics, noise and wildlife, and compatibility with the regional telecommunications system.



ENERCON E-40 600 KW

Windy Hill Statistics (per year)

Capacity	12 megawatts
Greenhouse Gas Savings	25,000 tonnes
Homes Powered	3500

Location



About Stanwell Corporation

Stanwell Corporation is a Queensland Government-owned corporation with a portfolio comprising coal, wind, hydro, and bioenergy power generation facilities. Stanwell's operations supply electricity to help meet the power demands of industrial and residential customers in Queensland and other Australian states served by the National Electricity Market.

For more information please phone 1800 303 116 or visit www.stanwell.com