

Mount Emerald Wind Farm Update



EPC Contractor Vestas takes formal control of Mt Emerald construction site

The Mount Emerald Wind Farm has reached another major milestone, with Ratch formally handing EPC Contractor Vestas full access to and control of the site.

Vestas is responsible for construction of the project with major subcontractors Consolidated Power Projects (CPP) and Civil & Allied Technical Construction (Catcon).

Vestas will now mobilise part of their workforce at the Mt Emerald site and commence preliminary construction works such as upgrades to access roads and erection of a site office. Peak employment during the construction phase is expected to rise to 155 jobs.

Potential suppliers that wish to provide materials or services should register their interest by directing enquiries to;

For Wind Turbine erection, testing etc.;

Vestas Australian Wind Technology

Sefa Izzet

Project Manager – Construction

seizz@vestas.com

03 8698 7359

For earthworks, concrete, building or other general activities;

Catcon

David Baker

Construction Manager

davidb@catcon.com.au

08 8347 1888

Expressions of Interest (EOI) that have previously been submitted have been passed on to Vestas for consideration. Suppliers do not need to register twice.

For more information, please visit ratchaustralia.com or mtemeraldwindfarm.com.au

We welcome feedback

While it is the intention for the construction and operation of the Mount Emerald Wind Farm to be performed with as little disruption as possible, there may be times where neighbours and members of the public may have issue with some of the activities.

To assist in the smooth integration of the wind farm into the community a range of mechanisms are available to allow people to raise their reasonable concerns.

Phone: 1800 702 597

Email: info@mtemeraldwindfarm.com.au

Post: PO Box 1058, North Sydney NSW 2060

Web: Feedback form available at www.mtemerald.com.au



Early works get underway ahead of major construction activities

During November and December 2016 construction of a concrete protection structure was undertaken to protect a part of the Mareeba-Dimbulah Irrigation Scheme.

The new structure was built over the existing pipes which are buried underneath Kippen Drive not far from the intersection with Springmount Road.

As Kippen Drive is to be utilised as the site access for the Mount Emerald wind farm, this protection will ensure there is no disruption to the ongoing supply of the irrigation network, not just during the construction of the wind farm but also for the ongoing use of Kippen Drive.



Safety remains Ratch's highest priority

The Mount Emerald Wind Farm has hit the ground running this year with many on the ground surveys and safety clearances now completed ahead of preliminary construction activities due to commence in February.

Given the Tablelands region was used as a training ground during World War II, Ratch liaised with the Department of Defence and engaged expert consultants to conduct a detailed Unexploded Ordnance (UXO) survey of the construction works zones.

Specialised metal detection equipment identified a range of exploded ordnance, mostly mortar fragments and tail fins, along with a small number of unexploded devices.

These have been dealt with in accordance with a site protocol agreed between Ratch, its contractors, Queensland Police and the Department of Defence.

Executive General Manager Business Development, Anthony Yeates, said safety was the company's highest priority.

"Safety during construction is of paramount importance to Ratch. We will work closely with our EPC contractor Vestas to ensure that all possible construction risks are managed and everyone's safety is preserved," he said.

Mr Yeates pointed out that as the site was now considered a construction site, any unauthorised entry was not permitted.

Vestas formally handed site. Preliminary construction works begin - road upgrades, site office erection.

NOV16

Wind turbines components will commence being delivered to site and erected.

APR17

Substation is completed and wind farm is connected to the electricity grid network.

DEC17

We flick the switch. Full commercial operations.

AUG18

Sunwater pipeline works at Kippen Drive intersection.

FEB17

Construction of wind farm to begin with earthworks.

OCT17

All road works complete. All concrete foundations for turbines are complete.

MAY18

All turbines are erected.

SEP18

All financing secured for project.



Vestas turbines set new technological benchmarks

The Mt Emerald Wind Farm will feature two types of wind turbines from Vestas' 3 MW platform, Vestas V112 and V117 models, to take advantage of the site's specific characteristics.

Vestas' 3 MW platform is designed for a range of wind conditions, and is highly regarded for delivering industry-leading reliability, serviceability and exceptional energy capture.

Each turbine features a three-blade rotor controlled by a microprocessor pitch control system.

Based on the prevailing wind conditions, the blades are continuously positioned to optimise the pitch angle.

The blades are made of carbon and fibre-glass and consist of two airfoil shells bonded to a supporting beam.

All turbines of the 3 MW platform have an increased nominal power and advanced sound reduction modes to ensure noise is kept to a minimum and well below the government mandated limits.



Ratch team profile



Rene Kuypers – Project Construction Director, Ratch Australia Corporation.

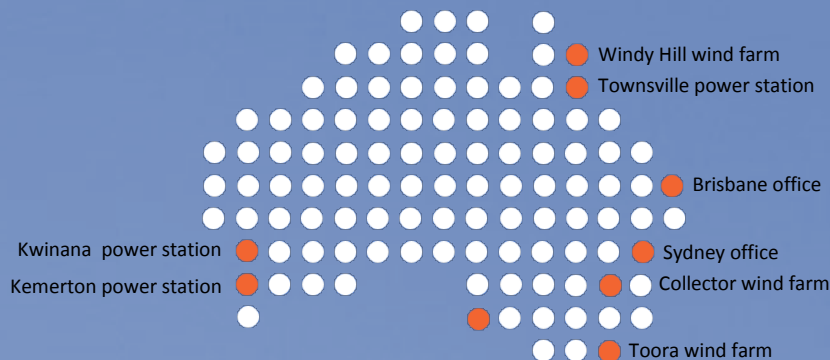
Rene joined Ratch in August 2016 to take the lead for the construction of the Mt Emerald Wind Farm.

Rene has vast experience in the Australian renewable energy industry and a strong track record for delivering major projects on time and on budget.

Prior to joining Ratch, Rene was AGL's Wind Operations Manager in South Australia where he was responsible for the management of four separate wind farms that make up the Hallett Wind Farm group.

Before this time, he spent seven years as National Construction Manager with Infigen Energy delivering over \$500 million worth of wind farm projects including Lake Bonney Stage 3 Wind Farm, Woodlawn Wind Farm, and Capital Wind Farm.

Ratch is answering Australia's call for cleaner energy.



For more information

Please visit ratchaustralia.com.au, or mtemeraldwindfarm.com.au

or email

info@mtemeraldwindfarm.com.au

