

BODANGORA WIND FARM COMMUNITY NEWSLETTER

DECEMBER 2017

infigen

IT TAKES A VILLAGE TO BUILD A WIND FARM

And that village is Bodangora.

By August 2018, the surrounding hilly, rugged farm land will be home to 33 wind turbines with a combined capacity of 113.2 megawatts and an annual output of 361 gigawatt hours – that is enough to power 49,000 homes in NSW each year.



WHO IS BUILDING THE BODANGORA WIND FARM?

Bodangora wind farm is built by Civil and Allied Technical Construction (CATCON); wind turbines are supplied by General Electric (GE); and the overhead powerlines to connect the wind turbines to the electricity grid are built by TransGrid. Energy company Infigen Energy is the owner of the project and overseeing the construction. The project also involves eight landowners who are local farmers leasing their land to the wind farm.

WHAT'S HAPPENING ON SITE?

Good progress has been made on construction of the site roads and foundations. TransGrid have commenced their initial works on the construction of the main grid connection with works starting on the overhead line and main substation.

The latest development has been the establishment of the concrete batching plant. This enables concrete to be mixed and poured on-site, rather than having to bring cement mixers being along the public roads. With the plant ready to go, this has allowed for the commencement of concrete pouring to form the basis of the turbine foundations. This follows some extensive civil works, excavation, blasting and formation of tower bases. As there is such a large number of turbines, workers are being kept busy pouring tonnes of concrete, beginning early each morning and continuing throughout the day.

The work schedule for construction of foundations and roads is due to be completed in March 2018.



WHAT'S NEW?

Visit to the wind turbine blade factory LM Wind Power near Bergama, Turkey, to inspect the making of the turbine blades. Each blade is 63.7 metres long – approximately the same height as the Sydney Opera House – and weigh over 15 tonnes each.



CONSTRUCTION TIMELINE

Jun 2017-
Mar 2018



Construct roads
and turbine
foundations

Nov 2017-
Apr 2018



Construct grid
substation and
overhead line

Feb-May
2018



Wind turbine
transportation
to site

Feb-Jun
2018



Wind turbine
installation

May-Aug
2018



Commissioning
and testing

Aug 2018



Operational

DELIVERY NOTICE

The turbine parts are shipped from all over the world, with blades coming from Turkey and China, towers from Malaysia, and nacelles from Germany. The components will be transported for 390 km from the Port of Newcastle, NSW, to Bodangora. Some of the turbine tower base rings will be transported to Bodangora over December 2017, while delivery of other turbine components will begin in January 2018. It will take approximately 9-10 trucks to deliver each turbine.

The nacelle, which houses the turbine's generating components, weighs 96 tonnes. Due to the sheer size of the turbine components, the loads will be transported individually using specially designed trucks. Each truck will be accompanied by escort vehicles for additional safety measures. Some oversized deliveries will also have police escorts.

All main turbine deliveries will arrive at site via the Castlereagh Highway, Goolma Road, before turning onto Gillinghall Road and main site access roads.



Precise timing of deliveries may change due to traffic conditions. Most deliveries are scheduled to occur daily (Monday to Saturday), and planned to arrive at Gillinghall road between 10am and 2pm each day.



CONTRACTOR OPPORTUNITIES

With over 100 construction workers on-site, the Bodangora wind farm is a constant hive of activity. Some of the roles include concreters, machine operators and steel fixers. CATCON offers career opportunities to a wide range of people across various positions and professions. More opportunities for machinery and materials during construction and operation will be advertised on the Bodangora wind farm gateway at www.ICN.org.au. You can also register your interest by emailing BDWFEP@catcon.com.au.

MEET THE TEAM: DIESEL HUGHES

Job: Diesel Mechanic **From:** Wellington, NSW

What is your role on the project?

I am employed by CATCON to service and fuel the machines. It has evolved to other maintenance work, including installing a weather vane.

What is the best part of your job?

The pay is very good! It's also a fun work environment with a good bunch of guys who have a joke. It's also my first time on a wind farm and it's exciting to see pictures of the next stages. The scope of the project really blows me away.

What is your most memorable moment?

Marrying my wife Cherie, the birth of my boys and when we (the Wellington Redbacks) won the footy grand final in 1996.

What is your favourite breakfast?

It's gotta be pancakes, bacon and maple syrup.

If you had a superpower, what would it be?

Reading people's thoughts.

What is your best party trick?

Catching coins off my elbow.

Best piece of advice?

Don't put off until tomorrow what you can do today.



COMMUNITY

BODANGORA WIND FARM COMMUNITY BENEFIT FUND

Approved by Dubbo Regional Council at its October 2017 Ordinary Meeting, Infigen Energy's landmark contribution will ensure that \$50,000 is made available to the Wellington community each year for the first 25 years of the operation of the Bodangora wind farm. First round of funding was open for applications until 21 November 2017, and received 24 applications from not for profit groups for projects worth over \$155,000 in total.

Applications will be assessed and successful projects selected by the Fund Assessment Panel established by the Dubbo Regional Council.

To be successful for funding, applicants needed to demonstrate how their community project meets the following criteria:

- Deliver social, cultural, economic or environmental benefits to local communities of the Wellington district
- Address an identified community priority
- Ensure that any ongoing or recurrent costs of the project can be met by the community group once grant funding has been expensed
- Capacity to manage funds and deliver the project

The maximum grant allocation available was \$10,000 per project. There could be one application per applicant organisation.

If you have questions about future rounds of funding, please contact the Council's Community and Recreation Division:

- Phone (02) 6801 4000 or
- Email council@dubbo.nsw.gov.au



CONTRIBUTIONS SO FAR

The construction of the Bodangora wind farm has contributed over \$4 million to the surrounding region since commencement of preliminary works in April 2017.

Donations have been made by Infigen Energy on behalf of the Bodangora wind farm to the following organisations or events:

- Mt Arthur Challenge
- Wellington Show Society
- St Mary's Catholic School and Wellington Public School
- Wellington Arts sponsorship towards the annual arts and sculpture festival
- Wellington District Cricket Club (purchase of new kit bags and stump labels)
- Wellington Swimming Club
- Wellington Community Christmas party



ABOUT INFIGEN ENERGY

Phone: 1800 917 372 (free within Australia)

Email: bodangora@infigenenergy.com

Post: Infigen Energy

Level 17, 56 Pitt St, Sydney NSW 2000



Infigen Energy is an active participant in the Australian energy market and a developer, owner and operator of generation assets delivering energy solutions to Australian businesses and large retailers.
www.infigenenergy.com



FOLLOW LIVE UPDATES

At facebook.com/bodangorawindfarm