



Crookwell 3 Wind Farm

Crookwell 3 Development Pty Ltd

June 2023 Newsletter

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Project Status

With the civil works almost completed and the site being partially handed over to Vestas, the project has reached an important milestone. It is now receiving turbine components on a daily basis, which are being delivered by over dimensional trucks coming from Port Kembla.

Activities On Site

- **Roads**
 - ✓ Internal roads progressing according to schedule.
 - ✓ Roads have coped successfully with the traffic of oversize trucks.
 - ✓ Providing drainage, and fixing potholes are some of the ongoing duties onsite to maintain the internal roads in good condition.
 - ✓ Specific traffic management procedures have been implemented to improve coordination during the deliveries.
- **Wind Turbine Foundations**
 - ✓ All concrete pouring has been completed.
 - ✓ 70% of the soil backfilling has been done.
 - ✓ 3 foundations have received their components.
- **Trenching and Cabling**
 - ✓ Trenching and cable laying in the wind farm is due to finish in July.
 - ✓ Trenching in Crookwell 2 area up to the substation will start in August.



Over dimensional truck delivering one of the blades

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Grid Connection

- RJE Global will be in charge of the installation of primary electrical equipment for Crookwell 3 in the coming months.
- The new substation buildings are being designed and will be built in South Australia. Installation on site is expected for October.



GPG Site manager, Borja, inspecting the last foundation poured

Fortnightly Construction Updates

- Fortnightly Construction Updates are now available. To be included on the distribution list, please contact our new Community & Stakeholder Engagement Officer on **0487 210 034** or by email: marco.romero@globalpower-generation.com.au www.crookwell2and3windfarm@globalpower-generation.com.au

Relevant Documentation

- Relevant documentation, such as the Development Consent and associated documentation are up to date and available on the project website: www.crookwellthreewindfarm.globalpower-generation.com.au/the-project/relevant-documentation/



Crane laying down the blades next to the foundation

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Community Engagement & Benefit Sharing

Community Consultation Committee

Meetings with the Community Consultation Committee for Crookwell 2 & 3 Wind Farms will be resumed on August 16th.

Community Open Day

We are pleased to confirm that our Community Open Day will be held on July 27th at the Emily Chalker Building in Crookwell. This event will give the local community the opportunity to learn more about the project and have any related questions answered by our representatives and contractors.

Some of the activities will include information tables starting from 2pm, followed by a presentation overview of Crookwell 3 at 5pm. Please join us for afternoon tea and to learn more about our renewable energy project in Crookwell.

Who's Who?

Borja Valdes - Crookwell 3 Site Manager



Borja is our site manager at Crookwell 3 and has vast experience in the energy and gas industry. He joined our parent company in 1999 and has travelled the globe in supervisory and project management roles. He notes that as the world progressively shifts towards clean energy, experienced professionals like himself are also transitioning to higher involvement in renewable energy projects.

The Dominican Republic, Egypt, the United Arab Emirates, Iran, Mexico, Indonesia, and Ecuador are some of the countries where he has spent several years working as an expat. Sometimes, he worked in contexts of social unrest and political instability, such as during the protests in Iran in 2009.

Borja arrived in Canberra in April 2022 and relocated to Goulburn earlier this year, where he will stay until the project begins its operations. He is currently looking forward to heading back to Madrid and spending some time with his family and friends. Finally, I asked him, 'Where are you off to next after Australia?' 'God knows where I'll get sent to next,' he jokes.

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Do You Know About?

History of the wind power

Wind power has been used as long as humans have put sails into the wind. For more than two millennia wind-powered machines have ground grain and pumped water. Wind power was widely available and not confined to the banks of fast-flowing streams, or later, requiring sources of fuel.

The earliest use of wind power can be traced back to ancient civilizations. People used wind to propel their boats along the Nile River and other water bodies.

The Persians were known for their advanced windmill designs in the 7th century. These vertical-axis windmills had vertical sails made of reeds or wood, which were used to grind grain and draw water from wells. Some of these windmills were as tall as 20 meters.

Windmills spread to Europe in the 12th century. Initially, they were used primarily for grinding grains and sawing wood. The Dutch played a significant role in developing windmills, especially for drainage purposes, as the Netherlands had many low-lying areas prone to flooding.

Windmills were used to pump water out of these areas, reclaiming land for agriculture.



Historic Iranian windmills are still functional nowadays

Industrial Revolution and Wind Power: With the advent of the Industrial Revolution in the 18th century, wind power took on new significance. Windmills were used to power machinery in factories, such as textile mills and mills for producing paper, sugar, and other products. These windmills often had horizontal-axis designs, similar to modern wind turbines.

During the 20th century, the use of wind power declined with the rise of fossil fuels, especially coal and oil, in the 19th and 20th centuries. However, there was a renewed interest in wind power in the mid-20th century as concerns about environmental pollution and the availability of fossil fuels grew.

The development of modern wind turbines, capable of generating electricity, began in the 1970s. These turbines had three blades and a horizontal-axis design. The first commercial-scale wind farm, consisting of 20 turbines, was established in New Hampshire, USA, in 1980. Since then, wind power has grown rapidly around the world.

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Today, wind power is a key source of renewable energy. It provides clean electricity, reduces greenhouse gas emissions, and contributes to the transition away from fossil fuels. The development of offshore wind farms and ongoing research into new technologies continues to drive the growth and potential of wind power in the global energy landscape.



Tvindkraft, the world's first multi- megawatt wind turbine was built near Tvind in 1978

Contact Us

For any queries, complaints or to be included in the distribution list of our newsletter and fortnightly construction update please get in touch with our Community & Stakeholder Engagement Officer Marco Romero on 0487 210 034 or by email marco.romero@globalpower-generation.com.au or crookwell2and3windfarm@globalpower-generation.com.au



Components of a turbine at Crookwell 3 Wind Farm

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