



Clarke Creek Wind Farm

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Project update

The Clarke Creek Wind Farm team recently worked with a specialist helicopter and crew to connect the electricity power lines for the first group of turbines.

This is a delicate operation requiring precision flying. The heli-stringing involves guiding a steel cable, known as a draw wire, from a brake winch on the ground to a pulley attached to the arms of the transmission poles.

This step ensures that the electricity generated by the wind turbines can be transmitted from the turbines to the Broadsound Substation.



Heli-stringing operation performed by the specialist helicopter and crew.

Energisation

The project marked another significant milestone this month with the first energisation of the wind farm's main substation and testing taking place.

"This marks a crucial step for the project to ensure that our wind turbines and associated electrical systems are ready for safe and reliable operation," said Clarke Creek Wind Farm Project Director, John Macchiusi.

The testing has several steps including the initial supply of electrical power into the wind farm's electrical system:

1. Testing and commissioning to ensure all electrical components, such as transformers, cables, and switchgear, are working correctly.
2. Safety checks to make sure all safety protocols are in place and functioning to protect both the equipment and personnel.
3. Power flow testing to allow electricity to flow through the system for the first time, which is essential for the wind turbines to start generating power.

This process is vital to ensure a smooth transition to energy production as we move towards full operational status. Once operational, the 450MW wind farm, consisting of 100 turbines, will produce enough electricity to power approximately 330,000 Australian homes and avoid 738,000 tonnes of carbon emissions each year.



Community update

Squadron Energy proudly supported students from Clarke Creek and Marlborough State Schools to visit Canberra recently. Highlights from the trip included visiting the Australian War Memorial Museum, Australian Institute of Sport, Questacon and the snow – not something we see around Central Queensland!



We were also delighted to sponsor the recent Marlborough and Clarke Creek Campdrafts. These events are a wonderful opportunity to bring small communities together.

In addition, Marlborough Public Hall celebrated its centenary recently with the community coming together in a celebration of unity and history with afternoon tea and entertainment, followed by dinner. The event showcased the incredible spirit, togetherness and shared heritage of everyone involved.



Scholarship applications

Applications are now open for scholarships from the Clarke Creek Community Benefit Fund.

We are committed to building and maintaining relationships with the community by supporting local initiatives and events. A portion of the fund is dedicated to scholarships, to support the costs of attending and undertaking education (e.g. course costs, study related materials or tutoring). Applications are welcome from any age, for any level of education (e.g. high school, tertiary or upskilling) and more information can be found in our [scholarship guidelines](#).

Applications are made via [SmartyGrants](#) and close on Friday 1 November 2024. For more information, please contact 0483 915 303.



Scholarship recipient - Jahna Day

In the 2022 Community Benefit Fund round, Jahna Day was awarded a scholarship to pursue a dual Bachelor's degree in Agricultural Science and Agribusiness at the University of Queensland. Now in her third year of the four-year program, Jahna is dedicated to using her education to make a meaningful impact on her community. She is particularly passionate about environmental science, ecosystem rehabilitation, and promoting sustainable practices within the agricultural industry.

Jahna is looking forward to sharing her knowledge and expertise, actively engaging in information dissemination and service delivery. She also remains committed to participating in community events and volunteering her time to support local initiatives.

Having resided in the Clarke Creek community all her life, Jahna has a deep understanding of the challenges faced by rural communities. This background fuels her drive to give back and support the development and sustainability of Clarke Creek.

Transport movements

Oversize overmass (OSOM) deliveries are continuing, leaving Gladstone Port overnight and arriving at site between 5.00am and 7.00am. Opt in for SMS notifications of transport movements for up-to-date information by contacting clarkecreek1@squadronenergy.com.

Contact us

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