



Dubbo Firming Power Station

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Project update

The proposed Dubbo Firming Power Station has reached a major milestone as we recently submitted the Environmental Impact Statement (EIS) to the NSW Department of Planning and Environment.

A referral has also been submitted to the Commonwealth Department of Climate Change, Energy and the Environment under the *Environment Protection and Biodiversity Conservation Act 1999*.

We expect the EIS will be placed on public exhibition in August 2023. This will be advertised by the Department of Planning and Environment and will be hosted on the NSW Government Major Projects website. It's expected the community will have four weeks to have their say about the project.



Expected capacity



Expected construction jobs

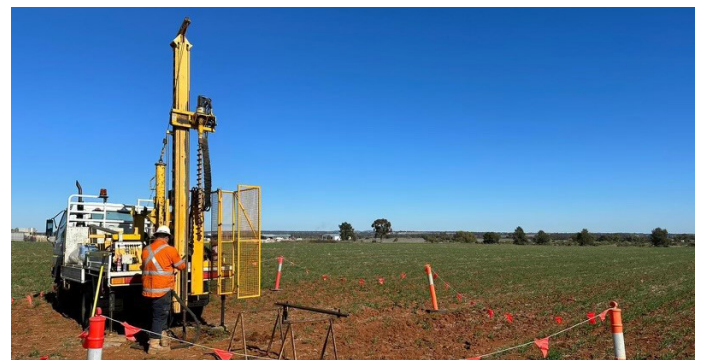


Expected operations jobs

The project, located in the Dubbo Regional Council area, will consist of a dual fuel 64MW power plant capable of using hydrogen, biofuels and hydrogen gas blends, and an up to 20MW hydrogen electrolysis plant.

The project is expected to support up to 150 construction jobs and six operational jobs.

Drill rigs have been mobilised on site this month to evaluate the soil and rock properties for geotechnical design purposes. This is used to determine the site's capacity to support heavy loads, the stability of slopes to withstand movement, the composition of soil and groundwater conditions.



Technology



Dubbo Firming Power Station will use open cycle gas turbine generators to generate power.



The open cycle configuration will allow fast start and firming generation to support intermittent renewable generation.



A dual fuel turbine unit typically consists of a compressor, combustion chamber, turbine and generator. Air is compressed to a high pressure before being forced into the combustion chamber.



Fuel (biofuel, natural gas, hydrogen or blends as required) is injected into the combustion chamber where combustion occurs at very high temperatures and the gases (air and combusted fuel) expands. The resulting hot air is forced into the turbine causing the turbine to turn, generating power.

Community update

Squadron Energy is committed to supporting local organisations and events in the communities where our projects are based.

Our team sponsored the Titan Macquarie Mud Run in March at Regand Park, Dubbo, and we are proud to be the gold sponsor of the 2023 Squadron Energy Dubbo Stampede in August.

The event will be held on Sunday 27 August 2023 around Taronga Western Plains Zoo.

Participants can opt to run or walk around the zoo in races of 1km, 5.3km, 10km, 21.2km and 42.2 km.

The Squadron Energy team are looking forward to participating in a number of the races.

Register at www.dubbostampede.com.au - we hope to see you there!



Each of our projects has a community sponsorship program. Applications are still open!

For information on how to apply, scan the QR code.



Should you have any queries or comments about the project, please get in touch.

Contact us

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