August 2026 Project Update

August was another busy month at Kidston with works progressing to ensure a timely run into commissioning.

One area of significant progress was in Kidston's intake canal, which contains two 230m deep 4m diameter intake shafts, had their trash racks installed over them. The intake shafts service the turbines located in the underground powerhouse with typical flowrates of 65m3/s per unit– **that's a total flow of 130 intermediate bulk containers every second!**

The intake canal is located on the upper dam, Wises Dam, and when the time comes to commissioning the underground waterways, water will be transferred into the intake canal to equalize water levels and the cofferdam wall located between the canal and Wises Dam will then carefully be removed. Once removed, water from Wises Dam will enter the intake canal, pass down the intake shafts and flow into the turbines and in turn generate electricity by spinning the generator at speeds up to 375rpm. The water then exits via the tailrace tunnels into the Eldridge Pit (lower reservoir).



Intake canal. The wall between Wises Dam and the intake canal will be removed prior to commissioning



Closeup of the Intake Canal and the two Intake Shafts.

The trash racks act as large grates over the intake shafts preventing any large debris from being drawn into the shafts. Each shaft trash rack comprises heavy steel structural sections, designed to be fabricated and transported into three sections, and then lifted into place onsite and welded together by crews at Kidston.



As this photo shows, the trash rack sitting over the intake shaft is impressive and required a team of four dedicated welders to weld the circa 685kg of weld required to permanently join the structures.

Come and meet us in person! We are holding Community Information Sessions in Einasleigh and Georgetown later this month and we look forward to providing more updates, answering your questions and an opportunity to meet you in person.



Community Information Sessions on 31st August in Einasleigh and 1st September in Georgetown.

Come along and meet the team and hear the latest on the Project including our planned Kidston Stage 3 BESS

Details surrounding the project are also provided through the Genex website www.genexpower.com.au or can be requested by email to info@genexpower.com.au

Please direct any expressions of interest to the MDJHJV Email: ProcurementQLD@k2hydro.com

Genex Power is the 100% owner of the Kidston Clean Energy Hub, in which the 250MW pumped hydro project will supplement the existing 50MW solar farm. Genex is a wholly owned subsidiary of Electric Power Development Co., Ltd (J-POWER).