

# Bowen

## RENEWABLE ENERGY HUB

PUMPED HYDRO



SOLAR



WIND



HYDROGEN



Just one of three projects being delivered by Bowen River Utilities, the Bowen Renewable Energy Hub is the largest renewable baseload energy project in North Australia. Once operational, it will generate over 1,500 MW of renewable energy and reduce carbon emissions.

Co-located with the Urannah Dam, the pumped hydro-electric plant has a storage capacity of 7 hours and is complemented by solar, wind and hydro electrolyser to support export scale hydrogen production.



**SUPPLY  
ENERGY**  
Into National Grid

**LOCATION**  
**90KM**



**NORTH-  
WEST OF  
MACKAY**

**1.5GW**  
Dispatchable Power





## WHAT PROJECT IS BRU BUILDING?

BRU is committed to building three projects to help deliver greater water and energy security for North Queensland. These projects comprise of the proposed 1.5 million ML dam to be built at Urannah, including pipelines to Moranbah and Proserpine, the Collinsville Irrigation Scheme for high value agricultural use and the Bowen Renewable Energy Hub, a pumped hydro-electric scheme which will lower the cost of electricity in North Queensland.

## WHO IS BEING CONSULTED ON THE PROJECT?

Consideration of community views is paramount and BRU is committed to engaging with the local community throughout every stage of the project. Public Consultation is already underway using a virtual platform and throughout the EIS process there will be thorough and rigorous formal consultation.

## WHY DOES NORTH QUEENSLAND NEED THESE PROJECTS?

BRU will provide much needed water security for the Mackay, Isaac and Whitsunday regions and their growing populations. Furthermore, at least 30 active projects and 71 new local projects which are currently in need of water will become viable with the help of the projects being delivered by BRU.

Affordable water will become readily available to local industry and farmers will have access to the water they need to grow high-value crops.

## HOW MANY JOBS WILL BE CREATED?

During construction almost 1200 jobs will be created and once operational the water scheme will support more than 650 new jobs.

## HOW WILL THIS PROJECT DELIVERY WATER SECURITY?

The Urannah Dam will have a capacity of 1.5 million ML, which is almost 80% of the capacity of the Burdekin Falls Dam, yet it will take up less than 20% of the land area. The dam will provide up to 150,000 ML of water per year.

## WHERE ARE THE BRU PROJECTS?

The project will be positioned adjacent to the Bowen Basin in North Queensland.

The Urannah Dam and Bowen Renewable Energy Hub will be located within the Mackay local government area, 64km south-east of Collinsville on the Broken River, downstream from Eungella Dam. This proposed site is also situated 90km north-west of Mackay in high rainfall area and two pipelines will deliver water to Proserpine and Moranbah

## WHO SUPPORTS THE PROJECT?

The project partner is Bowen Collinsville Enterprise, a group of local business leaders and community advocates who are committed to economic growth in the region for the benefit of North Queensland



For more information  
please visit  
[bowenriverutilities.com](http://bowenriverutilities.com)