

What's ahead?

Upcoming geotechnical investigations

Scoping and planning is underway for on-site geotechnical investigations. We anticipate commencing site works in spring/summer 2023 and will be engaging with our near neighbours in relation to these works.



Specialist studies

In consultation with the community, we will progress a range of specialist technical studies to understand potential project impacts and opportunities, and to inform the regulatory approvals process. These studies include:

- Noise and vibration
- Traffic and transport
- Visual amenity
- Social and economic, including workforce accommodation.

The findings of these studies will be shared with communities as we progress.

Local benefit sharing

We are committed to ensuring host communities and directly impacted communities can benefit from the project.

Later in 2023, we will be seeking community involvement in identifying ways to leave a legacy through local content, local employment and other initiatives that directly address community needs.

Project timeline



2023-2025

Environmental and planning approvals and community consultation



Mid 2025

Final Investment Decision to proceed with project



Late 2025

Potential early construction



2026-2031

Construction phase



2031

Cethana pumped hydro fully operational



2030/2031

Marinus Link expected to be fully operational

Hydro Tasmania

Cethana pumped hydro energy storage - Project Update July 2023

The Cethana project is part of Hydro Tasmania's *Battery of the Nation* vision to upgrade the existing hydropower system and add new pumped hydro.

Following an extensive options assessment, and previous community engagement, Lake Cethana was identified as our preferred pumped hydro site. We are about to commence a community consultation phase to support various studies and inform the project approvals process.

We are seeking Commonwealth, state and local government approvals for the project over the next two years. To commence this process, in late July 2023, we plan to lodge a referral to the Commonwealth Government under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act). Communities will have the opportunity to comment on the referral and will be consulted on the various studies that will inform state and local government approvals processes. You can read more on our project web page.

This is all part of our work to reach a Final Investment Decision, which is a commercial assessment of the project's viability.

About pumped hydro

As Australia's electricity market relies more on wind and solar generation, there is a growing need for energy in storage. Pumped hydro is one of those storage technologies.

About the project

The Cethana project would utilise the existing Lake Cethana as its lower storage. A new upper storage would be built on the western side of the existing lake and a new underground power station built between the two storages.

The construction workforce would be approximately 300 over a six-year construction period. The workforce would be accommodated in a mix of purpose built village and other accommodation types.



750 MW
Installed capacity



20 hours
Storage duration

We want to hear from you!

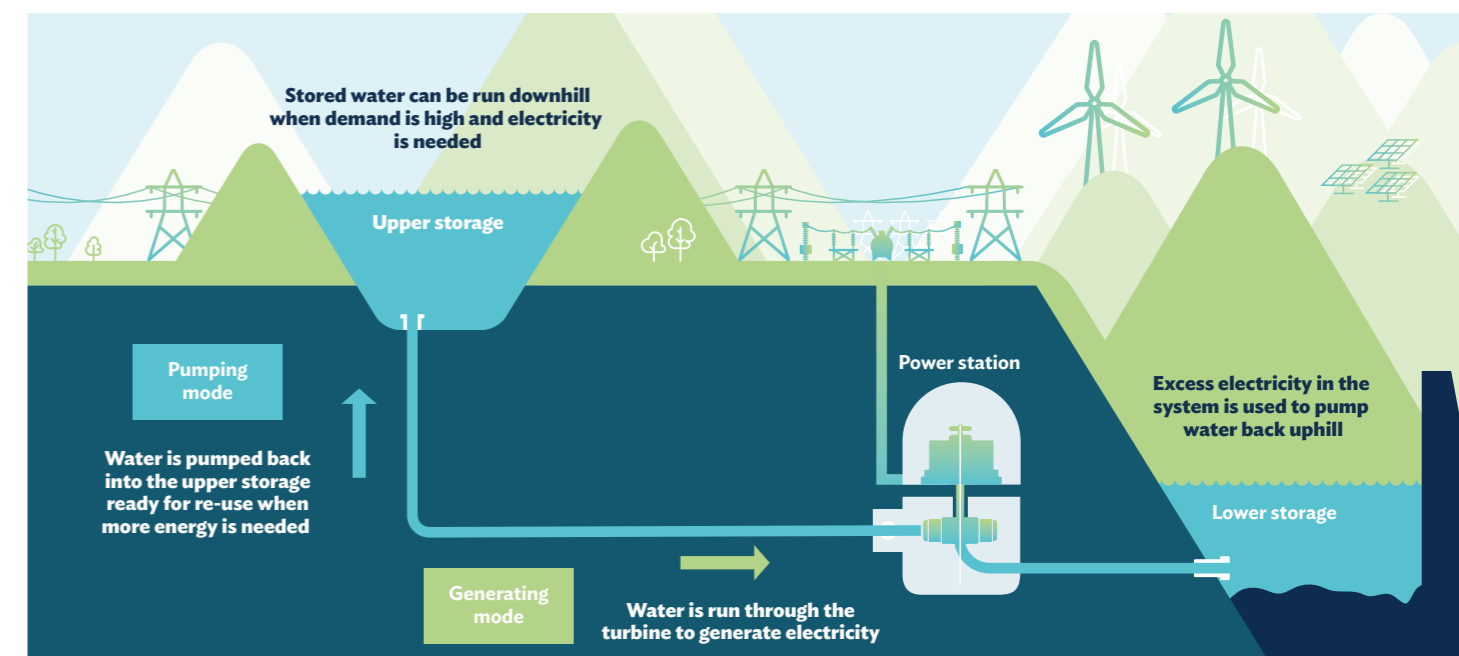
There will be a range of opportunities to talk to us over the coming 12 months so that we can better understand the views of the community and any concerns, issues and opportunities.

During August and September, we will be out in the community hosting project information sessions. Keep an eye on our project page and the Kentish Voice in coming weeks for more details.



In the meantime, we are always happy to discuss the project so please get in touch. Scan the QR code to visit the project site or head to <https://connect.hydro.com.au/cethana-pumpedhydro>

📞 1300 360 441 or
✉ pumpedhydro@hydro.com.au



Proposed Cethana pumped hydro project layout

1 SITE ACCESS

Construction vehicles will access the site from a new intersection off Cradle Mountain Road.

2 INTERNAL SITE ACCESS ROADS

Options to be considered during consultation include:

- 2a Dolcoath Road – One option is to utilise Dolcoath Road to access the lower intake and portal construction site. For safety reasons, this may require temporary closure of the road and the provision of alternative access arrangements.
- 2b New road – An alternative option is to construct a new access road to enable Dolcoath Road to remain open. This new road would cross the existing Dolcoath Road at two locations with site-specific safety measures installed at the crossings.

3 UPPER STORAGE

A new off-river upper storage would be constructed. The upper storage has an area of approximately 100 hectares and an estimated storage capacity of approximately 11 gigalitres. The upper storage will be lined and fenced.

4 TRANSMISSION LINE DIVERSION

The existing transmission line would be diverted around the new upper storage.

5 UNDERGROUND HIGH-PRESSURE TUNNEL

Water would be conveyed under pressure from the upper storage to a new underground power station through a new 1.5 km long high-pressure tunnel.

6 UNDERGROUND POWER STATION

Power would be generated by a new 750MW capacity power station.

7 LOW-PRESSURE TUNNEL

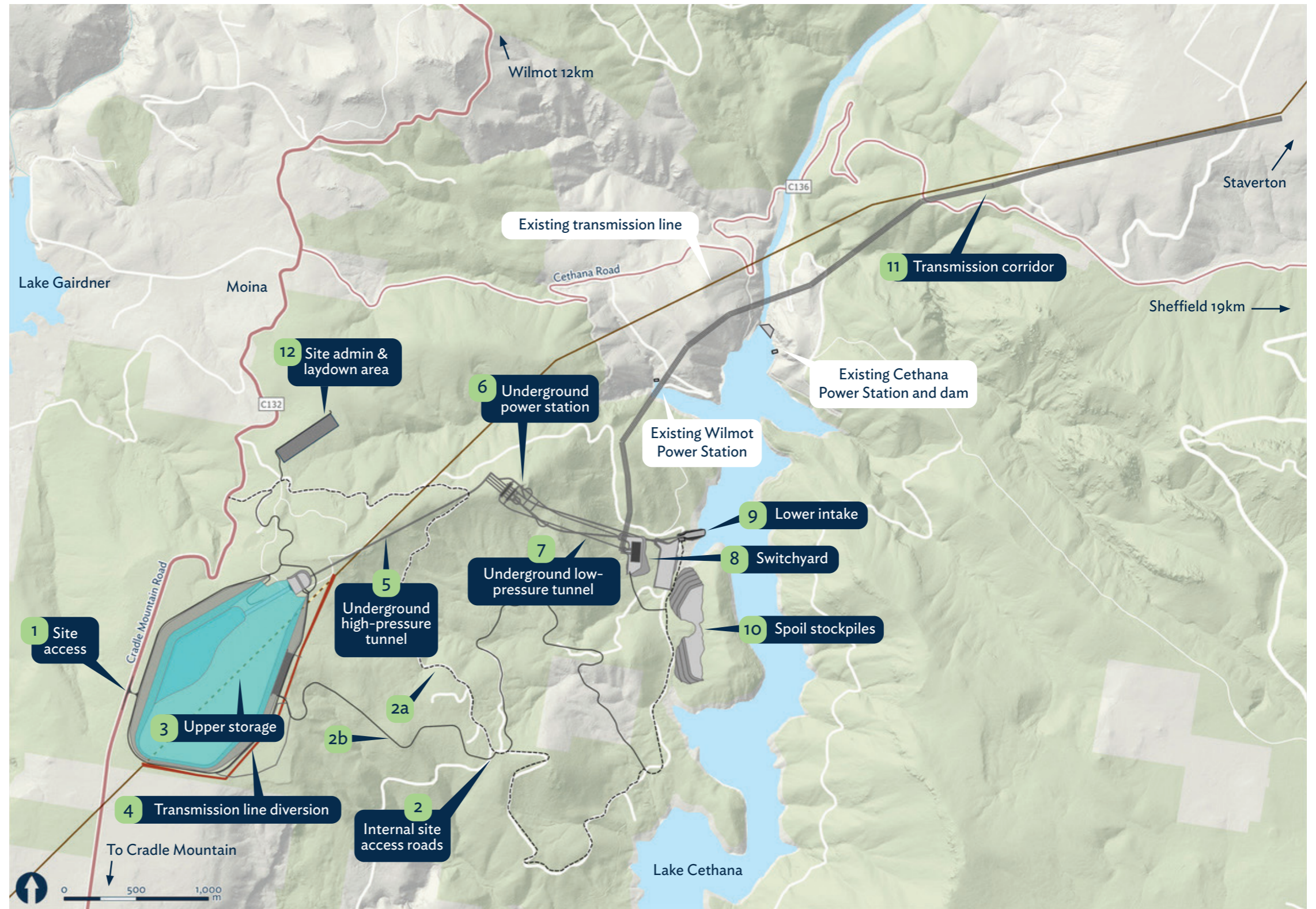
A new underground low-pressure tunnel from the new power station to Lake Cethana. Additional tunnels will provide for access and ventilation.

8 SWITCHYARD

A new above ground switchyard would provide connection to the new transmission line.

9 LOWER INTAKE

A new intake structure would be constructed on Lake Cethana. For safety and operational needs, a new exclusion zone would be created around the intake.



10 SPOIL STOCKPILES

During construction, spoil from tunnelling activities would be stockpiled. Stockpiles will be shaped and rehabilitated at the end of construction.

11 TRANSMISSION CORRIDOR

Approximately 7.5 km of new transmission line is needed to connect the new switchyard to the proposed TasNetworks substation at Staverton mostly along the existing corridor.

12 SITE ADMINISTRATION AND LAYDOWN AREA

During construction, equipment and materials would be stored at a dedicated laydown area.