

# Renewable Energy Programs

November 2024

The Renewable Energy and Storage Program is WaterNSW's plan to create cost-effective, large-scale renewable energy storage solutions that would reduce energy emissions, bring in jobs and training opportunities to regional NSW and put downward pressure on costs for WaterNSW and energy customers.

## Future plans

Building on the success of the Renewable Energy and Storage Program, WaterNSW is looking to identify more opportunities to bring to market for long duration pumped hydro energy storage projects.

WaterNSW expects to have more information on this next program in mid-2025.

WaterNSW is also hosting community drop-in sessions and a Feedback Survey to better understand local communities' views of potential pumped hydro energy storage projects in our regions. View the next page for more information.

For updates on these future plans visit [www.waternsw.com.au/renewableenergy](http://www.waternsw.com.au/renewableenergy).

WaterNSW has provided three developers with access to agreed WaterNSW-land to complete on site studies and support the planning assessment stage of their projects.

Projects underway include:

- **Phoenix Pumped Hydro Project Burrendong Dam – ACEN Australia**
- **Glenbawn and Glenties Creek Dam Projects – Upper Hunter Hydro**
- **Western Sydney Pumped Hydro Project at Lake Burragarang – ZEN Energy**

View the next page to check out how these projects are progressing.



**Reduce energy emissions**



**Align with State & Federal priorities**



**Grow and diversify regional economies; job and training opportunities**



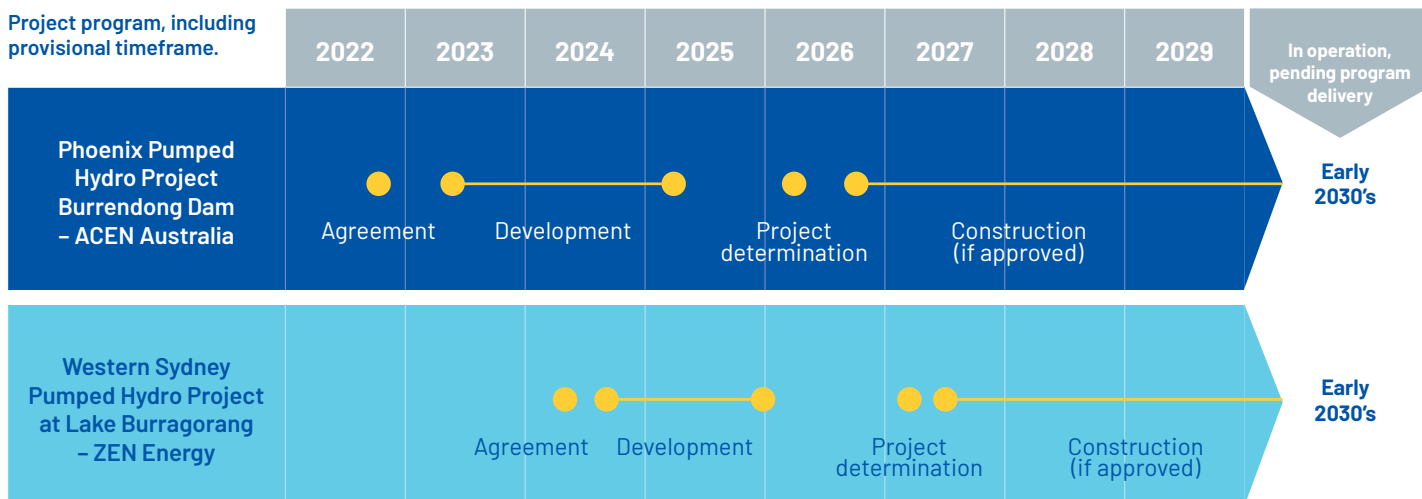
**Deliver energy security via local supply**



**Take cost pressure off WaterNSW and energy customers**

# Program update

Project program, including provisional timeframe.



Project program. Provisional timeframe under development.

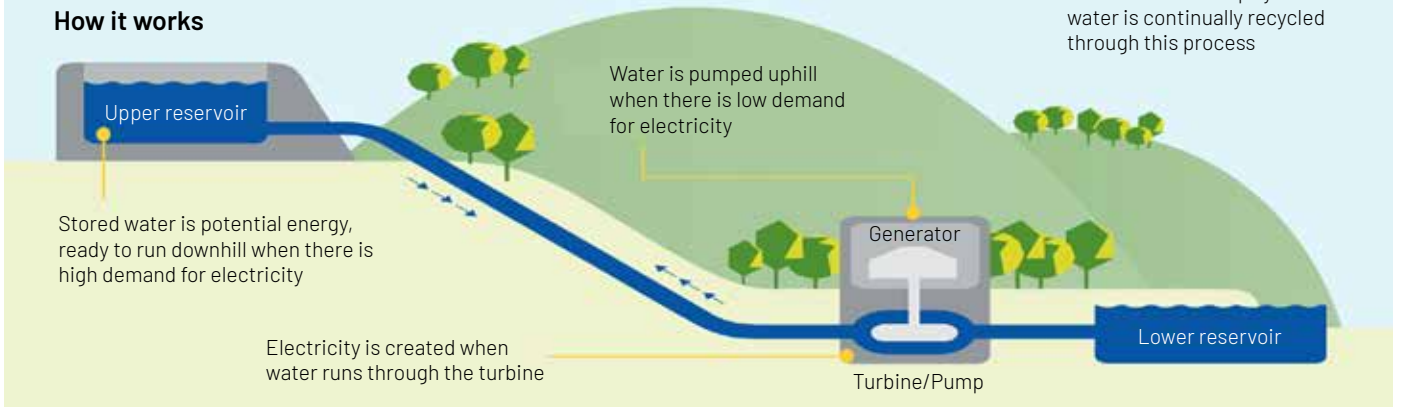




Glennies Creek Dam supplies water and regulates flows near Singleton, NSW.

## Pumped hydro

### How it works



## WaterNSW's renewable roadshow

We're hosting drop-in sessions in the regions where projects are in development, to get a better understanding of communities views on the program. Planned events are below:

- **Tuesday 26 November – Mudgee Scout Hall, Mudgee – 8am to 2pm (attending with ACEN Australia, as part of its Social Assessment Consultation)**
- **Sunday 9 February – The Valley Markets, Singleton**
- **Saturday 22 February – Wellington Rotary Markets, Wellington**

Visit [watnsw.com.au/renewableenergy](http://watnsw.com.au/renewableenergy) for regular updates on where and when you can meet the team.

## Have your say

Fill out our survey by Monday 17 March 2025 and help us understand your community's views about pumped hydro energy projects in your region. Scan the QR code or visit [watnsw.com.au/renewableenergy](http://watnsw.com.au/renewableenergy) to view the Feedback Survey and have your say.



## More FAQ's

For a full list of the program's Frequently Asked Questions, visit [watnsw.com.au/renewableenergy](http://watnsw.com.au/renewableenergy).



The Western Sydney Pumped Hydro Project by ZEN Energy would utilise a former colliery, in Nattai

## Project spotlight - Phoenix Pumped Hydro Project by ACEN Australia

The Phoenix Pumped Hydro Project by ACEN Australia is making solid progress, with numerous key milestones complete since our agreement was signed in late 2022.

In 2023 the prefeasibility studies were complete, which considered design options, costs, risks, and project timelines and confirmed the viability of the site. A Preliminary Environmental Assessment (PEA) was also carried out to guide future environmental approvals. The project also identified a preferred route for its transmission line, and the procurement process identified with five contractors or ventures to help deliver the project.

Most recently, geotechnical site investigations were complete in mid-2024. This work is essential in understanding the sites ground conditions, and informing the next stages of the planning and approval process.

Technical studies for the Environmental Impact Statement (EIS) are now underway, and environmental and social assessments are planned for late 2024.

The project is targeting an installed capacity of over 800MW and 12 hours of storage capable of delivering up to 9,600MWh of energy, and will have purpose built, off-stream, upper and lower storage reservoirs connected by a tunnel or pipeline to a powerhouse containing pump-turbine units. It would create up to 50 long term operational jobs, and up to 600 during peak construction.

For regular updates, visit [acenrenewables.com.au/project/phoenix-pumped-hydro](https://acenrenewables.com.au/project/phoenix-pumped-hydro).

ACEN Australia's Social Investment Program supports local projects that enhance the liveability and vibrancy of the local community.

Some local events and organisations supported by the project include Friends of Burrendong Arboretum (pictured), Business Mudgee's Rural Women's Day Lunch, Mudgee Reader's Festival, Max Potential Mudgee, Mid-Western Working Horse Association Incorporated and Country University Centre- Mudgee.



*Friends of Burrendong*



*Burrendong Dam, located on the Macquarie River near Wellington, NSW.*

### Contact us

Reach out to the program team via [engagement@waternsw.com.au](mailto:engagement@waternsw.com.au) or 1300 662 077