

Phoenix Pumped Hydro

Renewable Energy from ACEN

LOCATION:

Central-West Region
NEW SOUTH WALES

AT A GLANCE:



Contribute to **NSW renewable energy targets**



Max storage capacity of **15 hours**



Employ and **buy local** commitment



Installed capacity of up to **800MW**



Shared benefits through **community** benefit funding



Up to **600 jobs** during peak construction

About the **project**

ACEN Australia, with the support of the NSW Government, is progressing feasibility studies for the proposed Phoenix Pumped Hydro Project, a large-scale, long duration renewable energy storage facility.

ACEN Australia is proposing to develop an 800MW pumped hydro project, **35km west of Mudgee**, within the NSW Government's Central-West Orana Renewable Energy Zone (REZ).

The REZ is made up of several proposed renewable energy generators including wind and solar that will provide a low-cost source of energy for consumers.

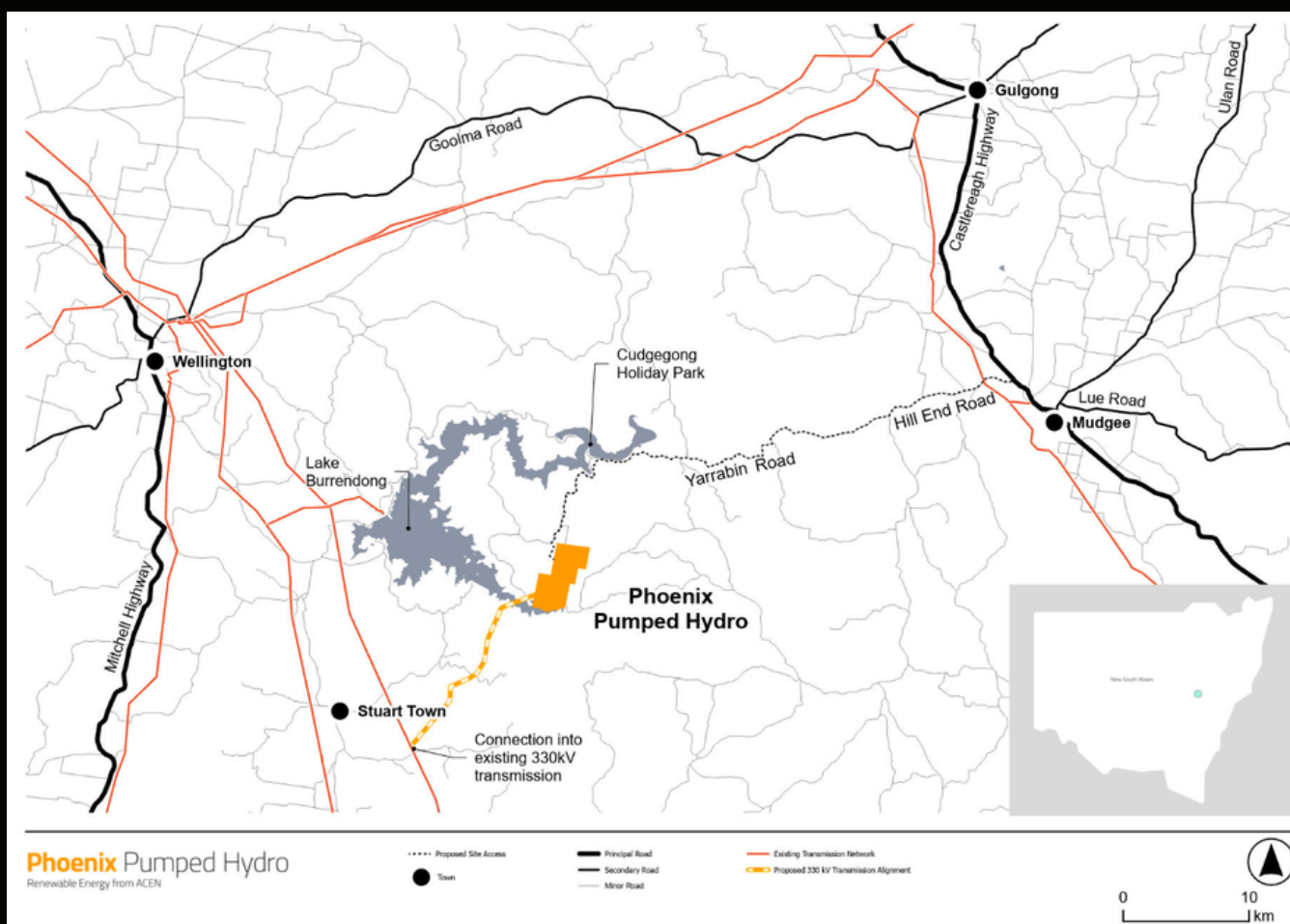
Phoenix Pumped Hydro will firm these renewables by providing large amounts of long-duration storage to keep the lights on even when the sun isn't shining, and the wind isn't blowing.

The Project will have storage sufficient to deliver power output of **800MW for 12 hours**, with total storage for **a maximum of 15 hours**.

The project will have purpose built, off-stream, upper and lower storage reservoirs connected by a tunnel to a powerhouse containing pump-turbine unit.

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The Project was selected for a Long Term Energy Service Agreement (LTESA) under the NSW Electricity Infrastructure Roadmap.

ACEN Australia considers the LTESA an excellent mechanism to mitigate key risks around developing large and complex projects such as Phoenix Pumped Hydro by helping to provide greater revenue certainty. Large scale pumped hydro projects will help deliver positive outcomes for electricity market consumers in terms of reliable, renewable and affordable electricity.