

New Dungowan Dam

February 2020



Replacing the current Dungowan Dam with a new, larger dam will improve water availability and security in the Peel Valley.

Background

WaterNSW has released a 20-year infrastructure options study for rural river valleys which addresses future challenges in operating regulated river systems. The objective of the study was to guide water infrastructure investment by all levels of government.

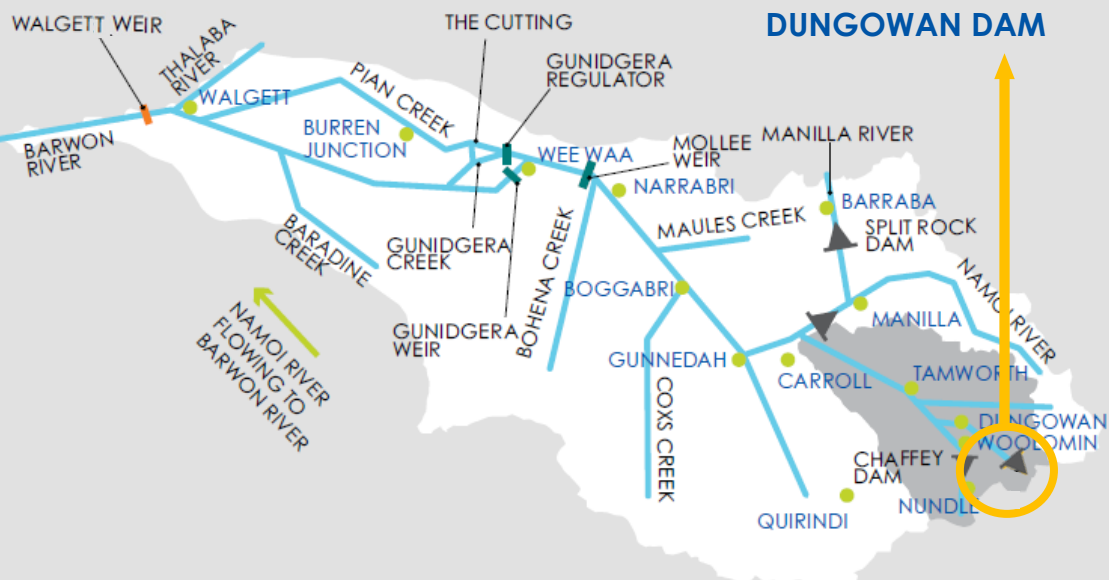
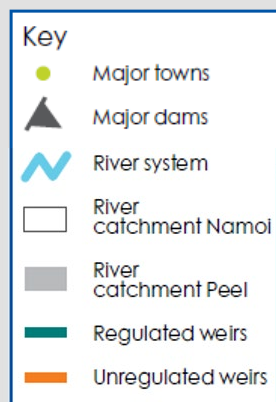
Prime Minister Scott Morrison and NSW Premier Gladys Berejiklian have announced a jointly funded package of around \$1.1bn for the planning and delivery of three new or augmented dams in NSW. This includes the replacement of the existing Dungowan Dam near Tamworth.

The Peel Valley supports Tamworth and other smaller townships, as well as irrigated agriculture and industry.

The principle objective of the Dungowan Dam project is to secure the long-term water supply security for the regional city of Tamworth. Further, the project will enable future population growth for Tamworth, which together with an already-augmented Chaffey Dam will maintain a productive level of general security reliability and water use for irrigation. Over time, this objective is expected to underpin water affordability that will support broader agricultural productivity benefits for the region.

\$480M Estimated cost

22.5GL Total storage capacity



Estimated timeline

Community Engagement

- Oct 2019**
Commenced project planning
- Jan 2020**
Initiated environmental assessment
- Mar 2020**
Commence detailed investigations and design
- Oct 2020**
Commence early works
- Jun 2021**
Complete final business case
- Oct 2021**
Commence construction
- Construction is expected to take 4 years dependent on design.

Project details

- A new 22.5 GL Dungowan Dam on the Dungowan Creek, approximately 3.5 km downstream of the existing Dungowan Dam
- A new 55km delivery pipeline from the new Dungowan Dam to the Calala Water Treatment Plant
- Decommissioning/partial decommissioning of existing Dungowan Dam

Key benefits

- Increases town water supply by around 7GL per annum
- Improves general security reliability and delivery efficiencies
- Ensures 5.65GL average annual use for agriculture
- Supports Peel drought work
- Replaces ageing infrastructure

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