

# Project Summary

## Peel Drought Relief Project

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CLIENT	WaterNSW
LOCATION	Tamworth - NSW
PROJECT VALUE	Approx. \$30 Million

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### Project Description

2019-20 - WaterNSW proposed infrastructure to improve the security of water supply to Tamworth due to the current drought conditions. The project involves installing a temporary structure in the Peel River at Dungowan, together with pumping and pipeline infrastructure at Dungowan (Stage 1). This would be followed by a permanent pipeline and pump station to connect Chaffey Dam to the existing Dungowan Pipeline (DPL) at Dungowan (Stage 2). Hydraulic modelling, optimization and detailed design of the proposed project components was carried out. The project entailed detailed design of approximately 20 km of DN750 potable water pipeline serving the Tamworth together with the detailed civil, mechanical, electrical and telemetry design and documentation of the major Chaffey Dam pump station. Scope also includes the preparation of O&M manuals and as-constructed information.

Facets of work completed include:

- Pipeline hydraulics and modelling
- Pump Station Design – Mechanical
- Pumps Station Design – Electrical
- Telemetry
- Technical Support during construction phase
- Operation Manuals
- As-constructed documentation

