

edison

# Generator Transformer Replacements

**INDUSTRY SECTOR:** Generation - Hydro  
**EDISON SERVICE:** Project Delivery, Technical Support  
**CLIENT:** Mighty River Power



## Project Overview:

Mighty River Power is undertaking a replacement programme of the power transformers at its hydro power stations throughout New Zealand. In 2009/2010 four 11/220 kV transformers were replaced - three at Maraetai and one at Whakamaru power stations.

The existing transformers were single phase units while the new ones are three phase. This technology upgrade was a key challenge for this project, requiring significant civil modifications to be undertaken at each site to accommodate the new units.

## Edison Delivery:

Edison provided Might River Power with project delivery and technical support for all transformer replacements.

The project delivery role included resolving daily site queries and issues, issuing of notice to contractors, reporting on site progress to Mighty River Power management, ensuring complete installation works completed, liaising with station staff, contractor and major equipment suppliers, confirmation of payment claims from the contractor.

## Client Feedback:

*“Edison was the site coordinator for the work at Whakamaru and also became involved in work at Maraetai for the transformer upgrades.*

*Edison provided an excellent service in terms of coordinating the people involved, the contractor, consultants and Might River Power & ABB site staff, as well as reporting back to the Mighty River Power project manager.”*

*Craig Tomlinson, Mighty River Power*