



Spillway Gate Lifting System Replacement Project

Project	Spillway Gate Lifting System Replacement Project
Client	Contact Energy Ltd
Contractor	Fulton Hogan Civil Ltd
Location	Roxborough Dam, Otago
Date	April 2003- April 2004
Brief	To cut for removal four columns, as part of the removal of three counter weights used to lift the sluice gate

The removal of four columns and three counterweights, reaching over 15 metres above the dam, required a technical and well executed cut and removal plan by Lowery Supa Cutters. Weights of blocks were accurately calculated before cutting to ensure weights remained within the maximum lifting limits of the site crane. Section by section the columns were cut by wire sawing and dismantled with the assistance of Fulton Hogan operating the site crane. In total, over 800 tons of concrete was cut by wire sawing and removed off site for disposal.

The project was completed successfully in two phases, spanning seven months in total. Notably Lowery gained bonuses and recognition for a perfect 'no accident' record in completing the work.