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Barrhill-Chertsey Irrigation Scheme in New Zealand

Water Dynamics and Tyco Flow Control teamed with Water Infrastructure Group in New Zealand to deliver the Barrhill-Chertsey Irrigation Scheme in Mid-Canterbury near Methven one hour south of Christchurch.

Mid Canterbury farmers have few alternative sources of water and the new irrigation scheme will provide for more balanced use of the district's water and energy resources by easing pressure on ground water resources and reducing energy consumption for pumping. The scheme will also provide further ground water recharge in the lower plains.

Doug Whimp, Water Dynamics Manager New Zealand, said that the project provided an innovative approach to infrastructure delivery.

"During last year's drought, farmers in the area had far lower yields than normal. We've been able to put together an affordable alternative to deliver an irrigation scheme that will provide them with more water security to sustain their businesses next year and in the future".

Aynsley Griffith, Tyco Flow Control Business Development Manager, said "Tyco Flow Control's unique ability to provide complete turn-key irrigation solutions ensured Barrhill Chertsey Irrigation received an end to end solution encompassing design, product supply, construction and project management".

The project involves supply and construction of a pressurised polyethylene pipeline network to irrigate approx 5600 ha of land between the Rakaia and Rangitata Rivers.

The high density polyethylene pipe is manufactured in New Zealand by Tyco. The main pipeline has been designed to distribute 2500 litres per second to forty off-takes located on properties which hold Barrhill Chertsey Irrigation shares. The pipeline network has been designed to accommodate a future capacity of 6500 litres per second, sufficient to irrigate up to 14,500 hectares.

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