

Eastern Irrigation Scheme



Delivering Class A recycled water to growers in Melbourne's south east



Under contract with Melbourne Water, TRILITY operates one of the first Class A water recycling schemes in Australia delivering reuse water to local growers.



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Key drivers behind the scheme include security of water supply for growers and sporting facilities as well as making a significant contribution to Melbourne's water recycling targets.

The Eastern Irrigation Scheme was the first Class A water recycling scheme in Australia. Today, it delivers Class A recycled water for residential, recreational use and food production utilising Class A water from Melbourne Water's Eastern Treatment Plant.

This water is distributed through a 70km pipeline network to 80 customers in a 170km² area around Cranbourne.

The original drivers behind the scheme were security of water supply for growers and sporting facilities in the Cranbourne and Clyde area so that these businesses could continue to develop, as well as making a significant contribution to Melbourne's water recycling targets.

As a result of ongoing drought, many customers now find that their businesses are totally reliant on recycled water over summer.

Since it was commissioned, the Eastern Irrigation Scheme has supplied up to 5 GL of class-A recycled water per year, with a capacity to deliver up to 10 GL.

The Eastern Irrigation Scheme also has additional recycled water available for supply to customers. Any new or additional supplies can only be undertaken where there is existing capacity in the pipe network.



Who

Melbourne Water

What

Class A recycled water is distributed through a 70km pipeline network to over 80 customers in a 170km² area around Cranbourne, for horticulture, recreational, industrial and residential use.

Where

Cranbourne, Victoria

Why

To provide irrigated water to the local irrigators and reduce environmental impact, being discharged to the marine environment.

Awards

2006 International Water Association, Project Innovation Award.

Snapshot

Client	Melbourne Water
Type of Contract	Build, Own, Operate and Transfer (BOOT)
Facilities	Pumping station and networks
Technology	Ultrafiltration Norit and Pall membranes
Design Capacity	10 GL per year
Term	25 year concession
Capital Cost	c. \$25m



For further information

TRILITY Communications
TRILITY Pty Ltd
Level 10, 115 Grenfell Street
Adelaide SA 5000
T: +61 8 8408 6500
E: adloffice@trility.com.au

Visit us online at:
www.trility.com.au

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