

Toolern Precinct Structure Plan

The Toolern Integrated Water Management Project commenced in May 2009 and involves a wide range of stakeholders. Objectives include the minimisation of potable water consumption generated by the development, and the utilisation of all water resources including rainwater, recycled water, greywater and stormwater.

Kalkallo Integrated Water Strategy

Kalkallo is a township north of Melbourne, where a 1,200 hectare industrial precinct development is planned for construction over the next 10-15 years. Melbourne Water is working with Yarra Valley Water and Hume City Council to merge design of the development's water supply, sewerage services and stormwater system. Each of these is interlinked through the water cycle, nutrient cycle and carbon cycle, and designing them together seeks to achieve a more sustainable solution than that which could be achieved via the traditional methods of designing them separately.

Doncaster Hill

Doncaster Hill is a 58 hectare area located in the suburb of Doncaster. In October 2008, Manningham City Council, Yarra Valley Water and Melbourne Water signed a Memorandum of Understanding to investigate opportunities to develop an integrated approach to water infrastructure across the Doncaster Hill Principal Activity Centre. The project aims to produce an integrated urban water management strategy for the Doncaster Hill area that is more environmentally sustainable than traditional planning methods, and accordingly produce a template for others to use in future planning.

City West Water alternate source plans

South East Water integrated water strategy (in development)










Pentridge Village

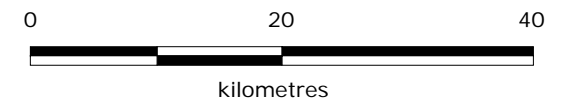
Rainwater recycling systems are being installed as a standard feature in the new generation of homes and terraced homes at Pentridge Village. The integration of these systems enable individual residents to water their garden from a personal supply tank, discretely located on their property. The Park Heights Apartments residents in Pentridge Village will experience lower domestic water expenses through the advanced technology of greywater recycling. Waste water collected from baths, showers, basins and troughs is intensively filtered and heat-processed before being stored in a communal reservoir for use in toilet cisterns, garden watering, car washing and external building maintenance. This recycled water will also be used for irrigation purposes.

Southbank Integrated Water Strategy

A draft Southbank Integrated Water Strategy is currently being developed for inclusion in the City of Melbourne's Southbank Structure Plan. The strategy considers the inter-related components of integrated water management, namely demand, supply sources, infrastructure, resource recovery and the water-energy relationship. To reduce demand on potable water, alternative supply sources being considered include recycled wastewater (through sewer mining), stormwater and rainwater.

Legend

-  Council integrated water strategy project
-  Water supply retailer project
-  Main town
-  Natural waterway
-  Modified waterway (channel)
-  Underground drain
-  Municipal boundary
-  Waterbody
-  Melbourne Water drainage and waterways area



Scale at A3 1:600,000

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