

FEDERATION SQUARE

www.fedsquare.com

In April 2006, Fed Square Pty Ltd signed a Memorandum of Understanding (MOU) with City West Water, formalising its commitment to sustainability. Fed Square has been working in partnership on water conservation and promotion initiatives and has also developed an Environmental Management Plan and Policy Statement (early 2006).

Water Management

- Installed water tanks holding 100,000 litres in the north services tunnel under Federation Square. Tanks collect roof water from the Alfred Deakin Building and Atrium roof. The water will be used to flush the public toilets at Federation Square. This project was jointly funded by Fed Square and the Australian Government's Community Water Grant
- Improvements to the operation of the cooling towers by increasing the cycles of concentration
- Installation of a more efficient chemical dosing controller system
- Installation of reverse osmosis filtration system to recycle discharged water back into the cooling towers
- Constructed a rain garden in the Fed Square car park which filters stormwater runoff before it enters the Yarra River. Work undertaken in partnership with Melbourne Water
- Installed 9 water tanks (capacity 40,000 litres) to collect stormwater runoff from the plaza to water the garden beds along River Terrace. This system also uses Class A recycled water
- Installed 4 water tanks (capacity 18,000 litres) in the loading bay collecting stormwater from Russell Street to use for cleaning and irrigation purposes
- Installation of flow restrictors to all public toilet hand basins
- Planting of water efficient vegetation including synthetic grass
- Installation of 11 waterless urinals
- Installation of AAA showerheads in 12 showers
- Installation of more water efficient sprinkler heads in gardens and rain sensors to stop sprinklers coming on (in accordance with any water restrictions current at the time)
- Display of water conservation messages daily on LED message wall.

Waste Management

- Implementation of co-mingle collection from tenancies
- Implementation of paper recycling to office areas and tenants
- Implementation of organic and commingle recycling to office areas
- Implementation of organic waste collection from restaurants and cafés
- Implementation of collection and recycling of used light globes
- Education to tenants on waste recycling and auditing the general waste compactor to evaluate education
- Corporate member of the Green Collect program
- Member of the Green Table program through Restaurants and Catering Victoria.

Energy Management

- Purchasing 35% of Federation Square's electricity as Green Power
- Installation of sensor lighting in low use office and back of house areas
- All back of house lighting has been altered to go to half lighting mode between 6pm to 6am

- Installation of flurosave device on fluorescent lights in car park and back of house to reduce power consumption
- Installation of electronic timed switches and motion sensors in staff toilets and lunch rooms
- Installation of daylight sensors in car park to turn off lighting
- Sponsored Sustainable Living Festival to be 100% Green Powered in February 2008
- Installation of thermal energy meters to monitor and improve efficiency of the sites air conditioning system.

Other

Current Community Involvement and Partnerships

- MOU with City West Water
- Water wise LED messages
- Focal point for environmental promotions e.g. shower/hose exchange
- Sustainable Living Festival
- Participation in the Earth Hour event in March 2009
- Partnership with AGL for Light in Winter Inherent design features within Fed Square
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- Labyrinth air conditioning system is a passive air conditioning system requiring no chilled water for Atrium and foyer areas
- Double glazing on all external windows
- Escalators have a sleep mode when not in use
- NGV Galleries have a hermetic seal when they are closed for the evening reducing air conditioning requirements by over 50%
- Variable speed drives on air conditioning pumps and fans reducing constant electricity usage
- Lighting system which is able to dim public lighting when not required e.g. on a bright day when the Atrium is filled with natural light.