

Case Study

Monash University

Monash University is leading the way in corporate social responsibility by engaging in environment and sustainability teaching, research and practice. Since 2002 Monash has developed and installed innovative water harvesting projects and reduced the amount of water used per effective full time student by 25%.



About Monash University

Monash University is one of Australia's largest, with eight campuses locally and internationally. The original Clayton campus is the largest and is set on one hundred hectares of landscaped grounds and over 80 buildings. Approximately 24,000 students study in the eight faculties of Arts, Business and Economics, Education, Engineering, Information Technology, Law, Medicine, Nursing and Health Sciences and Science.

Environmental Sustainability: Teaching

Monash University is shaping sustainable futures through the tuition of courses that foster environmental sustainable outcomes within all faculties.

Environmental Sustainability: Research

Research contributions include, green chemistry, climate change impacts mitigation and abatement, bio-fuels development, water systems modelling, river management, biodiversity and urban water treatment.

Environmental Sustainability: Practice

Driven by corporate responsibility, Monash University practices sound management of its operations and impacts through: waste management; water efficiency and harvesting; energy efficiency and onsite renewables; sustainable transport; Green IT; sustainable foods and other procurement; and the Green Workplace Program, which engages both staff and students.

Water Efficiency and Harvesting Initiatives

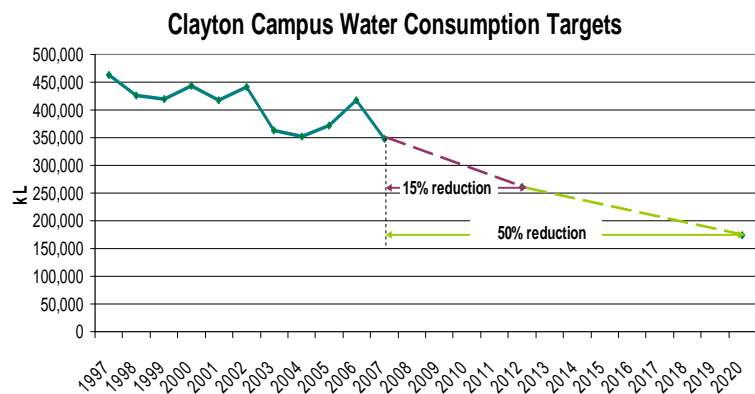
Monash University has partnered with Yarra Valley Water in water management for over 10 years. The following initiatives are among those achieved within the Clayton campus.

- Development and installation of a biofilter that allows carpark run-off to be treated for reuse on sports grounds, while also providing an ongoing teaching and research facility

- Stormwater harvesting and reuse for cooling tower make up, process cooling, toilet flushing and University grounds
- A comprehensive water audit facilitated through Yarra Valley Water, which resulted in pressure and flow control valves being installed on most domestic plumbing fittings.
- Conversion of over 200 exposed flushometers to low flow dual flush fittings.
- Participation in the support 155 business program through the exchange of 180 shower heads and engagement with small businesses onsite.

Making an impact

Monash University aims to reduce water use by a further 50% by 2020 as indicated in the figure below. This will be achieved by further improving the efficiency of cooling towers; transitioning sportsgrounds to warm season grass and stormwater harvesting projects onsite.



For more information

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