

SUSTAINABILITY AT RMIT

City Campus Sustainable Design Features

RMIT is dedicated to ensuring the built infrastructure of the University has sustainability as a core principal, both in the construction and management of buildings. RMIT aims to achieve a 4-star Green Star* rating for all building refurbishments and a 5-star Green Star* rating for all new construction projects.

RMIT City Campus buildings have a range of sustainable design features. This map has been designed to highlight a number of current and recent key projects.



THE DESIGN HUB

Under construction this innovative 5 star Green Star* design includes a 'smart' skin of glass cells to shade the building with potential to harvest solar energy; rain and grey water harvesting; a closed loop cooling tower; energy-efficient lighting and a building automation system.



THE SWANSTON ACADEMIC BUILDING

Due for completion in 2013 the Swanston Academic Building is designed as a 5 star Green Star* building. Sustainability features include grey water recycling; rainwater harvesting; solar hot water; natural light; natural ventilation; high efficiency double glazing and sunshades.



BLACK WATER TREATMENT PLANT BUILDING 10

A black water treatment plant is now operationable on the City campus. Linked to RMIT research, the plant will treat 5,000 litres of sewerage per day using the latest available technology to produce Class A recycled water. The recycled water will initially be used for landscape irrigation and display fountain use and ultimately will be extended for use in toilet flushing in Building 10.

ENERGY EFFICIENCY BUILDINGS 8, 10, 12, 14

Comprehensive infrastructure upgrades focused on energy conservation are being delivered on the City campus. Projects include a chilled water pipe extension under Swanston Street; Building Automation System (BAS) upgrade works; cooling tower and instrumentation works; and a central chilled water plant upgrade, including a chilled water pipe loop to the southern corner of the campus.



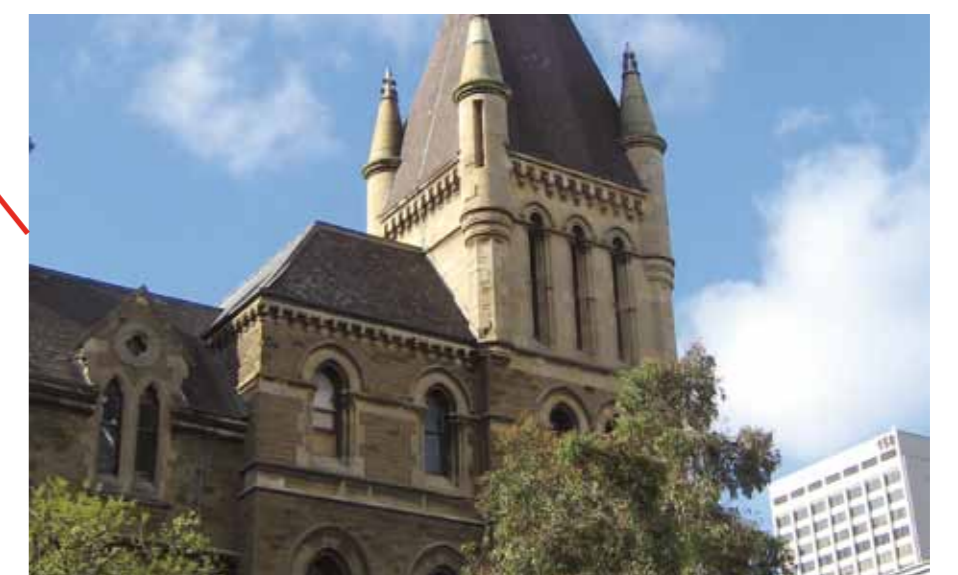
RENEWABLE ENERGY TRAINING

The roof of Building 57 provides renewable training facilities for fourth-year electrician apprentices. Solar panels, hot water units, a sheltered seating area for students and a Marschallin Box Room in which energy readings are taken from solar panels have been installed.



SCHOOL OF MEDIA AND COMMUNICATIONS

The extension of Building 9 has integrated sustainable design features, including rainwater collection tanks, natural ventilation, energy efficient lighting and chilled beam technology.



FRANCIS ORMOND BUILDING

The Building 1 refurbishment has water harvesting for landscape irrigation; natural light; energy-efficient lighting; a solar hot water system; north-facing courtyard; and revival of period features to ensure heritage conservation.

*Green Star Rating based on GBCA Education Rating Tool V1.