



Australian Government

WATER for the FUTURE

Green Precincts Fund The Grove Library Project

Recipient: Shire of Peppermint Grove, Western Australia

Funding: \$1.5 million

The Australian Government has granted funding to the towns of Cottesloe and Mosman Park and the Shire of Peppermint Grove for their *Grove Library Project*.

The project is a joint initiative to develop a library, community learning centre and administration offices in Perth, Western Australia, which incorporate ecologically sustainable design features and technologies.

The *Grove Library Project* is one of a number of high-profile demonstration projects to be undertaken with funding from the *Green Precincts Fund*.

Key initiatives of the *Grove Library Project* include:

- climate-sensitive building design including thermal maze, in-ground heat exchange and double glazed windows
- installing renewable energy – a 20kW capacity photovoltaic system, a solar hot water system and a wind turbine system generating an estimated total of 47,000 kWh a year
- installing energy and water efficient fixtures and fittings, including sensor lighting control and waterless urinals
- a rainwater harvesting system connected to 258,000L capacity storage tanks
- treating and reusing wastewater and stormwater onsite.

Several innovative technologies and features will be incorporated into the buildings and landscape of this site. The development will tackle key environmental challenges by achieving measurable reductions in energy and water consumption.

A series of sustainable workshops and events, community forums, and school programs will be designed to give participants practical first-hand information on the smart design ideas and lifestyle changes they can incorporate into their own lives.



Artist's impression of Grove Library
(Newforms Landscape Architecture, Pty Ltd)

Annual savings

Water: 1.5ML **Energy:** 193,000 kWh
CO₂ emissions: 167 tonnes

The *Green Precincts Fund* is an Australian Government initiative to prepare Australia for a future with less water and to encourage local communities to better manage their water and energy use for current and future generations.

More Information

Water for the Future - www.environment.gov.au/water

Green Precincts Fund - www.environment.gov.au/water/policy-programs/green-precincts

The Grove Library Project - www.thegrovelibrary.com

For further information on the *Green Precincts Fund* you can email greenprecincts@environment.gov.au or call 1800 218 478.

ML = Megalitres kWh = kilowatt hours

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Water for the Future is a long-term plan to secure the water supply for all Australians. The Government is investing \$12.9 billion over 10 years to address four key priorities:

- Taking action on climate change
- Using water wisely
- Securing water supplies
- Supporting healthy rivers