

Sustainable Architecture

Green Building Council Green Star Rating

Incorporating both Central Thermal Plant and Water Recycling Plant into the heart of the development, One Central Park successfully achieves a 5 Star Green Star design rating under both the Multi Unit Residential PILOT and Retail Centre v1 Green Building Council of Australia assessment systems.

Water Recycling

The water reclamation plant has been designed to deliver 100% of the non-potable water needs for the entire Central Park precinct. As defined by the Australian Guide for Water Recycling the plant will produce only grade 'A' water quality to the site.

Central Thermal and Electrical Plant

Located over two levels of the Western Basement, the Central Thermal Plant houses the tri-generation system and the thermal plant for the precinct for the purposes of:

- Electricity supply to the thermal plant and grid [buying back electricity for the precinct at a reduced rate].
- Provide cooling and heating energy to the mechanical air conditioning systems serving the buildings across the site through the chilled and hot water distribution systems.
- Provide hot water to the buildings across the site for domestic hot water needs including bathrooms basins through hot water distribution.
- Reducing greenhouse gas emissions from the precinct operation.
- Meeting energy efficiency objectives for the precinct.

Improved Amenity

- Open slots in the façade to achieve a high proportion of apartment cross ventilation;
- Open slots in the facade extend through to the common corridor spaces for natural light.
- Maximising natural light with performance glazing to the apartments and retail spaces
- Apartments fitted with white goods selection and smart meter technology for energy and water efficiency.
- Climbing planting strategies to the façade to give seasonal external shading to apartments.
- Extensive planting through the facades of the apartments and retail spaces for improved amenity.

