



Environmental energy efficiency saving report

1. WATER EFFICIENCY

Basix Water Score	50/40 – BASIX Certificate Number 132819M
Initiatives	<p>Water efficient fittings greater than the 3 Star standard fittings to assist in reducing the water consumption for the building:</p> <p>COMMON AREA FIXTURES</p> <ul style="list-style-type: none">• 20,000 Litre Central Rainwater Tank for irrigation & car washing bays.• 6-star rating (WELS Scheme) for common area tapware.• 4-star rating (WELS Scheme) for all common area toilets.• Fire sprinkler test water must be contained in a closed loop system.• 500m2 of Indigenous and low water use species. <p>APARTMENT FIXTURES</p> <ul style="list-style-type: none">• 4-star rating (WELS Scheme) for all toilets.• 6-star rating (WELS Scheme) for kitchen and bathroom tapware.• 4-star rating (WELS Scheme) for shower head (> 6L but <= 7.5L/min).• 4-star rating (WELS Scheme) for Dishwashers.• 4-star rating (WELS Scheme) for Clothes washers.

2. COMFORT LEVEL AND PASSIVE DESIGN

Average NatHERS Star Rating	The proposed residential development will enjoy a high level of thermal comfort gaining a high average NatHERS rating.
Initiatives	<ul style="list-style-type: none">• High-quality glazing system to standard windows.• High-quality Thermally Broken Double-glazing systems in some units to maximise the thermal comfort while enjoying high level of daylighting.• At least R2.0 insulation to external walls. The total R-value for the wall system of approximately R2.24.• At least R0.9 insulation to suspended floor above basement, carpark and outside-air.• R3.0 insulation to ceiling where required in accordance with the thermal specification for the project.• Maximise use of efficient LED lights, and light switches to be located at room exits to encourage switching lights off when leaving a room.

3. ENERGY EFFICIENCY

Basix Energy Score	35/25 – BASIX Certificate Number 132819M
Initiatives	<ul style="list-style-type: none">• 60 kW Renewable PV Solar system for the common area to offset energy requirements from the grid.• LED energy efficient lighting for all residential units.• Light efficiency measures in the carparks using time clock and motion sensors.• Single phase EER 3.5-4.0 energy efficient air conditioning systems for the residential apartments.• Gas cooktop & electric oven.• 4-star rating Dishwasher.• 7-star rating Clothes Dryer.• 2.5-star rating Clothes Washer.• Central Gas-fired Boiler Hot Water System to reduce energy bill and greenhouse gas emissions.

4. TRANSPORT

Transport emissions are one of the largest contributors of greenhouse gas emissions in Australia. The Green Building Council of Australia (GBCA) encourages the utilisation of alternative and mass transit forms of transport by limiting the availability of private vehicle spaces.

Commuting Using Public Transport	<ul style="list-style-type: none">• The development is in close vicinity of the well-established public transport facilities including rail, metro and bus routes travelling to destinations including Central, Gordon, Parramatta and Tallowong.• Pedestrian footpaths are provided on all streets surrounding the site, with suitable verges and widths.• Surrounding the site includes some off-road and on-road cycleways to promote alternative travel measures to surrounding areas.
Non-Motorised Transport	<ul style="list-style-type: none">• 148 Bicycle Spaces and 10 motorcycle bays have been provided to help minimising the requirement for individual motorized transport.
Low Emission Vehicle Infrastructure	<ul style="list-style-type: none">• 299 Parking Spaces with provisions for EV charging, and 26 bike charging stations to support the uptake of low emission vehicles.

