



# WATTBLOCK RATING REPORT

## PRE-ASSESSMENT

Owners Corporation  
 1 Sample Street  
 Sydney NSW 2000

Block Type: High Rise  
 Total Floors: 16 + 4 Parking  
 Total Units: 82  
 Age of Block: 41 - 50 Years

*Estimated Water Usage*

Common Electricity: 166,412 kWh | Common Gas: 0 MJ | Common Water: 13,900 kL

### RATING ESTIMATES

Calculations indicate a 3.5 star energy rating and a 2.5 star water rating based on data provided.  
 Building performance improvements by the % values below will lead to higher star ratings.

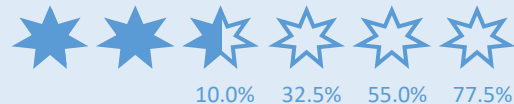
#### ENERGY



#### Estimated 3.5-STAR ENERGY RATING

Cost \$38,890 pa Best \$17,368 pa 55.3% Lower

#### WATER



#### Estimated 2.5-STAR WATER RATING

Cost \$31,136 pa Best \$7,006 pa 77.5% Lower

*Suggested for Investigation: LED Lighting, Solar Power, Water Heating, Water Efficiency, Pool Efficiency, Carpark Ventilation*

### ASSUMPTIONS

The estimated ratings in this report are based on inputs and assumptions about the strata scheme. Where data is inaccurate or out of date a revised report should be obtained.

Contact Wattblock if you would like to obtain an official NABERS for Apartment Buildings rating. Official ratings require payment of assessment and lodgement fees and are valid for 12 months.

Wattblock is also able to assist with recommended projects to improve star ratings. Star ratings can boost property values.

Annual Electricity Usage	166,412	kWh	2029.4 kWh / Unit
Gas Usage (kWh equivalent)	0	kWh	0 MJ / Unit
Less Exclusions	0	kWh	
Adjusted Energy Usage	166,412	kWh	2029.4 kWh / Unit
Green Power	N/A		(2528.9 kWh Typical)
Annual Water Usage	13,900	kL	169.5 kL / Unit
			(143.1 kL Typical)
Number of Apartments	82		
Lift Serviced Apartments	100%		
Central Hot Water	N/A		
Central Cold Water	100%		
Central Aircon	N/A		
Condenser Units	N/A		
Number of Car Spaces	126		
Naturally Ventilated	N/A		
Gym	No		
Swimming Pool	Unheated		

**Six Star Energy**  
 66.8% lower

**Six Star Water**  
 77.5% lower

Contact Wattblock  
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## Who is Wattblock?

Wattblock was started by Brent Clark and Ross McIntyre in 2014. They are joined by Jacky Zhong solar engineer and NABERS assessor, Wilson Huang solar engineer and Peter Langley, industry analyst.

## What is Wattblock's mission?

The energy wasted in Australia's strata buildings has a bigger impact on carbon emissions than the cars driving on the roads. Wattblock aims to fast track the achievement of Australia's national carbon emission reduction target.

## How many strata buildings has Wattblock assisted?

Wattblock has assisted approximately 1,000 strata buildings across Australia with energy reports. Wattblock has also directly project managed the upgrade of 100 buildings with LED lighting, solar, ventilation and hot water. To date it has identified over \$25m of annual energy waste across townhouses to high-rise residential skyscrapers. Over 140 strata buildings have participated in electric vehicle recharging studies.

## Who is partnering with Wattblock?

NSW Innovate, Advance Queensland, North Sydney Council, Microsoft CityNext, Telstra's muru-D, the University of NSW, Griffith University, University of Queensland and Queensland University of Technology.

## Who is covering Wattblock in the media?

SBS, North Shore Times, Foxtel, BRW, The Australian, Business Insider, Computerworld, StartupSmart, StartupDaily, LookupStrata, Technode, Fifth Estate, One Step Off the Grid, Renew Economy.

## Wattblock Awards

Innovation of the Year - Strata Community Australia (NSW), Best Social Change Entrepreneur 2015 (Start-up Smart) Energy Winner at 1776 Challenge Cup Sydney, CeBIT Community Support Finalist (2015).

## Who is backing Wattblock?

Wattblock has received investment from muru-D as part of Telstra's startup accelerator program, Eastern Hill Investments, an Asian-based environmental engineer, a UK-based energy company consultant, a U.S.-based hi-tech investor, a NZ sustainability funds manager, a Sydney-based environmental impact investor, a Sydney-based clean tech consultant, a Sydney-based clean technology finance consultant and an innovation laboratory research director.

## Where is Wattblock located?

Wattblock is based at Michael Crouch Innovation Centre at UNSW in Sydney.