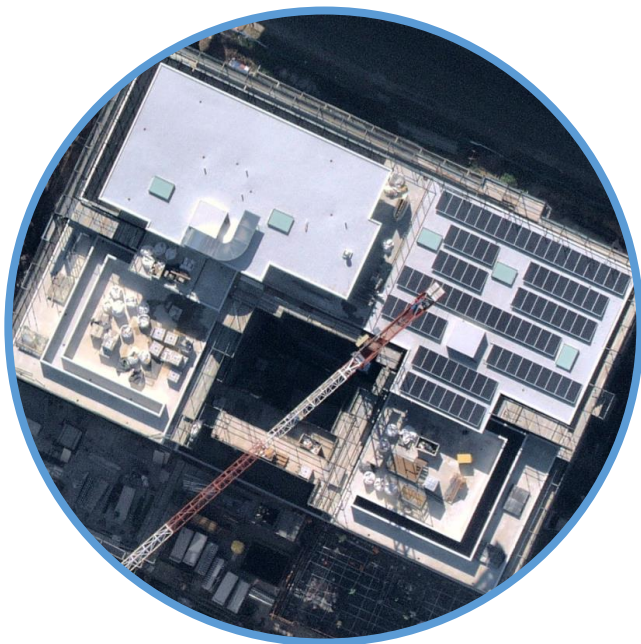




## Solar on Apartment Buildings – Case Studies

# Wattblock featured case studies



## Genesis, NSW

- 58 Units
- New Development in Meadowbank
- 30kW Solar System & Embedded Networks



## Quay Grand, NSW

- 127 Units
- Near Sydney Opera House
- 99.94kW Solar System



## Livingstonia, QLD

- 96 Units
- Resort With Golf Course
- 12kW Solar System



# Quay Grand, 61 Macquarie St, Sydney NSW



## Solar System Details

- 99.94kW Solar System (350 panels)
- Estimated Annual Output: 138,000 kWh
- Estimated Annual Savings: \$21,000
- Coverage: Common Area



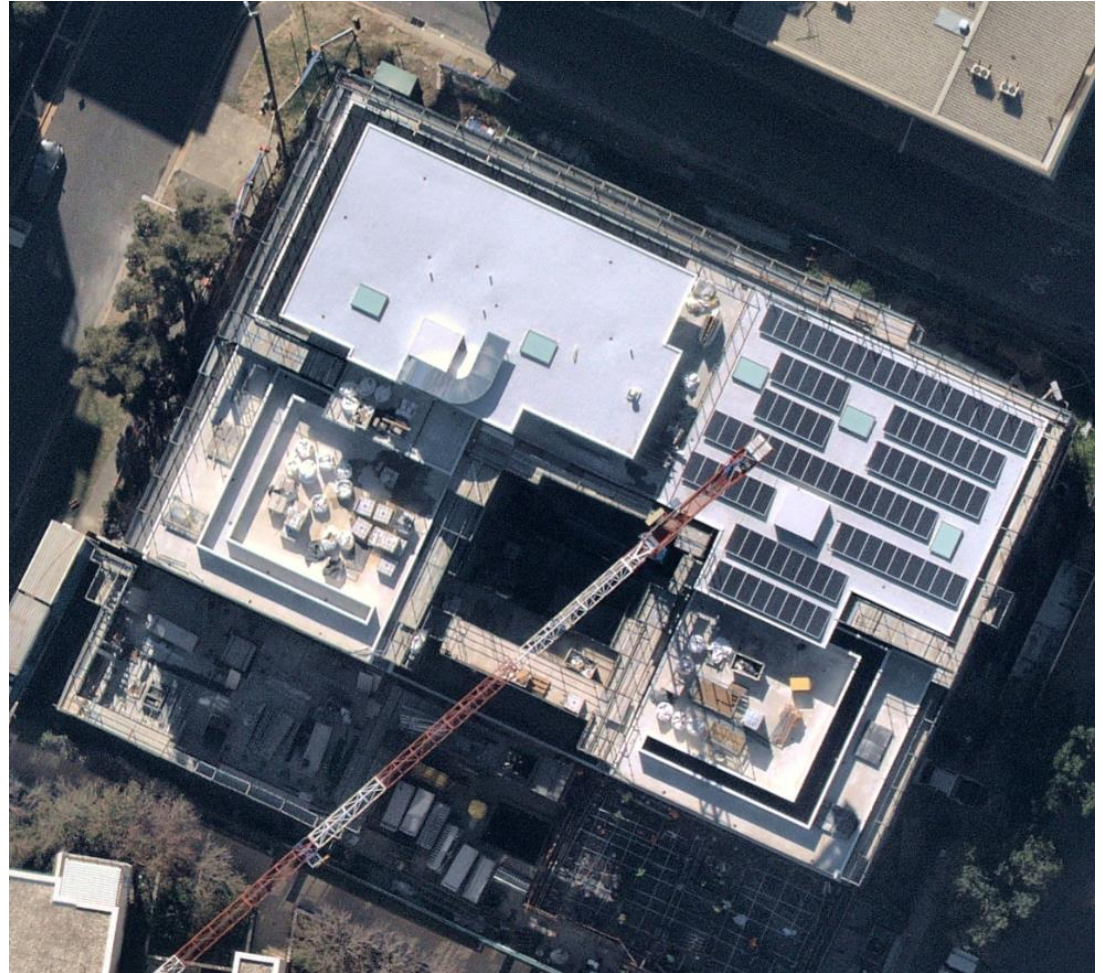


# Genesis, 133 Bowden St, Meadowbank NSW



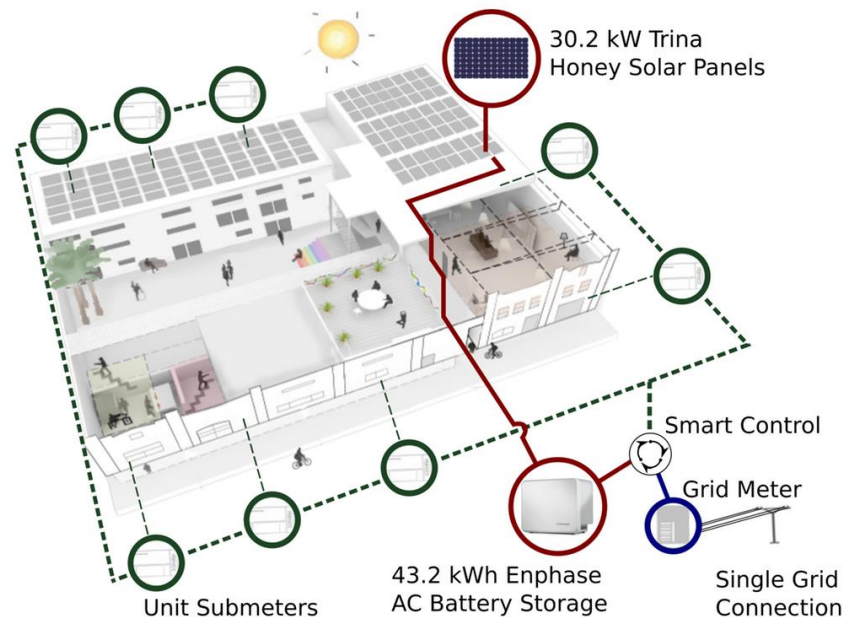
## Solar System Details

- 32kW Solar System (92 panels)
- Estimated Annual Output: 41,000 kWh
- Estimated Annual Savings: \$8,000
- Coverage: Common Area & Residents



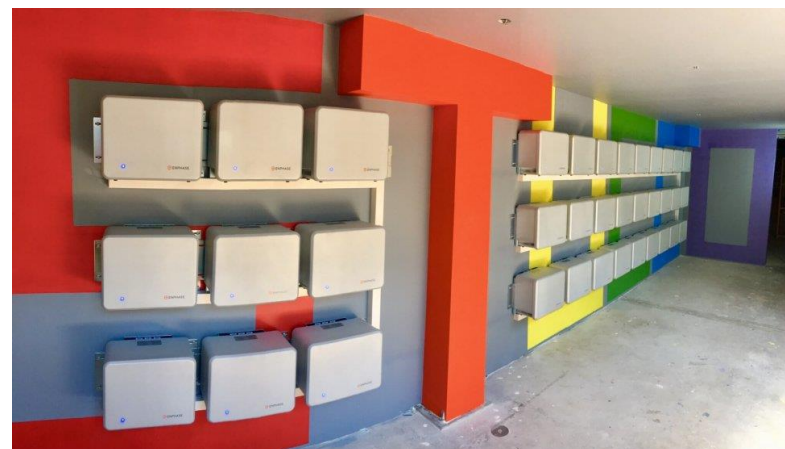


# Stucco, 197-207 Wilson St, Newtown NSW



## Project Details

- Student Housing for the University of Sydney with 8 individual units
- Embedded network retrofit with 30.2kW of solar and 43.2kWh of batteries
- Full project costs of \$130k, supported by a \$80k grant from the City of Sydney
- The system generate over \$10,000 of savings per annum for Stucco Co-operative
- Tenants saved 55% on their power bills



Source: The Conversation



# The Orchards Norwest, 30 Fairway Drive, Kellyville NSW



## Project Details

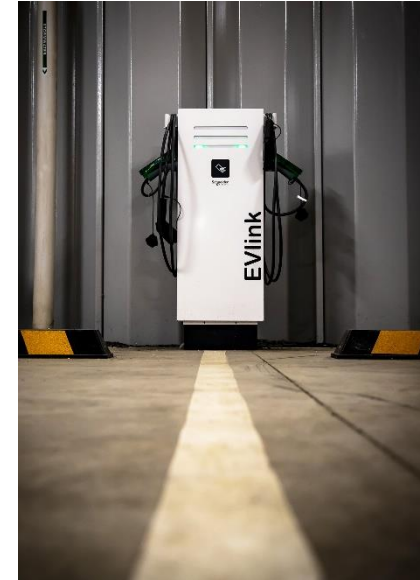
- New development (stage 1 completed)
- 1300-apartment precinct
- Residents will be able to save around 35% of their power and gas costs with the use of an embedded energy and gas network
- 24 tennis courts worth of rooftop solar panels to generate 1GWh of free solar power each year
- Developer is using the lower energy prices as a selling point



Source: The Fifth Estate



# The Burcham, 6-8 Crewe Place, Rosebery NSW



## Project Details

- New hi-tech development
- Each apartment comes with a Google Home personal assistant to control HVAC, lighting and even electronic blinds
- Built-in monitors to manage electricity use by setting targets and alerts for overuse
- A 53kW solar system integrated into an embedded network to reduce residential energy bill by approximately 20%
- Four Electric Vehicle chargers in the carpark



Source: The Burcham



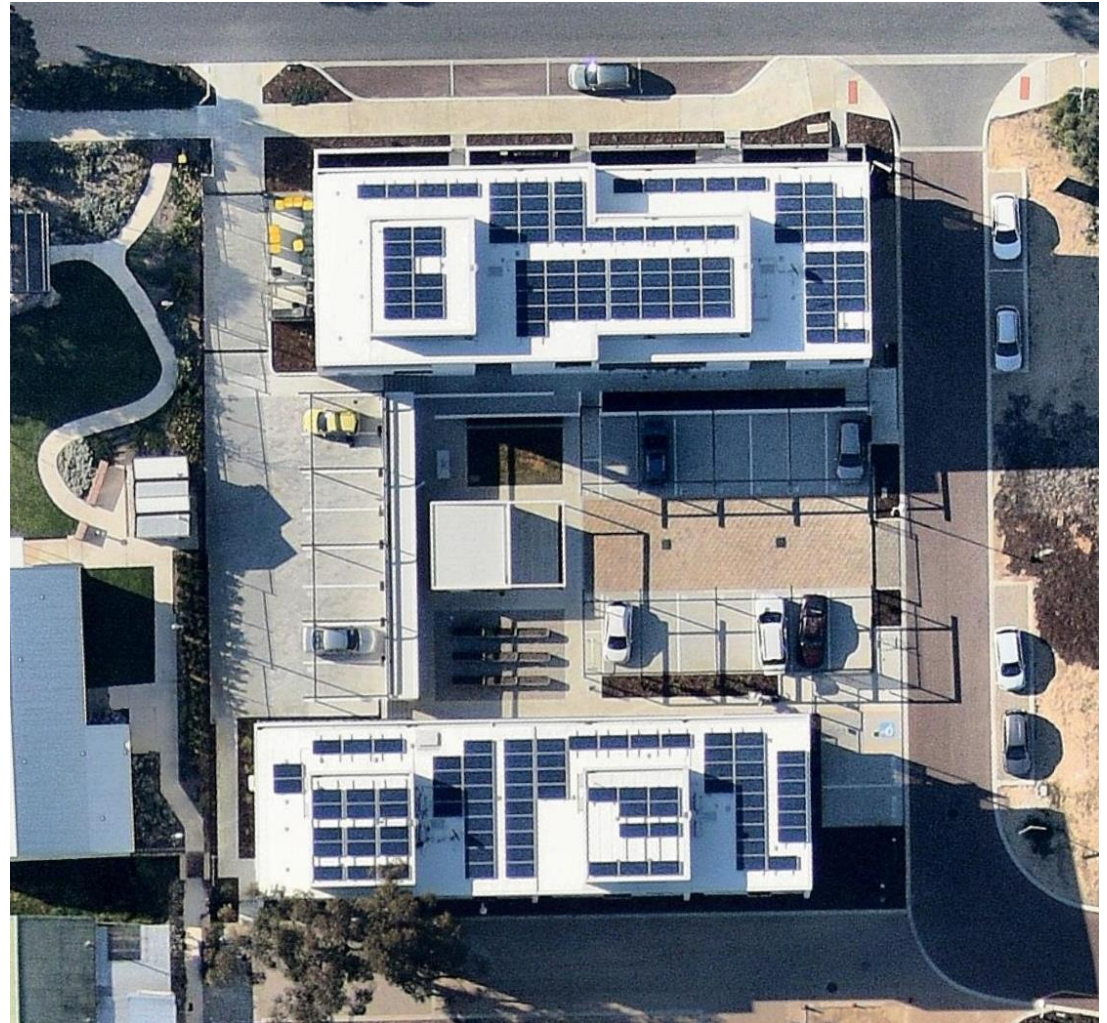
# Evermore, 125 Stevens St, White Gum Valley WA



Source: Yolk Property Group

## Project Details

- 53.6kW Solar System (168 panels) with 150kWh of battery storage
- Facilitate solar energy trading between residents using Power Ledger's blockchain technology
- Residents expected to benefit from a 30% saving on their electricity bills



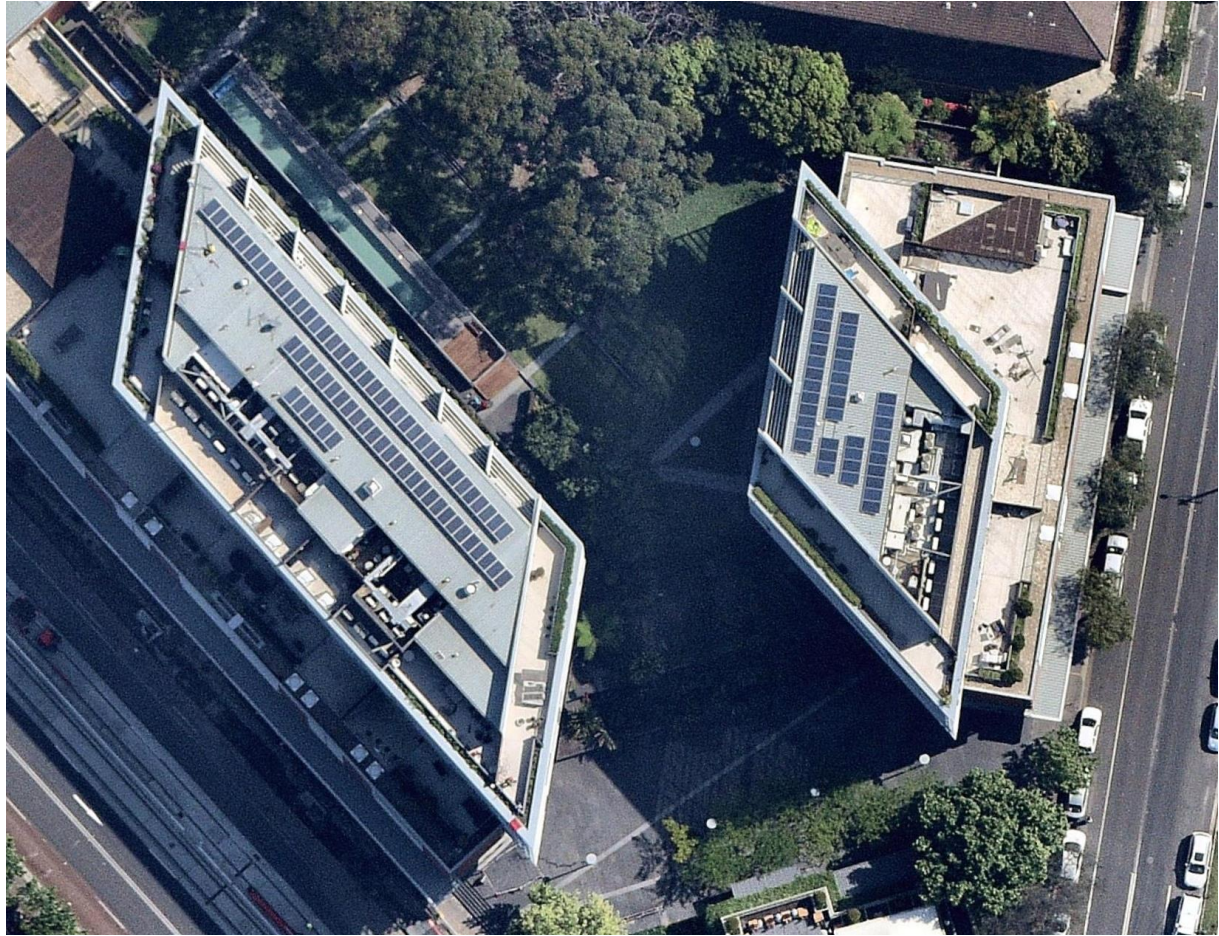


# Capella, 258 Anzac Parade, Kensington NSW



## Solar System Details

- 27.5kW Solar System (110 panels)
- Estimated Annual Output: 36,000 kWh
- Estimated Annual Savings: \$6,000
- Coverage: Common Area





# Zinc, 30 Garden Street, Alexandria NSW



## Solar System Details

- 8.58kW Solar System (33 panels)
- Estimated Annual Output: 13,000 kWh
- Estimated Annual Savings: \$3,200
- Coverage: Common Area





# Veriu, 86 Parramatta Rd, Camperdown NSW



## Solar System Details

- 5kW Solar System (20 panels)
- Estimated Annual Output: 11,000 kWh
- Estimated Annual Savings: \$2,200
- Coverage: Common Area





# Allure, 2 Mooramba Rd, Dee Why NSW



## Solar System Details

- 12kW Solar System (48 panels)
- Estimated Annual Output: 15,000 kWh
- Estimated Annual Savings: \$3,000
- Coverage: Common Area



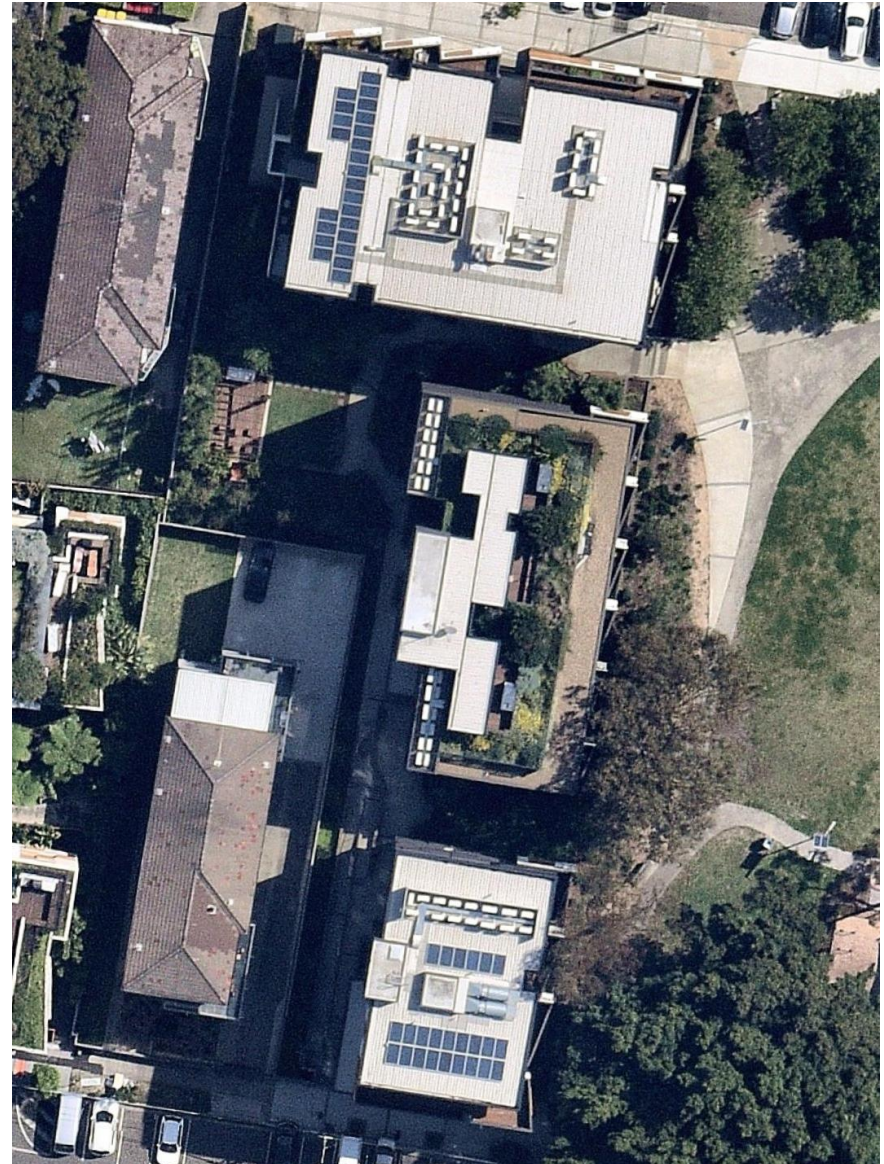


# The Chelsea, 2 Goodwood St, Kensington NSW



## Solar System Details

- 12kW Solar System (48 panels)
- Estimated Annual Output: 15,000 kWh
- Estimated Annual Savings: \$3,000
- Coverage: Common Area





# Quarterdeck BMC, 3 The Crescent, Wentworth Point NSW



## Solar System Details

- 54kW Solar System (216 panels)
- Estimated Annual Output: 74,000 kWh
- Estimated Annual Savings: \$11,000
- Coverage: Sports Centre



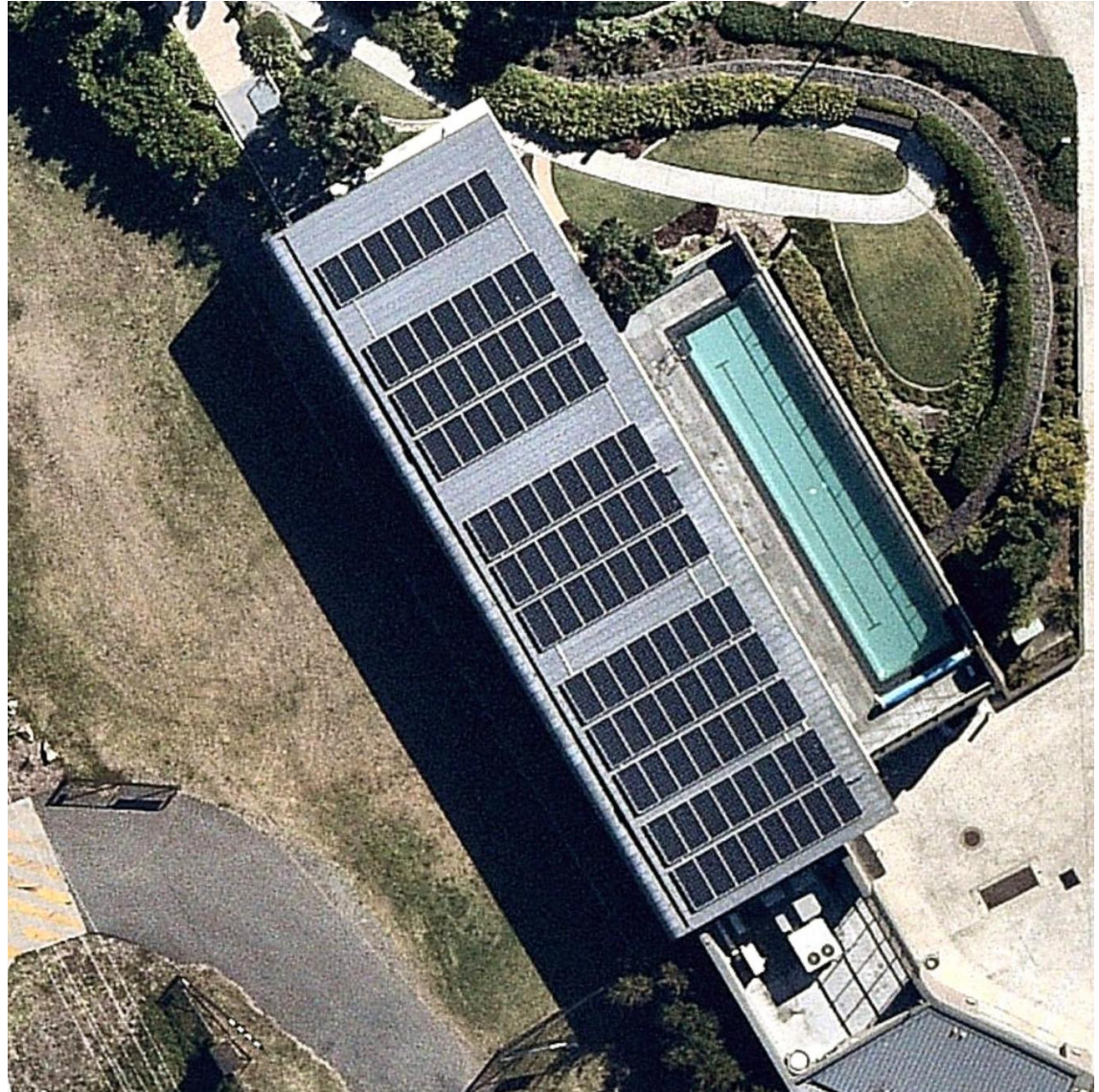


# Tennyson Reach, 150 King Arthur Terrace, Tennyson QLD



## Solar System Details

- 33.12kW Solar System (96 panels)
- Estimated Annual Output: 48,000 kWh
- Estimated Annual Savings: \$7,300
- Coverage: Sports Centre





# Kirribilli, 150 Oxlade Drive, New Farm QLD



## Solar System Details

- 10.5kW Solar System (42 panels)
- Estimated Annual Output: 12,000 kWh
- Estimated Annual Savings: \$3,000
- Coverage: Common Area





# Kawana Island Point Villas, 239 Kawana Way, Parrearra QLD



## Solar System Details

- 9.62kW Solar System (37 panels)
- Estimated Annual Output: 14,000 kWh
- Estimated Annual Savings: \$3,500
- Coverage: Community Centre





# Livingstonia, 4953 St Andrews Terrace, Hope Island QLD



## Solar System Details

- 12.18kW Solar System (42 panels)
- Estimated Annual Output: 16,000 kWh
- Estimated Annual Savings: \$3,500
- Coverage: Common Area





# Mercure Hotel, 64 Palm Meadows Drive, Carrara QLD



## Solar System Details

- 31.2kW Solar System (120 panels)
- Estimated Annual Output: 44,000 kWh
- Estimated Annual Savings: \$6,600
- Coverage: Hotel





# Dennington, 1 Broughton Rd, Artarmon NSW



## Solar System Details

- 6.8kW Solar System (35 panels)
- Estimated Annual Output: 9,300 kWh
- Estimated Annual Savings: \$2,300
- Coverage: Common Area



Source: Green Strata

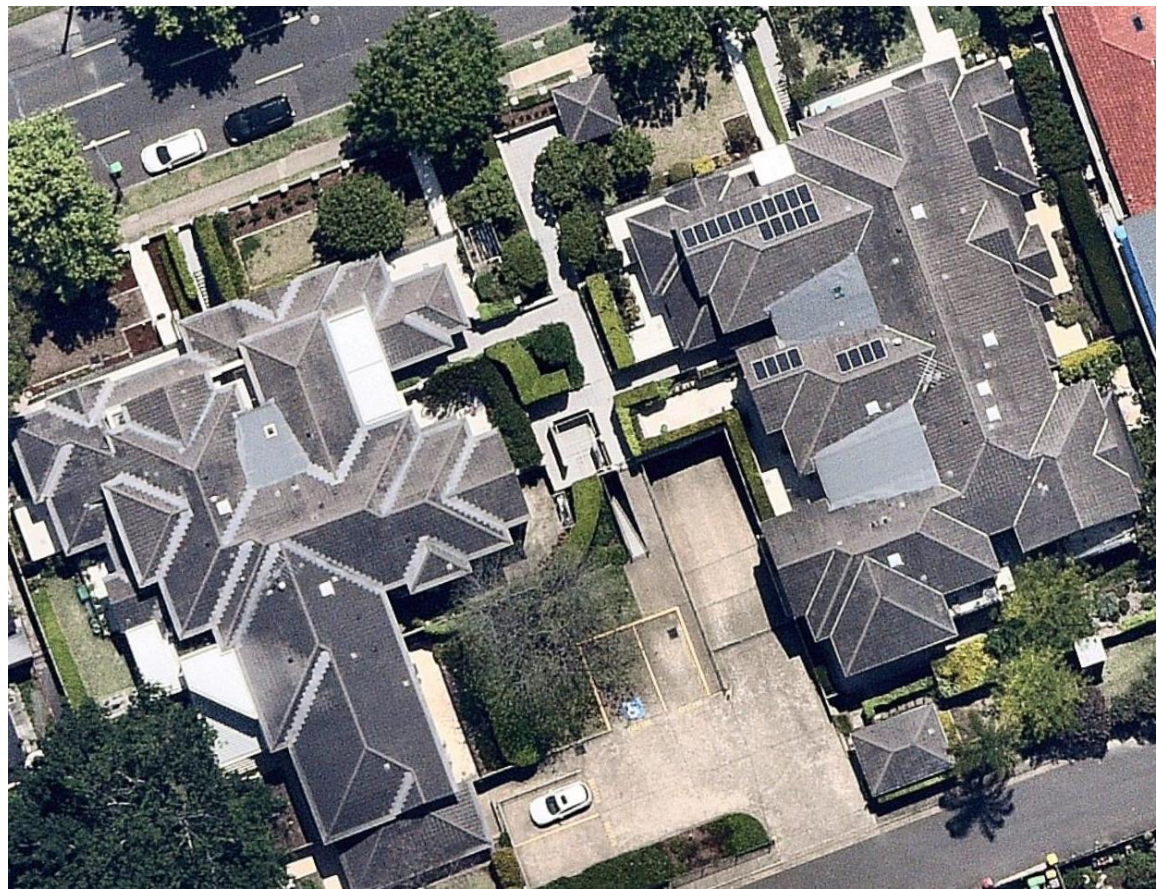


# The Mews, 88 Victoria Rd, Chatswood NSW



## Solar System Details

- 4.68kW Solar System (24 panels)
- Estimated Annual Output: 5,900 kWh
- Estimated Annual Savings: \$1,300
- Coverage: Common Area



Source: Green Strata

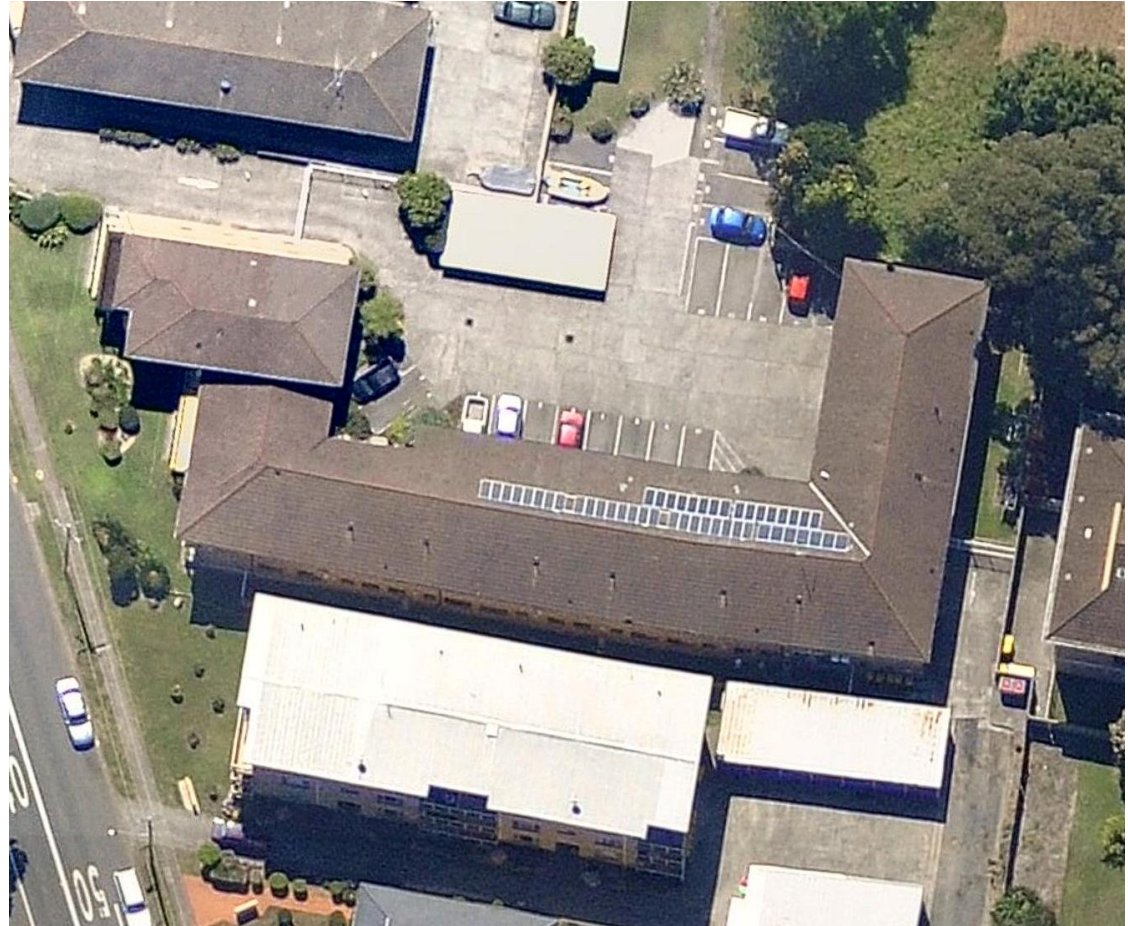


# Wallis View, 76 Little St, Forster NSW



## Solar System Details

- 1 x 2.5kW Solar System (Common Area)
- 5 x 1.5kW Solar Systems (5 x Residents)
- Estimated Annual Output: 15,000 kWh
- Estimated Annual Savings: \$3,800



Source: Green Strata

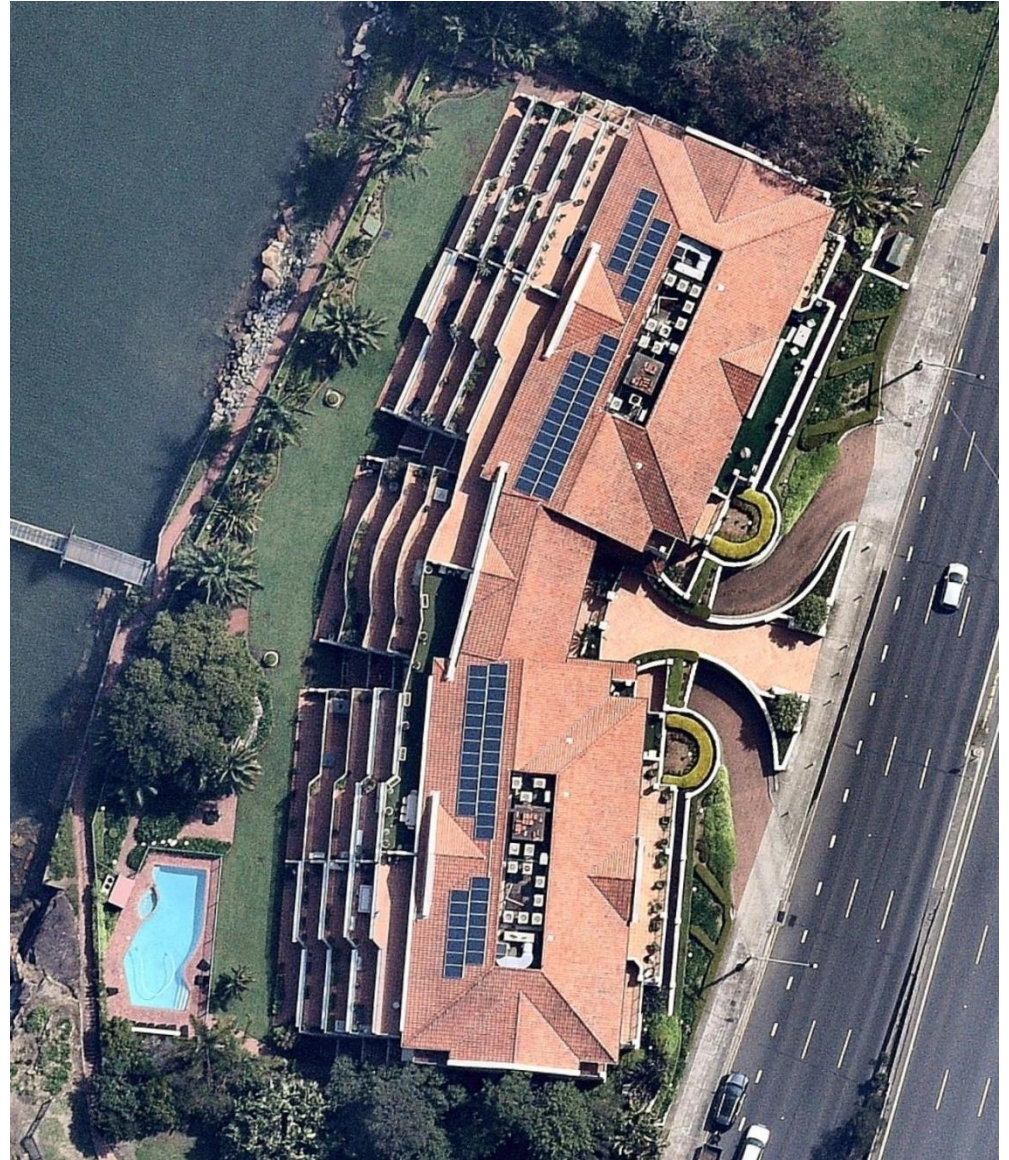


# SeaBreeze Apartments, 765 Princes Highway, Blakehurst, NSW



## Solar System Details

- 20kW Solar System (80 panels)
- Estimated Annual Output: 24,000 kWh
- Estimated Annual Savings: \$4,800
- Coverage: Common Area





# Hero Apartments, 118 Russell St, Melbourne VIC



## Solar System Details

- 50kW Solar System (200 panels)
- Estimated Annual Output: 53,000 kWh
- Estimated Annual Savings: \$10,000
- Coverage: Common Area



Source: Eco Generation



# Yarra's Edge, 70 Lorimer St, Docklands VIC



## Solar System Details

- 47.5kW Solar System (190 panels)
- Estimated Annual Output: 62,000 kWh
- Estimated Annual Savings: \$12,000
- Coverage: Common Area



Source: Energy Matters



# Botany Cope, NSW



Source: Green Strata

## Solar System Details

- 4.91kW Solar System (15 panels)
- Estimated Annual Output: 7,700 kWh
- Estimated Annual Savings: \$1,800
- Coverage: Common Area



# Sydney on Sydney, 166 Sydney Street, New Farm QLD



## Solar System Details

- 14.5kW Solar System (in progress)
- Estimated Annual Output: (TBC)
- Estimated Annual Savings: (TBC)
- Coverage: Common Area





# 16 - 30 Dunblane St, Camperdown NSW



## Solar Thermal System Details

- 7 x Solar Thermal Collectors
- Boosting Common Gas Hot Water System





# 293 Mann St, Gosford NSW



## Solar Thermal System Details

- 3 x Solar Thermal Collectors
- Boosting Common Electric Hot Water System



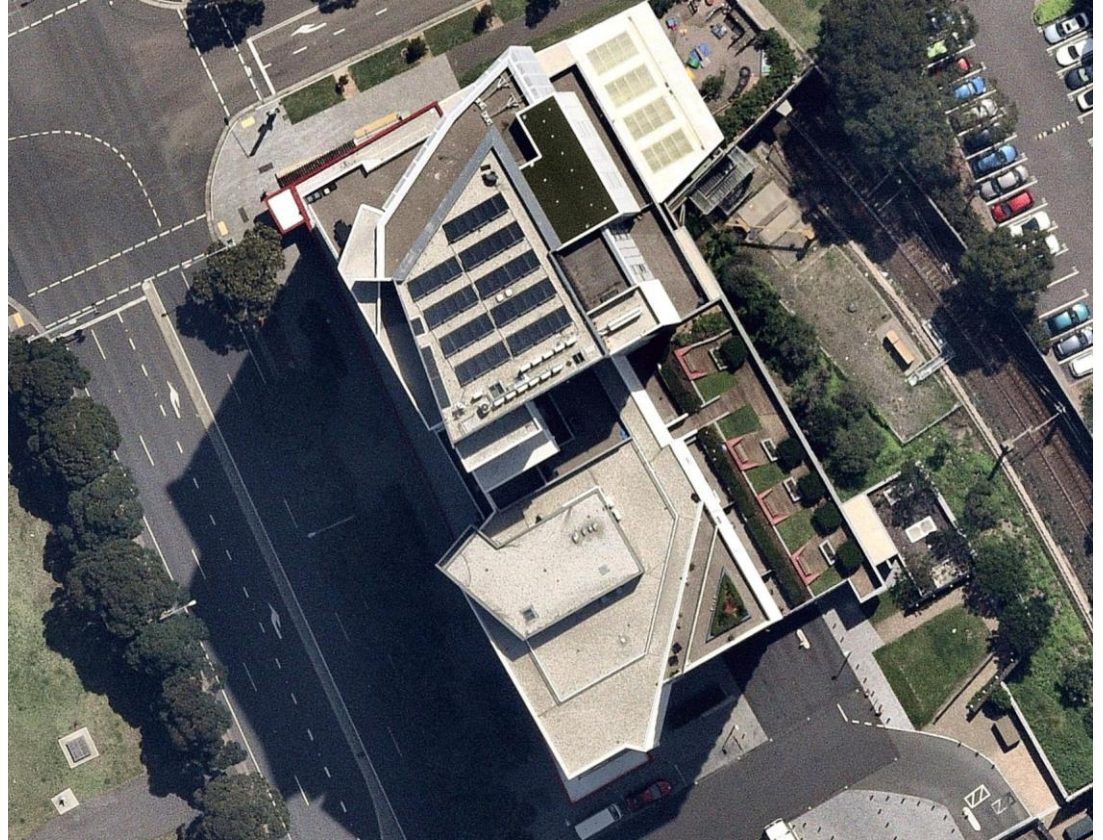


# Australia Tower, 11 Australia Ave, Sydney Olympic Park NSW



## Solar Thermal System Details

- 50 x Solar Thermal Collectors
- Boosting Common Gas Hot Water System





# Nexus, 15 Atchison St, St Leonards NSW



## Solar Thermal System Details

- 8 x Solar Thermal Collectors
- Boosting Common Gas Hot Water System



Source: Domain

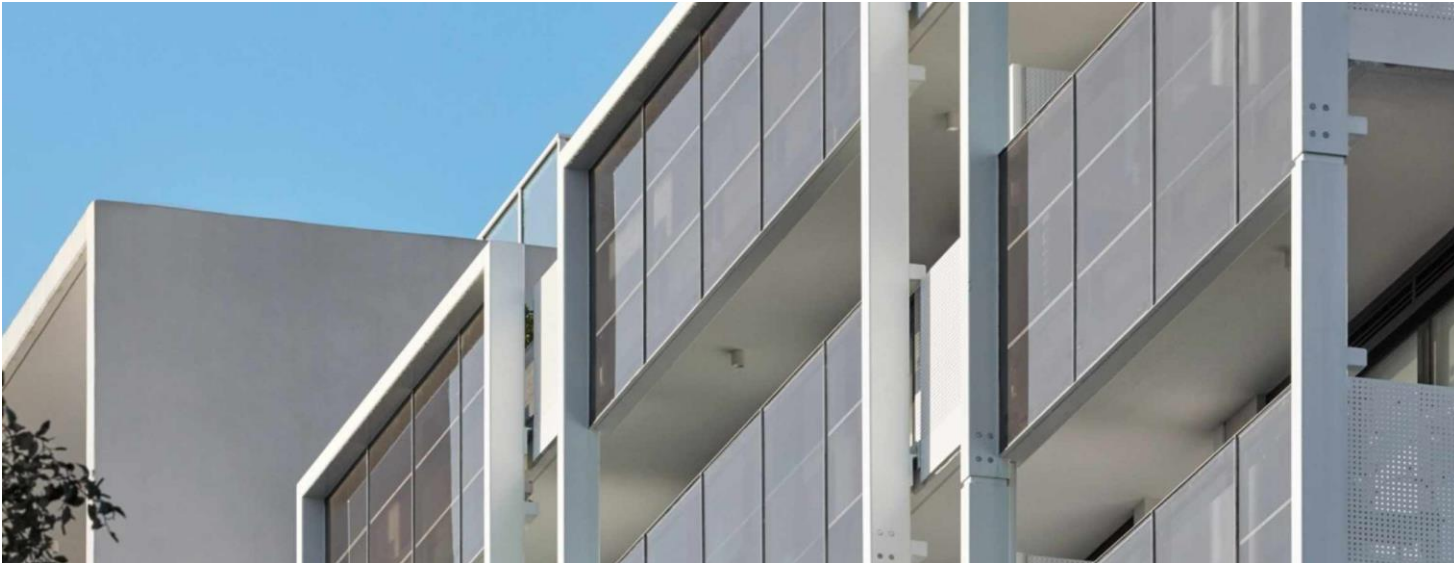


# The General, 421 High St, Northcote VIC



## Project Details

- First residential building in Australia to use Onyx Solar Energy photovoltaic glass on a façade
- The photovoltaic solar glass was engineered into a sufficient balustrade with adequate strength and resistance to force
- Achieved a 7.5 star NatHERS energy rating



Source: ARCPLAN CONSULTING AUSTRALIA