

Ros Crichton Pavilion

- Reclaim Energy
- Wattblock
- Jet charge
- Zeromow

+ Food & drinks



Carpark

- Jet charge
- Ohmie
- Zeromow

Entry/exit

Hutley Hall

Entrance/exit

Geddes Room

- Zeromow
- Allume

Seating

- Sums Group
- Enlighten
- Ohmie
- Energus

• Food +Drinks



Futureproofing Apartments



*~ A program to help reduce
GHG emissions and costs ~*

5 key areas:

- Energy efficiency
- Renewable electricity
- Renewable heat
- Water efficiency
- Electrification of buildings & cars

= less energy use & cost savings


Basis of program design

Remove the barriers


- **Free** building assessments funded by Council
- Reports with details of business cases to upgrade
- Clear communication of benefits
- Council can assist with report communication to strata

- Question becomes – ‘Why wouldn’t we do this?’

Road map

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- Launch event - 11 / 2018
 - Applications
 - Assessments — — — — — →
 - Assessor support
 - Contemplation
 - Council support with interpretation of reports
 - Expo - meeting solution providers
 - Evolve & repeat....

Simple retrofits commence



Increasing cost and complexity need more time & info

What now ?

Round 1

- Solution providers here to help
- Tonight & tomorrow from 8:30 - 11am
- Wattblock & I here to support with interpretation, Q & A etc

Round 2 -

1. Apply for assessment before Jan 30
2. Familiarise yourselves with solutions - ask us
3. Get strata community & committee onboard

Does the system work?

- I tried it on my own unit in Gosford (1 of 47)
- Wattblock report
- LED retrofit
- & Variable speed drive (VSD) on water pressure pumps
- Annual savings to date \$26,500 annual
- = \$560 per unit owner
- The Wattblock predicted savings are accurate

But wait there's more!

Current installations are proceeding-

Zero upfront costs for both:

1. Centralised gas hot water system being replaced to use heat pumps -
 - Bill savings anticipated 25% & Zero maintenance on 10 year contract
2. 45 kW solar system (about 160 panels)
Electricity bill savings about 30%

Reports to date

35 separate buildings (from 60 applications)

Assessment & report types-

- General building x 31
- Solar electricity x 10
- Centralised hot water / fuel swap x 3
- EV charging x 3
- NABERS x 5

Upgrades to date

Early stages, mainly lighting, about 5, with another 5 looking at big solutions.

Many opportunities...

Renewable energy

Solar electricity

- Common areas
- Sharing among apartments
- Peer to peer trading
- Battery storage, or store energy in hot water system tanks

Space heating

With reverse-cycle air conditioners

Hot water- Fuel

switching to replace gas for domestic hot water with renewable heat energy- (heat pumps)

Energy and water Savings

Cooling towers / HVAC

Smart controls - for lighting fans & pumps

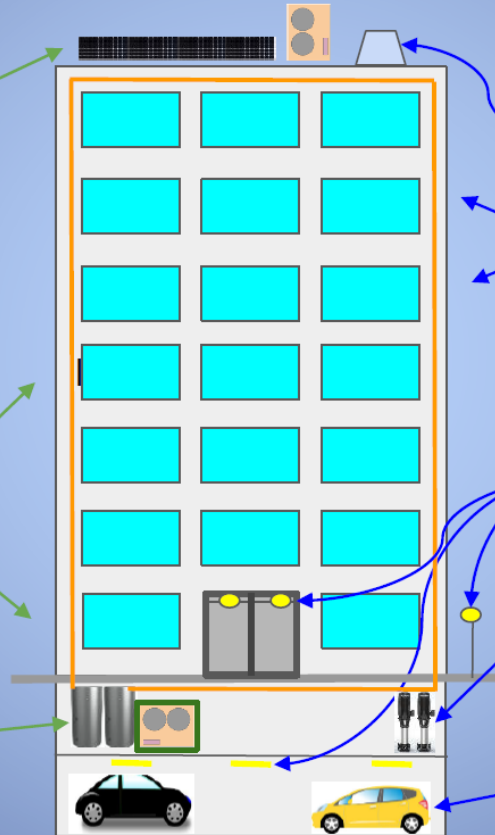
Capacity charge \$ savings

LED lighting

Water pressure pumps & VSDs

Swimming pool efficiency

Electric vehicle charging



What's next?

- **Complete the Application** before Jan 30, 2020 –
- Apply on the “Futureproofing Apartments” homepage
- Selection of candidate buildings for detailed assessments and reporting – Batch 1 Dec 2019, Batch 2 Feb 2020
- Assessments commencing after strata permissions.
- Workshops and general Council assistance for residents who those who don't get free assessments and reports.
- Program review at 6/ 2020 – budget & success dependent

Rewarding strata upgrades

- Financial & personal values
- City of Sydney hold annual awards
- Strata Community Association - Awards for excellence