Case Studies

Discover bill savings, grid electricity reduction and CO2 abatement in apartments with SolShare.

Affordable Housing NSW

City West Housing is a leading Community Housing Provider in NSW. They connected rooftop solar to 226 apartments in three apartment complexes in their portfolio with Allume's SolShare technology.

AT A GLANCE

- **Project:** City West Housing
- **Location:** Eveleigh, NSW
- **Project type:** Retrofit to existing social housing building
- **Completed:** 2021
- **Number of apartments:** 88
- **Number of Solshare units:** 6
- **Solar panel capacity:** 90 kW

PROJECT LOCATION

OUTCOMES FOR RESIDENTS AT CITY WEST HOUSING EVELEIGH FOR JULY TO SEPTEMBER 2022

193 kg
CO_2 saved per apartment

20%
average reduction in consumption from the grid

$51.56
average bill saving for apartment residents*

*Assuming residents are on the AGL Solar Saver Plan effective July 2022.

With grid electricity prices increasing over the winter due to the global energy crisis, the savings experienced by City West residents because of the investment in rooftop solar will only increase.

Strata NSW

The strata corporation of this classic red brick apartment building in Sydney's inner west retrofitted rooftop solar to reduce the electricity bills for all residents and the common light and power.

AT A GLANCE

- **Location:** Ashfield, NSW
- **Project type:** Retrofit to existing apartment building
- **Completed:** 2021
- **Installer:** Atlas Renewables
- **Number of apartments:** 9
- **Number of Solshare units:** 1
- **Solar panel capacity:** 20.35 kWp

PROJECT LOCATION

Allume | Atlas Renewables
TURNING YOUR ENERGY INTO ASSETS

OUTCOMES FOR RESIDENTS IN THE FIRST YEAR:

2.0
tonnes of CO_2 saved per apartment

28%
average reduction in consumption from the grid

$479
average savings on electricity bills in the first year*

OUTCOMES FOR THE COMMON LIGHT & POWER IN THE FIRST YEAR:

1.6
tonnes of CO_2 saved

22%
average reduction in consumption from the grid

43%
reduction in electricity bills*

* Assuming tariffs under the AGL's Solar Saver Plan

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Strata NSW

Neutral Bay is a high-end apartment building near Sydney Harbour comprises three large apartments with 3-phase power. All residents benefit from the shared solar installation through reduced electricity bills, and all lot owners have reduced running costs due to a lower common area power bill.

AT A GLANCE

- **Location:** Neutral Bay, NSW
- **Project type:** Retrofit to existing apartment building
- **Completed:** 2020
- **Installer:** Atlas Renewables
- **Number of apartments:** 3
- **Number of Solshare units:** 1
- **Solar panel capacity:** 16 kWp

PROJECT LOCATION

OUTCOMES FOR RESIDENTS OVER 2 YEARS:

6.1
tonnes of CO_2 saved per apartment

30%
average reduction in consumption from the grid

$1,923
average savings on electricity bills over the 2 years*

* Assuming residents are on AGL's Solar Saver Plan

OUTCOMES FOR THE COMMON LIGHT & POWER OVER 2 YEARS:

6.1
tonnes of CO_2 saved

34%
average reduction in consumption from the grid

50%
reduction in electricity bills over the 2 years*

* Assuming common light and power is on AGL's Solar Saver Plan

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Strata NSW

Botany Apartments is a community comprising 23 upmarket townhouses and 4 apartments that embraced smart energy technologies including shared solar.

AT A GLANCE

- **Project:** Botany Apartments
- **Location:** Botany, NSW
- **Project type:** Retrofit to existing apartment building
- **Completed:** 2021
- **Installer:** Energus
- **Connected Apartments:** 27
- **Size of solar system:** 60kW AC

PROJECT LOCATION

OUTCOMES FOR PARTICIPATING RESIDENTS OVER THE FIRST YEAR OF OPERATION

Participating apartments saw on average:

1.9	35%	$433
tonnes of CO_2 saved	grid consumption reduction	electricity bill saving

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ON-SITE CONSUMPTION OF ROOFTOP SOLAR IS

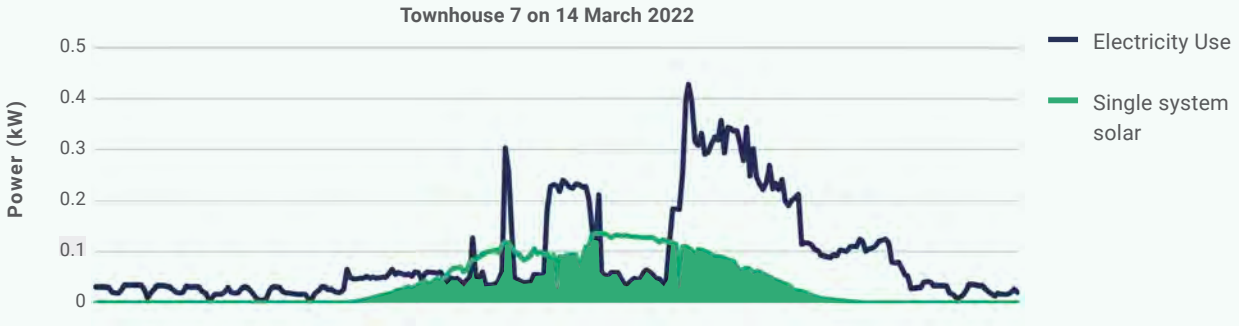
15.4%

higher than it would have been
if individual systems were deployed for each
townhouse and apartment.

SOLAR VS GRID ELECTRICITY

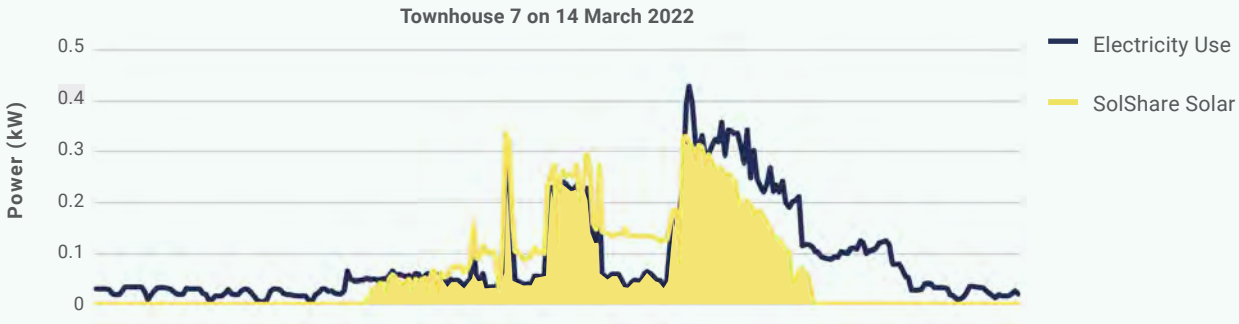
Without the SolShare

If each apartment had its own small rooftop solar installation, then most of the solar electricity generated is sent to the grid instead of the apartment (the green shaded area).



With the SolShare

The SolShare ensures solar electricity is sent to the apartments that are using power at that time. This maximises solar use in the apartments (the yellow shaded area) and reduces electricity bills as much as possible.



Social Housing NSW

Evolve Housing is an award-winning, Tier One nationally registered community housing provider. Evolve Housing provides housing solutions to eligible people on very low to moderate incomes who are unable to access appropriate housing in the private market. Evolve Housing worked with the NSW Government to roll out solar across its social housing portfolio. For multi-dwelling buildings, they turned to Allume Energy's SolShare. At this site in Ryde, the SolShare allowed one roof area to be used to reduce the impacts of overshading on other parts of the complex.

AT A GLANCE

- **Project:** Evolve Housing apartment building
- **Location:** Ryde, NSW
- **Project type:** Retrofit to existing social housing building
- **Completed:** 2020
- **Installer:** Energus
- **Number of apartments:** 17
- **Number of Solshare units:** 2
- **Solar panel capacity:** 27.5 kWp

PROJECT LOCATION

OUTCOMES FOR RESIDENTS AT FOR MAY 2020 TO APRIL 2021 INCLUSIVE:

1.5
tonnes of CO_2 saved per apartment

27%
average reduction in consumption from the grid

$437
Average savings on electricity bills for each apartment*

* Assuming residents are on AGL's Solar Saver plan

Strata NSW

Waterline Crescent apartments is an airy strata-titled apartment complex of 18 residences overlooking the Brisbane River just northeast of the Brisbane CBD. The body corporate decided to retrofit solar panels to improve the sustainability of the building, and chose Allume's SolShare technology to connect solar to each apartment.

AT A GLANCE

- **Project:** Waterline Crescent
- **Location:** Bulimba, Brisbane, Qld
- **Project type:** Retrofit to existing apartment building
- **Completed:** 2021
- **Number of apartments:** 18
- **Number of Solshare units:** 2
- **Solar panel capacity:** 39.6 kWp

PROJECT LOCATION

OUTCOMES FOR PARTICIPATING RESIDENTS

1.9
tonnes of CO_2 saved

28%
reduction in consumption from the grid

$360
bill savings for apartment residents*

THE COMMON LIGHT AND POWER SAW:

4.8
tonnes of CO_2 saved

29%
reduction in consumption from the grid

$1,486
bill savings for lot owners*

* Assuming average tariffs according to Canstar Blue

Affordable Youth Housing NSW

My Foundations Youth Housing Ltd (MFYH) is focused on providing secure housing to homeless youth. MFYH has pioneered a rent and tenure model which aims to better meet the needs of young people who are homeless by giving them up to 5 years of secure tenure, links to support, education and employment, with a rent model that scales up over time to prepare young people for the private rental market. MFYH approached Allume Energy to roll out rooftop solar on multi-dwelling buildings in their portfolio.

AT A GLANCE

- **Project:** My Foundation Youth Housing Ltd apartment building
- **Location:** Marrickville, NSW
- **Project type:** Retrofit to existing multitenant community housing building
- **Completed:** 2022
- **Installer:** SolarShare Project
- **Number of apartments:** 6
- **Common light and power connected:** Yes
- **Number of Solshare units:** 1
- **Solar panel capacity:** 13.32 kWp

PROJECT LOCATION

OUTCOMES FOR RESIDENTS AT MFYH MARRICKVILLE FOR JULY TO SEPTEMBER 2022

425 kg
CO_2 saved per apartment

24%
reduction in electricity bills*

$101.25
savings for each resident over 3 months*

*Assuming residents are on the AGL Solar Saver Plan effective July 2022.

With grid electricity prices increasing over the winter due to the global energy crisis, the savings experienced by MFYH residents because of the investment in rooftop solar will only increase.

New Build VIC

Folia Apartments by Mirvac is nestled within Tullamore, Doncaster's most prestigious community, surrounded by established parkland and abundant amenity. Committed to creating sustainable living environments for residents to enjoy, Mirvac have implemented forefront technology in Folia allowing the Prestige and Penthouse Apartment residents to share a single set of solar panels and distribute solar power in a manner that optimises the financial benefit to all connected residences.

AT A GLANCE

- **Project**: Folia Apartments of Tullamore
- **Location**: Doncaster, Victoria, Australia
- **Project type**: new build
- **Completed**: 2021
- **Developer**: Mirvac
- **Connected Apartments**: 39 prestige and penthouse apartments
- **Size of solar system**: 70 kW

PROJECT LOCATION

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OUTCOMES FOR PARTICIPATING RESIDENTS

In the first nine months, participating units saw on average:

2
tonnes of CO_2 saved

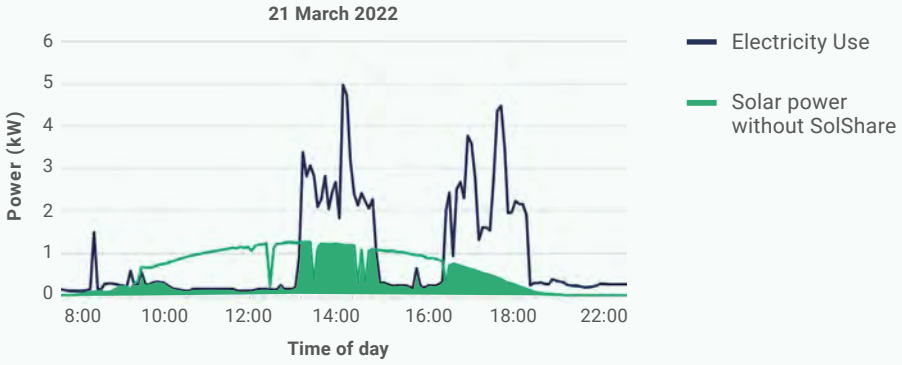
-30%
grid consumption reduction

~$300
electricity bill saving

SOLAR VS GRID ELECTRICITY

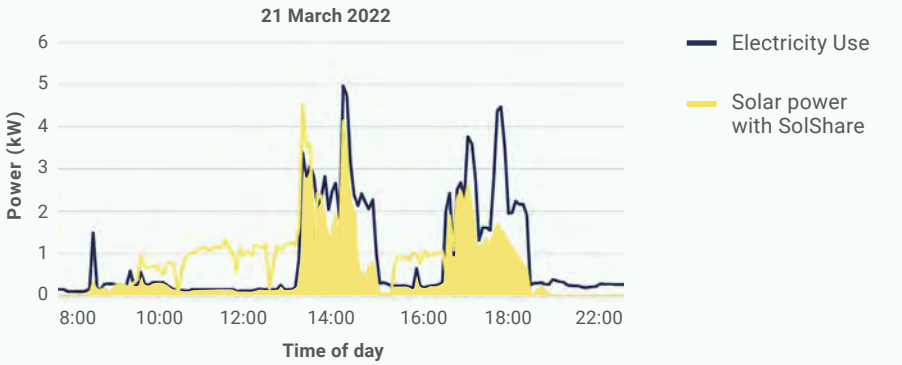
Without the SolShare

If each apartment had its own small rooftop solar installation, then most of the solar electricity generated is sent to the grid instead of the apartment (the green shaded area).



With the SolShare

The SolShare ensures solar electricity is sent to the apartments that are using power at that time. This maximises solar use in the apartments (the yellow shaded area) and reduces electricity bills as much as possible.



> We were attracted to the Folia building in Doncaster because of its impressive sustainability features, particularly the latest rooftop solar technology. We enjoy having some energy independence and contributing to climate action.
>
> – Jackie & Rod, residents at Mirvac Folia, Tullamore

Strata NSW

The Edgewater Apartments overlooks beautiful Pittwater in Sydney's north. In 2020 the apartment community decided to install rooftop solar to reduce electricity bills and dependence on the grid. 22 of the 32 apartments in the building signed up for solar.

AT A GLANCE

- **Project:** Edgewater Apartments
- **Location:** Bayview, NSW
- **Project type:** Retrofit to existing apartment building
- **Completed:** 2021
- **Installer:** Atlas Renewables
- **Connected Apartments:** 22
- **Common light and power:** 2 common

PROJECT LOCATION

OUTCOMES FOR PARTICIPATING RESIDENTS OVER THE FIRST YEAR OF OPERATION

Participating apartment saw on average:

22%	$325	1.3
reduction of consumption from the grid	saved on electricity bills	tonnes CO_2 saved

The common areas benefited from:

36%	$4,960	18.9
reduction of consumption from the grid	saved on electricity bills	tonnes CO_2 saved

SOLAR VS GRID ELECTRICITY

Without the SolShare

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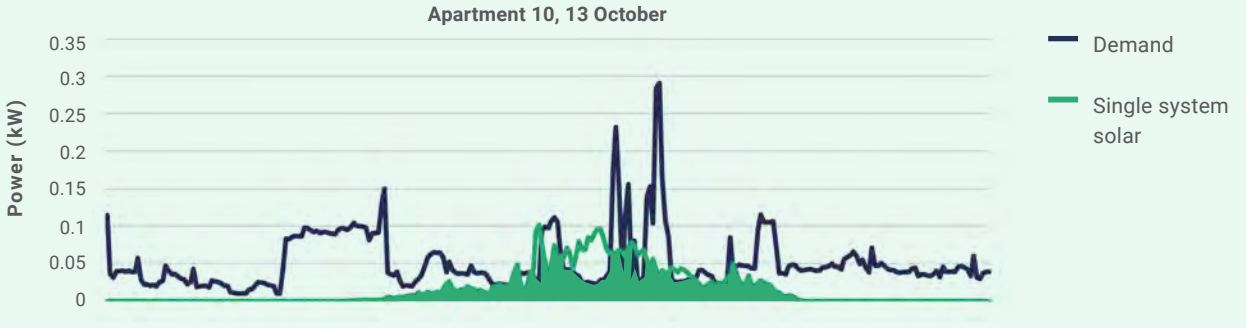

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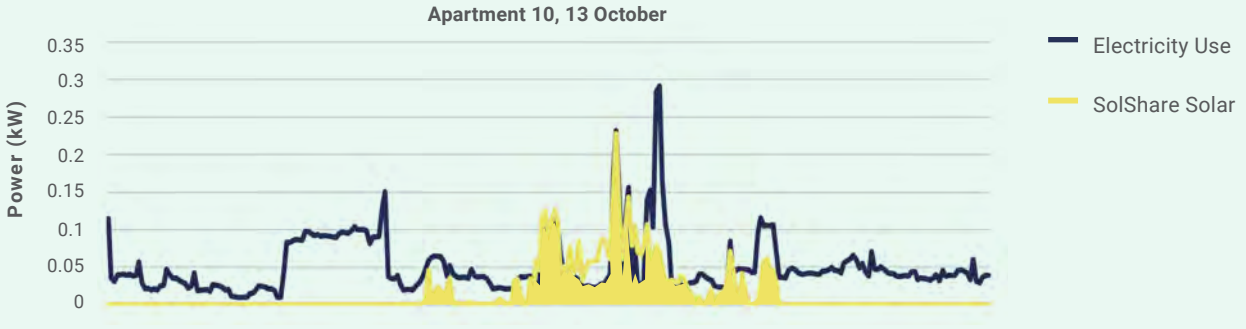

Strata ACT

The Focus Apartments community in the leafy inner-north of Canberra used their sinking fund to invest in rooftop solar. Residents now enjoy free rooftop solar and lower electricity bills.

AT A GLANCE

- **Project**: The Focus Apartments
- **Location**: Turner, Australian Capital Territory
- **Project type**: Retrofit to strata-titled apartments
- **Completed**: November 2020
- **Solar Installer**: SolarHub
- **Connected Apartments**: 20
- **Size of solar installation:** 37.74 kW

PROJECT LOCATION

OUTCOMES FOR PARTICIPATING RESIDENTS

25%	19%	$400
reduction in electricity bills	grid consumption reduction	saved each year

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Social Housing SA

SA Housing is one of the growing number of affordable housing providers that recognises the huge impact energy burdens have on their tenants, having instigated a solar + battery rollout across multiple sites. Residents in these apartments have reduced their grid electricity demand by ~48%.

AT A GLANCE

- Project: SA Housing
- Location: Parkside, SA
- Project type: SolShare solar + battery
- Completed: December, 2022
- Installer: Venus Energy
- Connected Apartments: 45
- Size of solar system: 59kW + 57kW

PROJECT LOCATION

ANTICIPATED OUTCOMES FOR RESIDENTS

92.3
tonnes of CO_2 saved
(for the building)

48%
grid consumption reduction
(per apartment)

~$497
electricity bill saving
(annual, per apartment)

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Community Housing VIC

Housing Choices Australia is a Tier One community housing provider with properties across Australia. As part of enhancing sustainability within their portfolio through the use of rooftop solar, they used Allume's SolShare technology to connect a 44-apartment building in Altona North to clean energy.

AT A GLANCE

- **Project:** Housing Choices Australia apartment building
- **Location:** Altona North, Victoria
- **Project type:** Retrofit to existing social housing building
- **Completed:** 2019
- **Number of apartments:** 44
- **Number of Solshare units:** 3
- **Solar panel capacity:** 66.6 kWp

PROJECT LOCATION

OUTCOMES FOR RESIDENTS AT HOUSING CHOICES AUSTRALIA ALTONA NORTH FOR OCTOBER 2020 TO SEPTEMBER 2022 INCLUSIVE

2.5
tonnes CO_2 saved per apartment

25%
average reduction in consumption from the grid

$717
average savings per apartment on electricity bills over the 2 years*

* Assuming residents are on the Victorian Default Offer.

With grid electricity prices increasing due to the global energy crisis, the savings experienced by residents because of Housing Choices Australia's investment in rooftop solar will only increase.

Get in Touch

Scan the QR Code to enter your details - our team will be in touch!

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