

Shared Solar for Community Housing

Housing Choices Australia (HCA) is a national, not-for-profit housing provider that creates safe, quality, affordable housing for people who are struggling to find a home in Australia's challenging private rental market. HCA is constantly investing in and improving their portfolio of over 4,800 tenancies.

Allume Energy worked with leading solar installer Prana Energy to deliver a shared solar solution for one of HCA's apartment buildings in Altona North in Melbourne's

western suburbs. HCA paid for the system outright as part of their capital improvement program, such that residents enjoy the benefits of free solar power. The savings on their electricity bills will have a highly significant impact on HCA low-income residents over time.

The installation was completed in late November 2019. This data in this case study has been taken from the system's first 6 weeks of operation.

HOUSING CHOICES AUSTRALIA - ALTONA NORTH, VICTORIA		
<p>Number of apartments connected:</p>	<p>66.6 kW of solar</p>	<p>47%</p> <p>of the total summer electricity demand of the apartments was met by solar</p>
<p>Number of SolShare 35 units:</p>	<p>One 20kW inverter per SolShare</p>	<p>Average electricity bill savings of \$432 per household per year*</p>
<p>Payback period:</p> <p>5 years</p>	<p>Amount of solar energy per apartment due to SolShare optimisation:</p> <p>1.7kW</p>	<p>CO₂ saved per year:</p> <p>213</p> <p>93 tonnes of CO₂, the equivalent to 213 barrels of oil</p>