

# Case Study: Young Professional Apartment in St Kilda

Hi, my name is James and I am a 27-year-old accountant living on my own in an apartment in St Kilda that purchased a couple of years ago. I am lucky because the owner's corporation in my building are very sustainably focused and have reduced energy consumption through the installation of LED lighting and occupancy sensors in common areas. They have also provided each resident with their own portion of the roof space to install a solar PV system. I have decided to invest in a 2KW solar system which will take advantage of the City of Port Phillip Solar Partnership Program and the Victorian Government Solar Homes Package.

I am at work during the week days which means most of the power generated from the solar system will be exported back to the grid. However, I will still be able to reduce my bills because I am eligible for the Victorian feed-in tariff which pays me 11.3 c/kWh of electricity exported. The system I bought has an inverter that is battery ready, so I am also considering investing in a battery storage in a few years' time once the prices comes down. In the meantime, I am looking forward to reducing my electricity bills and carbon emissions by generating my own power at home.

<b>James 27, Single Living in an Apartment Building in St Kilda, 3182</b>	
Average Daily Electricity Consumption (kWh)	8.5
Electricity Tariff (\$/kWh)	\$0.25
Feed in Tariff (\$/kWh exported)	\$0.11
Solar System Size (kW)	2
System Cost (\$)	\$1,993
Annual Energy Savings (\$)	\$446

**ACTING  
ON OUR  
SUSTAINABILITY**