

Personal Experience with Residential Solar System 2009 -2024

For the last 15 years my 3 kW solar system has generated approximately 115% of the total electricity used and delivered positive cash flow via the Victorian Premium Feed in Tariff.

71% of generation has been exported and 67% of consumption imported where average daily use is 10kWh.

Adding an additional 3.5 kW panel capacity and a 13.5kWh battery should create a system that will provide 100% self-sufficiency throughout the year.

While the winter performance will test the limits of self-sufficiency, there will be significant over capacity in summer.

A 12-month trial of the installation will inform a decision to disconnect from the grid to remove the daily grid connection fee.

Should that scenario eventuate, the community will lose the benefit of the over production through more than half of the year.

It is not however sustainable to continue to participate in a consumer product purchase that is not financially viable for the individual household.