

# Case Study: Solar Business Warehouse in South Melbourne

My name is Jennifer and I am a 46-year-old business owner with a warehouse located in South Melbourne that the business purchased 9 years ago. My business turns recycled plastics into outdoor furniture and children's play equipment and business is booming. One of the biggest challenge's we have is reigning in our ever-increasing energy bills. We have already invested in LED lighting in our offices and LED high bay lights on the shop floor.

Variable speed drive technology has also been fitted to our pump equipment and EC Fan technology replaced our existing inefficient units. Due to our 7 day a week operation and the large flat unshaded roof on our warehouse, we are the perfect candidate for a solar system. As a result, I have decided to invest in a 30KW solar system which will take advantage of the City of Port Phillip Solar Partnership Program and provide power for our current and increasing future needs.

A large percentage of the power generated will be consumed onsite due to the nature of our business. The business is also eligible for the Victorian feed-in tariff which pays 11.3 c/kWh for electricity exported back to grid. The solar system is battery ready if we decide to invest in battery storage at some point in the future when production stabilises. In the meantime, I am looking forward to reducing the business's electricity bills and carbon emissions. It also provides us with a good news story for our clients and the wider community, proving that we are focused on the company's sustainability as well as the bottom line.

Small Energy Consuming Commercial Warehouse located in South Melbourne, 3205	
Average Daily Electricity Consumption (kWh)	200
Electricity Tariff (\$/kWh)	\$0.21
Feed in Tariff (\$/kWh exported)	\$0.11
Solar System Size (kW)	30
System Cost (\$)	\$33,020
Annual Energy Savings (\$)	\$7,922



**ACTING  
ON OUR  
SUSTAINABILITY**