

# RK Solar & Consulting Services

## Case Study – Metro Service Station



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**System Size:**

**25.5kW**

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<b>Panel Brand:</b>	Canadian Solar Inc
<b>Panel Model</b>	CS6P-255P (60 Poly cells)
<b>Panel Quantity</b>	100
<b>Inverter Brand:</b>	Fronius
<b>Inverter Model:</b>	Symo 20-3-M
<b>Solar Annual Production:</b>	36,300kWh
<b>Return on Investment (ROI)</b>	25%

Metro service station based in the Cessnock region. The service station is located on a busy main road and had high energy bills due to many freezers, lights, air conditioners and pumps running throughout the day. The owners were looking at reducing some fixed cost from the business and decided to put solar. This will give them big savings in their energy bills and also reduce their carbon foot print.

We proposed a 25kW Solar system, which would produce an average of 100kWh per day. This system will cut their energy bill by 35% - 65% depending on weather and time of year. The system would pay itself in about 3.5 years. The owners would pay the system off without any extra spending; as the savings would cover the repayments.



