

Toongabbie Montessori Academy – 24 kW Solar PV



GENERAL INFORMATION

Site Address: 7 Station Road, Toongabbie NSW 2130

Type: Early Learning and Childcare Complex

Daily Energy Usage: 230 kWh

SITE DESCRIPTION

- Lighting and AC loads are considered critical to maintain Australian standards for an educational facility, and to maintain student comfort levels

OUR SOLUTION

- 24 kW Solar PV System, consisting of 60 x 400W monocrystalline modules
- Reduces the daily electrical load of the facility by 55%
- Matching of solar system's production profile to large daytime loads greatly reduced the facility's peak demand capacity.



RESULTS



**Estimated
Annual Savings**

\$11,850



**CO₂ Emission
Reduction**

38.78 Tons



Payback

2.7 Years



**Annual Energy
Reduction**

46.72 MWh

