

## Case Study

# Orange Regional Airport



### Project Results



**100 kW**  
Solar PV system size



**\$228,773**  
est. 10-year energy  
cost savings



**152,686 kWh**  
of energy saved annually



**137 tonnes**  
of CO<sub>2</sub> abated annually



### Solar Carport PV System

Orange Regional Airport is a key transport hub for the central west, providing daily passenger connections with Sydney and a base for a growing number of aero-industry businesses. The airport is owned, operated and maintained by Orange City Council.

#### Project Goals

In order to accommodate increased visitor numbers, the Council has invested in a \$2 million upgrade which included a Solar PV system that will provide additional renewable energy to the airport.

#### Our Solution

The Green Guys Group delivered and successfully installed a **custom-built Solar Carport PV System and two additional carport structures** for Orange Airport. The Carport awnings and electrical infrastructure have been **engineered to allow for an expansion of the Solar PV system in the future.**

The Solar Carport not only protects parked vehicles, they simultaneously generate clean renewable energy, thus empowering the Council to **manage their energy consumption and costs whilst achieving sustainability and resilience to the changing climate.**

Fabricated from **Australian-made galvanised steel** mounting rails with an **integrated water management system**, the structure is designed to prevent water, snow, or ice run-off from the roof of the shade structure, hence reducing the risk of damaging vehicles and causing injury or inconvenience to pedestrians below.

*"The Green Guys Group has delivered a complete solar carport solution that **met our scope and requirements.** The team have **exceeded our high expectations in regards to safety and timeframe.** We were satisfied with Green Guys' performance and I'm happy to **recommend them for large-scale solar projects.**"*

**Tim Mooney** (Manager - Depot, Airport & Emergency Services)

As Australia's leading energy-saving partner, we enable businesses, education, healthcare, and government facilities to achieve sustainability and energy efficiency through LED lighting upgrades, solar and embedded energy solutions.



# Why Partner with Us

## Nationwide Project Management & Delivery



### Proven ROI

Our lighting solutions deliver ROI within 6 months on average and the majority of our solar projects are cash-flow positive within 3 months!



### Turnkey Experts

From audit, design, compliance, installation, project management and warranty, we will ensure the results exceed your expectations.



### Government Subsidies

Our team will expertly manage the application process to access government subsidies for energy-saving projects on your behalf.



### Certified for Excellence

We are certified for Quality Management, Occupational Health & Safety, and Environment with ISO 9001, 45001 and 14001.



### Extensive Warranties

All our high-quality products as well as our workmanship come with comprehensive warranties.

## The Green Guys Group Integrated Solutions

We provide a full portfolio of energy-saving solutions specifically designed to meet each of our client's unique requirements. Our mission is to provide a seamless journey throughout the project and process to support you in your quest to reduce costs and increase energy efficiencies.



Commercial LED Lighting Upgrade



Solar PV System & Power Purchase Agreement



Solar Embedded Network



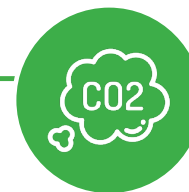
More than  
**10,000**  
projects  
nationwide



**\$70M+**  
in energy  
savings



**\$60M+**  
in government  
subsidies



Over  
**2.5**  
Megatonnes  
carbon offsets

