

# Case Study

## Commercial Lighting.

### Gosford Police Station.

Located 76 kilometres north of Sydney, Gosford is a suburb of the Central Coast Council area in the heart of the Central Coast region. Gosford Police Station worked with LumaLED and contract managers DTZ to a high quality but low energy solution to replace existing lighting. The aim of the upgrade was to reduce electricity consumption, increase savings and decrease maintenance costs.

#### The Project.

As an Accredited Certificate Provider Ecovantage worked with LumaLED to create Energy Saving Certificates (ESCs) from the Gosford Police Station lighting upgrade.

As Ecovantage is accredited under the Deemed Energy Savings Method (DESM), the commercial lighting energy savings formula is used to calculate the difference between the energy consumed by the original lighting equipment and the upgraded lighting equipment.

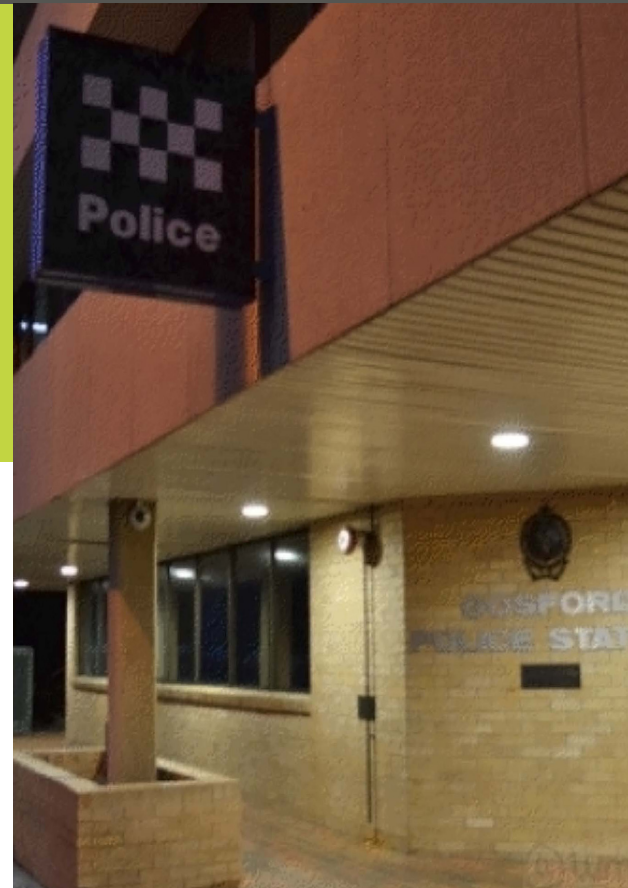
The lighting upgrade resulted in electricity savings of \$42,974.50, or 254.98 tons of CO<sub>2</sub> per year.

The creation and sale of ESCs reduced the initial outlay to \$52,653 (from \$155,312) which reduced the payback period to 99 weeks.

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#### Key Benefits.

- Reduction in lighting energy usage, saving over 254 tonnes of CO<sub>2</sub> per year
- An estimated \$42,974.50 saving in electricity costs and maintenance over the course of one year
- Total payback period of just 99 weeks



#### Highlights.



Estimated annual savings  
**\$42,000+**



Payback period  
**99 weeks**



Estimated annual CO<sub>2</sub> reduction  
**254+ tons**