



# LEADSUN

In partnership with



CASE STUDY

**Client:** Goulburn Mulwaree Council  
**Project:** Middle Arm Road - Street lighting  
**Lighting Compliance:** ASNZ:1158.3.1 category V5

★ ★ ★ ★ ★

This project has huge cost savings by being cable free!

**SOLAR LIGHTING**

SAVE UP TO **33%**  
Compared to grid powered lighting

## Project Overview

The Goulburn Mulwaree Council identified that one of their popular roadways was inadequately lit and was in need of a reliable lighting solution. However, after looking into a grid-powered solution they realised the cost to trench and cable would go over budget so they needed a more affordable solution.

Having working together previously on a shared pathway lighting project, council approached Leadsun who were able to provide an affordable and compliant solution that could be self-funded under the Council's Safe Road Program. The Lighting would also complement another solar lighting systems council installed back in 2013 which saw 50 solar lights installed along the connecting Marys Mount Road.

## Leadsun Solution

- 8 x AE6130
- 8 x Sylvania Street Leds
- LED output = 14w
- Lithium-ion batteries 768wh
- P Category Lighting Compliance = V5
- Lithium-ion batteries provides 10+ years maintenance-free life span

Before installing solar engines and LED fixtures, important consideration was needed to the existing underground power and communication infrastructure installed throughout the area, which posed a significant risk of being damaged with traditional excavation equipment.

This project also included the provision for eight SMART Public Street Lights on 8.0M Frangibles Poles with 2.0m outreaches. The Lights will operate from dusk-dawn.

The result is an adequately illuminated road up to standard and is all cable free and off the power grid which gives council a long lasting, reliable and sustainable solution for many years to come.



This project has an expected design life of 15 years

Call us on 1300 532 378 to discuss how we can deliver you a HUGE saving compared to grid power lighting