



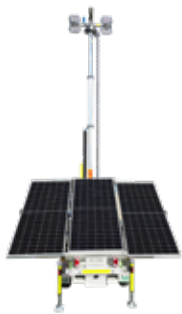
CASE STUDY

**Globe Power Solar Lighting Towers
GP43K Metro & GP56K Eco**

Moorebank Ave Upgrade Works - Moorebank NSW

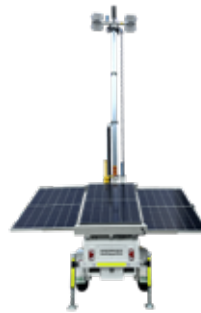
www.generatorsaustralia.com.au

PRODUCT SCOPE



- Solar powered lighting
- No operating noise
- Lithium-ion battery
- No emissions

Model	Runtime	Output	Battery
Metro GP43K	42 hours	43,000 lumens	10.2kWh Lithium



- High-powered lighting
- No diesel costs
- Rapid deployment
- Durable design

Model	Runtime	Output	Battery
GP56K Eco	30 hours	56,000 lumens	10.8kWh Deep Cycle Gel

PROJECT

Moorebank Ave Upgrade Works - Moorebank NSW

CLIENT

BMD

OVERVIEW

BMD partnered with GA to supply a reliable low cost lighting product for their Moorebank Ave Upgrade Project. This required large volume temporary lighting plant to replace existing street lighting, and also provide task lighting for the construction works. Generators Australia's solar lighting tower solution delivered zero diesel operating costs, zero emissions and zero noise pollution. With traditional diesel lighting towers being removed from site, BMD eliminated 529 small engine services and the associated safety exposure by reducing labour movements on the project.

The Result: Dramatically reduced running costs, reduced HSE risk and zero noise complaints while assisting BMD with their sustainability targets.

PRODUCT SUPPLIED

GP43K Metro and GP56K Eco solar lighting towers from the Globe Power range. Peak deployment of 34 units operating simultaneously across the site.

HIRE PERIOD

First Hire 12/12/22, Off Hire 19/11/25

TOTAL NIGHTS OF SOLAR LIGHTING

22,050

REDUCTION IN FUEL AND OPERATIONAL COSTS



Engine Runtime Hours
↓ **264,600 hours**
average 12hrs/night



Diesel
↓ **264,600L**
(Saving 1L per hour)



Diesel Cost
↓ **\$687,960**
(\$2.60 per litre)



Engine Oil
↓ **1,111L**



Engine Services on Site
↓ **529**

REDUCTION IN EMISSIONS



Hydrocarbon
↓ **529KG**



CO2
↓ **672,804KG**



NO2
↓ **5,385KG**



CO
↓ **4,712KG**



Particulate Matter
↓ **287KG**





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