



## Lenswood Oval | Lenswood Lenswood Recreative Park, Adelaide Hills, SA

### BACKGROUND

Provide lighting for a recreation park trail starting point picnic area and to provide an off-grid power source to illuminate the inside of an ablution block lighting including the septic tank monitoring system that sounds an alarm and notifies the Council when the system requires attention or emptying. The level of illumination required for safe access to the toilet block in the evening and to provide the required power was to be determined by the GFS lighting engineers.

### OUR SOLUTION

The solar lighting product that was deemed to be the most suitable for this application and powerful enough to harvest and store the required amount of power was the 9 metre high GFS-400 solar street light. This unit was then to be customised to operate the light fitting which is capable of running at 60W all night down to 30W with the extra power diverted through an external power feed to the toilet block septic monitoring systems [pictured]. The lighting and energy storage system reliably provides sufficient capacity to run the LED fixture and supply the monitoring control box with continuous power (24x7)



### RESULTS

Adelaide Hills Council report the systems provided ample lighting at the location and that the system was functioning as anticipated. This project is a great example of some of the flexible capabilities of solar powered lighting that are often only available to locations with electricity power grid access. The cost savings to Local Government for low voltage devices such as irrigation controllers and septic monitoring can be significant as the ongoing connection charge (charged as a flat rate) can far outweigh the cost of the energy that was supplied.