

City of Karratha | Karratha, Western Australia 250+ GFS-200 Solar Street Lights, Region D Version

BACKGROUND

In December 2016, Green Frog Systems was successful in winning tender for the supply of GFS-200 Solar Street Lights, to provide all year-round lighting for suburbs within the township of Karratha. This included providing lighting to the suburbs of Bulgarra, Millars Well, Nickol and Pegs Creek. The township of Karratha has some of the highest cyclonic winds in the nation, therefore it was required that the lighting was designed to withstand Australia's highest wind speeds of over 260km/h. It was also important that the systems provided superior security to prevent unauthorised access to batteries/controllers.

OUR SOLUTION

We developed a special Wind Region D version of our flagship GFS-200 solar lighting system that would be capable of withstanding the high wind speeds seen in areas such as Karratha. Our solution was also successfully guaranteed to withstand cyclonic wind speeds of up to 262km/h through independently certified engineering reports. Our lighting solution included both security key access and padlock secured battery enclosures to ensure they met all security requirements for the Council. The Solar Lights will provide advanced solar lighting all year round, providing a safer environment, a reduction in vandalism and zero operating costs.



RESULTS

The City of Karratha has continued to install more of the GFS-200 Region D Version Solar Lights, with Green Frog Systems being a successful tenderer for a further 78 systems in 2017 and winning a three-year tender in 2018. The GFS-200 has become the leading product of choice for Councils and Governments situated in Northern Australia and remote island communities.