

## Project Outline and Recommendation

Project Name	-	IGA Solar Power and Lighting Upgrade
Location	-	IGA Rivervale Western Australia

### Overview

The project was originally to upgrade lighting in the premises to LED and install a solar power system for the power usage in the shop

Onedex Power and Water provided the quotation for the supply of the LED lighting and the solar power system. When they inspected the roof area for the solar power system, they found that the roof was in a seriously degraded state. They recommended that we take action to rectify this before we install the solar power system to eliminate the need to remove the solar system for roof repairs at a later time.

Onedex Power and Water recommended MPA (Maintenance Products Australia) to repair and provide a solar coating membrane that would not only repair the roof but extend the longevity of the roof for a further 20+ years.

### Project

We accepted the quotation from Onedex Power and Water to supply and install a 30KW Solar power system, replacement of the fluorescent tubes with LED tubes to the entire shop and also from MPA, to repair and provide the membrane for the roof.

Onedex Power and Water worked with MPA to complete the roof repairs, corrosion control and coating membrane and then proceeded with the supply and installation of the 30kw solar power system. They then replaced all the existing Fluorescent tubes with LED tubes.

### Outcomes

The outcomes we experienced are as follows:

Roof membrane has extended the life by an additional 20+ years

Reduction in air conditioning requirements by approximately 50% due to temperature reduction of the roof coating membrane

Reduction in power usage by approximately \$1500 per month from energy produced by the solar power system (approximately 45 - 50% of total usage).

Payback for the entire project is expected to be less than 3 years

Reduction in power usage for lighting of approximately 60% on Fluorescent usage

### Recommendation

We are very happy with the recommendations and finally the work carried out by Onedex Power and Water and MPA at our centre and would highly recommend them to anyone seeking to take advantage of their services.

The project was a total success and you are welcome to call me at any time to discuss this project.

Best Regards

Tony...

IGA Rivervale

Western Australia