

CITY OF PLAYFORD TAKES SOLAR PUMPING TO THE NEXT LEVEL



The City of Playford is enjoying great energy savings and emissions savings after engaging Sustainable Focus to cut operating costs at 4 of their wetlands and aquafer pump station sites. Sustainable Focus designed and installed innovative bespoke solar systems that utilise the existing concrete pumping structure to maximise the solar footprint of the site.

RESULTS

ANNUAL ENERGY
REDUCTION OF

50%



ANNUAL ENERGY
SAVINGS OF

\$29,500



OVERALL
PAYBACK OF

5
YEARS



The council achieved substantial energy savings at the sites through the installation of bespoke solar systems designed by Sustainable Focus.

35 kW capacity solar systems were installed at two sites, with 30 kW capacity and 25 kW capacity systems installed at the other two sites.

The solar systems were installed onto the existing council water tanks, utilising the concrete tank structures to great result, and included anti-vandal precautions.

The design included building a sub-structure to maximise the size of the installed solar and optimise the water pumping systems.

Control measures were integrated with the systems to reduce the cost of pumping water during windows of high-cost electricity and pumping times have been optimised even further by changing pumping schedules and shifting to lower tariff times of the day.

The energy efficiency improvements at the pumping stations reduced their energy demand and electricity grid reliance and gained the council significant savings.

CLIENT FEEDBACK

“Investing in these upgrades has been a smart move for the council as they have significantly reduced our energy operating costs” Jon Roberts - Asset Operations - City of Playford