



“ As a council we are committed to finding sustainable solutions to our energy requirements, as well as cutting costs where possible so more can be spent on front-line services.

This is an ideal opportunity to use renewable energy to power a site which uses innovative technology and I'm delighted that we are leading the way in doing this.’

Toby Sturgis, Cabinet Member for Waste, Wiltshire Council

Northacre RRC

Wiltshire, South West UK

Technology: Solar PV
System size: 318.24 kWp
Annual Output: 280,500 kWh
Annual CO2 savings: 148,280 kg

At the time of installation, the system at Northacre RRC was the largest Local Authority rooftop PV system in the UK.

The 1,248 solar panels – covering an area equivalent to more than seven tennis courts – will generate in excess of 280,500kWh hours of electricity each year.

All of the electricity generated is consumed on site, helping to power the mechanical-biological treatment process used to turn household waste into solid recovered fuel (SRF) instead of being sent to landfill.

The benefits of the solar panel system to Wiltshire Council are significant, with annual bill savings and income from the Feed-in Tariff of more than £55,000, as well as annual CO2 emission reductions of 148 tonnes.

Over 20 years the financial benefit is expected to exceed £1.5M. The system will also eradicate more than 2,720 tonnes of CO2 emissions.

Crucially for a plant such as Northacre RRC with a high energy demand, the unit price of electricity produced by the panels over the system's 25-year life is significantly less than the rate for grid supplied electricity.

T: 01275 461 800 | E: info@solarsense-uk.com