

Widemarsh Childrens Centre



Key facts

Location: Widemarsh Childrens Centre

Grant recipient: Herefordshire Council

Purpose: The building houses childrens services and has a number of offices, ancillary rooms, welfare facilities and a commercial kitchen area.

LED Lighting: Light emitting diodes, also known as LED technologies, offer better working conditions through optimised luminaries, flexible lighting control and improved use of daylight.

Solar PV: Solar panel electricity systems, also known as photovoltaics (PV), convert the sun's energy to generate electricity.



Energy efficiency measures:

LED Lighting and Controls: 204 LED luminaries and control systems fitted throughout the building

Predicted energy saving: 6,125 kWh/yr;

Anticipated cost saving = £816/ yr;

CO2 savings/yr: 2.2 tCO₂/yr

Solar PV: 69.2 kWp roof mounted system; 210 JA Solar 330W solar poly-crystalline panels

Predicted energy generation: 55,478 kWh/yr

Anticipated cost saving = £7,378/yr

CO2 savings/yr: 19.4 tCO₂/yr

Financials

System Cost: £60,597

Funding: 50% ERDF Sustainable Energy in Public Buildings
50% Herefordshire Council
Capital funding

Predicted payback to Council: 3.6 years

For further information

The Sustainable Energy in Public Buildings (SEPuBu) is a ERDF funded Grant scheme for innovative low carbon measures in public buildings across the Marches.

Matt Locking, SEPuBu Project Manager
email: mlocking@herefordshire.gov.uk