



CASE STUDY

Rose Hill Eco Homes

Oxford Citizens Housing Association
in partnership with Oxford City
Council.

New build eco-homes to replace
two 1950's council houses.

Solar water heating systems and
solar PV system installed to provide
significant cuts in carbon emissions
and fuel bills for tenants.

Innovative eco-technologies and
materials used.

"I am impressed by what you get for
the price. I think the Imagination
Solar system is extremely good
value."

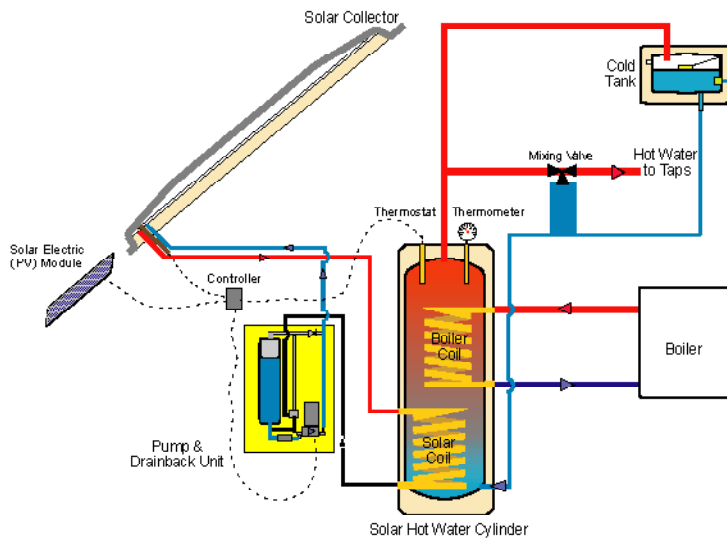
Christine Warner, Oxford Citizens
Housing Association



Installed by accredited agent, South West Trace Heating



Solar pv



Government Grants

- Under the 'Clear Skies' grants scheme, 50% of the cost of installing this solar water heating system was covered
- A 65% grant was provided for the installation of the solar PV system, under the Major PV Demonstration Programme run by EST

Technical Specifications Solar PV (Electric) (per house)

Size	2 kWp
Area	15.6 m ²
Expected annual generation	1600 kWh

System Description

- The 24 module PV installation is split into two separate systems, each supplying solar electricity to one eco-home, contributing approximately 50% of the electricity demand over the year
- Each system is connected to an inverter, which safely controls & measures the flow of electricity into the home
- The system is grid connected, which allows any surplus solar electricity to be exported and sold to the utility, with any shortfall imported from the utility in the usual way

Technical Specifications Solar Water Heating (per house)

Size	1 solar collector
Area	2.7 m ²
Cylinder	160 litre twin coil cylinder

System Description

- Two solar collectors are installed, each supplying solar hot water to one home, contributing 50-70% of the annual hot water demand over the year
- Each system is connected to a new twin-coil cylinder, with one coil providing heat from the solar collector, and the second providing heat from the condensing boiler, which acts as a supplementary heat source in winter or in times of high demand
- The virtually unbreakable polycarbonate collector covers are also vandal proof.

www.imaginationsolar.com

Unit 4 Montpellier Central, Station Road
Bristol BS6 5EE
t: 0117 942 6668 f: 0117 942 8998
e. enquiries@imaginationsolar.com
Reg. in England No. 4226842

