

Soaking up the sunlight

2.94 kWh Flat Roof Solar PV Installation, Crookes, Sheffield.



A Solar PV installation in Crookes, Sheffield.

With an existing Solar Thermal system already in place...

Homeco Energy was requested to help the client make the most of the recently increased Feed in Tariff.

The property required a solar PV system split into three arrays over the entire length of his roof, with the Solar Thermal system in the middle.

The chart shows the expected electricity generation of this system and the income that is produced by the feed in tariff. Note also that an electricity saving is made since the client no longer has to pay for the amount of electricity that his system produces.

System Size	2.94 kWh
Annual Generation kWh	2,298
Expected Electricity Saving @ 12 pence per kilowatt*	£138
Feed In Tariff Income @ 41.3 pence per kilowatt	£995
Year 1 Income and Savings	£1,169
Year 5 Income and Savings - cumulative *	£6,236
Year 10 Income and Savings - cumulative *	£13,555
Year 25 Income and Savings - cumulative *	£44,174
Expected Pay Back time for this project	8 yrs 3mths

* Based upon expected 50% usage of total electricity generated.

** The feed in tariff is guaranteed for 25 years and is index linked and therefore rises each year. We have taken a 3% inflation figure for this illustration.

49 Wollaton Road, Bradway, Sheffield S17 4LF
0114 2935019

homecoenergy.co.uk info@homecoenergy.co.uk

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