

# Pembrokeshire South East Energy Group

## Photovoltaic Panels

**Generate your own electricity. Turn your house into a mini power station.  
Installing Photovoltaics on your roof can reduce your electricity costs**

**As the Feed in Tariff (FIT) is set by government and the conditions and payments change, access the current information at the following websites:**

Feed in Tariffs: <http://www.energysavingtrust.org.uk/domestic/feed-tariffs-0>

Solar Panels: <http://www.energysavingtrust.org.uk/domestic/solar-panels>

**Ideally install on a south-facing roof with no shading from trees or adjoining property.**

### Case Study:

An array of 12 photovoltaic modules installed on an east-facing roof – not ideal – on 15th December 2009.

Rating: 2.53 kW

Cost: £13,686.05 (prices are about £4,000 to £5,000 at the moment)

Projected Annual Generation: 1,912 kWh

Actual generated, 15th December 2009 to 15th December 2010: 2,352 kWh

Actual generated, 15th December 2010 to 15th December 2011: 2,223 kWh

Actual generated, 15th December 2011 to 15th December 2012: 2,068 kWh

Actual generated, 15th December 2012 to 15th December 2013: 2,224 kWh

Actual generated, 15th December 2013 to 15th December 2014: 2,268 kWh

**Total amount generated up to 22nd April 2016: 13,925 kWh**

Plus a saving from the reduction of electricity used from the grid:

**Before fitting: Electricity used from 15th December 2008 to 15th December 2009 – 2,102 kWh**

After fitting: Electricity used from 15th December 2009 to 15th December 2010 – 1,372 kWh

After fitting: Electricity used from 15th December 2010 to 15th December 2011 – 1,455 kWh

After fitting: Electricity used from 15th December 2011 to 15th December 2012 – 1,402 kWh

After fitting: Electricity used from 15th December 2012 to 15th December 2013 – 1,570 kWh

After fitting: Electricity used from 15th December 2013 to 15th December 2014 – 1,639 kWh



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