

## 7.2 kWp Solar Electric Array

Howard Primary School, Croydon.



In December 2009 / January 2010 Ardenham Energy installed and commissioned a 7.2 kWp system for the Howard Primary School in Croydon. Up against terrible weather the electrical and mechanical installation was completed in 3 days.

The electricity generated is synchronised with the grid supply via 2 Fronius IG30 inverters and will be used to supply clean energy to the school, as well as exporting to the grid for use elsewhere when there is more excess energy.

The 7.2 kWp array is almost silent in operation and will generate around 6500 kWh of greenhouse gas free electricity each year.

- 40 no Romag 180 Poly-crystalline Modules
- 2 no Fronius IG20 Inverters
- kWh Meter
- DC and AC switchgear
- Wireless kWh / kW / CO2 Display

The project was funded by Low Carbon Buildings Programme, and British Gas Energy For Tomorrow Fund

**Ardenham Energy Ltd** is an engineering contractor certified under the UKMCS Low Carbon Buildings Scheme for grant aided projects ([www.lowcarbonbuildings.org.uk](http://www.lowcarbonbuildings.org.uk)). The company has extensive renewable energy engineering project experience and can provide a full service for wind systems, solar PV (electric), solar hot water systems, ground and air source heat pumps and backup power systems. These can be for domestic, governmental and commercial and non commercial buildings in the Home Counties and London region.

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