

## CASE STUDY

**The Piddle Valley is now a net exporter of renewable power!**

### Bourne Park Solar PV Installation



The system, designed by *ANESCO*, comprises 7,868 polycrystalline solar PV panels, arranged in thirty two rows up to 165 metres long, generating DC power connected to a new 7.5MVA Primary Substation built for *SSE Power Distribution*, which 'steps up' the AC electricity from 11kV to 33kV



- **TOTAL = 2,400kW of capacity, expected to generate around 2,520,000 units/kWh per annum. This is enough electricity to supply the average annual needs of 750 average UK households.**

**Bourne Park Solar PV is a project devised, built and operated by *Farm Power Apollo Limited***

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[www.farmpowergen.co.uk](http://www.farmpowergen.co.uk)

Together with renewable electricity generated from the nearby ECO Sustainable Solutions food waste Anaerobic Digester plant and a second recently commissioned local 5MW solar PV scheme, the Piddle Valley, with 2,500 households, is now a net exporter of power.

### The Project

- Planning Permission was granted in October 2013 with full support of the Piddle Valley Parish Council (thank you!) and not one expression of dissent made to West Dorset CC.
- *ANESCO* were selected as prime contractor and the site was deployed within 100 days – involving seamless teamwork between *Hanford Holdings*, *SSE Power Distribution* and *ANESCO*
- There is no concrete in the field except for the transformer foundations and the whole 20-acre enclosure is seeded with a robust wild flower mix including Ox-eye Daisy, Bird's-foot-trefoil, Black Knapweed and Field Scabious (as recommended by Dr Phil Sterling of Dorset CC Natural Environment Team (thank you, too!))

