

# SOLAR PV

## WEST BALMIRMER FARM



- LOCATION **West Balmirmer Farm, Angus, Scotland**
- SYSTEM SIZE **50kWp**
- EXPECTED ANNUAL GENERATION **43,100kWh**

West Balmirmer, owned and operated by the Fairlie family, is a mixed arable and livestock farm near Arbroath. With renewable energy installations at their other farms, the Fairlies were keen to invest in a suitable technology at West Balmirmer to further reduce the carbon impact of the business and cut their electricity spend at the site.

After Locogen had installed and commissioned a 500kW wind turbine for the Fairlies at Pickerton Farm, and achieved planning consent for a similar turbine at Stotfaulds Farm, the family approached Locogen to advise on the most suitable technology at West Balmirmer.

The high energy use at the farm coupled with the southerly orientation of roof space lent itself well to a solar installation, providing a low-risk opportunity to secure a long-term income from the Feed-in Tariff (FiT) whilst further boosting the farm's environmental performance.

Locogen provided a turnkey service for the project, completing all the works from the initial energy yield assessments through to the design and installation of the solar array, before finally commissioning the system and accrediting it to receive FiT payments.

The system features 200 x REC 250W panels and is connected to the grid via SMA inverters. Around 90% of the electricity generated is used onsite, creating a significant saving for the business.



*"I have worked with Locogen on various renewable energy projects since I started looking into options across the farming business in 2012. The solar installation at West Balmirmer is a welcome addition to the business, and has been installed in a timely manner, with no disruption to the farming operations."*

David Fairlie, Owner

Locogen's team has several years' experience in the feasibility, design, installation, commissioning and operation of commercial solar PV schemes. We have completed installations throughout the UK for a range of agricultural, retail, industrial, manufacturing and public sector clients, working on a wide variety of pitched and flat roof types.

We have in-house consenting, design and installation teams as well as an Asset Management Team who can remotely monitor operational systems on a daily basis to ensure they are working efficiently. A list of some of our installations is provided below. Please contact us if you would like any advice on solar PV at your site.

## COMPLETED SOLAR PV INSTALLATIONS

Completed	Name	Size (KWp)	Location
2010	Glasgow University	120	Glasgow
2011	Dowhill Farm	50	Ayrshire
2011	Princes Gate Spring Water	50	Pembrokeshire
2014 & 2015	Auchrennie Farm	150	Angus
2014	West Mains of Colliston	100	Angus
2014	West Balmirer Farm	50	Angus
2014	Kirkton of Monikie Farm	50	Dundee
2014	Newton of Boysack Farm	82	Angus
2014	Dubton Farm	100	Angus
2014	Easter Denhead Farm	50	Perthshire
2014	North Mains of Turin	50	Angus
2014	Myreton of Claverhouse	30	Angus
2014	Panlathry Mill	50	Angus
2014	Myrtle Grange Farm	46	North Yorkshire
2014	Newlands Farm	50	North Yorkshire
2014	Slade Farm	50	Angus
2014	Backbooth Farm	50	Angus
2014	East Idvies Farm	50	Angus
2014 & 2015	M&Co – several UK retail stores	800	UK-wide
2014	Mains of Fordoun	30	Aberdeenshire
2014	Drumsleed Farm	30	Aberdeenshire
2014	Sootywells Farm	50	Aberdeenshire
2014	Mains of Luther	45	Aberdeenshire
2014	West Herdhill Farm	50	Angus
2014	West Mains	30	Perth

Completed	Name	Size (KWp)	Location
2014	Newhouse of Glamis	45	Angus
2015	Lochlea Farm	30	Ayrshire
2015	Cairnfold Farm	50	Aberdeenshire
2015	Westerton of Pittarrow	50	Aberdeenshire
2015	Royal Botanic Garden	10	Midlothian
2015	Folly Farm	250	Pembrokeshire
2015	Prestige Leisure	250	West Lothian
2015	Groundwater Lift Trucks	45	Aberdeenshire
2015	Arbuthnott Wood Pellets	30	Aberdeenshire
2015	Cotton of Ovenstone Farm	50	Angus
2015	Sandhall Farm	50	North Yorkshire
2015	South Fornet Farm	30	Aberdeenshire
2015	Prieston Farm	50	Angus
2015	East Mains of Dunnichen	30	Angus
2015	Cotton of Pitkenney	50	Angus
2015	Park Farm	50	East Riding of Yorkshire
2015	Rosefield Farm	50	Perth and Kinross
2015	Smithfield Farm	50	Angus
2015	Monifieth Golf Links	12	Angus
2015	Braeside of Bogfechel	50	Aberdeenshire
2015	The Hangar Shed	45	Aberdeenshire
2015	Pittrichie Farm	50	Aberdeenshire
2015 & 2016	JJ Food Service Limited – 2 sites	500	Kent and Greater London
2016	Fletcherfield Farm	50	Angus
2016	Pluckerston Farm	136	Angus

