

CASE STUDY – GALLOWS HILL

KEY DATA

- No. Turbines: 1
- Turbine type: Enercon E48 (500kW)
- Date Work Commenced: February 2006
- Date of First Generation: November 2012
- Annual Electricity production: 1,500MWh



TECHNICAL SUPPORT AND PROJECT MANAGEMENT

Green Cat Renewables provided Technical support and Project Management during planning condition discharge, detailed design, procurement and construction stages for Gallows Hill. This was a single 500kW E48 project successfully built, commissioned and delivered on schedule.

Due to changes in the Feed in Tariff rates on the 1st of December 2012 any slip in programme past this date would have resulted in significant financial impact on the project.

KEY STAGES IN THE WORKS CO-ORDINATED EFFICIENTLY TO MEET THE DEADLINE:

- All planning conditions to be discharged and council and HSE given appropriate notification before any works begin on site.
- Enabling works, including access track, turning area and crane hardstanding, to be completed prior to foundation construction.
- Foundation construction to be completed a minimum of 3 weeks before turbine delivery for curing time.

- Substation foundation to be completed and cured prior to SSE switchgear delivery. GRP substation to be delivered and bolted directly after switchgear.
- Plate Load Tests performed prior to crane arriving on site. Additional works were carried out by the contractor on areas of the access track which failed the test. These were completed in good time as the tests were scheduled to allow for this eventuality.
- All off-site works to be completed and trialled before turbine delivery.
- PPA, Meter Operator and Ofgem accreditation application to be in place before the turbine installation.
- Connecting electrical works, testing and commissioning to be completed before FIT reduction.

Green Cat Renewables worked assertively with the turbine manufacturer (Enercon), DNO (SSE) and electrical contractor (Prelec) to ensure that the turbine was commissioned and generating onto the grid by the deadline, guaranteeing the higher FIT tariff.