



CASE STUDY



Key Information

Existing on site use - 333,000 kWh P/A
Renewable generation - 240,000 kWh
73% reduction in grid supplied electricity
Tonnes of CO2 saved - 130 P/A

Newbald Lodge

Customer: Humberside Farmers

Introduction:

Newbald Lodge is a modern arable farming enterprise growing produce for the UK and overseas. Boston Renewables were contacted by Newbald Lodge in early 2012 with an interest in reducing their carbon footprint and generating green power for use within their farming business.

Challenge:

The farmstead at Newbald Lodge has an annual requirement for approximately 330,000kWh of grid supplied electricity to condition and store arable produce and seed potatoes.

The challenge was simple: to offset as much of the farm's requirements for grid supplied electricity as possible.

Solution:

Boston Renewables installed a Solar PV system that generates over 40,000kWh of electricity per year. This was followed by the installation an Endurance E-3120 wind turbine which produces approximately 200,000kWh annually, thanks to one of the best wind speed sites in East Yorkshire.

The combination of solar and wind technologies, together generating over 240,000kWh of electricity, are ideally suited to reduce the consumption of grid supplied electricity at Newbald Lodge.

Clients Comments:

"Performance of both of our systems has been in line with budgets provided by Boston Renewables and to date no technical problems. Installation was as planned, very efficient and on time. Our electricity bill has been duly reduced. I can commend the services of Boston Renewables to any prospective customer"

Adrian Hatchett - Humberside Farmers

