



**PARTNERSHIPS
FOR RENEWABLES**

A CARBON TRUST ENTERPRISE

Bure Wind Energy Project



Agenda

The project team

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To discuss

- The partnership – PfR and NOMS
- Development process and the Bure project
- Community consultation and community benefit fund
- Q & A

Partnerships for Renewables

- Private company set up in 2006 to develop commercial-scale renewable energy projects on public sector land (shareholders – Carbon Trust 51% and HSBC 49%)
- Councils, universities, government agencies...
- Partnership:
 - Land-based relationship – PfR leases the land from the public sector body
 - PfR manages the entire project from investigation through to development, construction and operation
 - PfR covers all development costs
 - Some projects – look into the possibility of installing a private wire (electricity from turbines supplied directly to a large body such as a hospital, factory or a prison and the rest put into the National Grid)
- www.pfr.co.uk

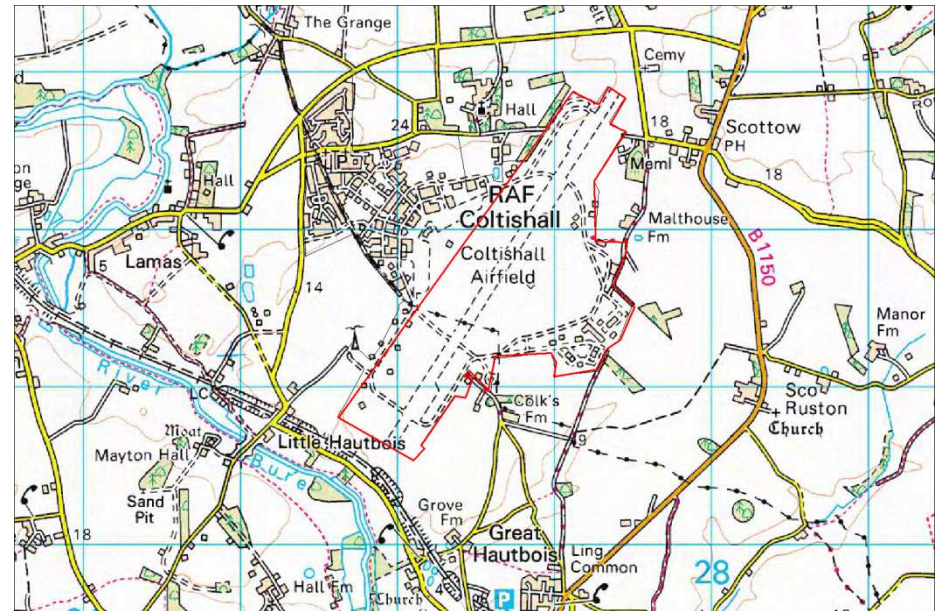
The National Offender Management Service (NOMS)

- Sustainability drive – reduction of emissions and generation of renewable energy
- Want to explore the possibility of offsetting energy consumption with renewable energy generation
- Projects in Cumbria, Kent, Lincolnshire and Norfolk

Bure wind energy project

Project status

- Section 106 Agreement – required to explore renewable energy potential
- Very early stages of development (at least 12 months or more of studies to come)
- 1 x 2-3 megawatt turbine
- If 1 x 2.5 MW...
 - = 5.4 GWh annually
 - = equivalent to annual electricity needs of Bure prison + 900 households
 - = 2,300 tonnes of CO2 displaced



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Development process – *Environmental Impact Assessment* and planning



Environmental and technical studies – current overview

- **Access** – preliminary study: proposed route from the A47, A140 and B1150 onto the site
- **Aviation** – study upcoming (RAF Trimingham and Norwich Airport)
- **Civils** – works have been identified
- **Cultural heritage** – study later on in the development process (WW2 blast walls and bunker, listed buildings and churches etc)
- **Ecology** – studies later on in the development process
- **Grid connection** – 11kV in Scottow or 33kV overhead
- **Hydrology** – no flood risk
- **Landscape and visual** – study later on in the development process (photomontages)
- **Layout** – please see constraints map
- **Microwave links and telecommunications** – 3 lines identified, buffers added
- **Noise** – background survey complete; noise contour map once turbine position fixed
- **Ornithology** – 12 months bird monitoring from Oct 2009
- **Wind resource** – met mast application submitted in Jan; to go up by end of spring

Project consultation

- In the public domain from the early stages of development
- Proactive, inclusive and extensive – guided by local preferences
- Consultation tools:
 - Project website: www.pfr.co.uk/bure
 - Public exhibitions and community surgeries
 - Presentations to groups as requested
 - Newsletters and regular updates on project's progress
 - Wind farm visit
 - Schools
- Input

Community benefit fund

- £2,500 per installed megawatt on an annual basis (index-linked), e.g. 1 x 2.5MW = £6,250
- Separate consultation process – conducted by a third-party (later on in the development process)
- Consultation will look at:
 - Who are the local community?
 - What kind of administrative body? (e.g. cooperative/limited company)
 - What kind of projects?
 - Opportunities for matched funding?

Key developments

Development

- Wind monitoring mast application submitted in Jan 2010 – met mast will record onsite wind data (approx. 70m high)
- Scoping report to be prepared in March 2010 – this will detail the studies being conducted for the site and their methodologies
- Approaching third-party landowners (e.g. access, possible participation, habitat management etc).

Consultation

- Public exhibition – first one being organised for February (venue and date tbc)
- Community surgeries every 2/3 months thereon after...