

# Heysham South Wind Farm

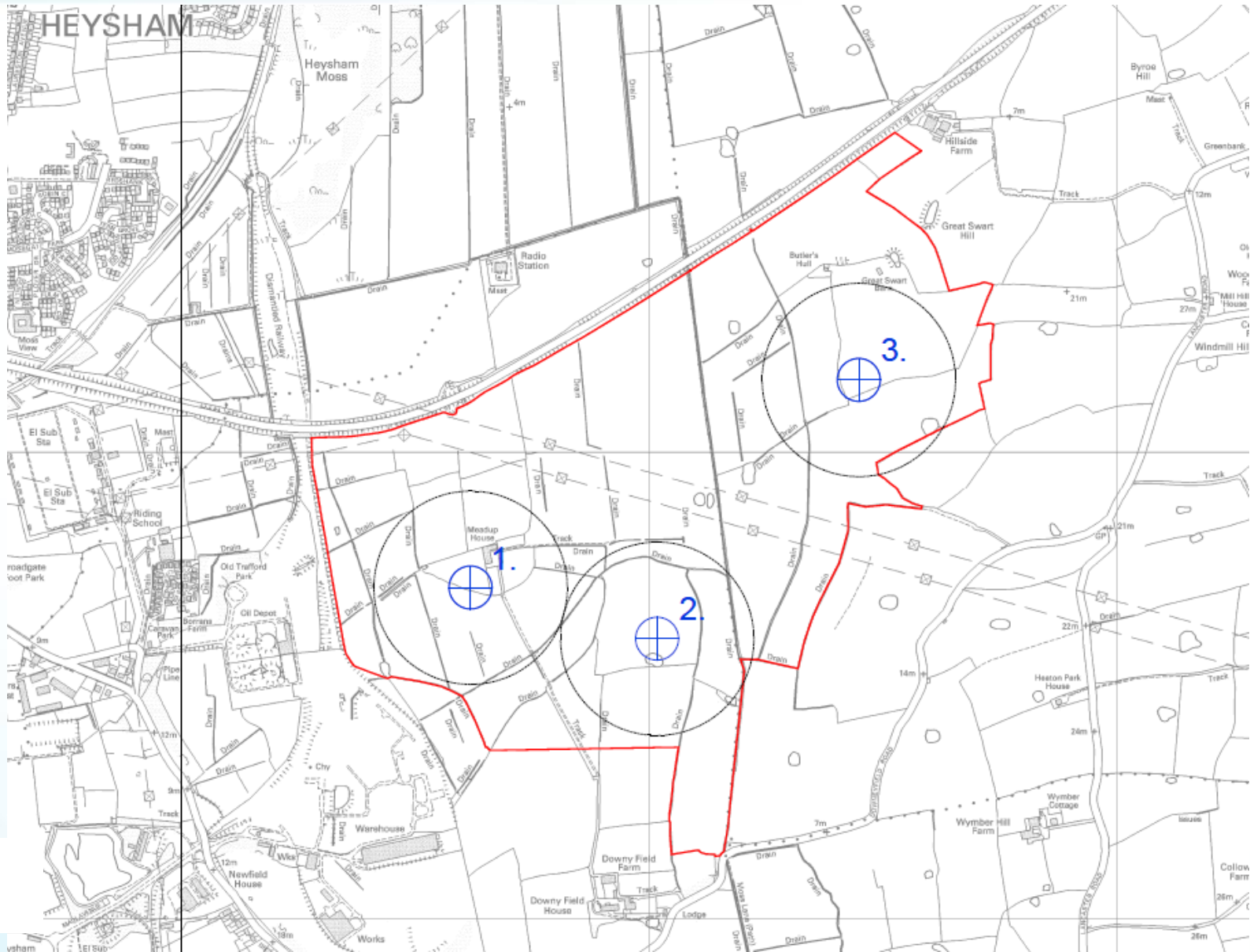
Update May 2011

# Key Facts

## Final Layout

- 3 turbines, 80m to hub, 125m to blade tip
- Up to 7.5MW
- Electricity for 4,200 homes, 7.5% of households within Lancaster district
- Permanent wind monitoring mast
- Grid connection building
- New access off the A683 and onsite access tracks
- Construction period of around 9 months
- Community liaison group would be set up during construction phase

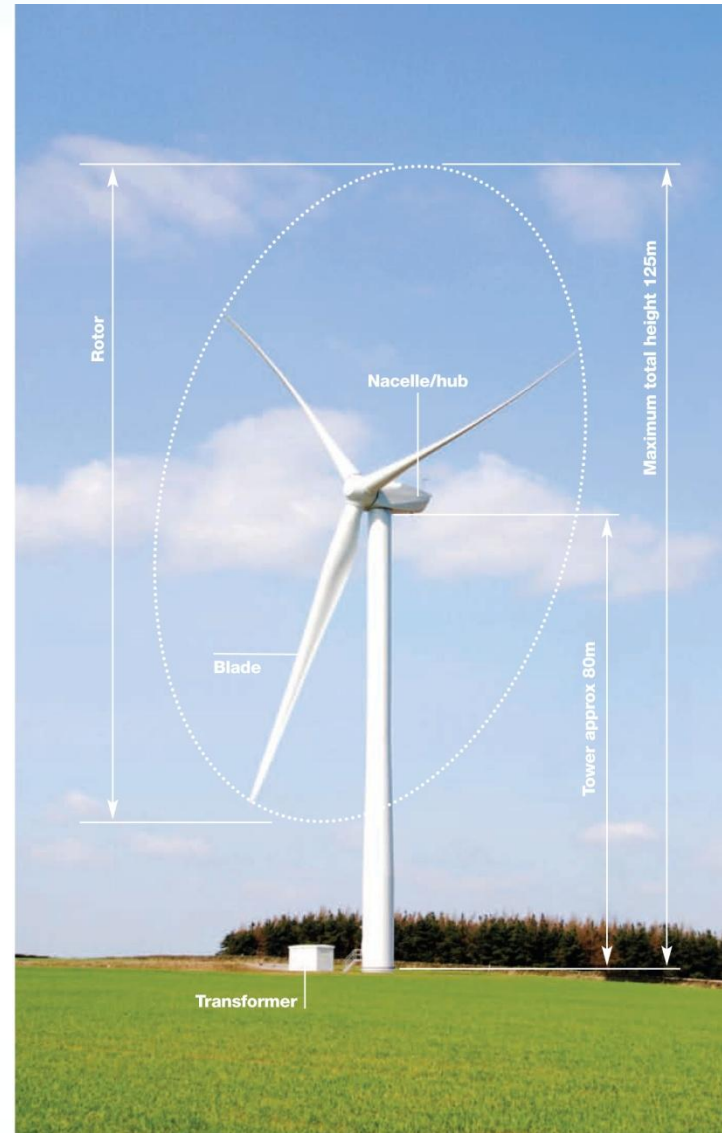
# Turbine Layout



# Wind Turbine Specifications

Total height to blade tip – 125m

Hub height – 80m



Height and components of proposed wind turbines. Photo for illustrative purposes only. Image shows a 100 metres (to tip) turbine, rotor diameter 82m, tower height 60m at Tow Law, County Durham.

# The parts of a wind farm



Turbine transformers can be housed internally or externally

Grid connection building size depends on type of connection e.g. 33KV.

Grid connection underground/over ground.

Most likely wooden poles.

Route dictated by grid operator.



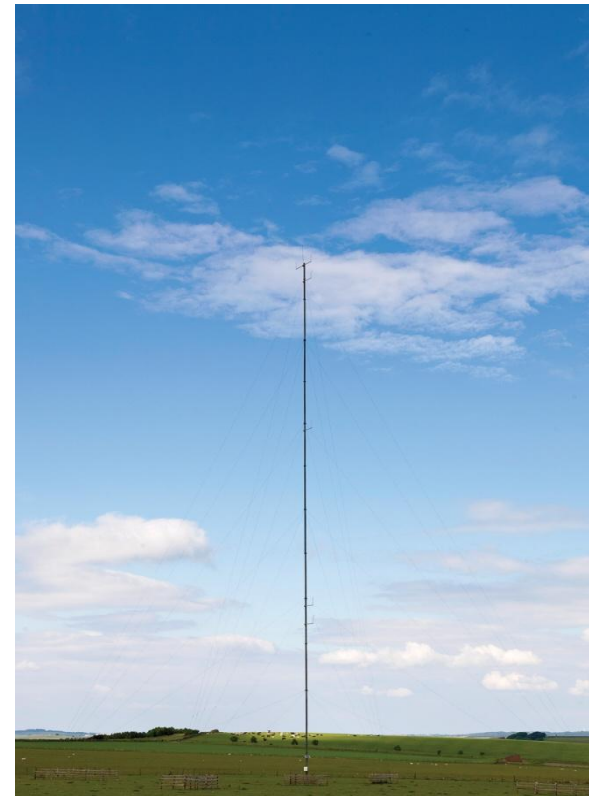
# The parts of a wind farm



Access tracks min. 5m wide –grass over after a few years

Crane pads and turning areas

Wind monitoring mast/ performance mast(s)



# Community Benefits

- Aim to tackle fuel poverty within Lancaster district through a Warm Zone Initiative
- Within Heysham South ward – Energy Saving Trust estimate 25% homes have unfilled cavities, 50% homes have less than 100mm loft insulation
- Total of 2100 homes could benefit
- Installation of energy efficiency measures
- Benefits checks/fuel debt advice
- Spin off benefits of Warm Zone
- Create approx 50 local jobs, tackle excess winter deaths, awarding local installers contracts



# Community Benefits

- **BANKSCommunityFund** development with care available now for community and voluntary organisations to apply for funding to assist with
  - Energy saving measures
  - Developing/improving outdoor spaces
  - Improvement/maintenance of sport and community facilities
  - [www.bankscommunityfund.org.uk](http://www.bankscommunityfund.org.uk)

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- Dedicated Community Fund for the Wind Farm
    - estimate of £10,000 per annum for 25 years, £250,000 for lifetime of wind farm
    - Local group would be set up to allocate funding

# Next Steps

- We received planning permission for a temporary wind monitoring mast in December 2010 and plan to erect the mast on site in June
- We are in the process of completing the planning application and hope to submit it to Lancaster City Council in July/August 2011
- We will be holding public exhibitions in the summer to display the final planning application

# Get in touch

To find more information about the Heysham  
South Wind Farm please contact

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