

Wind power Will the success continue and where?

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*INFORSE - Europe Pan European Seminar
September 30 - October 4, CAT, Wales*

British Wind Energy Association

Mission:

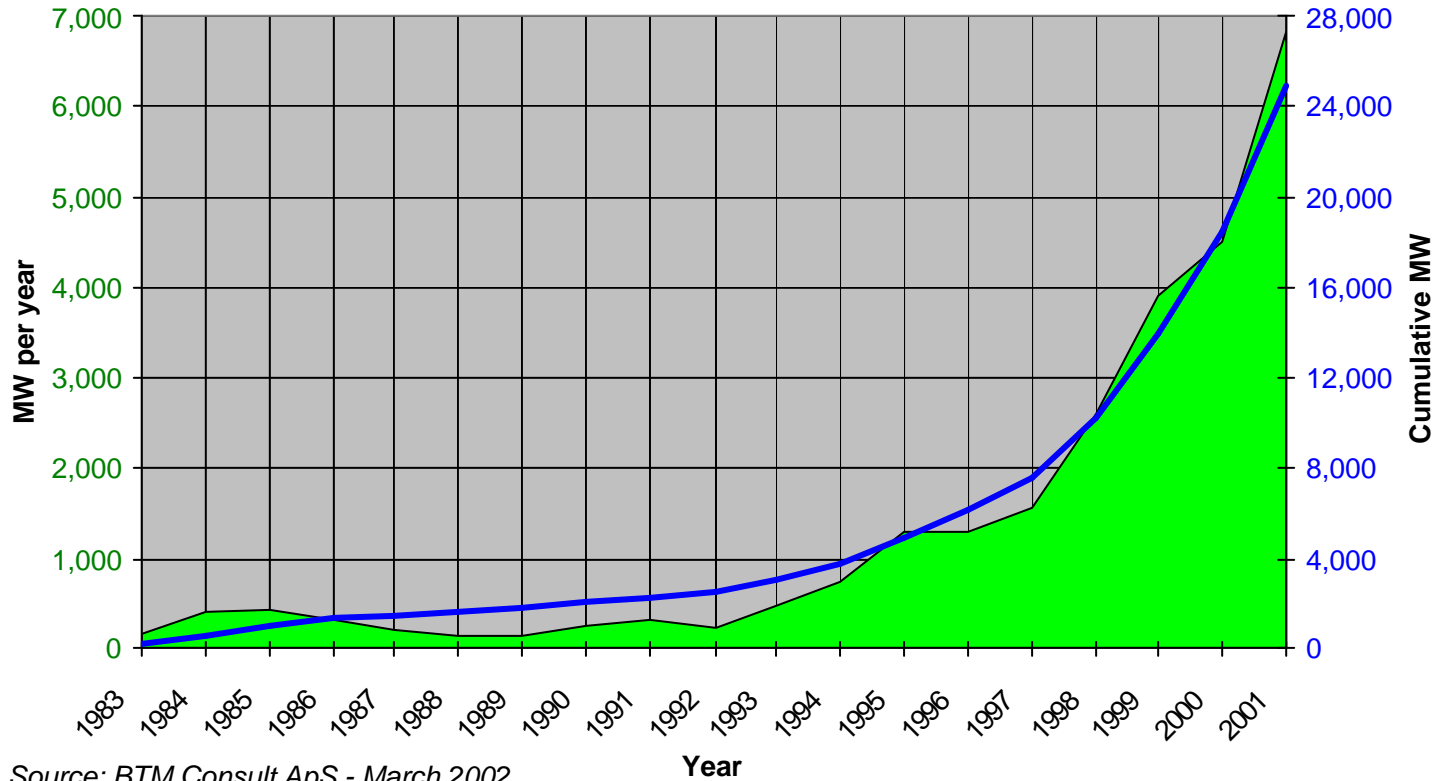
**'BWEA (British Wind Energy Association)
champions the sustainable growth of the wind
industry to maximise the environmental and
economic benefits to the UK'**

BWEA

- 278 Corporate Members (representing all grid connected supply in the UK)
- All sectors of the industry
- Government ↔ Industry interface
- Lobbying (Energy and planning policy)
- Coordination with other trade associations
- Best practice
- Information source

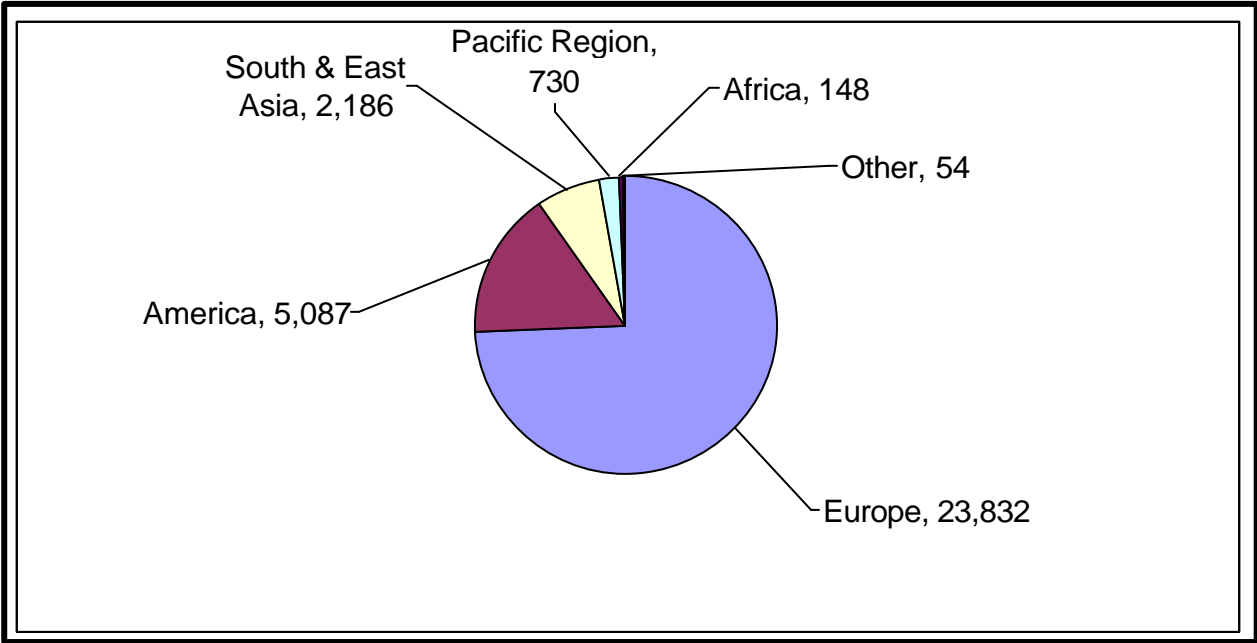
Installed Wind Power in the World

- Annual and Cumulative -



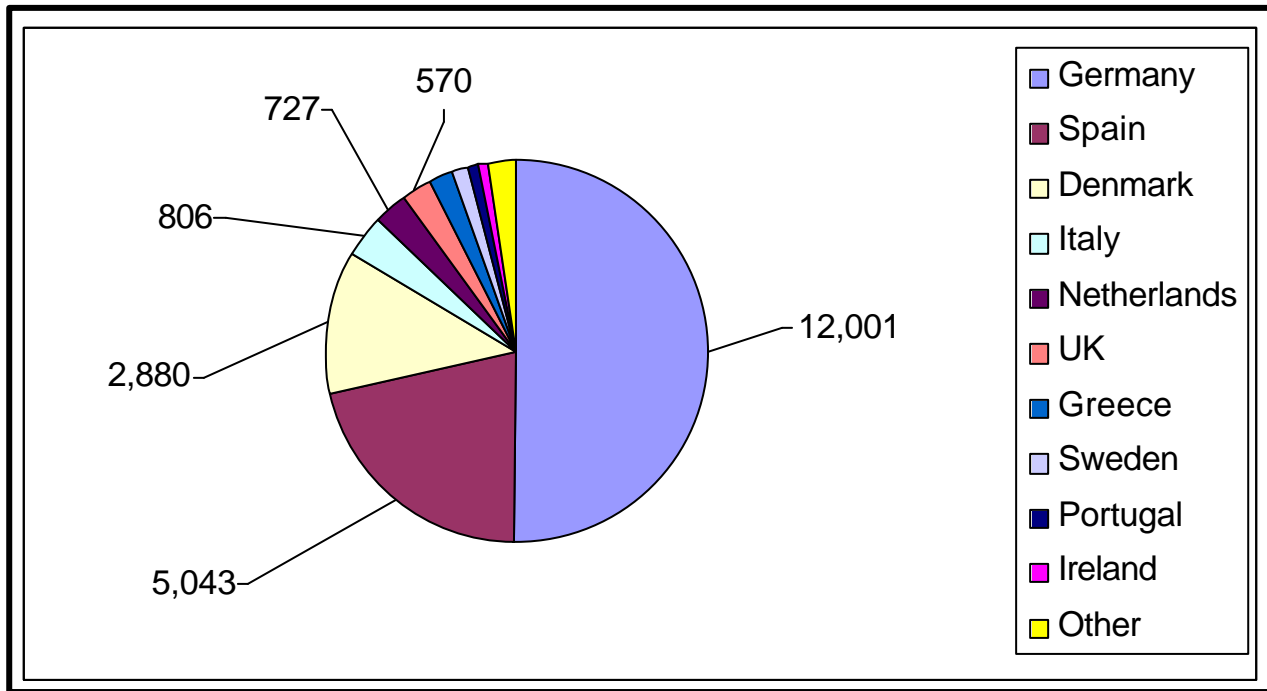
Source: BTM Consult ApS - March 2002

Global installed wind capacity end 2002 (total 32GW)



European installed capacity

end 2002 (total 24 GW)

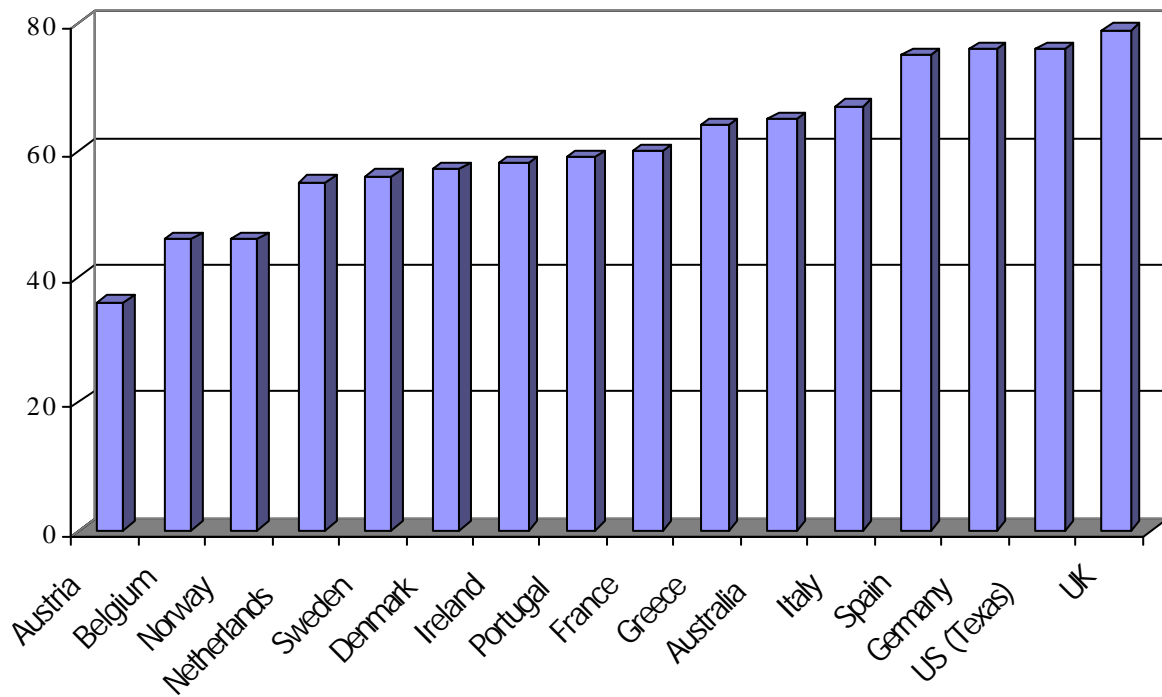


EWEA targets

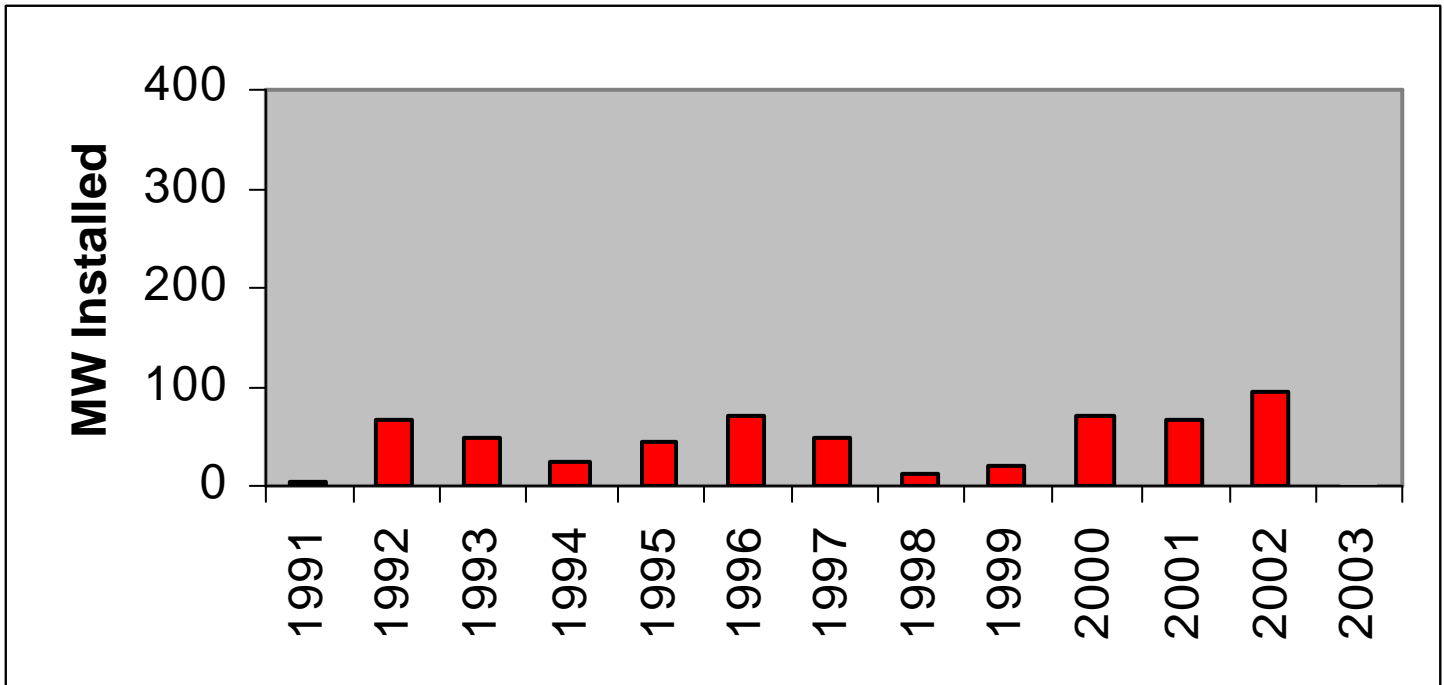
- Revised upwards four times
- Now stands at 75,000MW by 2010
with 10,000MW offshore
- And 180,000MW by 2020
with 70,000MW offshore

13% of Europe's electricity cf >1% today

Country Attractiveness Index



Installed MW to date UK - 2002



On & Offshore : Total April 2003 = 560MW

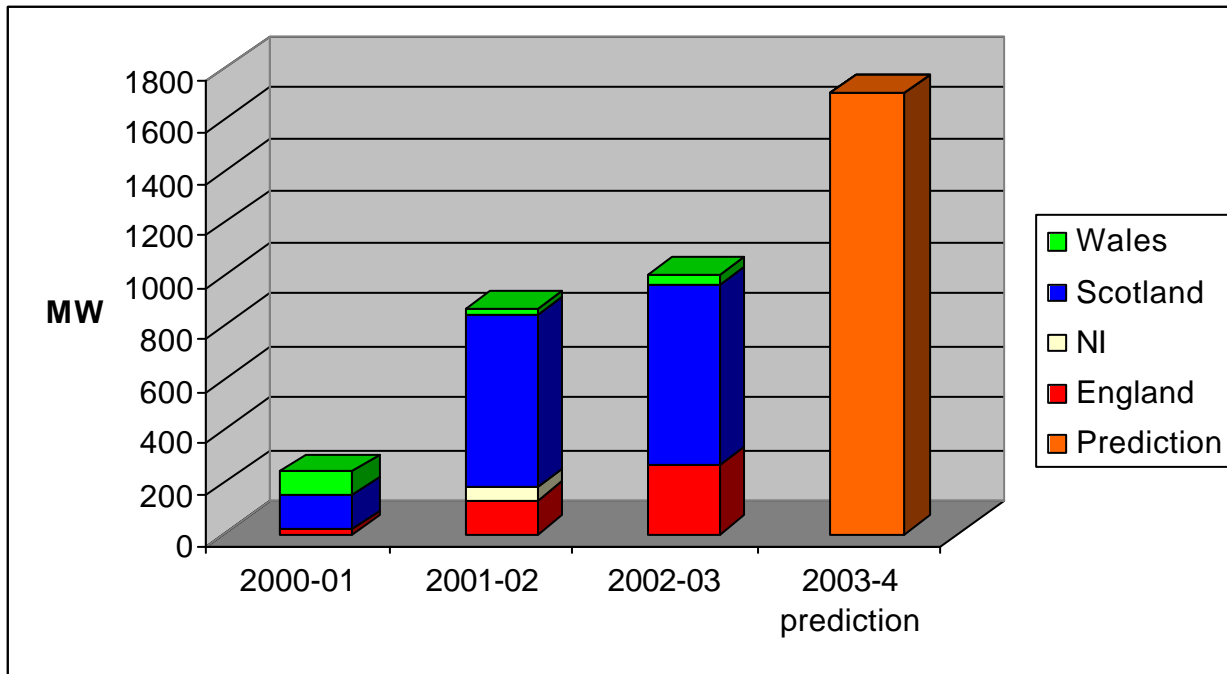
Wind today in the UK

- 586MW now installed – 1030 turbines
 - annual generation 1.54 TWh
 - 0.5% of UK electricity supply
 - Generating electricity for some 380,000 homes
 - 1.3 million tonnes of CO₂ saved per year

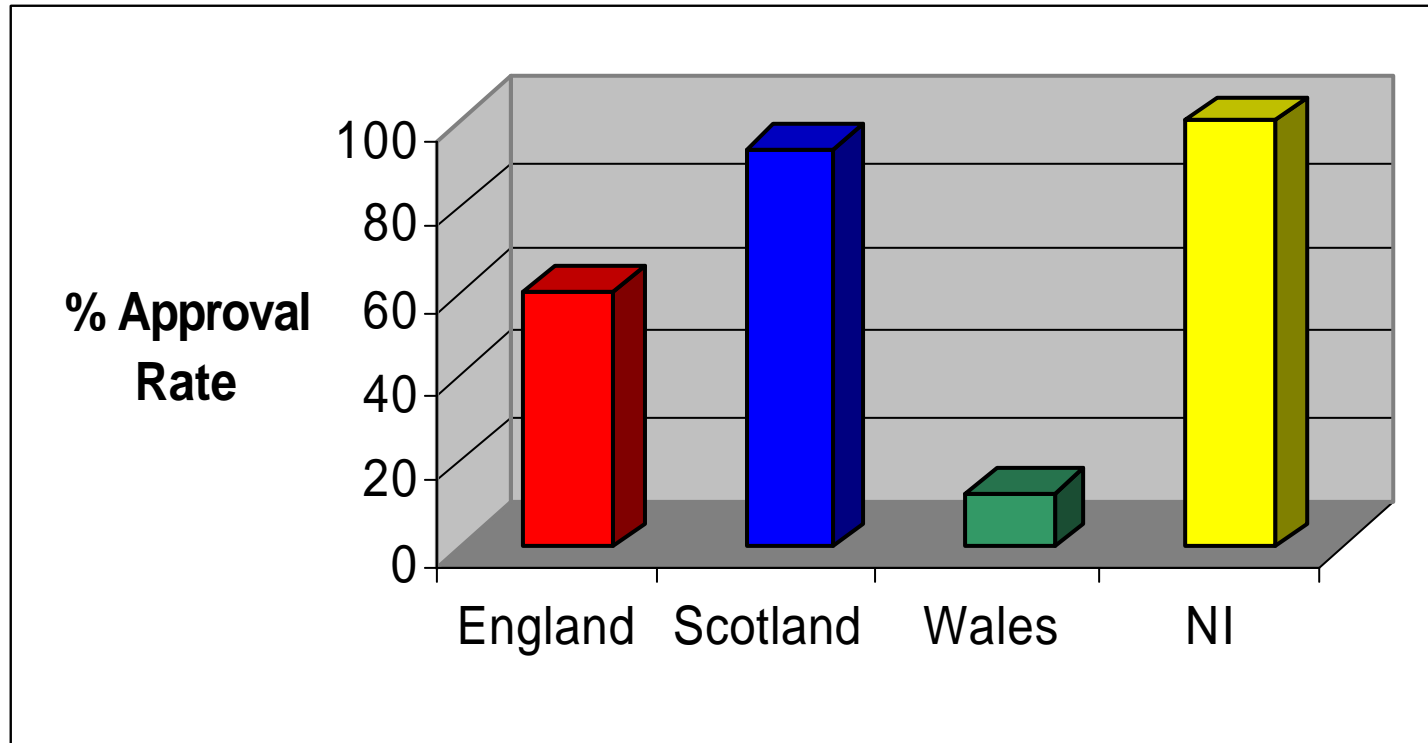
Renewable Obligation a driver for wind



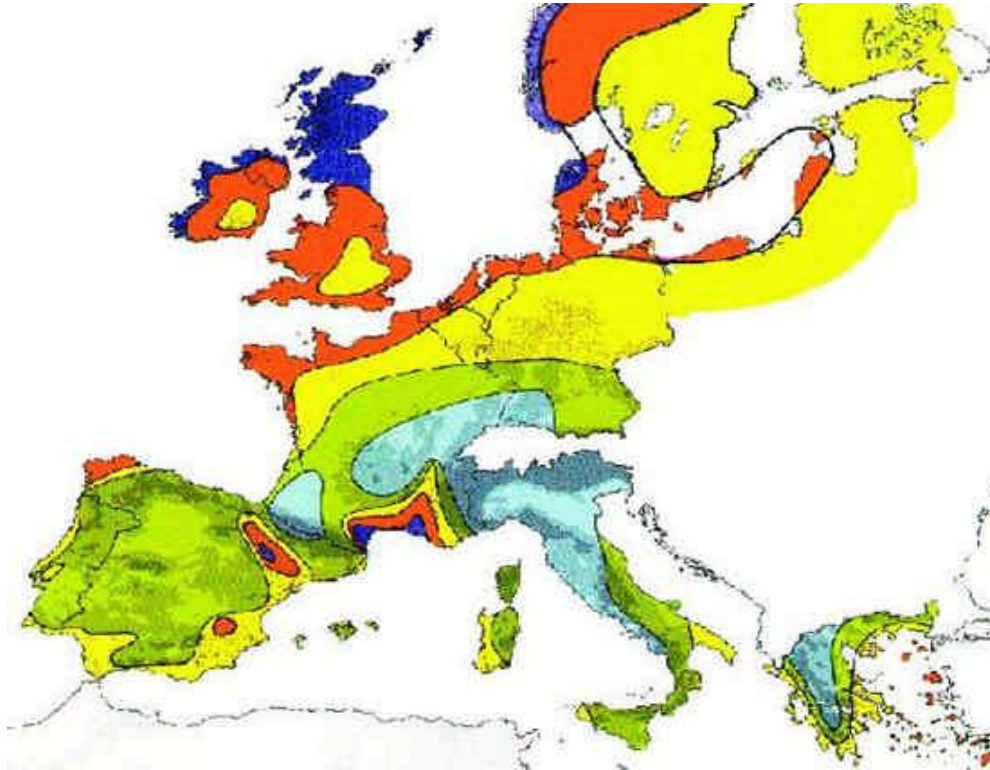
MW submitted to planning



Onshore Approval Rate - Local & Devolved Parliament

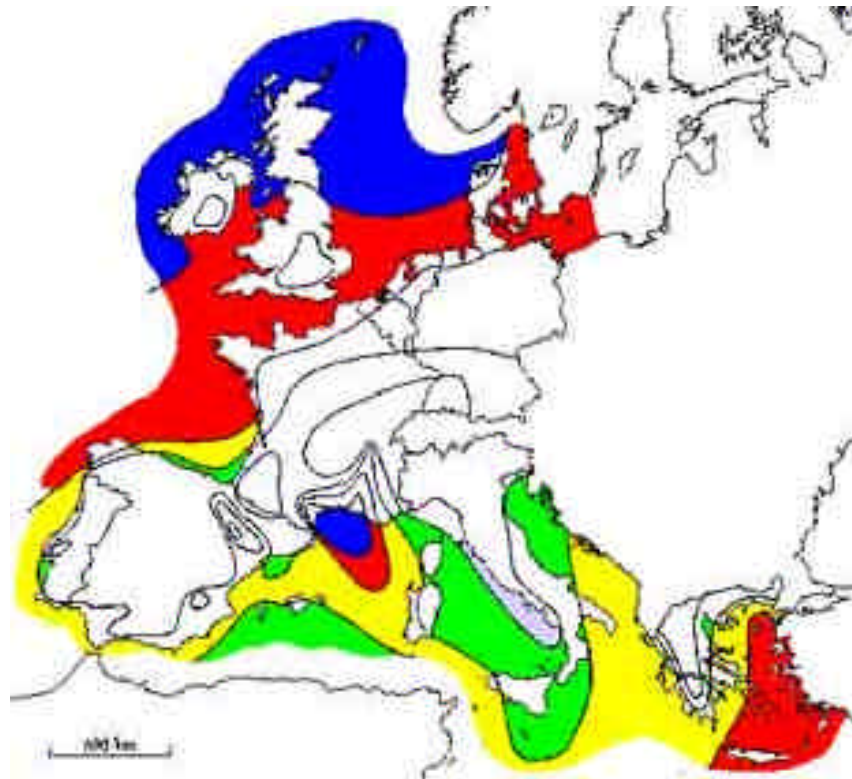


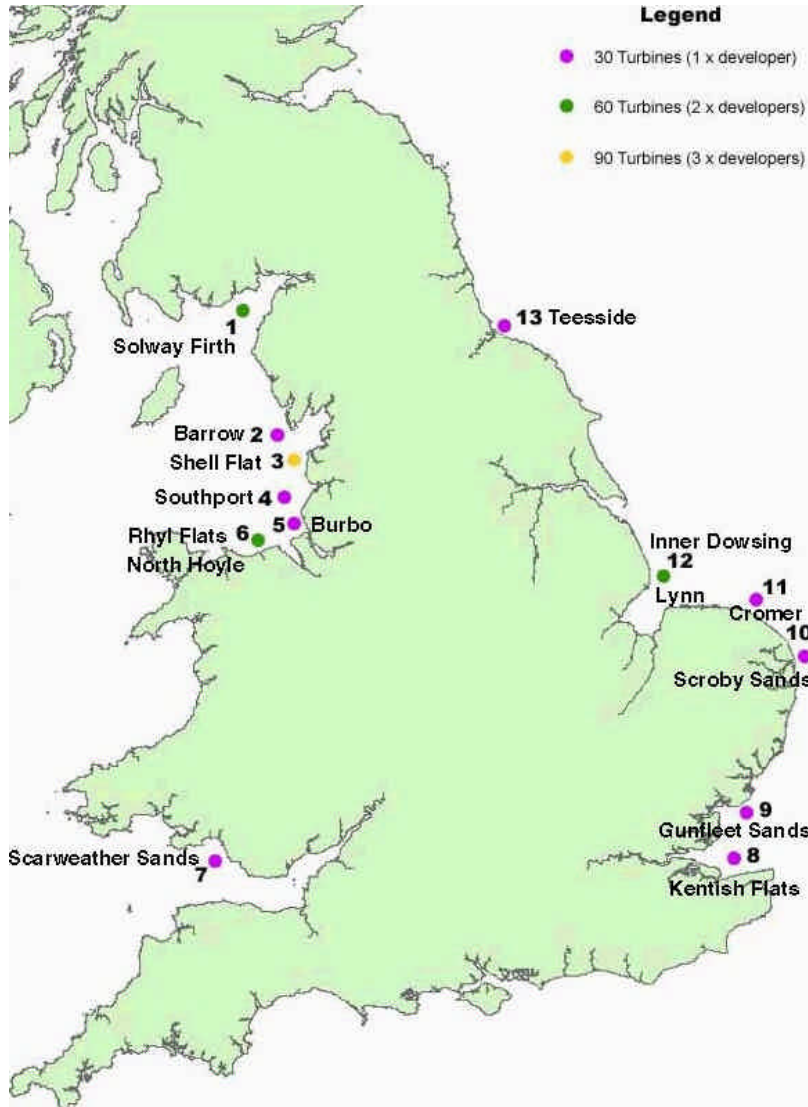
40% of European wind resource



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... and even more offshore





Round One

18 potential sites

30 turbines per site

2-4.2MW machines

1.4GW

ca.

**1% of total UK
electricity supply**

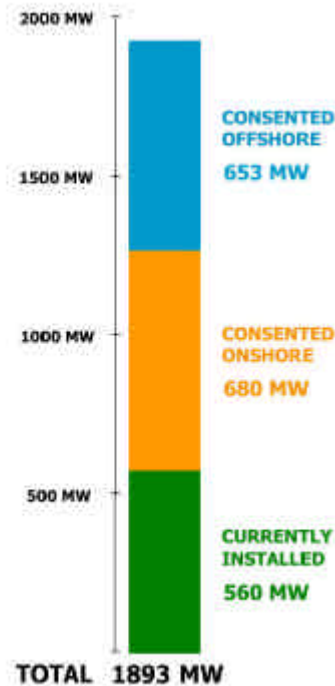
Round Two



Round Two

*powering 1 in 6
UK households
by 2010 ...*

The future: 2GW by end 2005

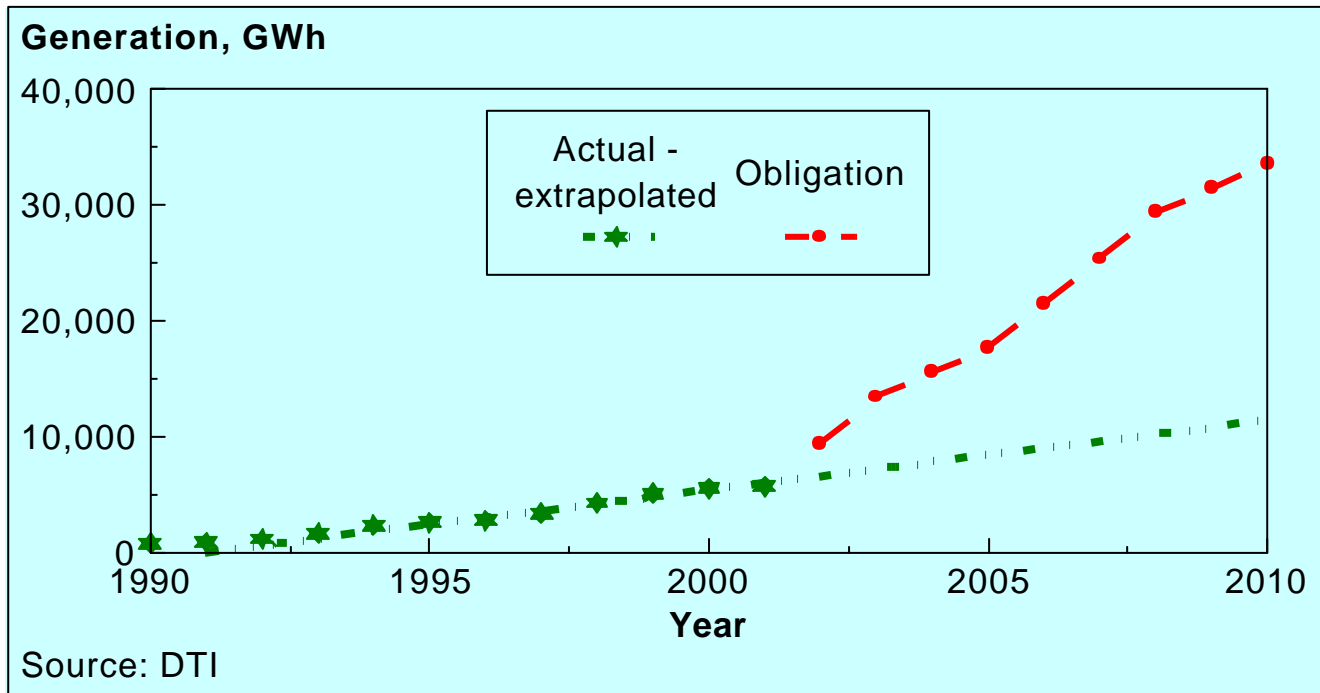


BTM prediction by 2007

- BTM prediction for 2007 is for 3.5GW
- 2.5GW onshore and 1GW offshore
- UK build rates of 900MW a year by 2007

Source: BTM World Market Update – 2003-2007

Government renewable targets



Source: David Millborrow, DM Energy

2010: How much?

Wind expected to meet most of Government's 2010 target



8% (8GW) of UK supply from wind alone by 2010



BWEA: championing the UK wind industry

Next showing at ...

