

Coastal Futures 2016

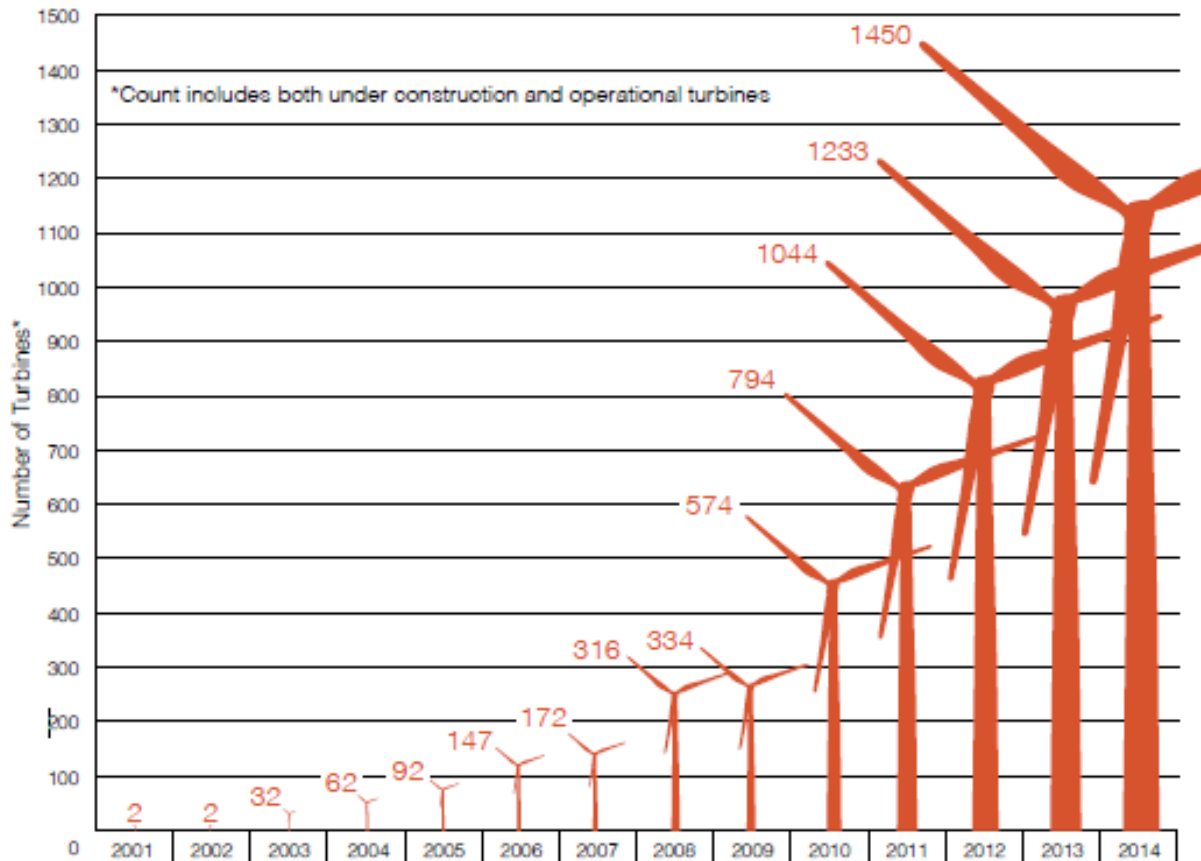
Marine renewable energy

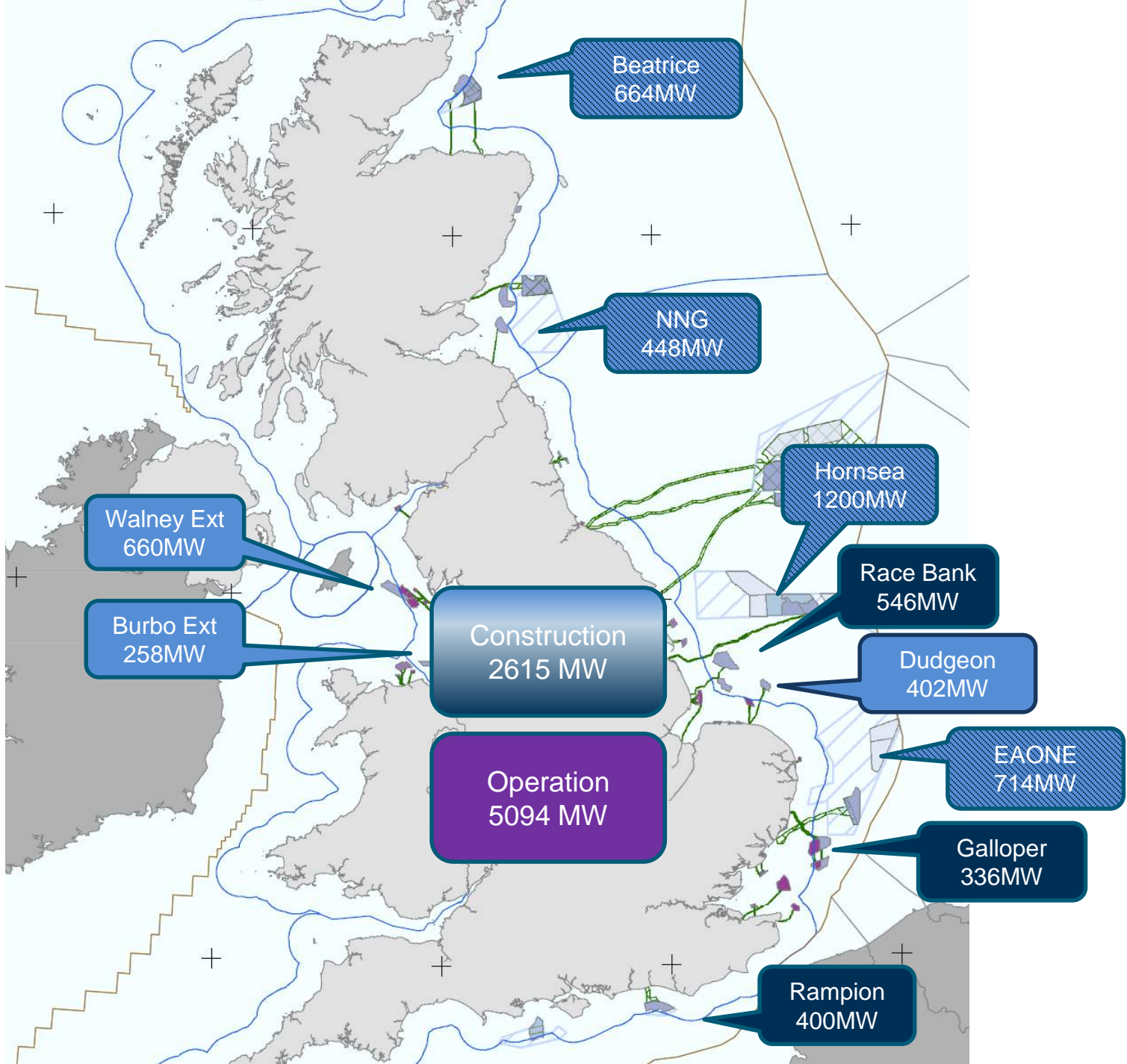
Adrian Fox

London, 20th January

Growth in offshore wind turbine numbers in UK waters

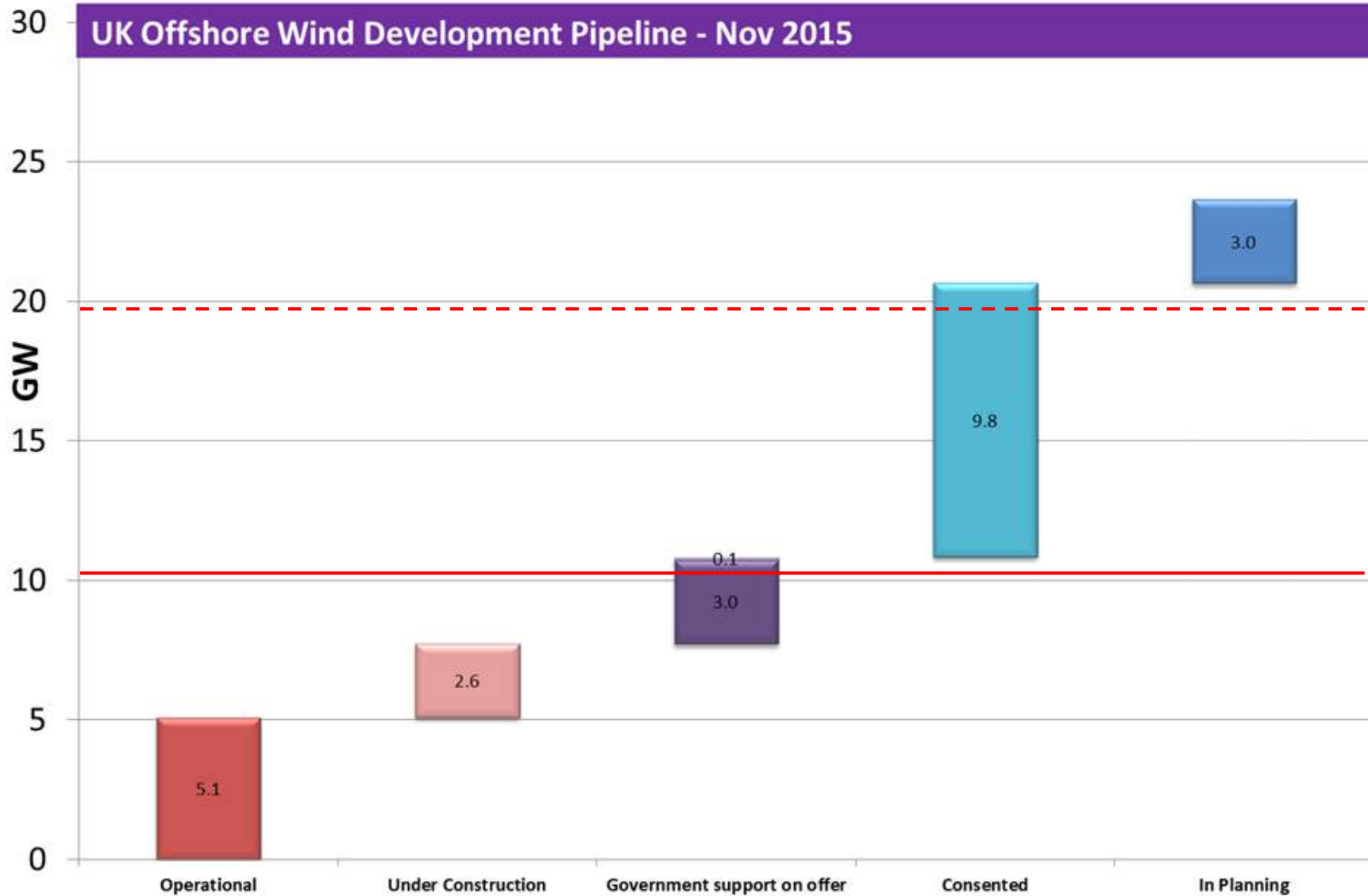
Number under construction and operational (Nov 2015): 1914





CfD
RO

UK Offshore Wind Development Pipeline - Nov 2015



Market aspects

- CfD and RO projects in place for 10GW by 2020
- Policy aspirations set for 20GW by 2030
 - “reset speech”, comprehensive spending review (Nov 2015)
 - “if costs come down”
 - three more CfD rounds
- Maturing sector (supply chain, financing, G9)
- Growth challenges remain
 - “mind the gap”
 - consents, operations, technology, system integration, cost, asset integrity, collaboration/knowledge sharing
- UK remaining a leading market

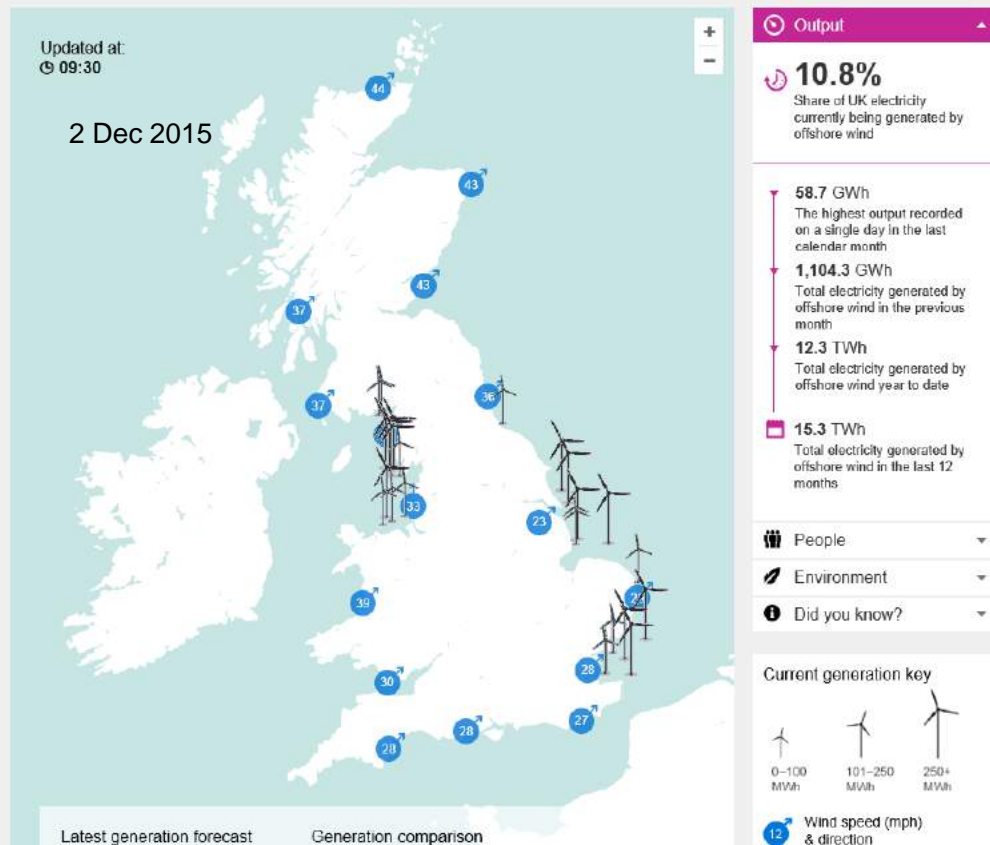
Societal impact

<http://www.thecrownestate.co.uk/media/501972/ei-understanding-the-impacts-of-offshore-wind-farms-on-well-being.pdf>

Offshore wind electricity map

The UK generates more electricity from offshore wind than any other country in the world. The sector is meeting around 5% of annual UK electricity requirements and this is expected to grow to 10% by 2020.

This page, refreshed hourly, shows the estimated total electricity being generated by offshore wind around the UK, as well as the individual contribution from each wind farm.



OW Operational Reports:
<http://www.thecrownestate.co.uk/media/5462/ei-offshore-wind-operational-report-2015.pdf>

Source: www.thecrownestate.co.uk

'Northern Seas as the Power House of North-Western Europe' Manifesto



“We believe that the progressive, large-scale, deployment of off-shore wind farms and emerging marine renewables, along with the completion of a meshed electricity grid, should be the backbone of Northern Seas regional cooperation. The development of stronger regional cooperation in the Northern Seas will help create local jobs and growth, reduce costs and ensure energy security, as well as EU technology leadership in off-shore wind and other emerging marine renewables,”

Twenty Members of European Parliament (MEPs) 15 Jan 2016