

Development of Ireland's Offshore Wind Energy Resource

**Paper by Paddy Teahon Codling Wind Park
to
NOW Conference
15 November 2011**



Development of Ireland's Offshore Wind Energy Resource

- Ireland's resource is substantial
- Garrad Hassan:

“There is an enormous offshore wind resource in the Irish EEZ even within 50m water depth”.



Development of Ireland's Offshore Wind Energy Resource

- There is a need for clear Irish government policy
- Answers to requirement for:
 - consenting for lease
 - grid connection
 - power purchase agreements



Development of Ireland's Offshore Wind Energy Resource

- Four predominant markets
 - UK, Denmark, Germany, Netherlands
- Key to their position is practical government support



Development of Ireland's Offshore Wind Energy Resource

- Two core issues for Irish government
 - Irish offshore refit
 - Export to UK and mainland Europe



Development of Ireland's Offshore Wind Energy Resource

- Irish Offshore Refit

- Irish Authorities and ESRI have taken the view that Offshore wind is expensive
- But no guarantee that onshore wind will deliver Ireland's 2020 target
- Therefore the 550 MWs should be provided for to save cost of penalties.



Development of Ireland's Offshore Wind Energy Resource

- Key steps for export
 - UK agrees to accept Irish offshore wind energy
 - Ireland agrees to allow Irish offshore wind farms connect to UK
 - UK agrees that Irish wind farms qualify for UK support
 - Governments agree a division of green benefits

