

Ireland's Ocean Energy Policies, Subsidies and Incentives

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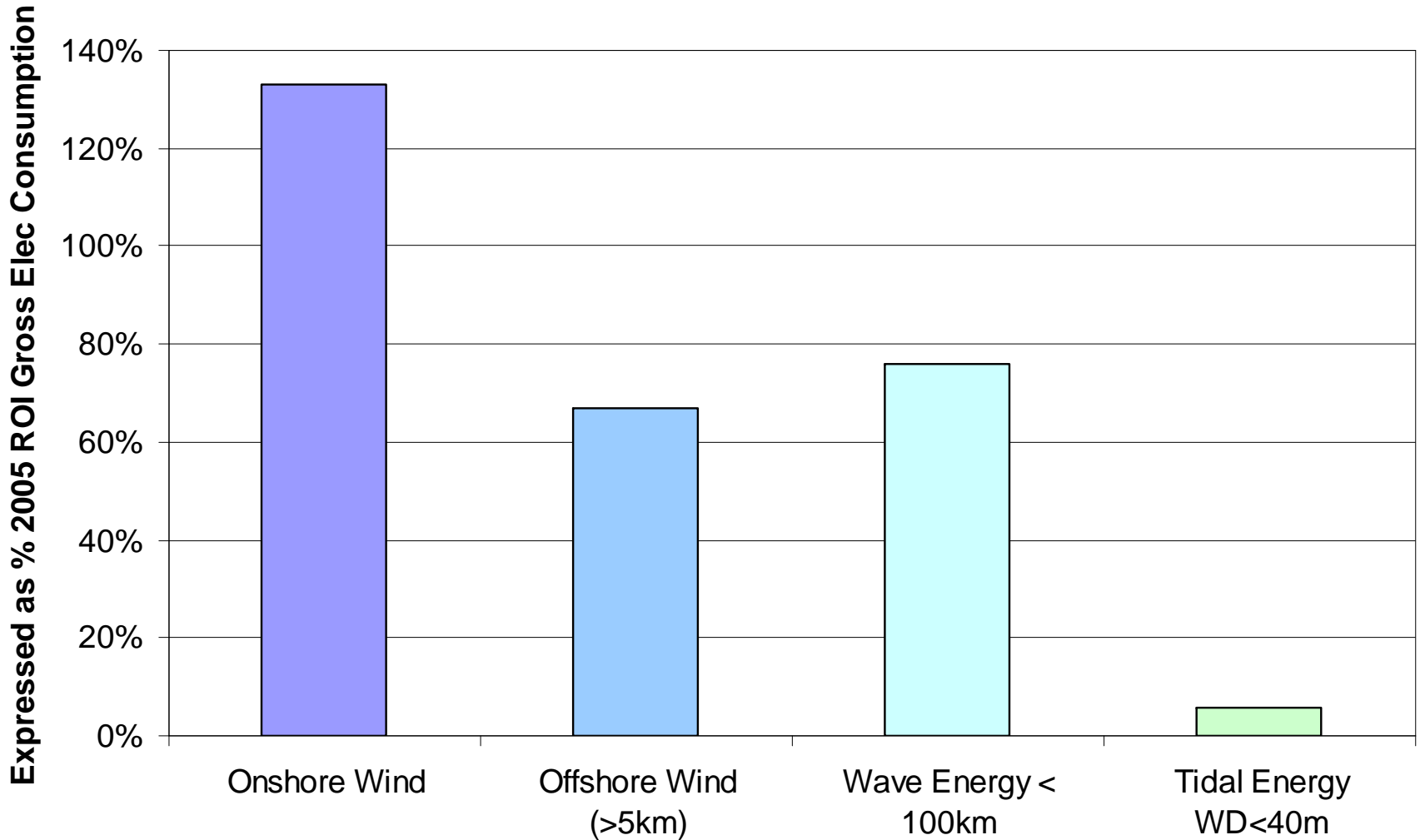
Global Marine Renewable Energy Conference

Thursday 17th April 2008

Main Policy Initiatives

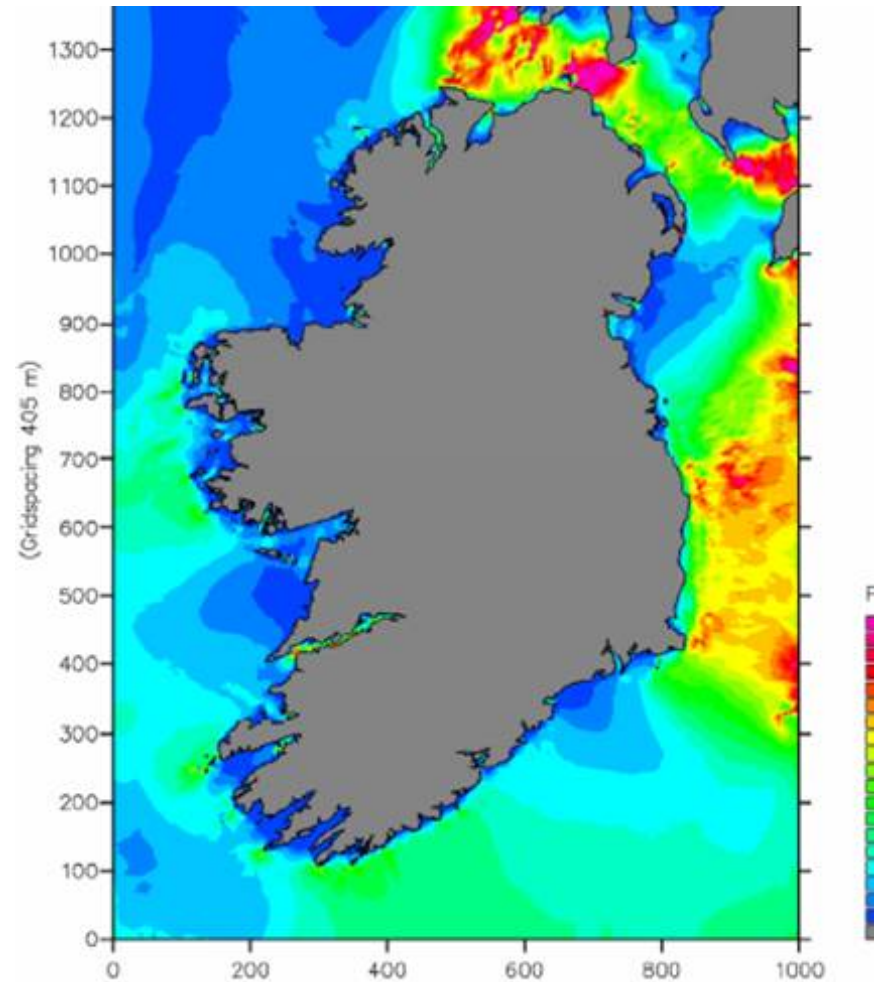
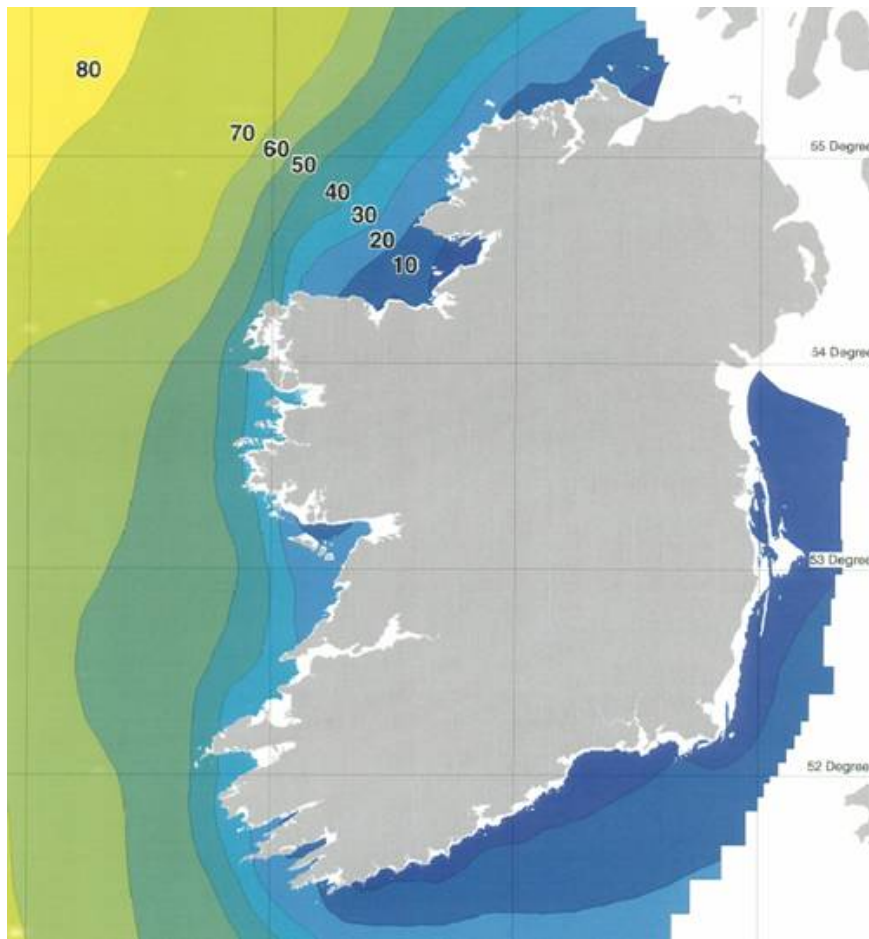
- Ocean Energy Strategy (April 2006)
- Energy White Paper (March 2007) = 500MW by 2006
- Programme for Government (June 2007) = 75MW by 2012
- Ocean Energy Initiative (Jan 2008) = 26mEuro

Accessible Intermittent Renewable Energy Resource ROI (% of 2005 ROI Gross Electricity Consumption (28TWh))



1) SEI "Renew able Energy Resources in Ireland for 2010 and 2020 - A Methodology", Nov 2004; 2) DETI, DPE, Interreg II "Assessment of Offshore Wind Energy Resource", Nov 2000; 3) SEI "Accessible Wave Energy Resource Atlas Ireland 2005", Dec 2005; 4) SEI "Tidal & Current Energy Resource in Ireland", Nov 2005

Wave and Tidal Resource



Ocean Energy Strategy 2006

- OE Strategy Launched April 2006
- 1:4 Scale Test Facility in Galway Bay (March 06)
 - Safety
 - Site access requirements
 - Performance/scalability
- 3 Large Scale Ocean Energy Prototypes under development
- Challenges – efficiency, reliability, cost



Phase 1 Prototype Development 2005- 2007

- Support for 1:4 scale demonstrations
- Support for Test Site
- Support for 3rd Level Research

Phase 2 Prototype Development 2008- 2010

- Full Scale Grid Connected Test Site
- Capital Grant Support for Developers
- 220euro per MWh Feed In Tariff
- 3rd Level Infrastructure

Phase 3 Pre-Commercial Arrays 2011 – 2015

Infrastructure Support for Large Scale Array

Feed In Tariff Price Support

Capital Grant Support

Phase 4 Commercial Deployment > 2016

Feed In Tariff Price Support

Ocean Energy Initiative 2008



- 26mEuro budget for accelerated programme Fund 2008 - 2010
- SEI Ocean Energy Development Unit to manage programme - currently being established
- Establishment of National Ocean Energy Facility in University College Cork ~ 8mEuro
- 220euro per MWh
- 2mEuro for development of Grid Connected Test Site off Belmullet, County Mayo (5 - 7MW connection?)
- 2mEuro Capital Grant Fund for R&D Prototype Development

Contact Details



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