

OFFSHORE WINDFARMS IN IRELAND

At end 2006:

Worldwide:	Offshore Windfarm Capacity Installed	900MW
Ireland:	Offshore Windfarm Capacity Approved (off Wicklow)	1620MW

WICKLOW

	Arklow Bank Wind Farm (520 MW)	Consented
Status	<ul style="list-style-type: none"> ▪ Foreshore licence for initial exploration granted in 2000. ▪ Foreshore Lease for construction and operation of wind farm granted by Frank Fahey TD Minister for the Marine (11/1/2002) to Sure Partners Limited, a wholly owned subsidiary of Airtricity Holdings Limited. ▪ Phase 1 (25.2 MW) operational June 2004.comprises 7 x 3.6 MW turbines. ▪ This initial phase is built, owned and operated by General Electric as a technology learning and demonstration platform for its new 3.6 MW turbine. 	
Turbines	Up to 200 turbines	
Turbine Height	Maximum height 150m (492 feet)	
Distance from shore	10 km (6 miles)	
Total area	68 km ²	
Consented project	Up to 200 turbines in double row stretching for 27 km along shallow sand bank off coast of Wicklow from Wicklow Head to Arklow	
Water depth	5 /25 m	
Lease	99 years	
Update	2008: Airtricity sold to Scottish and Southern Energy for £2.2 bn. Assets included foreshore lease for Arklow Bank project.	

	Codling Bank Wind Farm (1100 MW)	Consented
Status	<ul style="list-style-type: none"> ▪ Foreshore Licence for initial exploration granted April 2001. ▪ Foreshore lease for construction and operation of windfarm granted by Noel Dempsey, Minister for the Marine (15/11/2005) to Codling Wind Park Ltd jointly owned by Treasury Holdings and Fred. Olsen Renewables (Norway) 	
Turbines	220 x 5 MW	
Turbine Height	160m/524 ft	
Distance from shore	12 km at nearest point	
Total area	55km ²	
Consented project	220 turbines in three rows on shallow sandbank off Bray Head	
Water depth	9/16m	
Lease	99 years	
Update	<ul style="list-style-type: none"> ▪ Jan 2008: Treasury Holdings' wind energy unit Eco Wind Power was sold to Viridian Group plc a UK power company. Assets sold included the Foreshore Lease for the Codling Wind Park. ▪ March 2009: Treasury Holdings /Fred Olsen Renewables apply for a second foreshore lease on the Codling Bank for another 1000MW development (see below) 	

LOUTH

	Oriel Windfarm Ltd (330MW) Consultation closed
Status	<ul style="list-style-type: none"> ▪ Foreshore licence for initial exploration granted to Oriel Windfarm Ltd by Noel Dempsey TD, Minister for the Marine in October 2005. ▪ Application for foreshore lease for construction lodged Feb 2007. ▪ Currently under review by Department of the Environment, Heritage & Local Government (DoEHLG)
Turbines	The project will consist of 55 turbines " <i>of 4.5 MW to potentially upwards of 6 MW</i> ".
Turbine Height	Maximum height 160M (approx 480 feet)
Distance from shore	5km at nearest point (off Cooley Peninsula)
Total Area	28km ²
Proposed project	The turbines will be arranged in a hexagonal grid of 8 rows occupying an area of 28km ² in Dundalk Bay.
Water depth	15/30 m
Lease duration	-
Update	<ul style="list-style-type: none"> ▪ Government transferred responsibility for the licensing of Offshore Energy, from the Department of Communications, Energy and Natural Resources to DoEHLG. (Jan 2010)

GALWAY

	Sceirde Wind Farm (100MW) consultation closed
Status	Foreshore lease application lodged May 2008 by Fuinneamh Sceirde Teo
Turbines	20
Turbine Height	Up to 140m
Distance from shore	5km
Total Area	-
Proposed project	Development location: Galway Bay Outer
Water depth	-
Lease duration	-
Update	Project under review by DoEHLG

DUBLIN

	Kish Bank/Bray Bank Wind Farm (520 MW) Pre-consultation
Status	<ul style="list-style-type: none"> ▪ Foreshore licence for initial exploration was granted to the Kish Consortium in August 2000. ▪ The developers have for some years been co-operating with the Department of the Marine on the preparation of an Environmental Impact Statement.(EIS) ▪ June 2009 :A foreshore lease application together with an EIS was lodged with the Department by Saorgus Energy ▪ Name of project was changed to Dublin Array (2009) ▪ Two separate foreshore leases(for Kish & Bray Banks) are now under consideration by DoEHLG
Turbines	145
Turbine Height	Max height 160m
Distance from shore	10 km
Development location	S. Dublin Bay/ Wicklow off Bray Head
Proposed project	145 turbines arranged in rows four to five deep that run north-south along the banks
Water depth	-
Lease duration	-
Update	<ul style="list-style-type: none"> ▪ The project has secured 364 MW firm connection capacity from Eirgrid under Gate 3 of the group processing scheme administered by the Commission for Energy Regulation. ▪ The offer for connection of this capacity will issue in April 2011

WICKLOW

	Codling Bank 2 (1000 MW) Pre-consultation
Status	<ul style="list-style-type: none"> ▪ Developer: Codling Wind Park Ltd jointly owned by Treasury Holdings/Fred Olsen Renewables (Norway). ▪ Codling Wind Park 1 (details above) covered just 1/3 of the original Licence area held by these developers. In March 2010, they lodged an application for a foreshore lease for construction of a massive 1000MW extension to the original consented Codling Bank development
Turbines	200
Turbine Height	Max height 160m
Distance from shore	13km
Development location	N. Wicklow (off Bray Head and Greystones)
Water depth	11-18 m
Lease duration	-
Update	-