



## Investigative Foreshore Licence Application (Offshore Renewable Energy)

Please indicate project category as appropriate:

Wave:

Tidal:

Wind:

Other:

Please specify:

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## Part 1: Proposal Details (Attach additional documents as required)

### 1.1

#### **Provide background information on the project including reason and objectives of the site investigations, the site selection process and any proposals for future works at the site.**

innogy Renewables Ireland are applying for a Foreshore Licence to undertake surveys and data collection to provide supplementary environmental information to inform the Environmental Impact Assessment Report (EIAR), Natura Impact Statement (NIS) and preliminary design for a proposed wind farm array and ancillary infrastructure in the vicinity of the Kish and Bray Banks, approximately 10km off the coast of Dublin.

In the late 1990s the Kish and Bray banks were identified as an area of potential for offshore wind farm development due to good wind resource, bathymetry and geomorphology potentially suited to foundation installation, and proximity of the site to the energy demand centre of the Greater Dublin area. Studies were subsequently undertaken to further investigate the potential of the site. These studies included geophysical and geotechnical surveys, wind, wave and tidal current measurements, ecological surveys and desk-based studies to understand the environmental baseline and human activities and usage of the area.

Two Foreshore Lease applications were submitted for a proposed offshore windfarm on the Kish and Bray banks in 2006. Supplementary environmental information was provided in 2009 and 2012/13.

Further site investigations are now proposed to supplement the data available for the project design and to provide additional information concerning the prevailing baseline environmental conditions.

The principal objectives of the surveys are to:

- Obtain additional measurements of wind speed and direction;
- Provide further measurements of wave and current across the site;
- Produce up to date detailed bathymetric mapping;
- Provide further information concerning the nature of the seabed;
- Obtain supplementary detailed seabed morphology information;
- Acquire additional shallow and deep geological cross-sections of the array site;
- Determine the presence of any marine archaeological features in the area, i.e. identifying wrecks and anomalies of archaeological potential and sediment layers which may be of archaeological interest.

This licence application is solely for the purposes of the completion of the surveys.

<b>1.2</b>	<p><b>Possible MW output of final development:</b></p> <p>Circa 600 MW (subject to technical and environmental assessments)</p>
<b>1.3</b>	<p><b>Type of surveys proposed (e.g. geophysical, geotechnical, archaeological or benthic.</b></p> <p><b>i. Geophysical Survey</b></p> <p>The geophysical survey will comprise the following non-intrusive techniques:</p> <ul style="list-style-type: none"> <li>• Multibeam Echosounder;</li> <li>• Side Scan Sonar;</li> <li>• Shallow Reflection Seismic (Sub-bottom Profiling); and</li> <li>• Marine Magnetometer.</li> </ul> <p><b>ii. Geotechnical Survey</b></p> <p>Geotechnical survey techniques include:</p> <ul style="list-style-type: none"> <li>• Vibrocoreing;</li> <li>• Cone penetration tests (CPT); and</li> <li>• Boreholes.</li> </ul> <p>The exact location will be determined following interpretation of the geophysical data but will not exceed:</p> <ul style="list-style-type: none"> <li>• 48 vibrocores, approximately 150 mm diameter and penetration depth of up to 6 m.</li> <li>• 15 CPTs in intertidal areas approximately 4 cm diameter and depth of up to 15 m</li> <li>• Three boreholes on the shorelines, approximately 10 cm diameter and depth of up to 20 m.</li> </ul> <p><b>iii. Ecological Survey</b></p> <ul style="list-style-type: none"> <li>• Drop down video</li> <li>• Grab sampling (benthic)</li> </ul> <p>The exact sampling locations will be determined following interpretation of the geophysical data but will not exceed 30 locations</p> <p><b>iv. Wind Resource and Metocean Survey</b></p> <p>Up to two buoy mounted Floating Lidar (FLiDAR) Units and up to two wave rider buoys incorporating wave and current measurement devices.</p>

<p><b>1.4</b></p>	<p><b>Survey methodologies and equipment to be used for each survey type proposed:</b></p> <p>Contracts for the survey work and supply of metocean equipment have not yet been awarded. Details of survey and deployment/maintenance and recovery methodologies and typical equipment have been provided in Section 7 and Annex C of the Planning Report which is contained with the Supporting Information submitted with this application.</p>
<p><b>1.5</b></p>	<p><b>Describe the nature and scale of any structure to be erected on the foreshore for testing the suitability of the site. Is the structure proposed to be temporary or permanent?</b></p> <p>Up to four buoys will be moored in the Foreshore area for a period of up to five years and will carry FLiDAR units and wave and current measurement devices. Prior to being moved to their long-term deployment location the FLiDAR units will be temporarily deployed for a period of up to six months for calibration purposes. Indicative deployment and calibration locations are shown on Foreshore Licence Map 1, Annex B to the Planning Report. Details of typical equipment are also provided in the Planning Report.</p> <p>Boreholes are proposed to be taken at each of three landfall locations, shown in Foreshore Licence Maps 4, 5 and 6, Annex B. The borehole locations may be wholly or in part below Mean High Water (MHW). The location will be determined following review of bathymetric and topographic data and appointment of the contractor.</p>
<p><b>1.6</b></p>	<p><b>Provide information on proposed mooring, marking and lighting arrangements for any proposed deployment of instrument arrays.</b></p> <p>Details of typical mooring arrangements for the proposed FLiDAR and Wave Rider buoys are provided in the supporting Planning Report. Marking, lighting and other navigational safety requirements will be agreed with the Commissioners for Irish Lights and Department of Transport, Tourism and Support, Marine Survey Office prior to deployment and will be compliant with International Association of Aids to Navigation (IALA) requirements. Navigational safety features will include:</p> <ul style="list-style-type: none"> <li>• Unit colour – RAL 1023 Yellow;</li> <li>• Radar reflector;</li> <li>• Marine lantern;</li> <li>• Redundant GPS Location;</li> <li>• Drift alarm; and</li> <li>• Automated Identification System (AIS)</li> </ul>

<p><b>1.7</b></p>	<p><b>Has the applicant held or does the applicant hold any previous Foreshore Licences, Leases or applications over the area sought or over any other area? (Give details including Department’s file reference number(s)).</b></p> <p>innogy Renewables Ireland Limited has not held any previous Foreshore Licences or Leases.</p> <p>innogy Renewables Ireland are the development lead for two Foreshore Lease Applications which are located wholly within the proposed survey area. These are:</p> <ul style="list-style-type: none"> <li>i. Bray Offshore Wind Ltd, application to occupy the Bray Bank for the purpose of constructing an offshore wind farm (FS006463), and</li> <li>ii. Kish Offshore Wind Ltd, application to occupy the Kish Bank for the purpose of constructing an offshore wind farm (FS006462)</li> </ul> <p>As part of the technical assessments completed to inform the original design and Foreshore Lease applications, the Kish Consortium were awarded Foreshore Licences in August 2000, as follows:</p> <ul style="list-style-type: none"> <li>i. Geophysical and geotechnical investigations on the Bray Bank (KIS53_7A)</li> <li>ii. Geophysical and geotechnical investigations on the Kish Bank (KIS53_7)</li> </ul>
<p><b>1.8</b></p>	<p><b>Indicative timing of the investigation works: (i) Start date (ii) Duration (iii) Any other information relevant to timing.</b></p> <p>The following dates are dependent upon date of Licence award.</p> <ul style="list-style-type: none"> <li><b>i. Geophysical Survey</b></li> </ul> <p>Start date – late July 2020</p> <p>Duration – approximately 4 weeks</p> <ul style="list-style-type: none"> <li><b>ii. Marine Geotechnical &amp; Benthic Survey</b></li> </ul> <p>Start date – September 2020</p> <p>Duration – approximately 4 – 8 weeks</p> <ul style="list-style-type: none"> <li><b>iii. Intertidal geotechnical &amp; Benthic Survey</b></li> </ul> <p>Start date – August 2020</p> <p>Duration – approximately 1 – 2 weeks at each location</p>

	<p><b>iv. Metocean Equipment</b></p> <p><b><i>Calibration of FLiDARs</i></b></p> <p>Start date- July 2020</p> <p>Duration – 6 months</p> <p><b><i>Long term deployment of FLiDAR and Wave Rider Buoys</i></b></p> <p>Start date – July 2020</p> <p>Duration – up to 5 years</p>
<p><b>1.9</b></p>	<p><b>Describe any likely interactions with activities of the public or other foreshore users during the investigative works (e.g. fishing, aquaculture, sailing, and surfing). Describe any measures proposed to minimise inconvenience to other users.</b></p> <p>The foreshore within which the surveys are proposed is used by commercial shipping operators, fishing industry, targeting mainly shellfish species, and a range of recreational users, including a number of Yacht Clubs located in Dun Laoghaire and Poolbeg Marina. Other marine leisure clubs and groups active in the area include rowing clubs, sea scouts groups, sea angling, swimming, kayaking, diving and sub aqua clubs. The beach areas are also used for recreational activities.</p> <p>The design of the survey scopes will aim to minimise and avoid where possible inconvenience with other users of the foreshore area through design and adoption of best practice.</p> <p>For safety and security public access to areas of the beach will be restricted during works in the intertidal area at each of the landfalls. It is likely that the works close to MHW to take a borehole sample will be undertaken separately to the CPT and benthic sampling, thus minimising the area affected. Appropriate barriers and signage will be in place to inform the public of the activities and restrictions. The duration of access restrictions will be minimised and works at each landfall will not be carried out simultaneously. The beach will be left in pre-survey condition after each activity.</p> <p>The majority of marine traffic passes to the north of the Kish Bank. There are regular movements of bulk cargo vessels within the proposed survey area inshore of the banks. Fishing and recreational vessels are also active in the area. Liaison will be established with the operators of relevant ports, marinas and yacht clubs in advance of the survey. The following measures will be implemented:</p> <ul style="list-style-type: none"> <li>• Publication of Notices to Mariners;</li> <li>• Restriction of survey vessel speed;</li> </ul>

	<ul style="list-style-type: none"> <li>• Survey vessels will display internationally recognised warning signals;</li> <li>• Vessels will comply with all international Regulations for Preventing Collisions at Sea;</li> </ul> <p>Early engagement with the fishing industry has been undertaken and will be maintained through a Fisheries Liaison Working Group which is currently being established and on-going communication with industry groups and individual operators.</p> <p>Further details regarding measures which will be implemented to reduce inconvenience to other users of the foreshore are provided in the Supporting Information, Planning Report Sections 13 -15.</p>
<p><b>1.10</b></p>	<p><b>Describe any consultations undertaken to date with other foreshore users.</b></p> <p>The scope of the works associated with this licence application has been discussed at meetings with DTTAS Marine Survey Office (24 April 2019) and Dublin Port (17 July 2019).</p> <p>On-going engagement with affected stakeholders, such as fishing and navigational stakeholders, will be maintained throughout the planning and completion phases of the works.</p>
<p><b>1.11</b></p>	<p><b>Describe any consultations undertaken to date with other consent authorities e.g. planning authority, Commission for Energy Regulation etc.</b></p> <p>At this stage no consultation has been undertaken with other consenting authorities specifically in relation to the scope of this Foreshore Licence application.</p>
<p><b>1.12</b></p>	<p><b>Describe briefly any consultations undertaken with relevant authorities (e.g. county council, port/harbour authority etc) or State Agencies e.g. National Parks &amp; Wildlife Service (NPWS), National Monuments Service (NMS) of Department of Arts, Heritage and the Gaeltacht:</b></p> <p>The scope of the works associated with this licence application has been discussed at meetings with DTTAS Marine Survey Office (24 April 2019) National Monuments Service and NPWS (09 May 2019) and Dublin Port (17 July 2019). Further details are provided in the Supporting Information, Planning Report Section 14.</p>



<b>1.13</b>	<b>Describe briefly any support received or under application with the Sustainable Energy Authority of Ireland (SEAI) or other State Agency:</b>  Not applicable
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**Part 2: Proposed Site. (Attach additional documents as required)**

**2.1 Delineate the proposed site in red on a latest edition map at a scale of 1:10 000 or larger scale if more appropriate and available, indicating:**

(i) the entire area;

(ii) the hectareage involved below the line of high water of medium tides clearly marked in RED and

(iii) the area of foreshore involved in metric measurements (i.e. hectares, metres squared or square kilometres etc).

*Presented in Annex B of the Supporting Information.*

**2.2 Geographic co-ordinates of the area under application, where the area can also be identified on the Ordnance Survey map, specify Ordnance Survey co-ordinates also.**

	ITM Coordinates		Geographic Coordinates	
ID	Easting	Northing	Longitude	Latitude
1	722418.435	733898.571	6° 9.69920' W	53° 20.46834' N
2	722534.026	733889.962	6° 9.59530' W	53° 20.46210' N
3	722553.471	733894.766	6° 9.57768' W	53° 20.46442' N
4	722575.293	733898.788	6° 9.55794' W	53° 20.46628' N
5	724554.061	733891.221	6° 7.77625' W	53° 20.43449' N
6	725917.983	733756.328	6° 6.55130' W	53° 20.34243' N
7	732240.567	730654.718	6° 0.93608' W	53° 18.57849' N
8	736101.22	731117.27	5° 57.45060' W	53° 18.76910' N
9	740431.909	731243.327	5° 53.55062' W	53° 18.76923' N
10	741474.551	731244.816	5° 52.61246' W	53° 18.75339' N
11	741730.488	723339.562	5° 52.59356' W	53° 14.48954' N
12	742839.965	723331.187	5° 51.59720' W	53° 14.46719' N
13	743155.488	712668.819	5° 51.60033' W	53° 8.71666' N
14	742093.965	712662.445	5° 52.55188' W	53° 8.73026' N
15	737749.595	712535.197	5° 56.44896' W	53° 8.73011' N
16	737683.896	714817.892	5° 56.44897' W	53° 9.96123' N
17	727138.155	718532.864	6° 5.81765' W	53° 12.12064' N
18	726904.94	719069.472	6° 6.01419' W	53° 12.41318' N
19	726881.995	719142.357	6° 6.03304' W	53° 12.45279' N
20	726796.002	719320.041	6° 6.10600' W	53° 12.54978' N
21	726724.06	719497.375	6° 6.16636' W	53° 12.64638' N
22	726665.037	719755.674	6° 6.21320' W	53° 12.78643' N
23	726596.356	720178.788	6° 6.26479' W	53° 13.01544' N
24	726525.288	720482.28	6° 6.32138' W	53° 13.18001' N
25	726483.006	720666.769	6° 6.35496' W	53° 13.28004' N
26	726441.112	720923.656	6° 6.38647' W	53° 13.41909' N

27	726389.617	721162.164	6° 6.42705' W	53° 13.54836' N
28	726332.944	721424.678	6° 6.47170' W	53° 13.69065' N
29	726323.168	721601.924	6° 6.47627' W	53° 13.78631' N
30	726320.488	721650.518	6° 6.47752' W	53° 13.81254' N
31	726293.041	721857.202	6° 6.49726' W	53° 13.92432' N
32	726162.768	722168.434	6° 6.60688' W	53° 14.09391' N
33	726097.479	722505.498	6° 6.65753' W	53° 14.27649' N
34	726032.61	722795.854	6° 6.70891' W	53° 14.43390' N
35	726007.228	723084.361	6° 6.72487' W	53° 14.58974' N
36	725990.211	723228.922	6° 6.73673' W	53° 14.66789' N
37	725964.373	723409.825	6° 6.75565' W	53° 14.76576' N
38	725965.43	723610.027	6° 6.74995' W	53° 14.87364' N
39	725971.179	723660.389	6° 6.74359' W	53° 14.90070' N
40	726002.229	723752.668	6° 6.71350' W	53° 14.94999' N
41	726002.008	723800.092	6° 6.71258' W	53° 14.97555' N
42	726000.047	723865.868	6° 6.71278' W	53° 15.01102' N
43	725992.148	723934.407	6° 6.71825' W	53° 15.04807' N
44	733068.418	725961.003	6° 0.30914' W	53° 16.03665' N
45	728264.033	728230.826	6° 4.57288' W	53° 17.33086' N
46	727985.289	728359.043	6° 4.82047' W	53° 17.40400' N
47	727772.278	728457.881	6° 5.00967' W	53° 17.46035' N
48	727304.506	728721.896	6° 5.42404' W	53° 17.60938' N
49	722905.755	731207.082	6° 9.32297' W	53° 19.01102' N
50	722752.123	731328.427	6° 9.45842' W	53° 19.07856' N
51	722647.446	731464.181	6° 9.54948' W	53° 19.15317' N
52	722547.402	731698.306	6° 9.63410' W	53° 19.28074' N
53	722538.327	731724.888	6° 9.64165' W	53° 19.29519' N
54	720678.45	732480.983	6° 11.29847' W	53° 19.72831' N
55	720523.965	732555.64	6° 11.43585' W	53° 19.77066' N
56	720350.731	732655.918	6° 11.58952' W	53° 19.82707' N
57	720245.744	732743.461	6° 11.68205' W	53° 19.87568' N
58	720174.748	732825.429	6° 11.74410' W	53° 19.92082' N
59	720063.877	733008.944	6° 11.83975' W	53° 20.02124' N
60	720030.85	733086.34	6° 11.86773' W	53° 20.06340' N
61	719999.473	733202.346	6° 11.89334' W	53° 20.12635' N
62	720250.137	733169.747	6° 11.66839' W	53° 20.10536' N
63	720324.757	733403.033	6° 11.59588' W	53° 20.23008' N
64	720412.82	733438.326	6° 11.51578' W	53° 20.24790' N
65	720664.461	733451.996	6° 11.28888' W	53° 20.25183' N
66	720771.554	733457.817	6° 11.19232' W	53° 20.25350' N
67	721039.146	733472.374	6° 10.95103' W	53° 20.25768' N
68	721060.452	733584.301	6° 10.92928' W	53° 20.31771' N
69	721086.381	733627.099	6° 10.90495' W	53° 20.34042' N
70	721197.106	733631.701	6° 10.80514' W	53° 20.34138' N
71	721226.652	733671.085	6° 10.77763' W	53° 20.36220' N
72	721222.299	733728.142	6° 10.78024' W	53° 20.39301' N
73	721237.895	733782.868	6° 10.76494' W	53° 20.42229' N

	74	721278.65	733804.614	6° 10.72774' W	53° 20.43345' N
	75	721317.142	733792.348	6° 10.69336' W	53° 20.42631' N
	76	721435.402	733840.901	6° 10.58575' W	53° 20.45085' N
	77	722418.435	733898.571	6° 9.69920' W	53° 20.46834' N
<b>2.3</b>	<b>Delineate proposed site on relevant Admiralty Chart.</b>				
	<i>See Foreshore Licence Map 1, Annex B, Planning Report.</i>				
<b>2.4</b>	<b>Relevant Local Authority:</b>				
	Dublin City Council, Dun Laoghaire -Rathdown County Council and Wicklow County Council				
<b>2.5</b>	<b>Location name and nearest townland name:</b>				
	The proposed survey area touches the coast within the townlands of Bray, Shanganagh, Killiney, Irishtown, Sandymount and the Poolbeg peninsula.				
<b>2.6</b>	<b>Distance from nearest other developments, including any offshore renewable energy developments on the foreshore:</b>				
	<b>The proposed survey area also includes the entirety of the Foreshore Lease application areas associated with;</b>				
	i. Bray Offshore Wind Ltd, application to occupy the Bray Bank for the purpose of constructing an offshore wind farm (FS006463), and				
	ii. Kish Offshore Wind Ltd, application to occupy the Kish Bank for the purpose of constructing an offshore wind farm (FS006462)				
	The proposed survey area is located approximately 22 km from the proposed survey area associated with the Foreshore Licence application at Braymore Point (application reference FS006973).				
	The proposed survey area is located approximately 0.5 km from the development location associated with the Foreshore Lease and Foreshore Licence application at Codling Banks, County Wicklow (application references FS006460 and FS006241 respectively).				
	The nearest non-offshore renewable energy development is Dublin Port Company Alexander Basin redevelopment (FS005699) and associated maintenance dredge (FS006980) located approximately 100m and 300m respectively from the proposed survey area.				
<b>2.7</b>	<b>Distance from shore:</b>				
	<i>The proposed Licence area meets the shore as shown in Foreshore Licence Maps 1, 4, 5 and 6 Annex B to the Planning Report.</i>				

<b>2.8</b>	<p><b>Distance from nearest aquaculture operation:</b></p> <p>There are no aquaculture sites within or adjacent to the proposed surveys area. The closest aquaculture site is location at Carlingford Lough a distance of 83 km from the proposed survey area. There is also a Foreshore and Aquaculture Licence application (ref:T32/27) lodged for the establishment of a mussel seed farm off Arklow Head, approx. 45km south of the Bray Bank.</p> <p>Please refer to Section 13 of the Planning Report included with the Supporting Information.</p>
<b>2.9</b>	<p><b>Distance from any other sensitive location e.g. fish spawning ground, designated Shellfish Growing Waters,</b></p> <p>The proposed licence area lies within spawning and nursery grounds of whiting, haddock and cod. The area also lies within the extensive nursery grounds for mackerel and horse mackerel which includes the entire Irish Sea and a large area of the Celtic Sea. Due to the extent of the area of spawning and nursery activity and the limited spatial and temporal extent of the proposed surveys no impacts are predicted. See Figure 12 of the Planning Report.</p>
<b>2.10</b>	<p><b>Any other site details considered relevant:</b></p> <p>An archaeological assessment undertaken to inform this Foreshore Licence application has identified 52 wrecks within the proposed survey area and a further 58 within the vicinity. A submerged forest is known to extend from Bray Harbour northwards to Shanganagh Park. Further details of these features are presented in Annex D of the Planning Report. With the implementation of the mitigation set out in Annex D no impact on any wreck or the submerged forest is anticipated from the proposed works.</p>

**Part 3: Nature Conservation Considerations (Attach additional documents as required)**

<b>3.1</b>	<p><b>Distance from nearest Natura 2000 sites (i.e. Special Protection Area (SPA) or Special Area of Conservation (SAC):</b></p> <p>Part of the proposed survey area lies within the following Natura 2000 sites:</p> <ul style="list-style-type: none"> <li>• South Dublin Bay and River Tolka Estuary SPA [004024]</li> <li>• South Dublin Bay SAC [000210]</li> <li>• Rockabill to Dalkey Island SAC [003000]</li> </ul>
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3.2	<p><b>Name and location of Natura 2000 sites in or around the project area:</b></p> <p>Please refer to Table 2 and 3, Annex E of the Planning Report for a full list of Natura 2000 sites which have been considered in the Appropriate Assessment Screening and Natura Impact Statement for this Licence application.</p>
3.3	<p><b>Describe potential impacts of the site investigations on Natura 2000 sites.</b></p> <p>An Appropriate Assessment (AA) Screening and Natura Impact Statement (NIS) has been prepared for this Licence application to determine the impact, if any, of the proposed work, individually or in combination with other plans or projects, on NATURA 2000 sites and their conservation objectives. The AA Screening and NIS are presented in Annex E of the Supporting Information.</p>
3.4	<p><b>Describe any measures proposed to mitigate possible impacts on Natura 2000 sites and other key marine receptors.</b></p> <p>The following mitigation measures have been proposed:</p> <ul style="list-style-type: none"> <li>• An ecologist with authority to provide directions to the proposed survey contractor will be onsite during the intertidal works to minimise disturbance and ensure site integrity is maintained.</li> <li>• Drift lines in close proximity to the proposed route would contain the highest proportion of potential food source for bird species. If present, these will be avoided by machinery and personnel.</li> <li>• Any temporary access arrangements or structures that are put in place to allow machinery access to the beach area will be prepared in consultation with an ecologist and the site will be fully reinstated post works.</li> <li>• The relevant Departmental Guidelines "Guidance to Manage the Risk to Marine Mammals from Man-made Sound Sources in Irish Waters" 2014 will be applied to ensure that the potential effects of sound introduced into the marine environment upon marine mammal species are avoided or reduced. A Marine Mammal Observer (MMO) will be onboard the vessel at all times during geophysical surveys to ensure the mitigation measures are implemented in full</li> <li>• Survey activity in the location of the Poolbeg landfall will be outside of the period September to March to avoid disturbance of overwintering birds, conservation features of the South Dublin Bay and River Tolka Estuary SPA.</li> </ul>

<b>3.5</b>	<p>Describe any other projects or plans for the area, anticipated or developed, that in combination with this proposal, may have a significant effect on a Natura 2000 site:</p> <p>The effect of the proposed works in-combination with other projects within the vicinity have been considered during an Appropriate Assessment Screening and Natura Impact Statement preparation process, the results of which are presented in Annex E of the Planning Report. The assessment concluded that there will be no likely significant in-combination effects with these plans or projects.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Application Reference</th> <th>Applicant</th> </tr> </thead> <tbody> <tr> <td>FS006915</td> <td>Celtix Connect Ltd.</td> </tr> <tr> <td>FS006980</td> <td>Dublin Port Company</td> </tr> <tr> <td>FS006543</td> <td>Irish Water</td> </tr> <tr> <td>FS005699</td> <td>Dublin Port Company</td> </tr> <tr> <td>FS006826</td> <td>Dun Laoghaire Rathdown County Council</td> </tr> </tbody> </table>	Application Reference	Applicant	FS006915	Celtix Connect Ltd.	FS006980	Dublin Port Company	FS006543	Irish Water	FS005699	Dublin Port Company	FS006826	Dun Laoghaire Rathdown County Council
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#### **Part 4: Navigational Safety Considerations.**

<b>4.1</b>	<p><b>Distance from shipping lanes at nearest point. Illustrate on the appropriate marine charts accompanying the application.</b></p> <p>Shipping routes are shown in the Supporting Information, Figure 6 of the Planning Report.</p> <p>Part of the proposed marine survey area is crossed by north-south traffic comprising local bulk commodities and fuel transport and container traffic heading to Continental European Ports. The majority of traffic in the vicinity is travelling east-west, to the north of the proposed survey area. These vessels will come in close proximity (~0.5km) to the northern edge of the proposed survey area as they approach and leave Dublin Port.</p>
<b>4.2</b>	<p><b>If a safety zone for passage of shipping (including fishing and leisure boats) is sought, supply details and give reasons.</b></p> <p>No safety zones are sought. Notice to Mariners will request that vessels remain at least 500m from the survey vessels and vessels deploying metocean equipment.</p>

<b>4.3</b>	<p><b>If any temporal /spatial restrictions are sought on the use of any type of fishing gear or leisure activity within the area, provide details and justification for such restrictions and indicate location(s) on appropriate marine charts.</b></p> <p>No formal restrictions are required. Notice to Mariners will request that vessels remain at least 500m from the survey vessels and vessels deploying metocean equipment.</p>
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**Declaration and Consent:**

The details provided here are correct to the best of my knowledge.

I understand that no works will be commenced, by me or my agents on the proposed site, without the prior written consent of the Minister. The granting or refusal of any foreshore investigation licence will not give rise on the part of the applicant to any expectation whatsoever for, right or entitlement to a grant of any future foreshore permission in respect of all or any part of any area of foreshore.

By submitting this application form, I agree that the details provided (with personal contact details redacted) are to be published on the Department of Housing website and also that the full information provided including contact details are to be processed and retained by the Department of Housing, Planning and Local Government and shared with all appropriate Prescribed Bodies (as part of the Prescribed Bodies Consultation process) in furtherance of consideration for a foreshore Consent under the Foreshore Act 1933 (and Foreshore Amendment Act 2011).

I give consent to the Minister and his servants to copy this application and to make (a redacted) copy available for inspection and copying by the public. This consent relates to this application, to any further information, or submission provided by me or on my behalf and to the publication of the licence document

**Signed for and on behalf of the applicant:**



**Name of Signatory (block letters):**

Peter LeFroy

**Position Held:**

Project Director ,Dublin Array, innogy Renewables Ireland Limited

**Date** Tuesday 24<sup>th</sup> September 2019



**Return completed applications to:**

Marine Environment and Foreshore Section  
Department of Housing, Planning and Local Government  
Newtown Road  
Wexford  
Y35 AP90

Enquiries to: [Foreshore@housing.gov.ie](mailto:Foreshore@housing.gov.ie) (Other contact details to be included in Guidance materials)

Email a copy of application documents: [Foreshore@housing.gov.ie](mailto:Foreshore@housing.gov.ie)