

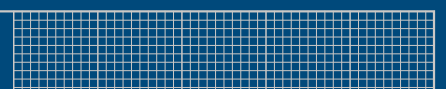


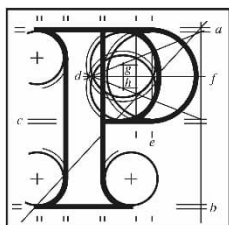
# Part 1A: Planning Particulars Schedule 1: Planning Application Form and Schedule of Documents

**Kish Offshore Wind Ltd**

**RWE**  **SLR** **GoBe**  
APEM Group

[www.dublinarray-marineplanning.ie](http://www.dublinarray-marineplanning.ie)





An  
Bord  
Pleanála

## Application Form for Permission in respect of a Maritime Area Planning Application.

1.

|  |  |
|--|--|
| Please specify the statutory provision under which your application is being made: | <i>Section 291 of the Planning and Development Act 2000, as amended.</i> |
|--|--|

2. **Applicant:**

|                         |  |
|-------------------------|--|
| Name of Applicant:      | <i>Kish Offshore Wind Limited (on behalf of Kish Offshore Wind Limited and Bray Offshore Wind Limited)</i> |
| Address:                | <i>Unit 5 Desart House,<br/>Lower New Street<br/>Kilkenny<br/>R95 H488<br/>Co. Kilkenny<br/>Ireland</i>    |
| Telephone No:           | <i>056 7715782</i>   |
| Email Address (if any): | <a href="mailto:dublinarray@rwe.com">dublinarray@rwe.com</a>   |

3. **Where Applicant is a company (registered under the Companies Acts):**

|                                 |  |
|---------------------------------|--|
| Name(s) of company director(s): | <i>Aidan Forde, Peter Lefroy, Siobhan McCabe</i>   |
| Registered Address (of company) | <i>Unit 5 Desart House<br/>Lower New Street<br/>Kilkenny<br/>R95 H488<br/>Co. Kilkenny<br/>Ireland</i>   |
| Company Registration No.        | <i>Kish Offshore Wind Limited (company registration number 385489), on behalf of Bray Offshore Wind Limited (company registration number 385488) and Kish Offshore Wind Limited.</i> |
| Telephone No.                   | <i>056 7715782</i>   |
| Email Address (if any)          | <a href="mailto:dublinarray@rwe.com">dublinarray@rwe.com</a>   |

**4. Person / Agent acting on behalf of the Applicant (if any):**

|                        |   |
|------------------------|---|
| Name:                  | <i>Paul Kelly</i>   |
| Address:               | <i>RWE Renewables Ireland Limited,<br/>Unit 5 Desart House<br/>Lower New Street<br/>Kilkenny R95 H488<br/>Ireland</i> |
| Telephone No.          | <i>056 7715782</i>  |
| Mobile No. (if any)    | <i>087 1041809</i>  |
| Email address (if any) | <a href="mailto:paul.kelly@rwe.com"><i>paul.kelly@rwe.com</i></a>   |

**Should all correspondence be sent to the above address? (Please tick appropriate box)**

(Please note that if the answer is "No", all correspondence will be sent to the Applicant's address)

Yes: [ **X** ] No: [ ]

Contact Name and Contact Details (Phone number) for arranging entry on site if required / appropriate:

*Paul Kelly (RWE Renewables Ireland Limited): 087 1041809*

**5. Person responsible for preparation of Drawings and Plans:**

|                 |   |
|-----------------|---|
| Name:           | <i>Paul Kelly</i>   |
| Firm / Company: | <i>RWE Renewables Ireland Limited<br/><br/>(with specialist design input from RWE, Petrofac-Engineering &amp; Consultancy Services, DJI Architects, Ramboll and Mott MacDonald Ireland Limited)</i> |
| Address:        | <i>Unit 5 Desart House<br/>Lower New Street<br/>Kilkenny<br/>R95 H488<br/>Co. Kilkenny<br/>Ireland</i>  |
| Telephone No:   | <i>056 7715782</i>  |
| Mobile No:      | <i>(087) 1041809</i>  |

|  |  |  |
|--|--|--|
| Email Address (if any):  | paul.kelly@rwe.com   |  |
| <p><b>Details all plans / drawings submitted – title of drawings / plans, scale and no. of copies submitted. This can be submitted as a separate schedule with the application form.</b></p> <p><b>Details referred to in article 4 of the Planning and Development (Maritime Development) Regulations 2021. This can also be submitted as a separate schedule with the application form</b></p> | <p><i>Please refer to the Drawing Schedule included in Schedule 2.</i></p> |  |

**6. Site:**

|   |   |
|---|---|
| <p>Site Address / Location of the Proposed Development (as may best identify the land or structure in question)</p> | <p><i>The proposed development comprises of an offshore wind turbine array located approximately 10km from the coastline of counties Dublin and Wicklow at the Kish and Bray Banks in the Irish Sea. The wind turbine array will be connected to a single offshore substation platform via interconnected subsea cables. From the offshore substation platform, two subsea export cables will connect the wind farm to shore, at a landfall located at Shanganagh Cliffs, County Dublin. Onshore electricity transmission infrastructure will include underground export cables that will traverse through the townlands of Shanganagh, Hackettsland, Ballybrack, Loughlinstown, Cherrywood, Glebe, Laughanstown, Carrickmines Great and Jamestown, County Dublin and connect to an onshore substation in the townland of Jamestown, Dublin 18. From the onshore substation underground cables will connect to the existing Carrickmines 220 kV electrical substation in the townland of Jamestown, Dublin 18. There will be temporary construction compounds at Shanganagh Cliffs, Clifton Park and Carrickmines Little, County Dublin. The proposed development will also include an Operations and Maintenance Base at St. Michael's Pier, Dún Laoghaire Harbour, County Dublin.</i></p> |
| <p>Ordnance Survey Map Ref No. (and the Grid Reference where available)</p>   | <p><b>Offshore Map References</b></p> <p><i>Admiralty Chart 1468: Arklow to the Skerries Islands</i></p> <p><b>Onshore Map References</b></p> <p><i>Tailte Éireann (Ordnance Survey) Discovery Series covering part of County Dublin, Kildare, Meath and Wicklow – Sheet no's: 3020, OS3022, 3220, 3222</i></p> <p><b>Grid References</b></p>   |

|   |  |
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|   | <p><i>(central Irish Transverse Mercator co-ordinates)</i></p> <p><i>Array Area: 739124E, 721885N</i></p> <p><i>Offshore Export Cable Corridor: 732141E, 721158N</i></p> <p><i>Operations &amp; Maintenance Base: 724541E, 729030N</i></p> <p><i>Landfall Location: 725884E, 723124N</i></p> <p><i>Temporary Construction Compound (Carrickmines Little): 725627E, 723084N</i></p> <p><i>Onshore Substation Site: 720740E, 724044N</i></p>   |
| <p><b>Where available, please provide the application site boundary, as shown in the submitted plans / drawings, as an ESRI shapefile in the Irish Transverse Mercator (ITM IRENET95) co-ordinate reference system. Alternatively, a CAD file in .dwg format, with all geometry referenced to ITM, may be provided.</b></p> <p>A shapefile of the planning application boundary is included with the digital copies of the application (please refer to Part 1 A Planning Particulars).</p> |  |
| <p>Area of site to which the application relates in square kilometres</p>   | <p><i>1. The offshore wind array measures approximately 58.85 sqkm</i></p> <p><i>2. The offshore export cable corridor measures approximately 25.77 sqkm.</i></p> <p><i>3. The Operations and Maintenance base 0.026 sqkm</i></p> <p><i>4. Onshore transmission substation cable corridor and temporary construction compounds 0.29 sqkm</i></p> <p><i>The total area to which the application relates in approximately 84.94 sq km.</i></p>   |
| <p>Existing use of the site &amp; proposed use of the site:</p>   | <p><i>Existing Use Offshore:</i></p> <ul style="list-style-type: none"> <li><i>The offshore elements are located within the marine area which has not, as yet, been subject to development.</i></li> <li><i>The Uisce Éireann Shanganagh-Bray Wastewater Treatment Plant sea outfall pipeline is located within a section of the application boundary approaching landfall</i></li> </ul> <p><i>Existing Use Onshore:</i></p> <ul style="list-style-type: none"> <li><i>Operational and Maintenance Base (O&amp;M Base): existing</i></li> </ul> |

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|  | <p>harbour, parking area, office building, maintenance workshop; former berthing facility; general storage areas.</p> <ul style="list-style-type: none"> <li>Landfall site and onshore transmission infrastructure site areas: Primarily along public roads, public open space, the former Ballyogan landfill site.</li> </ul> <p>Proposed Use Offshore:</p> <p>An offshore wind farm, and all associated offshore and onshore infrastructure, including an Operations and Maintenance Base.</p> |
| Name of the Coastal Planning Authority(s) in whose functional area the site is situated: | Dún Laoghaire-Rathdown County Council and Wicklow County Council   |

## 7. Obligation to obtain permission to carry out development:

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| Are you in possession of a Maritime Area Consent or a licence granted under section 3 of the Foreshore Act, 1933?  |
| Yes: [ <input checked="" type="checkbox"/> ] No: [ <input type="checkbox"/> ]  |
| <p><b>Provide copy of Maritime Area Consent or copy of licence.</b></p> <p><i>Please refer to Schedule 3 for a copy of the Maritime Area Consent(s)</i></p> <p><i>Array area and cable corridor - MAC 2022-MAC-003 and 004</i></p> <p><i>Operations and Maintenance Base - MAC20230012 and MAC240020</i></p> |

## 8. Site History:

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| <b>Details regarding site history (if known):</b>  |
| <p><i>Details of the development site history can be found within Chapter 5 of the accompanying planning report (see Part 1B of the planning application).</i></p> |

## 9. Description of the Proposed Development:

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| <p>Brief description of nature and extent of development</p> | <p><i>The construction, operation and decommissioning of the following proposed development, known as Dublin Array Offshore Wind Farm (hereafter referred to as the proposed development).</i></p> <p><i>The proposed development comprises of an offshore wind turbine array located approximately 10km from the coastline of counties Dublin and Wicklow at the Kish and Bray Banks in the Irish Sea. The wind turbine array will be connected to a single offshore substation platform via interconnected subsea cables. From the offshore substation platform, two subsea export cables will connect the wind farm to shore, at a landfall located at Shanganagh Cliffs, County Dublin. Onshore electricity transmission infrastructure will include underground export cables that will traverse through the townlands of Shanganagh, Hackettsland, Ballybrack, Loughlinstown, Cherrywood, Glebe, Laughanstown, Carrickmines Great and Jamestown, County Dublin, and connect to an onshore substation in the townland of Jamestown, Dublin 18. From the onshore substation underground cables will connect to the existing Carrickmines 220 kV electrical substation in the townland of Jamestown, Dublin 18. There will be temporary construction compounds at Shanganagh Cliffs, Clifton Park and Carrickmines Little, County Dublin. The proposed development will also include an Operations and Maintenance Base at St. Michael's Pier, Dún Laoghaire Harbour, County Dublin.</i></p> <p><i>The <b>wind farm array</b> will consist of one of three different Wind Turbine Generator (WTG) layout options:</i></p> <ul style="list-style-type: none"> <li><i>• WTG Layout Option A, consisting of 50 WTGs on monopile or multi-leg jacket foundations with scour protection, inter-array sub-sea cabling and protection</i></li> <li><i>• WTG Layout Option B, consisting of 45 WTGs on monopile or multi-leg jacket foundations with scour protection, inter-array sub-sea cabling and protection</i></li> <li><i>• WTG Layout Option C, consisting of 39 WTGs on monopile or multi leg jacket foundations with scour protection, inter-array sub-sea cabling and protection</i></li> </ul> <p><i>The maximum blade tip height of the WTGs will be 309.6 metres above Lowest Astronomical Tide. The range of rotor diameters is between 236 metres and 278 metres. The minimum blade tip air gap above sea level will be 31.6 metres above Lowest Astronomical Tide.</i></p> <p><i>Kish Offshore Wind Limited is seeking development permission for all three WTG layout options, although only one of the three options will be constructed and operated.</i></p> |
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|  | <p>The <b>offshore electricity transmission infrastructure</b> consists of a single offshore substation platform (OSP) and two 220 kV sub-sea export cables connecting the OSP to the landfall.</p> <p>The <b>landfall</b> at Shanganagh Cliffs includes two underground transition joint bays (TJBs) where the offshore export cables will be connected to the onshore export cables.</p> <p>The <b>onshore transmission infrastructure</b> consists of the TJBs, two 220 kV onshore underground electricity circuits connecting to an onshore substation.</p> <p>The <b>onshore substation</b> will have an operational site area of 17,000 sqm and will include:</p> <ul style="list-style-type: none"> <li>• 1no. 220 kV Gas Insulated Switchgear building measuring 38.8m (length) x 15.3m (width) x 15.0m (height);</li> <li>• 2no. Static Synchronous Compensator (STATCOM) buildings, measuring 23.0m (length) x 20.3m (width) x 7.3m (height);</li> <li>• 2no. 220 kV shunt reactor compounds, each measuring 20.0m (length) x 13.9m (width), each compound contains 3no. shunt reactors measuring 9.0m high;</li> <li>• 2no. harmonic filter compounds, each measuring 30.0m (length) x 25.0m (width), each containing harmonic filter equipment measuring 7.0m high;</li> <li>• 2no. STATCOM transformer bays and associated firewalls measuring 15.0 m (length) x 14.2 (width) 10.0 m (height)</li> <li>• Installation of associated 220 kV electrical equipment, distribution network operator (ESB) supply and a diesel generator; and,</li> <li>• All ancillary site development works including site preparation works, temporary construction compounds and laydown areas, site drainage including an underground attenuation tank, internal hardstanding and access roads, 6no. car parking spaces, lighting, 17no. lightning masts (18.0m high), internal compound security fencing and gates, (2.6m high), perimeter wall and compound access gate (4.0m high as measured against the finished ground level within the onshore substation compound) and landscaping.</li> </ul> <p>The onshore transmission infrastructure connecting the onshore substation to the existing national electricity transmission grid at the existing Carrickmines 220 kV substation will include two 220 kV ESB Networks underground circuits.</p> <p>The <b>Operations and Maintenance Base</b> infrastructure is proposed at St. Michael's Pier, Dún Laoghaire Harbour, and consists of;</p> |
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|  | <ul style="list-style-type: none"> <li>• Demolition of the existing single storey harbour maintenance building, existing roll on/roll off ramp, 2no. 10.0m high concrete pillars, hardstanding, partial demolition of the upper portion of the existing bankseat buttressing walls, as well as partial demolition of the existing fender adjacent to St. Michael's Pier;</li> <li>• A three-storey building measuring 84.4m (length) x 16.1m (width) x 12.3m (height to parapet high point), which will include office and meeting spaces, workshops, warehouse storage, control room, canteen and welfare facilities, with a 3.0m high roof mounted communications mast;</li> <li>• An electrical substation measuring 2.9m (height) with a gross internal floorspace of 23.6 sqm;</li> <li>• Provision of a floating pontoon at Berth 5 quay wall, measuring 60m long and 6m wide, with associated access gangway, to facilitate the berthing of crew transfer vessels; and,</li> <li>• All ancillary site development works, including temporary construction compound and laydown area, site drainage, external access road, perimeter fencing and gates (2.4 m high), CCTV, lighting, provision of 12no. car parking spaces and a cycle parking area.</li> </ul> <p>Certain details of the proposed development are unconfirmed in the planning application. An opinion has been obtained from An Bord Pleanála, pursuant to Section 287B(2) of the Planning and Development Act 2000, as amended, confirming it is appropriate that the proposed application be made and decided before these details are confirmed. In accordance with this opinion, the Applicant has included options and parameters for certain elements of the proposed development. The Applicant will notify the Board in writing, prior to commencement of the development, or that part of the development to which the detail relates, of the actual detail of the development.</p> <p>A ten year planning permission is sought with an operational lifetime of 35 years. The 35 years operational lifetime will commence from the date of full commercial operation of the project.</p> <p>Both an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) have been prepared in respect of the proposed development.</p> <p>The EIAR has not identified any likely significant transboundary effects on the environment of the United Kingdom and Isle of Man, state party to the United Nations Economic Commission for Europe (UNECE) Convention on Environmental Impact Assessment in a Transboundary Context.</p> <p>The proposed development will require a 'Dumping at Sea Permit' from the Environmental Protection Agency to regulate</p> |
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|  | <p><i>the dumping of any materials at sea, pursuant to the Dumping at Sea Act 1996 (as amended).</i></p> <p><i>The proposed development will partially occur within the boundary of the Cherrywood Strategic Development Zone.</i></p> |
|--|--|

## 10. Development Details:

| Please tick appropriate box:   | If answer is yes please give details | YES      | NO       |
|--|--------------------------------------|----------|----------|
| Does the application relate to work within or close to a European Site or a Natural Heritage Area?   |                                      | <b>X</b> |          |
| Does the development require the preparation of a Natura Impact Statement?   |                                      | <b>X</b> |          |
| Does the proposed development require the preparation of an Environmental Impact Assessment Report?  |                                      | <b>X</b> |          |
| Do you consider that the proposed development is likely to have significant effects on the environment in a transboundary state?                                   |                                      |          | <b>X</b> |
| Does the application relate to a development which comprises or is for the purpose of an activity requiring an integrated pollution prevention and control license |                                      |          | <b>X</b> |
| Does the application relate to a development which comprises or is for the purpose of an activity requiring a waste license?                                       |                                      |          | <b>X</b> |
| Do the COMAH Regulations 2015 (Control of Major Accident Hazards) apply to the proposed development?   |                                      |          | <b>X</b> |

## 11. Notices:

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| Details of public newspaper notice – paper(s) and date of publication   |
| <p><i>Irish Independent – Wednesday 26<sup>th</sup> February 2025</i><br/> <i>The Wicklow People – Wednesday 26<sup>th</sup> February 2025</i><br/> <i>Dublin Gazette South Edition – Thursday 27<sup>th</sup> February 2025</i></p> <p>Copy of page(s) of relevant newspaper enclosed Yes: <b>[X]</b> No: [ ]</p> <p><i>Please refer to Schedule 4 for a copy of each of the pages of the respective newspapers.</i></p> |
| Details of other forms of public notification, if appropriate e.g. website  |

A full copy of the application is available for viewing and can be downloaded via the application website – [www.dublinarray-marineplanning.ie](http://www.dublinarray-marineplanning.ie)

A total of 9 no. site notices were erected at locations adjoining/adjacent to the application site on Wednesday 26<sup>th</sup> February 2025. The locations of the site notices are provided within the onshore electrical system site location plans (Drawing Reference: 229100714-MMD-00-XX-DR-C-0102, 105 and 0106) and O&M Base site location plan (Drawing Reference: DUN-DJI-ZZ-XX-DR-A-21000).

A copy of the site notice is provided in Schedule 8.

## 12. Pre-application Consultation:

### Date(s) of statutory pre-application consultations with An Bord Pleanála:

Section 287  
ABP-320756-24  
23 October 2024

Section 287A  
ABP-320830-24  
23 October 2024

**Schedule of any other pre application consultations –name of person / body and date of consultation to be provided as appropriate and also details of any general public consultations i.e. methods, dates, venues etc. This can be submitted as a separate schedule with the application form.**

Yes: ☒ No: ☐

*Please refer to Schedule 5 for a copy of the Public Consultation and Engagement Report and a schedule of pre-application consultations completed.*

**Schedule of prescribed bodies to whom notification of the making of the application has been sent and a sample copy of such notification.**

*Please refer to Schedule 6 for a Schedule of all Bodies notified, Copies of the Notification Letters to Coastal Planning Authorities, Copies of the Notification Letter to Prescribed Bodies and Copies of the Notification Letters to Transboundary Bodies.*

Yes: ☒ No: ☐

## 13. Confirmation Notice:

### Copy of Confirmation Notice

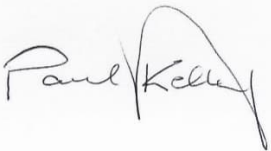
Attach a copy of the confirmation notice in relation to the EIA Portal where an EIAR accompanies the application.

*Please refer to Schedule 7 for a copy of the confirmation notice.*

**14. Application Fee:**

|             |          |
|-------------|----------|
| Fee Payable | €100,000 |
|-------------|----------|

**I hereby declare that, to the best of my knowledge and belief, the information given in this form is correct and accurate and that the application documents being deposited at the planning authority offices, and any other location specified by the Board in pre application consultations, including a website (if any) will be identical to the application documents being deposited with the Board.**

|  |   |
|--|---|
| Signed:<br>(Applicant or Agent as appropriate) |  |
| Date:  | Thursday 27 <sup>th</sup> February 2025   |

**General Guidance Note:**

The range and format of material required to be compiled / submitted with any application in respect of a proposed maritime area development shall generally accord with the requirements for a planning application as set out in the Regulations and those Regulations should therefore be consulted prior to submission of any application.

## Planning Application Schedule of Documents

|   |   |
|---|---|
| Reference Document  |   |
| <b>PART 1 PLANNING DOCUMENTS</b>                                    |   |
| <b>Part 1A Planning Particulars</b>                                 |   |
| Section 1   | Cover Letter  |
| Section 2   | Planning Application Form and Planning Application Schedule of Documents (Schedule 1) |
| Section 3   | Schedule 2 Drawing Schedule   |
| Section 4   | Schedule 3 Maritime Area Consents   |
| Section 5   | Schedule 4 Newspaper Notices  |
| Section 6   | Schedule 5 Public Consultation and Engagement Report                                  |
| Section 7   | Schedule 6 Prescribed Bodies and Transboundary States Notices                         |
| Section 8   | Schedule 7 EIA Portal Notification  |
| Section 9   | Schedule 8 Site Notice  |
| Section 10  | Schedule 9 Letters of Consent   |
| Section 11  | Schedule 10 Form 22 Supplementary Information   |
| Section 12  | Planning Application Shapefile  |
| <b>Part 1B Planning Report</b>                                      |   |
| Planning Report   |   |
| <b>Part 2 Planning Drawings</b>                                     |   |
| Planning Drawings (please refer to Schedule 2 for list of drawings) |   |
| <b>Part 3 ENVIRONMENTAL IMPACT ASSESSMENT REPORT</b>                |   |
| <b>Volume 1 Non-Technical Summary</b>                               |   |
| Non-Technical Summary   |   |
| <b>Volume 2 Introductory Chapters</b>                               |   |
| 2.1   | Introduction  |
| 2.2   | Consents, Legislation, Policy and Guidance  |
| 2.3   | EIA Methodology   |
| 2.4   | Cumulative Effects Assessment Methodology   |
| 2.5   | Consideration of Alternatives   |

| Reference Document                                    |   |
|---|---|
| 2.6   | Project Description   |
| Volume 3 Offshore Infrastructure Assessment Chapters  |   |
| 3.1   | Marine Geology, Oceanography and Physical Processes                           |
| 3.2   | Marine Water and Sediment Quality   |
| 3.3   | Benthic Subtidal and Intertidal Ecology                                       |
| 3.4   | Fish and Shellfish Ecology  |
| 3.5   | Marine Mammals  |
| 3.6   | Offshore and Intertidal Ornithology   |
| 3.7   | Bats in the Offshore Environment  |
| 3.8   | Nature Conservation   |
| 3.9   | Commercial Fisheries  |
| 3.10  | Shipping and Navigation   |
| 3.11  | Marine Infrastructure and Other Users   |
| 3.12  | Aviation and Radar  |
| 3.13  | Marine Archaeology  |
| 3.14  | Cultural Heritage Settings Assessment (Terrestrial Archaeology and Monuments) |
| 3.15  | Seascape, Landscape and Visual Impact Assessment                              |
| 3.16  | Noise and Vibration (Terrestrial Receptors)                                   |
| 3.17  | Socio-Economics, Tourism, Recreation and Land Use                             |
| 3.18  | Climate Change  |
| 3.19  | Major Accidents and Disasters   |
| 3.20  | Offshore Assessment - Operations and Maintenance Base                         |
| Volume 4 Offshore Infrastructure Technical Appendices |   |
| 4.3.1-1   | Technical Baseline Report - Physical Processes                                |
| 4.3.1-2   | Physical Process Modelling for Dublin Array Offshore Wind Farm                |
| 4.3.1-2a  | <i>Geophysical and Geotechnical Desk Study for Dublin Array Wind Farm</i>     |
| 4.3.1-3   | Hydrodynamic Calibration and Validation Report                                |
| 4.3.1-4   | Spectral Wave Model Calibration and Validation Report                         |



| Reference Document |  |
|--------------------|--|
| 4.3.1-5            | Physical Processes Modelling and Design Options Comparison Report  |
| 4.3.2-1            | Water Framework Directive and Marine Strategy Framework Directive Summary  |
| 4.3.3-1            | Technical Baseline Report – Benthic Subtidal and Intertidal Ecology  |
| 4.3.3-2            | Marine Intertidal Ecological Survey, Shanganagh and Poolbeg, Co. Dublin  |
| 4.3.3-3            | Fugro - WPM1, WPM2 & WPM3 - Main Array & ECR - Benthic Ecology Monitoring Report                                   |
| 4.3.3-4            | Fugro – WPM1, WPM2 & WPM3 – Array Area & ECR – Environmental Features Report (Habitat Analysis Only)               |
| 4.3.3-5            | Underwater Image Analysis  |
| 4.3.4-1            | Technical Baseline Report - Fish and Shellfish Ecology   |
| 4.3.4-2            | A Fisheries survey of the Kish and Bray banks  |
| 4.3.5-1            | Technical Baseline Report – Marine Mammals   |
| 4.3.5-2            | Dublin Array OWF Marine Mammal Abundance Estimates 2019-2021   |
| 4.3.5-3            | Estimating harbour porpoise abundance using spatial and temporal modelling - update                                |
| 4.3.5-4            | Boat Based Bird and Marine Mammal Survey Report June 2019 - September 2020   |
| 4.3.5-5            | Boat Based Bird and Marine Mammal Survey Report October 2020 April 2021  |
| 4.3.5-6            | Phase 1 Irish Offshore Wind Farms: Cumulative iPCoD modelling  |
| 4.3.5-7            | Dublin Array: Underwater noise assessment  |
| 4.3.5-8            | Derogation Licence Application   |
| 4.3.6-1            | Technical Baseline Report – Ornithology  |
| 4.3.6-2            | Method Statement: Offshore Wind Ornithology Assessment for East Coast Phase 1                                      |
| 4.3.6-3            | Review of Method Statement, Offshore Wind Ornithology Assessment for East Coast Phase 1 Projects                   |
| 4.3.6-4            | Seabird Collision Risk Modelling   |
| 4.3.6-5            | Migratory Collision Risk Modelling   |
| 4.3.6-6            | Displacement Matrices  |
| 4.3.6-7            | Offshore Ornithology Population Viability Analyses   |
| 4.3.6-8            | Intertidal Bird Surveys at Two Potential Grid Connection Cable Landfall Locations - Winter 2019/20 and Autumn 2020 |
| 4.3.6-9            | Intertidal Bird Surveys at Shanganagh WWTP – Winter 2023/24  |
| 4.3.7-1            | Offshore Bats Technical Baseline Report  |

| Reference Document                                  |  |
|---|--|
| 4.3.9-1   | Technical Report – Commercial Fisheries  |
| 4.3.10-1  | Dublin Array Offshore Wind Farm Navigation Risk Assessment   |
| 4.3.10-2  | Dublin Array Offshore Wind Farm Winter Survey 2019   |
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