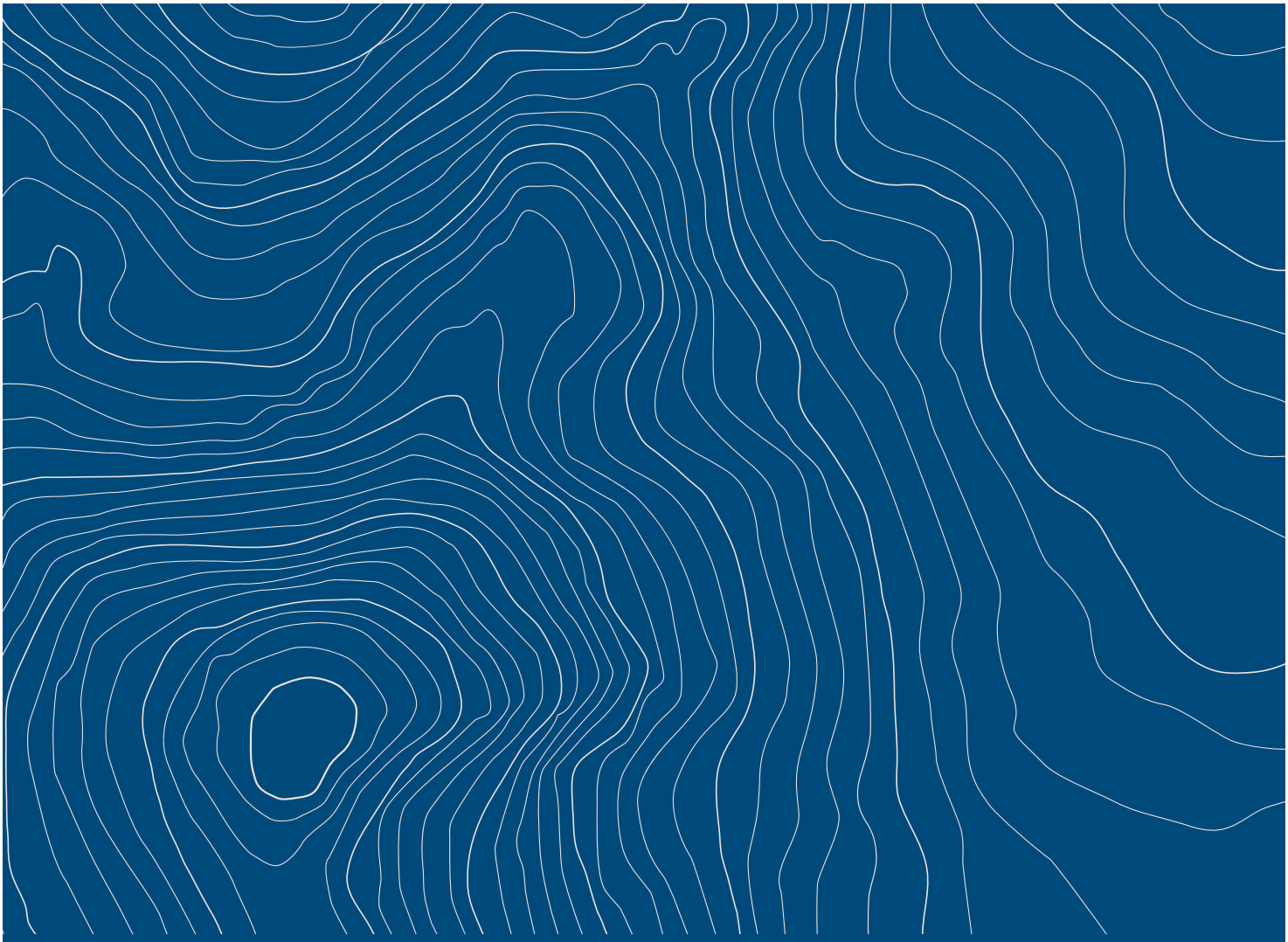

DublinArray
Generation for generations

Part 1A: Planning Particulars
Schedule 8: Site Notices

Kish Offshore Wind Ltd

RWE SLR GoBe
APEM Group

www.dublinarray-marineplanning.ie

PLANNING AND DEVELOPMENT ACT 2000, AS AMENDED

Notice of Direct Planning Application to An Bord Pleanála in respect of an offshore wind energy project

County Dublin (Dún Laoghaire-Rathdown) and County Wicklow

In accordance with Section 291 of the Planning and Development Act 2000, as amended, Kish Offshore Wind Limited (on behalf of Kish Offshore Wind Limited and Bray Offshore Wind Limited) gives notice of its intention to make an application for permission to An Bord Pleanála in relation to the construction, operation and decommissioning of **the following** proposed development, known as Dublin Array Offshore Wind Farm (hereafter referred to as the proposed development).

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.

The **wind farm array** will consist of one of three different Wind Turbine Generator (WTG) layout options:

- 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
- 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
- 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

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 (m) above Lowest Astronomical Tide.

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.

The **offshore electricity transmission infrastructure** consists of a single offshore substation platform (OSP) and two 220 kV sub-sea export cables connecting the OSP to the landfall.

The **landfall** at Shanganagh Cliffs includes two underground transition joint bays (TJBs) where the offshore export cables will be connected to the onshore export cables.

The **onshore transmission infrastructure** consists of the TJBs, two 220 kV onshore underground electricity circuits connecting to an onshore substation.

The **onshore substation** will have an operational site area of 17,000 square metres (sqm) and will include:

- 1no. 220 kV Gas Insulated Switchgear building measuring 38.8m (length) x 15.3m (width) x 15.0m (height);
- 2no. Static Synchronous Compensator (STATCOM) buildings, measuring 23.0m (length) x 20.3m (width) x 7.3m (height);
- 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;
- 2no. harmonic filter compounds, each measuring 30.0m (length) x 25.0m (width), each containing harmonic filter equipment measuring 7.0m high;
- 2no. STATCOM transformer bays and associated firewalls measuring 15.0 m (length) x 14.2 (width) 10.0 m (height);
- Installation of associated 220 kV electrical equipment, distribution network operator (ESB) supply and a diesel generator; and,
- 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.

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.

The **Operations and Maintenance Base** infrastructure is proposed at St. Michael's Pier, Dún Laoghaire Harbour, and consists of;

- 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;
- 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;
- An electrical substation measuring 2.9m (height) with a gross internal floorspace of 23.6 sqm;
- 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,
- 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.

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.

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.

Both an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) have been prepared in respect of the proposed development.

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.

The proposed development will require a 'Dumping at Sea Permit' from the Environmental Protection Agency to regulate the dumping of any materials at sea, pursuant to the Dumping at Sea Act 1996 (as amended).

The proposed development will partially occur within the boundary of the Cherrywood Strategic Development Zone.

The planning application, the EIAR and the NIS, may be inspected free of charge or purchased on payment of a specified fee (which fee shall not exceed the reasonable cost of making such copy) during public opening hours for a period of eight weeks commencing on 10th March 2025 at the following locations:

- The offices of An Bord Pleanála, 64 Marlborough Street, Dublin, D01 V902
- The offices of Dún Laoghaire-Rathdown County Council, County Hall, Marine Road, Dún Laoghaire, A96 K6C9
- The offices of Wicklow County Council, County Buildings, Whitegates, Wicklow Town, A67 FW96

The application may also be viewed or downloaded on the following website: www.dublinarray-marineplanning.ie

Submissions or observations may be made only to the Marine / Climate Section of An Bord Pleanála ('the Board') 64 Marlborough Street, Dublin, D01 V902, in writing or online on the Board's website www.pleanala.ie during the above-mentioned period of eight weeks relating to -

i. the implications of the proposed development for maritime spatial planning, and

ii. the implications of the proposed development for proper planning and sustainable development, and

iii. the likely effects on the environment or any European site of the proposed development, if carried out.

Any submissions or observations must be accompanied by a fee of €50 (except for certain prescribed bodies) and must be received by An Bord Pleanála not later than 5.30 p.m. on 7th May 2025. Such submissions or observations must also include the following information:

- The name of the person making the submission or observation, the name of the person acting on his or her behalf, if any, and the address to which any correspondence relating to the application should be sent,
- the subject matter of the submission or observation, and
- the reasons, considerations and arguments on which the submission or observation is based in full [Article 5 of the Planning and Development Act (Marine Development) Regulations 2023 refers].

Any submissions or observations which do not comply with the above requirements cannot be considered by the Board.

The Board may at its absolute discretion hold an oral hearing on the application.

The Board may in respect of an application for permission decide to –

(a) (i) grant the permission subject to such modification (if any), to the proposed development as it may specify, or

(ii) grant the permission in respect of part of the proposed development concerned subject to such modifications (if any) to that part as it may specify, and any of the above decisions may be subject to conditions as the Board considers appropriate.

or

(b) refuse to grant the permission.

Any enquiries relating to the application process should be directed to the Marine Area Planning Section of An Bord Pleanála (Tel. 01-8588100).

A person may question the validity of any such decision by the Board by way of an application for judicial review, under Order 84 of the Rules of the Superior Courts (S.I. No. 15 of 1986, as amended), in accordance with section 50 of the Planning and Development Act, 2000, as amended.

Practical information on the review mechanism can be accessed on the Board's website at www.pleanala.ie under the heading 'Judicial Review Notice' or on the Citizens Information Service website at www.citizensinformation.ie.

Signed:

Agent: Paul Kelly, RWE Renewables Ireland Limited, Unit 5 Desart House, Lower New Street, Kilkenny

Date of erection of site notice: Wednesday 26th February 2025