The shaded blocks below indicate the areas of activity published within this Bulletin.

This Bulletin, along with previous issues, can be viewed at: www.kingfishercharts.org, or you can register for an email alert by contacting: kingfisher@seafish.co.uk

All co-ordinates listed in this Bulletin refer to WGS84 datum
Moray Offshore Renewables Limited – Met Mast Works

Please be advised that Drace Infraestructuras UK Ltd is undertaking seabed preparation work for the installation of a meteorological mast for the Moray Offshore Renewables Limited (MORL) offshore wind farms. This work is being undertaken in support of the development of The Crown Estate Round 3 Zone 1 offshore wind licensing on the outer Moray Firth off the East coast of Scotland.

A navigation buoy will be installed on the 16th or 17th July prior to the construction of a subsea berm. The installation of the marker buoy will be carried out by the MV C-Odyssey and will take approximately one day. The MV C-Odyssey is 26 m overall length with a Gross Register Tonnage (GRT) of 150 tonnes. The Vessel's call sign is 2ETW7, she will operate from Invergordon for the duration of the work.

Other vessels should maintain an appropriate and safe distance when passing MV C-Odyssey and should pass at lowest possible speed to avoid vessel wash effects. The navigation buoy lighting will be configured as a Special Mark (flashing yellow, 1 flash every 5 seconds, nominal range 5 nm visibility).

Subsea Berm Construction

A bedding and levelling layer embankment is to be installed by the deposition of quarry run aggregate material. The dimensions of the embankment will be 49.8m x 47.9m x 1.7m (top at -38m LAT). Prior to the commencement of these works a surface marker navigation buoy is to be positioned at a point 300m North of the Northernmost corner of the embankment (i.e.300m North of Corner 2).

Construction of the berm will begin at the earliest on 21st July 2014 and continue for a period of approximately 23 days. Details of the installation vessel will be released in a following notice to mariners.

For further information, please contact: John Yorston, Moray Offshore Renewables, Tel: 0131 5567602 / 07557635096 email: john.yorston@edr.com
Bluemull Sound, Shetland – Subsea Tidal Turbine & Power Cable

Please note a Subsea tidal turbine in the Bluemull Sound, Shetland, and the final route of the power cable which runs from the turbine to Cullivoe Pier.

There are no navigational markers for the device.

Mariners and in particular fishing vessels are requested to keep well clear of the deployment area and to be aware that the minimum clearance of the turbine from MLWS will be 15m.

Cable Waypoints:

<table>
<thead>
<tr>
<th>LAT</th>
<th>LONG</th>
</tr>
</thead>
<tbody>
<tr>
<td>60°41.915'N</td>
<td>00°59.057'W</td>
</tr>
<tr>
<td>60°41.870'N</td>
<td>00°59.840'W</td>
</tr>
<tr>
<td>60°41.830'N</td>
<td>00°59.718'W</td>
</tr>
<tr>
<td>60°41.832'N</td>
<td>00°59.636'W</td>
</tr>
<tr>
<td>60°41.832'N</td>
<td>00°59.527'W</td>
</tr>
<tr>
<td>60°41.832'N</td>
<td>00°59.433'W</td>
</tr>
<tr>
<td>60°41.851'N</td>
<td>00°59.229'W</td>
</tr>
<tr>
<td>60°41.832'N</td>
<td>00°59.057'W</td>
</tr>
</tbody>
</table>

For further information, please contact: Patrick Ross-Smith, Nova Innovation Ltd, Tel: 01595 830461  email: Patrick.ross-smith@novainnovation.com
Neart Na Gaoithe Offshore Windfarm – Survey

Please note a geophysical and geotechnical survey is to be carried out at the proposed Neart Na Gaoithe Offshore Windfarm and Cable Route. The cable route survey is taking place within a 150m corridor either side of the cable route, i.e. 300m total survey corridor width, and is located in very shallow water within 1.5 km of Thorntonloch beach.

The vessels carrying out the geophysical and geotechnical investigations include the MV Fugro Commander and MV Highland Eagle. The surveys are expected to commence on the 15th July 2014 and be completed by, approximately the 30th September 2014.

Wind Farm Site FID:
1. 56°15.152'N 002°09.998'W
2. 56°12.603'N 002°09.355'W
3. 56°12.633'N 002°14.098'W
4. 56°12.648'N 002°16.393'W
5. 56°15.361'N 002°19.728'W
6. 56°15.708'N 002°20.156'W
7. 56°17.312'N 002°20.333'W
8. 56°19.633'N 002°22.600'W
9. 56°20.193'N 002°16.619'W
10. 56°20.053'N 002°15.011'W

Cable Route Survey Coordinates:
1. 55°57.665'N 002°23.641'W
2. 55°57.800'N 002°22.548'W
3. 55°58.007'N 002°22.548'W
4. 55°57.665'N 002°23.641'W
5. 55°57.800'N 002°22.548'W
6. 55°58.007'N 002°22.548'W
7. 55°57.665'N 002°23.641'W
8. 55°57.800'N 002°22.548'W
9. 55°58.007'N 002°22.548'W
10. 55°57.665'N 002°23.641'W

For further information, please contact: Rosie Scurr. Tel: +44 (0)141 206 3864 or +44 (0)7967445717 Email: rosie.scurr@mainstreamrp.com

Neart Na Gaoithe Offshore Windfarm – Metocean Buoy Deployment

On the 20th April 2014, Neart Na Gaoithe Offshore Wind Limited deployed two metocean buoys at their offshore Wind Farm site approximately 21km east of the Fife coast. Please find location details below. The buoys measure (1) wind speed and direction and (2) waves and currents; both buoys are deployed alongside each other.

Both buoys are painted to IALA standard, have an amber navigation light set to flash 5 times at 1Hz every 20 seconds.

Buoy (1) is moored using two delta flipper anchors with riser chains (max. 250m each). There are two pennant buoys floating on the surface above each of the two seabed anchors associated with the buoy. The pennant buoys are yellow, 1m long, diameter of 0.5m and are unlit. They are attached to the anchors by steel wire. Buoy (2) is moored via a single bungee line.

The buoys will be deployed within the Neart Na Gaoithe Wind farm boundary, at the following co-ordinates:

(1) 56°15.762'N 02°15.011'W – 92m drift radius (anchors marked with pennant buoys at 56°15.875'N 02°15.032'W and 56°15.654'N 02°15.029'W)
(2) 56°15.766'N 02°15.203'W – 82m drift radius

Please note requirement for wide berth when passing buoys detailed below due to their large excursion as a result of their mooring configurations.

The buoys were deployed on 20th April 2014 and are expected to stay in place for up to 12 months (until approx. 20th April 2015).

For further information, please contact: Keith Harsham, Tel: +44(0)20 77765515 Mob +44(0)7876454649 Email: keith.harsham@mainstreamrp.com
For ‘live’ Kingfisher updates of all Cable & Wind Farm activities, please visit www.kis-orca.eu

First Published: 01 July 2014 | Latest Update: 01 July 2014

Inch Cape Offshore Limited – Met Mast Works

Please be advised that Drace Infraestructuras UK Ltd is undertaking, on behalf of Inch Cape Offshore Limited, seabed preparation work for installation of a met mast.

Bathymetry survey and UXO works will be carried out on 15th or 16th July prior to the construction of a subsea berm. These works will be performed by the Montrose Marine II and will take approx. 2 days.

A navigation buoy will be installed on the 16th 17th July prior to the construction of a subsea berm. The installation will be carried out by the Orcadia Call Sign:2EWK4

The navigation buoy lighting will be configured as a Special Mark (flashing yellow, 1 flash every 5 seconds, nominal range 5 nm visibility).

Subsea Berm Construction

A bedding and levelling layer embankment is to be installed by the deposition of quarry run aggregate material. The dimensions of the embankment will be 68.52m x 69.8m x 2.0m (top at -47 m LAT). Prior to the commencement of these works a surface marker navigation buoy is to be positioned at a point 300 m North of the Northernmost corner of the embankment (i.e.300 m North of Corner 3).

The details of the vessel carrying out the work are: Nordnes Call Sign: PHOG

Construction of the berm will begin at the earliest on 21th July 2014 and continue for a period of approximately 23 days. Details of the installation vessel will be released in a following notice to mariners.

For further information, please contact: Mr O Larsson, Drace Infraestructuras UK Ltd, Tel: 01349 852 308

Outer Moray Firth – Survey Activities

Mariners are advised that Calegeo will be carrying out geotechnical survey operations on behalf of Moray Offshore Renewables Limited (MORL) in the outer Moray Firth, as part of the Moray OWF project.

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area Covered</th>
<th>Start Timeframe &amp; Duration</th>
<th>Area</th>
</tr>
</thead>
</table>

For further information, please contact: Carlos Alvarenga, Calegeo, Tel: +44(0) 1508 521 200 email: carlos.alvarenga@calegeo.com
Dogger Bank Creyke Beck – Notification of Hearings

Following the acceptance for examination of the proposed Dogger Bank Creyke Beck offshore wind farm development by the Planning Inspectorate (September 2013), the Examining Authority will be holding the third of four anticipated sets of hearings. Notice is therefore given that issue specific and compulsory acquisition hearings will be held by the Examining Authority as detailed below:

Hearings:

<table>
<thead>
<tr>
<th>Date (2014)</th>
<th>Hearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thurs 3 July</td>
<td>Compulsory Acquisition Hearing</td>
</tr>
<tr>
<td>Fri 4 July</td>
<td>Compulsory Acquisition Hearing</td>
</tr>
<tr>
<td>Wednesday 16 July</td>
<td>Issue specific hearing – development consent order and deemed marine licence</td>
</tr>
<tr>
<td>Thursday 16 July</td>
<td>Issue specific hearing – development consent order and deemed marine licence</td>
</tr>
</tbody>
</table>

Should all matters be dealt with on day one (Thurs 3 July) of the Compulsory acquisition hearing, the hearing will conclude and will not then take place on Friday 4 July, therefore please ensure you are present on Thursday 3 July.

Should all matters be dealt with on Wednesday 16 July, the hearing will conclude and will not then take place on Thursday 17 July, therefore please ensure you are present on Wed 16 July.

For further information, please contact: Elizabeth Eddy, Velvet Communications Ltd, Tel: 01642 584790 email: www.velvetcommunications.co.uk
Sheringham Shoal Wind Farm – Malfunction of Lights

The following items relating to sign lighting are not functional within Sheringham Shoal Wind Farm. Sign lights are not navigational aids and are not to be used as such.

<table>
<thead>
<tr>
<th>Location</th>
<th>Position</th>
<th>ID Config</th>
<th>Defect</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS1</td>
<td>53°08.648'N 001°07.236'E</td>
<td>4 ID Boards around transition piece each with 3 lights (total 12 lights)</td>
<td>East ID light board, left bulb of 3 unlit West ID light board, right bulb of 3 unlit North ID light board, centre bulb of 3 unlit</td>
</tr>
<tr>
<td>OS2</td>
<td>53°07.602'N 001°10.549'E</td>
<td>4 ID Boards around transition piece each with 3 lights (total 12 lights)</td>
<td>North West ID light board, right bulb of 3 unlit</td>
</tr>
<tr>
<td>H6</td>
<td>53°07.194’N 001°10.482’E</td>
<td>3 ID Boards around transition piece.</td>
<td>South East ID light board is unlit</td>
</tr>
</tbody>
</table>

On 9th July 2014 the IMR (Inspection Maintenance Repair) vessel “Rem Ocean” is expected to arrive in the Sheringham Shoal Wind Farm to undertake some essential retrofit operations throughout the site. If weather is unsuitable for transit or safe working window time is not met, this arrival date may be delayed.

She will navigate onto the wind farm site through the North-East entry/exit gate between WTG (wind turbine generator) ShS (Sheringham Shoal) F1 in 53°09.662N 001°07.852E and WTG ShS K5 in position 53°07.196N 001°12.011E.

The vessel is expected to remain on site for 4-6 weeks, but will be regularly transiting to and from Great Yarmouth for the collection of materials. All entering and exiting site will be done through the North-East entry/exit gate.

All vessels are to give “Rem Ocean “ a 500m exclusion zone and to call the vessel on CH10 to request entry or transit through the exclusion.

For further information, please contact: Gary Lorimer, Statkraft, Tel: +44 (0)1328 824356 email: Gary.Lorimer@statkraft.com

London Array Wind Farm – Diving and Construction Works

Construction works at London Array Offshore Wind Farm are complete and the wind farm is operational. However, remedial construction works are required at a number of turbines and inter array cable locations.

In order to avoid damage to the wind farm assets whilst remedial construction is conducted at London Array the following guidelines should be adhered to:

- Safety Exclusion Zones remain in operation for October 2013 and will be reinstated in March 2014 through to November 2014. This means an enforceable 50m safety zones from each turbine and 500m safety zones from a construction vessel will be in operation for this period.
- Between October 2013 and November 2014 an advisory 100m safety zone should be observed around each turbine and offshore substation due to the risk of exposures of array cable ends at foundations whilst remedial works are on-going.
- Cable reburial is required at the following locations and as such these areas should be avoided in totality.

<table>
<thead>
<tr>
<th>Location</th>
<th>Coordinates</th>
<th>Length of Exposure</th>
<th>Location</th>
<th>Coordinates</th>
<th>Length of Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location 1</td>
<td>51°35.140’N 001°27.968’E</td>
<td>20m</td>
<td>Location 5</td>
<td>51°37.688’N 001°28.851’E</td>
<td>6m</td>
</tr>
<tr>
<td>Location 2</td>
<td>51°35.447’N 001°31.478’E</td>
<td>8m</td>
<td>Location 6</td>
<td>51°41.232’N 001°29.899’E</td>
<td>5m</td>
</tr>
<tr>
<td>Location 3</td>
<td>51°36.653’N 001°26.513’E</td>
<td>7m</td>
<td>Location 7</td>
<td>Start: 51°37.954’N 001°26.029’E</td>
<td>926m</td>
</tr>
<tr>
<td>Location 4</td>
<td>51°38.153’N 001°26.331’E</td>
<td>5m</td>
<td>Location 8</td>
<td>Start: 51°41.429’N 001°30.862’E</td>
<td>865m</td>
</tr>
</tbody>
</table>
For ‘live’ Kingfisher updates of all Cable & Wind Farm activities, please visit www.kis-orca.eu

...continued

- Care should be taken within the wind farm site to avoid snagging array cables. Although not expected, natural seabed variation may reduce the depth of burial over buried cables without London Array’s immediate knowledge.
- Snagging cables not only poses a risk to health and safety but could also cause a serious risk of damage to wind farm assets.

For further information, please contact: Email: londonarraytraffic@dongenergy.dk, Tel: +44(0)7909414690 or +45 31727585

First Published: 14 August 2013 | Latest New: 26 June 2014

Humber Gateway Offshore Wind Farm – Foundation Installation Phase 1

Please be advised that E.ON will be installing 24 Wind Turbine Foundations approximately 10 miles offshore from Spurn Head, within the Humber Gateway Offshore Wind Farm.

Boulder Removal Phase 3:
Atlantic Explorer: Ongoing boulder removal.

Array Cable Installation
Atlantic Carrier: Currently in Immingham recapping on first cable installation. Next cables to be installed B07-B06, B06-B05, A09-A07, and A07-A06 Whalsa Lass: AHT for Carrier.

Project Wave Riders
Tri-axe has been recovered for repairs and will be redeployed in the same position this week.

LAT  LONG  LAT  LONG
Eon Tri-axe Wave Rider  53°38.788'N  00°16.023'E  Eon Data-well Wave Rider  53°38.199'N  00°15.846'E

Important Locations:

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Lat</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met Mast</td>
<td>53°38.237N</td>
<td>00°15.738'E</td>
</tr>
<tr>
<td>West Cardinal Lighted Buoy (N)</td>
<td>V Q (9) 10s</td>
<td>53°39.900N</td>
</tr>
<tr>
<td>West Cardinal Lighted Buoy (S)</td>
<td>Q (9) 15s</td>
<td>53°37.000N</td>
</tr>
<tr>
<td>South Cardinal Lighted Buoy</td>
<td>Q (6) + LFI 15s</td>
<td>53°36.500N</td>
</tr>
<tr>
<td>East Cardinal Lighted Buoy (S)</td>
<td>Q (3) 10s</td>
<td>53°38.400N</td>
</tr>
<tr>
<td>East Cardinal Lighted Buoy (N)</td>
<td>V Q (3) 5s</td>
<td>53°40.300N</td>
</tr>
<tr>
<td>Wave rider No 1</td>
<td></td>
<td>53°39.830N</td>
</tr>
</tbody>
</table>

Wet Storage of Anchors
Currently 6 anchors are wet stored around the metmast. A 500m exclusion zone is in place around this location. These locations are marked with yellow cans and a separate buoy with Navigational aids. The buoys are all marked with reflective tape, Anchor number and the EON emergency mobile.

Export Cable End Markers (Both cable ends have now been laid on the seabed. Please note a 800m exclusion zone has been implemented around the duct ends to protect the surface laid cable.

LAT  LONG
North End Cable  53°39.248'N | 00°15.181'E  South End Cable  53°39.280'N | 00°15.215'E

For further information, please contact: Gordon Bain, Eon Tel:+44(0) 7787241442  or Nigel Proctor (Fisheries Liaison) Tel: +44(0)7702730891
Lincs Offshore Wind Farm – Aids to Navigation Outage

Lincs Offshore Wind Farm wishes to Advice Mariners that all Aids to Navigation are now operational on the Lincs Offshore Wind Farm Site.

All inter-array cables are now installed, although some exposed cable ends exist near turbines. Mariners are reminded to maintain a 50m safety zone from all foundation structures and 500m from any works underway within the site.

Mariners are advised that all 75 x WTG’s have now been successfully completed. However, 50m safety zones remain in place around all turbine structures until further notice whilst final commissioning works take place.

The locations and specification of the 8 permanent navigation aids, is shown below.

<table>
<thead>
<tr>
<th>Turbine N°</th>
<th>Position</th>
<th>Permanent Marine Navigation Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS01</td>
<td>53°14.475'N 000°27.569'E</td>
<td>(Fl Y 5s) and Fog Horn</td>
</tr>
<tr>
<td>LS05</td>
<td>53°13.069'N 000°28.162'E</td>
<td>(Fl Y 5s)</td>
</tr>
<tr>
<td>LS13</td>
<td>53°08.457'N 000°28.303'E</td>
<td>(Fl Y 5s)</td>
</tr>
<tr>
<td>LS33</td>
<td>53°07.712'N 000°29.403'E</td>
<td>(Fl Y 5s)</td>
</tr>
<tr>
<td>LS52</td>
<td>53°14.843'N 000°30.010'E</td>
<td>(Fl Y 5s) and Fog Horn</td>
</tr>
<tr>
<td>LS59</td>
<td>53°12.451'N 000°31.016'E</td>
<td>(Fl Y 5s) and Fog Horn</td>
</tr>
<tr>
<td>LS64</td>
<td>53°10.803'N 000°31.047'E</td>
<td>(Fl Y 5s)</td>
</tr>
<tr>
<td>LS69</td>
<td>53°09.088'N 000°31.048'E</td>
<td>(Fl Y 5s) and Fog Horn</td>
</tr>
</tbody>
</table>

For a copy of the Kingfisher Awareness Flyer for the Lincs Offshore Wind Farm, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: Lincs Offshore Wind Farm

For further information, please contact: Angela Wilcock, RSS Marine, Tel: 0723 893930 email: awilcock@dsml.co.uk

Westermost Rough Wind Farm – Operations & Activities

The Westermost Rough Offshore Wind Farm is located 8 km from the Holderness coast, approximately 25 km North of Spurn Head at the river Humber estuary. The wind farm will be made up of 35 Siemens 6MW turbines, with construction beginning in the first half of 2014 and the wind farm is expected to be fully commissioned in the first half of 2015.

- Foundation installation is commencing with the vessels Innovation and MPI Lucinda.
- Survey work on installed foundations is being undertaken by the vessel Foryd Bay.
- The guard vessel Marja is on site.

For further information, please contact: Marine Coordinator, Tel: +44 (0)7776 170914, Email: mcWMR@dongenergy.co.uk
Navitus Bay Wind Park – Survey Activities

Please be advised that Horizon Geosciences will be performing site investigation works on behalf of Navitus Bay Development Limited.

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area Covered</th>
<th>Start Timeframe &amp; Duration</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizon Geosciences</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horizon Geobay (Call Sign: 3ETG2)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. 50°33.897’N 001°43.879’W</td>
<td>4. 50°24.881’N 001°40.277’W</td>
<td>30 June 2014</td>
<td>For 21 Days</td>
</tr>
<tr>
<td>2. 50°33.882’N 001°42.484’W</td>
<td>5. 50°23.605’N 001°50.335’W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. 50°32.985’N 001°40.786’W</td>
<td>6. 50°28.024’N 001°51.276’W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For further information, please contact: Horizon Geosciences Tel: +44(0)117 329 1080 email: enquiries@horizongeosciences.com

North Cornwall – Wave Hub

Please be advised that Seatricity have confirmed their plans to sublet an area of the Wave Hub Renewable Energy Development Area for the trials of their Oceanus 2 wave energy device and an associated Wave Rider Buoy.

<table>
<thead>
<tr>
<th>Working Area</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW Corner Berth 1</td>
<td>50° 20.759’N 005° 36.693’W</td>
</tr>
<tr>
<td>NW Corner Berth 1</td>
<td>50° 21.028’N 005° 36.721’W</td>
</tr>
<tr>
<td>NE Corner Berth 1</td>
<td>50° 21.068’N 005° 36.343’W</td>
</tr>
<tr>
<td>SE Corner Berth 1</td>
<td>50° 20.801’N 005° 36.277’W</td>
</tr>
<tr>
<td>Oceanus 2 Target Position</td>
<td>50° 20.834’N 005° 36.651’W</td>
</tr>
<tr>
<td>Wave rider Buoy Target Position</td>
<td>50° 20.860’N 005° 36.600’W</td>
</tr>
</tbody>
</table>

The deployment is planned from 25th May 2014 to 10th June 2014 and the Oceanus 2 device will then remain on station for up to one year (20th May 2015).

Mariners should exercise caution when navigating in the vicinity:

Construction and operational support vessels will at times be restricted in their ability to manoeuvre and mariners are requested to give a wide berth in particular, mariners should note that in rough seas the device may submerge at times. Vessels should not attempt approach the device and could risk entanglement within 50m due to submerged buoyancy on the positional mooring lines.

For further information, please contact: David Stoddart-Scott, Seatricity Ltd, Tel: 07976593775 email: david.stoddartscott@seatricity.net
Northern Irish Wind Resource Zone – MetOcean Monitoring

On behalf of First Flight Wind Ltd, FUGRO EMU Ltd plans to undertake the second scheduled service and decommissioning of metocean monitoring equipment at one location deployed within the Northern Irish Wind Resource Zone in the week commencing Wednesday 9th July 2014 or at the earliest opportunity thereafter, weather and vessel dependent.

Equipment is currently deployed at two locations within the Northern Irish Wind Resource Zone:

- **Location 1**
  - LAT: 54°08.927’N
  - LONG: 05°43.365’W
  - Equipment comprises:
    - 2 x wave buoys (one per location)
    - 2 x cardinal marks with straight line moorings (one per location)
    - 2 x cardinal marks with L-shaped moorings complete with seabed frame (one per location)

- **Location 2**
  - LAT: 53°54.065’N
  - LONG: 05°50.227’W
  - Equipment comprises:
    - 2 x wave buoys (one per location)

Equipment is deployed for the collection of wave, tide, temperature, current, salinity and turbidity data. Equipment at Location 1 is planned to be deployed until approximately November 2015.

Servicing and data recovery from deployed equipment at Location 1, and decommissioning of deployed equipment at Location 2 is planned to take place during the week commencing Wednesday 9th July 2014, weather and vessel dependent. The scheduled works are anticipated to require a total of 2-3 days. The Vessel Details MPV Skua Call Sign: 2GDE3

At Location 1 the wave buoy and seabed frames and moorings (inclusive of accompanying cardinal mark) will be recovered and serviced. All serviced equipment will be redeployed at its current location. At Location 2 all deployed equipment will be recovered for decommissioning.

Marine users are requested to maintain a minimum clearance of 300m from the vessel during these works. A 300m clearance is also requested around all deployed equipment in order to avoid danger of damage, collision or entanglement.

For further information, please contact: Jonathan Webber, RES Offshore, Tel: +44(0)7788 313098 email: jonathan.webber@res-offshore.com
West of Duddon Sands Offshore Wind Farm – Export Cable Repair

The West of Duddon Sands offshore wind farm is a joint venture between DONG Energy West of Duddon Sands (UK) Limited and ScottishPower Renewables (WoDS) Limited.

The cable repair barge ‘Vetag 8’ along with the two support tugs ‘Mts valiant’ and ‘Multrasalvor 3’ are in Liverpool to mobilize and can be expected to arrive on site shortly in the Lune deep/Heysham lake area to repair the damaged West of Duddon sands export cable.

The repair will be in the inter-tidal area out from the landfall position at Middleton Sands between the positions:

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>54°00.597'N</td>
<td>002°55.477'W</td>
</tr>
<tr>
<td>54°00.472'N</td>
<td>002°56.366'W</td>
</tr>
</tbody>
</table>

‘Vetag 8’ accompanied by the two support tugs and using a spread of 8 anchors will first anchor at kp 1.6 (start position), the barge will be grounded at low tide. A wide berth, minimum 500 meters, is requested around ‘Vetag 8’ at all times while on site as the barge will have a wide spread of 8 anchors and passing vessels are requested to reduce speed if possible.

Vessels will keep a listening watch on vhf channels 16 & 14 and can be contacted for information relating to vessel movements only.

Construction

Dive activities from Dive Support Vessels will operate as and when required inside of the WoDS perimeter. Mariners should note that a minimum 500 meter Safety Exclusion Zone will be in force around vessels at all times whenever they are on site at any location.

All turbine foundations and transition pieces have been installed. ‘Sea Installer’ is on site fitting Tower sections, Turbines and Blades. All of the Inter-Array or Infield Cables have been surface laid and are now being buried by ‘Maersk Responder’.

The Guard Vessel for the Wind Farm site is ‘Ocean Harvester’ and this vessel can be contacted on VHF Channels 16 & 12 for information relating to vessel movements inside the Wind Farm only.

Boundary of Location Activities:

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>54°00.15'N</td>
<td>003°33.52'W</td>
</tr>
<tr>
<td>54°01.78'N</td>
<td>003°26.67'W</td>
</tr>
<tr>
<td>53°58.35'N</td>
<td>003°22.80'W</td>
</tr>
<tr>
<td>53°56.64'N</td>
<td>003°25.37'W</td>
</tr>
<tr>
<td>53°56.72'N</td>
<td>003°29.33'W</td>
</tr>
</tbody>
</table>

For a copy of the Kingfisher Awareness Flyer for the West of Duddon Sands Offshore Wind Farm, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: West of Duddon Sands Offshore Wind Farm

In case of emergency, please contact: Dan Torben Christensen, Dong Energy, Tel: +44(0)7528921388 email: danch@dongenergy.dk
Barrow Offshore Wind Farm – Diver Assisted Maintenance Programme

The 40 meter Dive Support vessel ‘MV Pollux’ is on site at the Barrow offshore wind farm and continuing with a maintenance programme involving divers at selected Turbine positions as well as at the Sub-Station.

Diving operations will be carried out at 9 of the Turbine positions as well as the Sub-Station.

Turbines where Diving operations will take place = A03, A04, A06, B02, B04, B06, C01, C06, D01 as well as the Sub-Station.

All mariners are requested to keep well clear of any of the Turbines, or the Sub-Station, where ‘MV Pollux’ can be seen to be operating and maintain a wide berth, at least 500 meters is requested although 1,000 meters is advisable.

‘MV Pollux’ will be assisted by the Wind Farm support vessel ‘SEA WEASEL’ and both vessels will keep a listening watch on VHF Channels 16, 12 & 14 and can be contacted for information relating to vessel movements only.

For further information, please contact: Tom Watson, Tel: 01253 875565, Mobile: 07903 173624

Ormonde Offshore Wind Farm – Maintenance Programme

The Self Propelled Jack-up Barge ‘Neptune’ is on site at the Ormonde wind farm and continuing with the maintenance and inspection works at selected Turbine positions.

This programme of work is expected to last for approx. 3 months and is not expected to interfere with any other vessel.

A 500 meter Safety Exclusion Zone is requested around ‘Neptune’ at all times and especially when it can be observed that the vessel is afloat and manoeuvring into position.

‘Neptune’ will move to a new Turbine position within the Wind Farm or exit without prior notification.

For further information, please contact: Tom Watson, Tel: 01253 875565, Mobile: 07903 173624

Burbo Bank 2 Offshore Wind Farm – Geotechnical Ground Investigation

A geotechnical ground investigation is scheduled to start at the proposed Burbo Bank 2 (extension) wind farm on or around Friday 4th July and is expected to run until mid-august, dependant on weather and conditions.

this geotechnical investigation will consist of a series of shallow vibrocore holes and cone penetration tests (cpts) at selected positions in the proposed wind farm footprint as well as along the proposed export cable route and will be carried out by the 22meter multi cat ‘Willendeavour’

the survey is not expected to interfere with any other vessels but a wide berth, minimum 500 meters is requested around ‘Willendeavour’ at all times whenever this vessel is on site as the vessel will be required to remain stationary for long periods while sampling.

‘Willendeavour’ will keep a listening watch on VHF Channels 16 & 12 and can be contacting for information relating to the vessels movements only.

For further information, please contact: Tom Watson, Tel: 01253 875565, Mobile: 07903 173624
For ‘live’ Kingfisher updates of all Cable & Wind Farm activities, please visit www.kis-orca.eu

Gwynt y Môr Offshore Wind Farm – Construction Activities

The Gwynt y Môr Offshore Wind Farm Project is located between 15km to 20km off the coast of North Wales in the Liverpool Bay area of the Irish Sea. It is adjacent to RWE Innogy’s North Hoyle and Rhyl Flats offshore wind farms. The consented site covers an area of 124km². The water depth ranges from 12m to 28m LAT.

The cable maintenance vessel ‘Ndurance’ will be commencing operations at the Gwynt y Mor Offshore Wind Farm from circa 10th June 2014 and works are expected to last approx 6 weeks.

During this period, the vessel will require a wide berth of 500m at all times and can be contacted on VHF channel 16 or DIGIpool 1.

The survey vessel ‘RRS Ernest Shackleton’ will be commencing survey operations at various locations at the Gwynt y Mor Offshore Wind Farm from 30th May 2014 until further notice. Whilst engaged in survey operations within the boundary of the Gwynt y Mor Offshore Wind Farm, the vessel will require a wide berth and can be contacted on VHF channel 16 as well as DIGIpool 1.

Wind Farm Construction Status

- **Monopiles**: 160 installed. Monopile installation is complete.
- **Transition pieces**: 160 installed. Transition piece installation is complete
- **Export cables**: 4 export cables installed; installation is complete.
- **Array cables**: 119 array cables installed, 42 remaining.
- **Wind Turbine Generators**: 160 installed, 0 remaining.

Work planned for next 7 days

- **Wind Solution** will remain at anchor position to the south of Gwynt y Môr, sailing into Liverpool for shelter as required.
- **Sea Worker** will continue with wind turbine installation.
- **Scirocco, Galion, Abersoch Bay, Gardian 10, Santa Ana, Sea Storm, Sea Breeze, EMS Viking, Chinoak, Bayard 2 and Bayard 5** will be utilised as Crew Transfer Vessels when required sailing from Canada Dock 3 and Liverpool Marina.
- **Penrhyn Bay, Colwyn Bay, Caernarfon Bay, Gardian, Gardian 2, Iceni Defiant, Athena, Adventure, Endeavour, Buzzard, Captain P, Commodore P, Kimmel Bay, Cymyran Bay, Aberdaron Bay and Iceni Victory** sailed from the Port of Mostyn as required.
- **Penhros Bay & Tremadoc Bay** are on 24 hour cover and being utilised by the Emergency Rescue Team sailing from RWE Pontoon Birkenhead.
- **MCS Zephyr, Developer, Transporter, Commander P and Cwind Alliance** sailed from Huskissons Dock as required to assist with cable operations.
- **Normand Tonjer** will continue diving operations including work with the Polar Prince to aid installation of array cables.
- **HBC Supporter** will continue diving operations.
- **Isadale** will continue performing guard duties and will be used as the Marine Mammal Observation vessel as and when required.
- **Channel Chieftain VII, Cwind Challenger and Cwind Resolution** will continue refuelling operations on site based from Mostyn.
- **Cable vessel Sia** will continue operations on site.
- **Polar Prince** will continue array cable installation with Polar King (see notice to mariners here) assisted by CTVs Rix Panther and Rix Tiger.
- **Fugro Saltaire** will continue trenching & survey operations at Gwynt y Môr Offshore Wind Farm.
- **Survey vessel Line** will continue surveying operations.
- **Survey vessels Confidante and RV Discovery** will continue UXO survey operations (see notice to mariners here).
- **DSV Red7 Tonjer** will continue with diving operations, assisting Polar Prince as required.
- **DSV Toisa Vigilant** will continue diving operations at the windfarm.

For a copy of the Kingfisher Awareness Flyer for the Gwynt Y Mor Offshore Wind Farm, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

For further information, please contact: Lee Cornwell, RWE npower renewables, Mob: +44 (0) 7557 319473, Email: lee.comwell@rwe.com

Kingfisher Awareness Flyer: Gwynt Y Mor Offshore Wind Farm

14 of 15
Robin Rigg Offshore Wind Farm – Hazard / Plotter Files / Operations

The Maintenance Programme which involves the transfer of technicians out to selected Turbines by Crew Transfer/Secondary Work Vessels is continuing on a daily basis.

None of this work is expected to interfere with any other vessels and all of the work will be dependent on weather and conditions.

Three Personnel/Crew Transfer Vessel vessels ‘Rhoscolyn Head’, ‘Solway Challenger’ and ‘Porth wen’ have joined the two vessels already in service, ‘Solway spirit’ and ‘Windcat 3’, and a wide berth is requested around these vessels at all times while on site but all mariners, especially fishermen, are requested to keep a wide berth from any Turbine where it can be observed that these vessels are working.

For a copy of the Kingfisher Awareness Flyer for the Robin Rigg Offshore Wind Farm or Fishing Plotter CD, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: Robin Rigg Offshore Wind Farm
Kingfisher Fishing Plotter CD: Robin Rigg Offshore Wind Farm

For further information, please contact: Tom Watson, Tel: 01253 875565, Mob: 07903 173 624