

## Notice of Activities Associated with the Development of Beatrice Offshore Wind Farm

Date of Issue	08th March 2018	Notice Number	LF000005-NTM-039-Rev01
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Please promulgate the following as a Notice to Mariners:

### Pre-Lay Grapnel Run and Inter-Array Cable, Second Installation Campaign

#### 1. Contact details for Marine Coordination

The following contact can provide more information if required. Please note that specific queries can also be addressed to the relevant vessel or shore based representative.

BOWL Marine Coordinator  
 Beatrice Offshore Windfarm Limited  
 Unit 1  
 Harbour Office  
 Wick  
 Caithness  
 KW1 5HA

email: [mc.bowl@sse.com](mailto:mc.bowl@sse.com)  
 phone: +44 (0) 3302020329  
 web site: [www.beatricewind.com](http://www.beatricewind.com)

#### 2. Area of Planned Activity

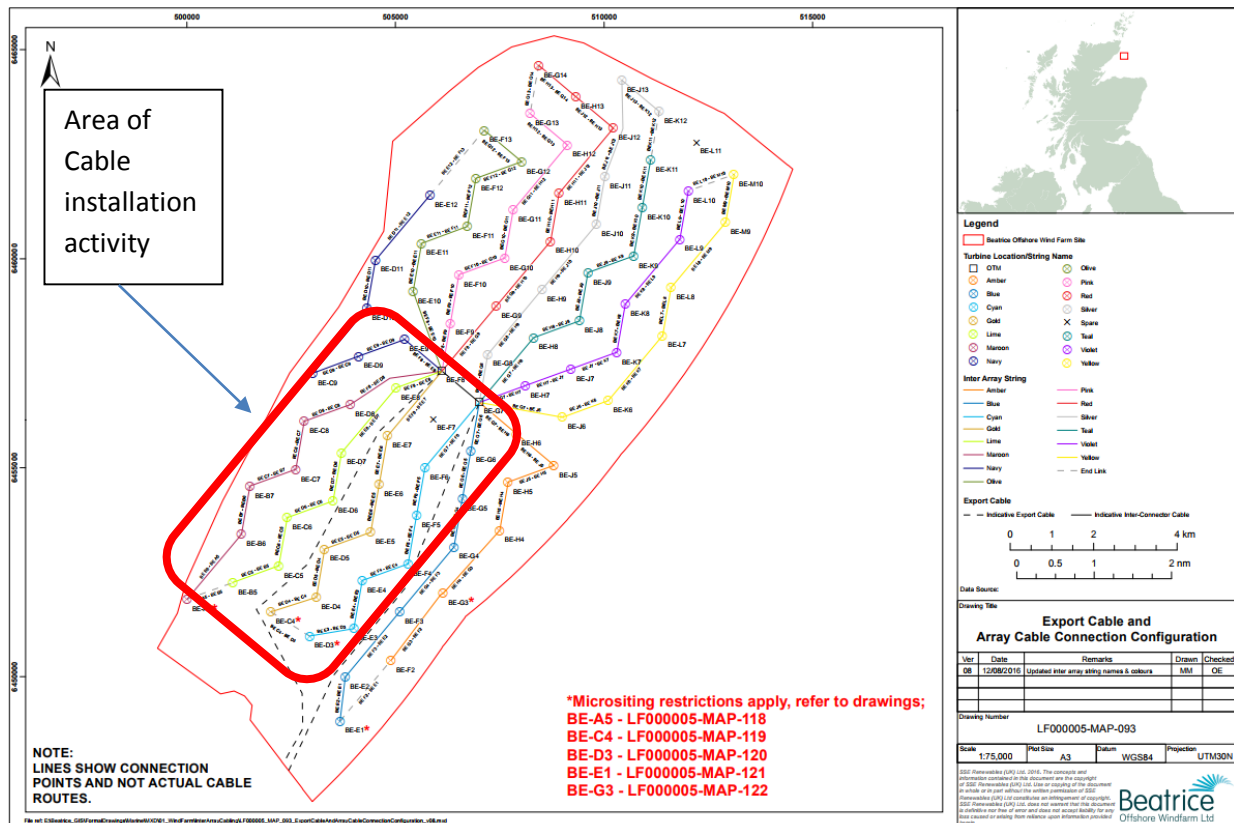


Fig 1 Area of Cable installation activity

# NOTICE TO MARINERS

## 3. Activity Description

On behalf of Seaways Heavy Lifting, The CLV Siem Aimery will install up to 34 Inter Array Cables during the second cable installation campaign. Prior to installation, cable routes will be cleared of any surface debris by performing a pre-lay grapnel run (PLGR). The cables will be laid and buried between the Wind Turbine Generators (WTG) & Offshore Transformer Module (OTM) foundations listed below. Cable burial will be undertaken by a tracked jet trencher launched from the Siem Aimery. Three trenching trial cables will be surface laid and secured by clump weights. These trial cables will be trenched/recovered during the third cable installation campaign during July/August 2018. The sequence below is indicative only and subject to amendment. Sixteen (16) cables were laid and buried during campaign 1 in Nov/Dec 2017

The CSV Siem Barracuda will support inter-array cable installation activities in the south-west and central areas of the Beatrice wind farm, working in parallel with the CLV Siem Aimery. The Siem Barracuda will undertake the following worksopes; personnel transfer to WTG foundations by Ampelmann Gangway; crane operations to transfer equipment to/from WTG foundations and Offshore Transformer Modules (OTMs); work class ROV activities at the seabed in the vicinity of WTG foundations and OTMs; and survey activities along the planned inter-array cable routes linking the appropriate WTG foundations/OTMs as tabulated below.

### Installation Sequence – Positions referenced to WGS 84

Installation Sequence	Cable Name	Seabed Route-length (m)	Latitude Start	Longitude Start	Latitude Finish	Longitude Finish
17	BE-E3-BE-D3	1300.7	58°12.084 N	2°55.908 W	58°11.999 N	2°56.974 W
18	BE-D3-BE-C4	1419.8	58°12.010 N	2°56.975 W	58°12.318 N	2°57.918 W
19	BE-E5-BE-D5	1354.3	58°13.327 N	2°55.488 W	58°13.124 N	2°56.615 W
20	BE-E6-BE-E5	1235.9	58°13.948 N	2°55.279 W	58°13.340 N	2°55.490 W
21	BE-D4-BE-C4	1253.0	58°12.491 N	2°56.821 W	58°12.329 N	2°57.920 W
22	BE-D5-BE-D4	1233.6	58°13.112 N	2°56.611 W	58°12.503 N	2°56.824 W
23	BE-D7-BE-D6	1257.0	58°14.353 N	2°56.196 W	58°13.744 N	2°56.406 W
24	BE-E8-BE-D7	2086.7	58°14.366 N	2°56.198 W	58°15.189 N	2°54.862 W
25	BE-D6-BE-C6	1300.5	58°13.733 N	2°56.405 W	58°13.529 N	2°57.531 W
26	BE-C6-BE-C5	1257.8	58°13.517 N	2°57.529 W	58°12.908 N	2°57.740 W
27	BE-C5-BE-B5	1291.4	58°12.896 N	2°57.736 W	58°12.693 N	2°58.863W
28	BE-J7-BE-K7	1291.5	58°15.439 N	2°50.574 W	58°15.642 N	2°49.445 W
29	BE-H7-BE-J7	1289.3	58°15.224 N	2°51.698 W	58°15.428 N	2°50.572 W
30	BE-C8-BE-C7	1231.2	58°14.760 N	2°57.110 W	58°14.150 N	2°57.322 W
31	BE-C7-BE-B7	1334.5	58°14.139 N	2°57.320 W	58°13.936 N	2°58.445 W
32	BE-D8-BE-C8	1346.3	58°14.975 N	2°55.985 W	58°14.772 N	2°57.113 W
33	BE-B7-BE-B6	1232.9	58°13.923 N	2°58.443 W	58°13.314 N	2°58.654 W
34	BE-K6-BE-L7	2087.5	58°15.033 N	2°49.659 W	58°15.856 N	2°48.319 W
35	BE-E9-BE-D9	1351.8	58°15.811 N	2°54.651 W	58°15.609 N	2°55.780 W

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36	BE-J6-BE-K6	1301.9	58°14.819 N	2°50.784 W	58°15.021 N	2°49.656 W
37	OTM1 -BE-H6	1624.4	58°14.995 N	2°52.838 W	58°14.592 N	2°51.907 W
38	OTM1 -BE-F6	2052.5	58°15.004 N	2°52.849 W	58°14.175 N	2°54.158 W
39	OTM1 -BE-G6	1261.5	58°14.995 N	2°52.841 W	58°14.389 N	2°53.033 W
40	OTM2 -BE-E7	2023.3	58°15.403 N	2°53.760 W	58°14.584 N	2°55.075 W
41	OTM2 -BE-E8	1146.7	58°15.412 N	2°53.765 W	58°15.201 N	2°54.865 W
42	BE-H8-BE-J8	1292.3	58°15.846 N	2°51.487 W	58°16.049 N	2°50.359 W
43	OTM1 -BE-H7	1327.2	58°15.000 N	2°52.817 W	58°15.213 N	2°51.696 W
44	OTM1 -BE-H8	2116.7	58°15.009 N	2°52.822 W	58°15.834 N	2°51.484 W
45	OTM2 -BE-D8	2375.6	58°15.414 N	2°53.766 W	58°14.987 N	2°55.989 W
46	OTM1 -BE-J6	2320.0	58°14.997 N	2°52.820 W	58°14.806 N	2°50.781 W
47	OTM2 -BE-E9	1462.4	58°15.407 N	2°53.733 W	58°16.025 N	2°53.526 W
48	BE-L7-BE-L8	1249.0	58°15.868 N	2°48.322 W	58°16.477 N	2°48.108 W
49	BE-D9-BE-C9	1462.4	58°15.596 N	2°55.777 W	58°15.381 N	2°56.901 W
50	BE-C9-BE-D10	2084.4	58°15.393 N	2°56.904 W	58°16.214 N	2°55.570 W
*Trial 1	BE-A6-BE-B5	~100m	58°12.704 N	2°59.391 W	58°12.701 N	2°59.461 W
*Trial 2	BE-H11-BE-J12	~100m	58°18.042 N	2°50.221 W	58°18.122 N	2°50.085 W
*Trial 3	BE-J11-BE-J13	~150m	58°18.166 N	2°49.490 W	58°18.217 N	2°49.458 W

\*Activity undertaken on part of route only.

#### 4. Vessels Associated with the activity

On behalf of BOWL, Seaway Heavy Lifting will deploy two vessels to carry out the aforementioned work during the period 10/03/2018 – 21/05/2018.

The vessel conducting the Cable Installation operation is the CLV Siem Aimery.

CLV Siem Aimery	
<b>General Description and Dimensions:</b>	Length overall 95.3 m Breadth moulded 21.5 m Draft max. 7.2 m
<b>Call Sign:</b>	LATX7
<b>MMSI:</b>	258182000
<b>On Board Contact:</b>	V-Sat phone: +44 203 1454 129
<b>Offshore Manager / Party Chief:</b>	Captain Direct: +44 203 1454 122 / <a href="mailto:captain@aimery.siemoffshore.com">captain@aimery.siemoffshore.com</a>
<b>E-mail:</b>	<a href="mailto:bridge@aimery.siemoffshore.com">bridge@aimery.siemoffshore.com</a>
<b>Onshore Representative:</b>	Majbritt Pauladottir, +47 95 93 60 32, <a href="mailto:mpa@siemoffshore.com">mpa@siemoffshore.com</a>

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## Siem Barracuda will provide support to Cable Installation operations

CSV Siem Barracuda	
<b>General Description and Dimensions:</b>	Length overall 121m Breadth moulded 22m Draft max. 7m
<b>Call Sign:</b>	5BZQ3
<b>MMSI:</b>	212253000
<b>On Board Contact:</b>	V-Sat phone: +47 23 96 06 82
<b>Offshore Manager / Captain:</b>	+47 989 06 307
<b>E-mail:</b>	<a href="mailto:captain@barracuda.siemoffshore.com">captain@barracuda.siemoffshore.com</a>
<b>Onshore Representative:</b>	Audun Oien, + 47 38 600 460, <a href="mailto:Audun.Oien@siemoffshore.com">Audun.Oien@siemoffshore.com</a>



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## 5. General Safety Advice

All vessels engaged in the construction activity will exhibit appropriate lights and shapes prescribed by the International Regulations for Preventing Collisions at Sea; relative to their operations. All vessels engaged in the activity will also transmit an Automatic Identification System (AIS) message.

### Use of Safety Zones within the Beatrice Offshore Windfarm Construction Area

The Secretary of State for Business, Energy and Industrial Strategy (BEIS) has approved the use of safety zones under the *Energy Act 2004* for the installation of wind turbines and offshore transformer module foundations/substructures within the Beatrice Offshore Windfarm. The approval was granted on the 17<sup>th</sup> March 2017.

The Secretary of State has declared safety zones under the following terms:

#### During Construction

- 500 metres radius around each wind turbine, offshore transformer module and/or their substructures and foundations comprising the Beatrice Offshore Wind Farm whilst work is being performed as indicated by the presence of construction vessels.
- (It is noted that the 500 metre safety zones will roll with the installation activity with no more than two construction vessels working at any one time. Vessels are advised that anchors associated with the construction vessels may extend outside of the 500 metre safety zone.)
- A 50 metres radius around each wind turbine, offshore transformer module and/or their substructure and foundations installed but waiting to be commissioned as part of the Beatrice Offshore Wind Farm.
- Positions of foundations installed will be promulgated within the Weekly Notice of Operations.

Only vessels associated with the Beatrice Offshore Wind Farm construction may enter statutory safety zones with prior permission.

The duty Guard Vessels and Marine Coordination centre will be responsible for monitoring and policing the safety zones; and can be contacted directly for advice.

Further information on the application of safety zones can be obtained from the Marine Coordinator.

Users are advised to keep clear of construction activities, including safety zones, within the Beatrice Offshore Windfarm construction area in line with Marine Guidance Note 372.

ALL VESSELS ARE REQUESTED to give all construction and support vessels a wide berth.

MARINERS ARE REMINDED to navigate with caution and keep continued watch on VHF Ch. 70 / 16 when navigating the area.

## 6. Dedicated Guard Vessel

At present the Guard Vessels in place at Beatrice Offshore Windfarm Development Site include the Seagull BF72 and Artemis INS564.

Currently Guard Vessels rotate every 21 days with two permanently on location and can be contacted on VHF Ch. 16.



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Updates on Guard Vessels on location will be promulgated within the Weekly Notice of Operations.

## **7. Fisheries Liaison**

Fisheries liaison associated with the activity will be co-ordinated by Brown and May Marine.. For any commercial fishery queries please contact: Alex Winrow-Giffin, telephone: +44 (0)1379 872144 and mobile: +44 (0)7760 160039.

## **8. Distribution List**

The distribution of this notice is as per email recipient's header. A central list of recipients is maintained by the Marine Coordinator; if you are not the appropriate recipient of these notices, or do not wish to receive the notices in the future, please contact us at the address included in Section 1 of this notice.

A copy of this notice can also be found at <https://www.beatricewind.com/>