

EAST ANGLIA THREE

Notice to Mariners

NTM-0048/2024

Commencement of Construction of East Anglia Three Offshore Windfarm

Prepared by:	Checked by:	Approved by:
Conner Adams Lead Marine coordinator	Anthony Milligan Marine Assurance Manager	Jamie Poulson Offshore Installation Manager

Revision Summary				
Rev	Date	Prepared by	Checked by	Approved by
1	06/09/2024	Marine Coordinator	Marine Assurance Manager	Offshore Installation Manager

Description of Revisions			
Rev	Page	Section	Description
1			New Document

TABLE OF CONTENTS

1. MARINE ACTIVITIES	4
1.1. Summary	4
1.2. Activity Description	4
1.3. Programme Schedule	4
1.4. Vessel Details:	5
2. CHARTS AFFECTED	5
3. ACTIVITY AREA.....	6
3.1. Wind Turbine Generator Positions.....	6
3.2. East Anglia Three OSP Location.....	10
3.3. East Anglia Three Export Cable Rout.....	10
4. Construction Markers	11
5. PROJECT CONTACT DETAILS	12
5.1. Site Management:	12
5.2. Emergency Contact:.....	12
6. NOTICE TO MARINERS' DISTRIBUTION LIST	13

1. MARINE ACTIVITIES

1.1. Summary

Mariners are advised that from circa **1st of November 2024** East Anglia Three offshore wind farm construction works will commence.

East Anglia THREE will be a large offshore wind farm, located 69 km off the Norfolk coast. With a projected capacity of approximately 1400MW, the wind farm shall supply electricity to approximately one million UK homes. Onshore construction for the project started in July 2022.

1.2. Activity Description

By use of multiple specialized offshore vessels, 1 Offshore Converter station (OFCS) & 95 offshore wind turbine generators (WTGs) will be installed within the East Anglia Three site boundary set out in section 2 along with the associated inter array and export cables. The generated power will be transmitted via an installed External Cable (EC) from the OFCS to a shore side substation located in Bramford

1.3. Programme Schedule

Commencement of Construction - Area of Operations

Subsea Boulder clearance will be the first licensed construction activity to commence within the Wind Farm Area and is scheduled to start on the **01/11/2024**. Operations will be undertaken within the boundaries of EA3 Offshore Wind Farm area shown in Table 3.

Vessels are requested to remain at least 500 metres away from all vessels involved in construction and static fishing gear is requested to be removed from the construction area shown in Table 3.2. Notice to mariners will be distributed prior to the commencement of operations to give notice of any planned works.


It is currently anticipated that weather permitting, offshore construction works will be carried out year-round and on a continuous basis (i.e., 24-hour working, seven days a week) unless notified otherwise.

The East Anglia Three Construction Programme details the full construction schedule associated with the Development and provides further information on the key construction periods relevant to the vessels as detailed. This document is available here; [East Anglia THREE - ScottishPower Renewables](#)


The vessels involved in the construction works will be working intermittently within the boundaries of the EA3 Offshore Wind Farm area and Export cable routes. A weekly Notice of Operations will be issued every Monday during construction, with the aim of providing a view of all activities and vessels involved.

1.4. Vessel Details:

Vessel Details	
Name of vessel:	Glomar Wave
Call Sign:	3FXF4
MMSI No:	356301000
On Board Contact Details:	Mob: +31620951974 Email: bridge@glomarwave.com
Port of operation	Great Yarmouth



Vessel Details	
Name of vessel:	Rockpiper
Call Sign:	5BML3
MMSI No:	209449000
On Board Contact Details:	Mobile: +31788080273 Email: rockpipercaptain@boskalis.com
Port of operation	Stavanger



During construction any additional vessels joining the project will be communicated via future Notice to Mariners.

2. CHARTS AFFECTED

Charts affected (If Applicable):
<ul style="list-style-type: none"> 4140: North Sea
<ul style="list-style-type: none"> 1631: DW Routes to Ijmuiden and Texel
<ul style="list-style-type: none"> 1408: Harwich & Rotterdam to Cromer & Terschelling
<ul style="list-style-type: none"> 1504: Cromer to Orford Ness
<ul style="list-style-type: none"> 2182A: North Sea Southern Sheet
<ul style="list-style-type: none"> 2: British Isle's

3. ACTIVITY AREA

3.1. Wind Turbine Generator Positions

ID	Latitude North WGS84 (Degrees, Minutes)	Longitude East WGS84 (Degrees, Minutes)
A02	52° 32' 11.75" N	002° 45' 46.81" E
A03	52° 32' 49.05" N	002° 45' 44.89" E
A04	52° 33' 26.19" N	002° 45' 46.41" E
A05	52° 34' 03.41" N	002° 45' 46.20" E
A06	52° 34' 40.63" N	002° 45' 46.01" E
A07	52° 35' 17.84" N	002° 45' 45.81" E
A08	52° 35' 55.06" N	002° 45' 45.60" E
A09	52° 36' 32.28" N	002° 45' 45.40" E
A10	52° 37' 09.50" N	002° 45' 45.20" E
A11	52° 37' 46.72" N	002° 45' 45.00" E
A12	52° 38' 23.93" N	002° 45' 44.80" E
A14	52° 39' 38.37" N	002° 45' 44.39" E
A15	52° 40' 15.59" N	002° 45' 44.19" E
A16	52° 40' 52.81" N	002° 45' 43.99" E
A17	52° 41' 30.02" N	002° 45' 43.79" E
A18	52° 42' 07.24" N	002° 45' 43.59" E
A19	52° 42' 44.46" N	002° 45' 43.38" E
B01	52° 31' 41.25" N	002° 48' 15.12" E
B02	52° 32' 19.39" N	002° 48' 12.84" E
B03	52° 32' 56.58" N	002° 48' 10.54" E
B04	52° 33' 33.77" N	002° 48' 08.24" E

B05	52° 34' 09.91" N	002° 48' 04.29" E
B06	52° 34' 48.16" N	002° 48' 03.64" E
B07	52° 35' 25.35" N	002° 48' 01.34" E
B08	52° 36' 02.54" N	002° 47' 59.04" E
B09	52° 36' 39.74" N	002° 47' 56.74" E
B10	52° 37' 16.93" N	002° 47' 54.43" E
B11	52° 37' 54.12" N	002° 47' 52.13" E
B12	52° 38' 31.31" N	002° 47' 49.82" E
B14	52° 39' 45.69" N	002° 47' 45.20" E
B15	52° 40' 22.89" N	002° 47' 42.89" E
B16	52° 41' 00.08" N	002° 47' 40.58" E
B17	52° 41' 37.27" N	002° 47' 38.27" E
B18	52° 42' 14.46" N	002° 47' 35.95" E
B19	52° 42' 51.65" N	002° 47' 33.64" E
B20	52° 43' 28.84" N	002° 47' 31.32" E
B21	52° 44' 07.39" N	002° 47' 28.92" E
C03	52° 33' 05.57" N	002° 50' 45.61" E
C04	52° 33' 42.49" N	002° 50' 40.28" E
C06	52° 34' 56.64" N	002° 50' 29.57" E
C07	52° 35' 33.72" N	002° 50' 24.21" E
C08	52° 36' 10.79" N	002° 50' 18.84" E
C11	52° 38' 02.01" N	002° 50' 02.74" E
C12	52° 38' 39.09" N	002° 49' 57.37" E
C13	52° 39' 16.16" N	002° 49' 51.99" E

C15	52° 40' 30.31" N	002° 49' 41.23" E
C16	52° 41' 06.15" N	002° 49' 34.21" E
C17	52° 41' 44.46" N	002° 49' 30.46" E
C18	52° 42' 21.53" N	002° 49' 25.07" E
C19	52° 42' 58.61" N	002° 49' 19.68" E
C20	52° 43' 35.68" N	002° 49' 14.29" E
C21	52° 44' 12.76" N	002° 49' 08.89" E
D06	52° 35' 05.20" N	002° 52' 27.77" E
D07	52° 35' 41.69" N	002° 52' 21.72" E
D08	52° 36' 18.79" N	002° 52' 16.84" E
D09	52° 36' 55.89" N	002° 52' 11.97" E
D10	52° 37' 32.99" N	002° 52' 07.09" E
D11	52° 38' 10.09" N	002° 52' 02.21" E
D12	52° 38' 47.19" N	002° 51' 57.32" E
D13	52° 39' 24.29" N	002° 51' 52.44" E
D15	52° 40' 38.44" N	002° 51' 41.76" E
D16	52° 41' 15.46" N	002° 51' 35.48" E
D17	52° 41' 52.48" N	002° 51' 29.19" E
D18	52° 42' 29.50" N	002° 51' 22.89" E
D19	52° 43' 06.52" N	002° 51' 16.60" E
D20	52° 43' 43.55" N	002° 51' 10.30" E
D21	52° 44' 20.57" N	002° 51' 04.00" E
E10	52° 37' 42.18" N	002° 54' 42.46" E
E11	52° 38' 19.83" N	002° 54' 32.72" E

E12	52° 38' 57.40" N	002° 54' 26.39" E
E13	52° 39' 34.25" N	002° 54' 17.79" E
SPARE	52° 40' 11.10" N	002° 54' 09.20" E
E15	52° 40' 47.94" N	002° 54' 00.60" E
E16	52° 41' 24.79" N	002° 53' 51.99" E
SPARE	52° 42' 01.64" N	002° 53' 43.38" E
SPARE	52° 42' 38.49" N	002° 53' 34.77" E
SPARE	52° 43' 15.34" N	002° 53' 26.16" E
E20	52° 43' 52.19" N	002° 53' 17.54" E
E21	52° 44' 29.23" N	002° 53' 06.50" E
F13	52° 39' 42.72" N	002° 56' 26.00" E
F14	52° 40' 19.71" N	002° 56' 19.18" E
F15	52° 40' 56.69" N	002° 56' 12.35" E
F16	52° 41' 33.68" N	002° 56' 05.53" E
F17	52° 42' 10.67" N	002° 55' 58.69" E
F18	52° 42' 47.48" N	002° 55' 54.35" E
F19	52° 43' 24.64" N	002° 55' 45.02" E
F20	52° 44' 01.62" N	002° 55' 38.18" E
F21	52° 44' 38.61" N	002° 55' 31.33" E
F22	52° 45' 15.59" N	002° 55' 24.49" E
G16	52° 41' 41.92" N	002° 58' 08.55" E
G17	52° 42' 18.91" N	002° 58' 01.75" E
SPARE	52° 42' 54.21" N	002° 57' 59.01" E
G19	52° 43' 32.89" N	002° 57' 48.13" E

G20	52° 44' 09.88" N	002° 57' 41.32" E
G21	52° 44' 46.86" N	002° 57' 34.50" E
G22	52° 45' 23.85" N	002° 57' 27.68" E
H19	52° 43' 41.07" N	002° 59' 51.23" E
H20	52° 44' 16.64" N	002° 59' 45.35" E
H21	52° 44' 54.11" N	002° 59' 38.90" E
H22	52° 45' 32.07" N	002° 59' 30.86" E

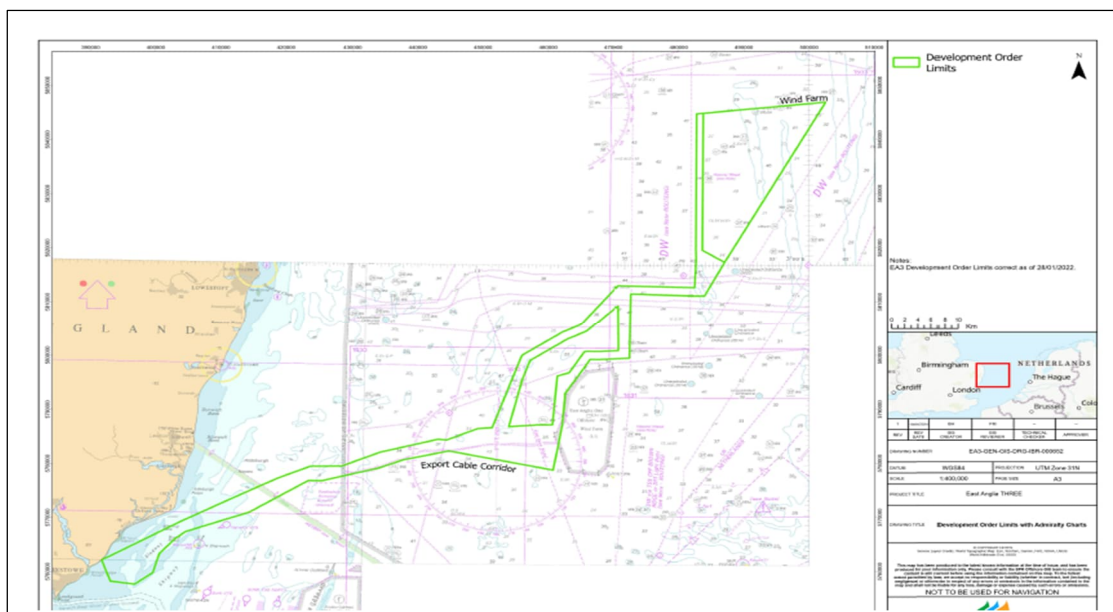
3.2. East Anglia Three OSP Location

Location	Latitude (DD.MM.MMM)	Longitude (DD.MM.MMM)
OFCS	52° 40' 14.53" N	002° 51' 45.82" E

3.3. East Anglia Three Export Cable Route
















Location	Latitude	Longitude
East Anglia Three Export Cable Route	TBC	TBC

Figure showing Map/chart of the area:



4. CONSTRUCTION MARKERS

Construction markers are planned to be installed demarking the boundary of East Anglia three offshore construction boundary. Below are the planned locations. As laid positions will be notified via additional notice to mariners.

	West Cardinal Buoy, with a focal plane of 3-5 Metres (m), in position Lat 52° 31.814'N., Long 002° 45.153'E Pillar shaped with a west cardinal shaped top mark, exhibiting a Q (9) 15s light character.
	Special Mark Buoy, with a focal plane of 3-5 m, in position Lat 52° 34.638'N., Long 002° 44.895'E Pillar shaped with a yellow 'x' shaped top mark, exhibiting a FI Y 5s light character.
	West Cardinal Buoy, with a focal plane of 3-5 m, in position Lat 52° 37.466'N., Long 002° 44.872'E Pillar shaped with a west cardinal shaped top mark, exhibiting a V Q (9) 10s light character.
	Special Mark Buoy, with a focal plane of 3-5 m, in position Lat 52° 40.295'N., Long 002° 44.849'E Pillar shaped with a yellow 'x' shaped top mark, exhibiting a FI Y 5s light character
	West Cardinal Buoy, with a focal plane of 3-5 m, in position Lat 52° 43.123'N., Long 002° 45.093'E Pillar shaped with a west cardinal shaped top mark, exhibiting a Q (9) 15s light character.
	Special Mark Buoy, with a focal plane of 3-5 m, in position Lat 52° 44.640'N., Long 002° 47.484'E Pillar shaped with a yellow 'x' shaped top mark, exhibiting a FI Y 5s light character.
	North Cardinal Buoy, with a focal plane of 3-5 m, in position Lat 52° 45.499'N., Long 002° 50.962'E Pillar shaped with a north cardinal shaped top mark, exhibiting a Q light character.
	Special Mark Buoy, with a focal plane of 3-5 m, in position Lat 52° 45.708'N., Long 002° 55.556'E Pillar shaped with a yellow 'x' shaped top mark, exhibiting a FI Y 5s light character.
	North Cardinal Buoy, with a focal plane of 3-5 m, in position Lat 52° 45.917'N., Long 003° 00.151'E Pillar shaped with a north cardinal shaped top mark, exhibiting a V Q light character.
	East Cardinal Buoy, with a focal plane of 3-5 m, in position Lat 52° 43.685'N., Long 003° 00.745'E Pillar shaped with an east cardinal shaped top mark, exhibiting a Q (3) 10s light character.
	Special Mark Buoy, with a focal plane of 3-5 m, in position Lat 52° 40.790'N., Long 002° 59.023'E Pillar shaped with a yellow 'x' shaped top mark, exhibiting a FI Y 5s light character.
	East Cardinal Buoy, with a focal plane of 3-5 m, in position Lat 52° 38.166'N., Long 002° 56.532'E Pillar shaped with an east cardinal shaped top mark, exhibiting a V Q (3) 5s light character.
	Special Mark Buoy, with a focal plane of 3-5 m, in position Lat 52° 35.542'N., Long 002° 54.044'E Pillar shaped with a yellow 'x' shaped top mark, exhibiting a FI Y 5s light character.
	East Cardinal Buoy, with a focal plane of 3-5 m, in position Lat 52° 32.917'N., Long 002° 51.558'E Pillar shaped with an east cardinal shaped top mark, exhibiting a Q (3) 10s light character.
	South Cardinal Buoy, with a focal plane of 3-5 m, in position Lat 52° 31.148'N., Long 002° 48.252'E Pillar shaped with a south cardinal shaped top mark, exhibiting a V Q (6) + L FI 10s light character.

5. PROJECT CONTACT DETAILS

The following contact can provide relevant information if required. Please note that any specific queries can be addressed to the relevant shore-based representatives.

5.1. Site Management:

Marine Coordinator	
Name	EA3 MCC
Contact Telephone Number	+44 (0) 1416144821
Email Address	EA3_MCC@scottishpower.com
Address	Orbis Energy, Wilde Street, Lowestoft, NR32 1XH

Offshore installation Manager	
Name	EA3 OIM
Contact Telephone Number	+44 (0) 7960 608 666
Email Address	ea3_oim@scottishpower.com
Address	Orbis Energy, Wilde Street, Lowestoft, NR32 1XH

5.2. Emergency Contact:

Emergency contact	
Name	EA3 MCC
Contact Telephone Number	Emergency Tel +44 (0) 141 6144822
Email Address	EA3_MCC@scottishpower.com
Address	Orbis Energy, Wilde Street, Lowestoft, NR32 1XH

6. NOTICE TO MARINERS' DISTRIBUTION LIST

A list of recipients for the Notice to Mariners is kept by the Project Team. If you wish to be added to this list, please contact the personnel whose contact details are set out within section 3 of this Notice.

Contact	Email Address
The Crown Estate	consents@thecrownestate.co.uk
Marine Management Organisation	marine.consents@marinemanagement.org.uk
Marine Management Organisation	info@marinemanagement.gov.uk
Kingfisher	kingfisher@seafish.co.uk
Local Marine Management Organisation Office	lowestoft@marinemanagement.org.uk
Inshore Fisheries and Conservation Authority	mail@eastern-ifca.gov.uk
Trinity House	navigation.directorate@this.org
Trinity House	navigation@trinityhouse.co.uk
Maritime and Coastguard Agency	navigationsafety@mcga.gov.uk
United Kingdom Hydrographic Office	navwarnings@ukho.gov.uk
United Kingdom Hydrographic Office	sdr@ukho.gov.uk
United Kingdom Hydrographic Office	offshore.energy@ukho.gov.uk
National Federation of Fishermen's Organisations	nffo@nffo.org.uk
National Coastguard	nmoccontroller@hmcg.gov.uk
Centre for Environment, Fisheries and Aquaculture Science	renewables@cefas.co.uk
Local Coastguard	renewables@hmcg.gov.uk
Scottish Power Renewables Contact	Email Address
Scottish Power Renewables	Athoms@scottishpower.com
Scottish Power Renewables	DGreen@scottishpower.com
Scottish Power Renewables	jpoulson@scottishpower.com
Scottish Power Renewables	amilligan@scottishpower.com
Scottish Power Renewables	Mwooltorton@scottishpower.com
Scottish Power Renewables	Mgregory@scottishpower.com
Scottish Power Renewables	Ea3_mcc@scottishpower.com
Scottish Power Renewables	Ea3_oim@scottishpower.com
Scottish Power Renewables	Marine@scottishpower.com
Scottish Power Renewables	Jyoung@scottishpower.com
Scottish Power Renewables	Jodum@scottishpower.com
Scottish Power Renewables	Fmurdoch@scottishpower.com
Scottish Power Renewables	Eahub_construction@scottishpower.com
Scottish Power Renewables	Mmasters@scottishpower.com
Scottish Power Renewables	r.stocks@scottishpower.com