

Date of issue:	09/06/20
Subject:	Neart na Gaoithe Offshore Wind Farm: Notice of Commencement of Offshore Construction
NtM number:	115
Revision:	1
Author:	Claire Gilchrist, NnGOWL Offshore Consents Manager (claire.gilchrist@nngoffshorewind.com)

Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) will commence construction work for Neart na Gaoithe (NnG) Offshore Wind Farm, from the 9th August 2020, with the start of casing and pile installation operations on the wind farm site as described further below.

NnGOWL is developing the NnG Offshore Wind Farm, jointly owned by EDF Renewables and ESB, which is located in the outer Firth of Forth, Scotland. The NnG wind farm area is 15 km east off Fife Ness and 29 km from the East Lothian coastline and covers an area of 105 km²; as seen in Figure 1 overleaf.

The wind farm consists of 54 no. wind turbines (WTGs) and 2 no. Offshore Substation Platforms (OSPs), with a total capacity of approximately 450 MW. Water depths across the offshore wind farm area generally range from 40 to 60 m below LAT. The generated power will be transmitted to the grid via two subsea export cable circuits which will reach landfall at Thorntonloch Beach, East Lothian, Scotland. Specific details and location of activities within the Wind Farm Area and Export Cable Corridor will be provided via subsequent notices as work progresses.

Marine Coordination Contact Details

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.

Telephone number (daytime):	+44 (0) 1890 751415 (use Emergency contact only until further notice)
Emergency contact (24/7):	+44 (0) 7508 421406
Email:	nng.mc@smchse.com
Address:	NnG Offshore Wind Farm Marine Coordination Centre, Gunsgreen Basin, Eyemouth, TD14 5SD

Commencement of Construction - Area of Operations

Pile casing installation will be the first licensed construction activity to commence within the Wind Farm Area and is scheduled to start on the 9th August 2020. Casing and pile installation operations will be undertaken within the boundaries of the NnG Offshore Wind Farm area shown on Figure 1 and Table 1.

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 exclusion area shown in Figure 1, prior to the commencement of operations.

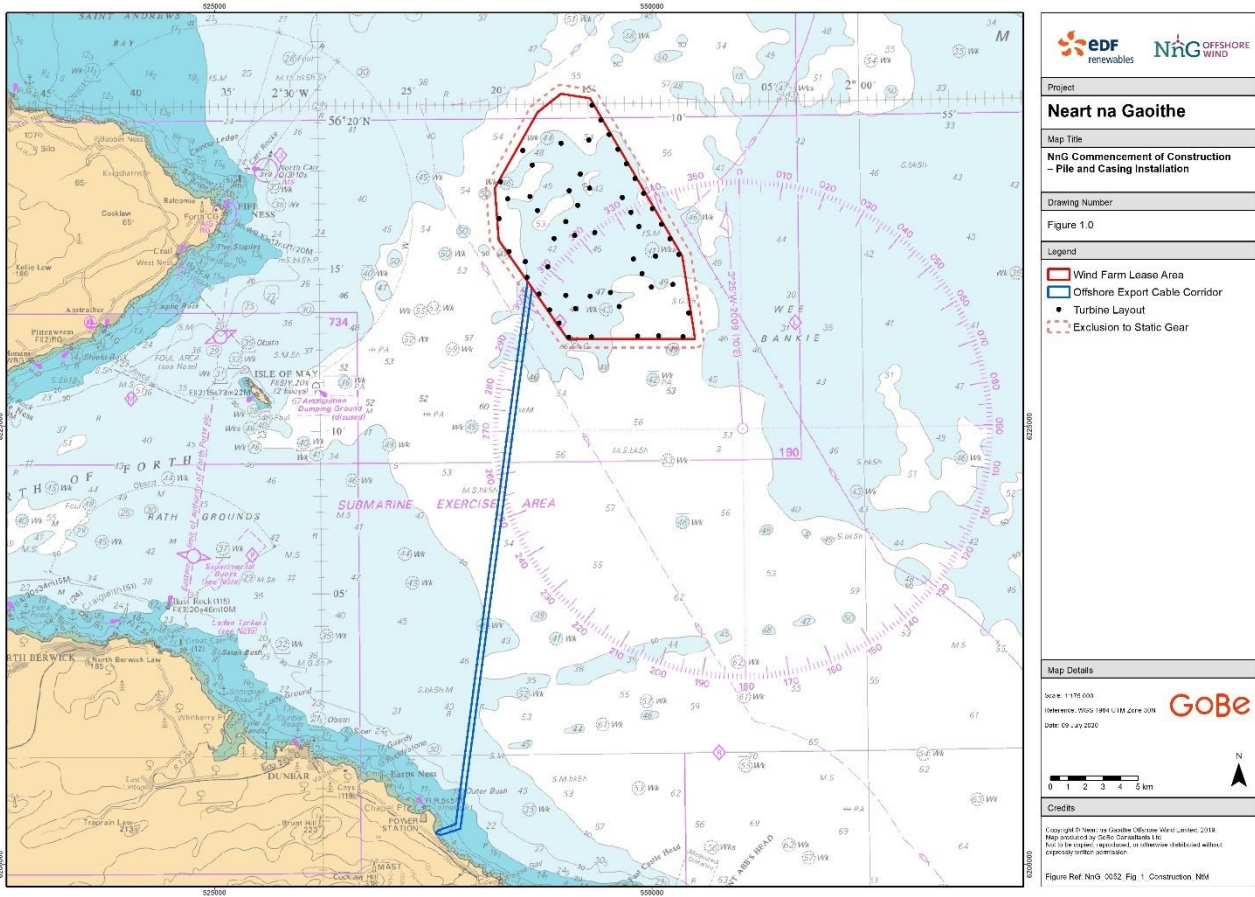


Figure 1 NnG Offshore Wind Farm Area and Export Cable Corridor (not to be used for navigation)

Table 1 Coordinates for NnG Offshore Wind Farm Area and Exclusion Area shown on Figure 1

	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)		LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)
WIND FARM LEASE AREA	002° 09.898' W	56° 15.271' N	EXCLUSION TO STATIC GEAR	002° 20.566' W	56° 15.680' N
	002° 13.998' W	56° 12.752' N		002° 20.849' W	56° 17.468' N
	002° 19.628' W	56° 15.479' N		002° 18.242' W	56° 19.938' N
	002° 20.232' W	56° 17.430' N		002° 16.611' W	56° 20.613' N
	002° 16.518' W	56° 20.312' N		002° 14.363' W	56° 20.392' N
	002° 09.255' W	56° 12.721' N		002° 09.300' W	56° 15.334' N
	002° 16.293' W	56° 12.766' N		002° 08.661' W	56° 12.651' N
	002° 20.055' W	56° 15.827' N		002° 09.058' W	56° 12.405' N
	002° 17.826' W	56° 19.752' N		002° 16.505' W	56° 12.410' N
	002° 14.910' W	56° 20.171' N			

Casing and pile installation operations will be undertaken within the boundaries of the NnG Offshore Wind Farm area, at the WTG and OSP locations defined by the coordinates provided in Table 2 below (WGS84, UTM 30N) and shown on Figure 2. The sequencing of casing and pile installation will be provided in future notices.

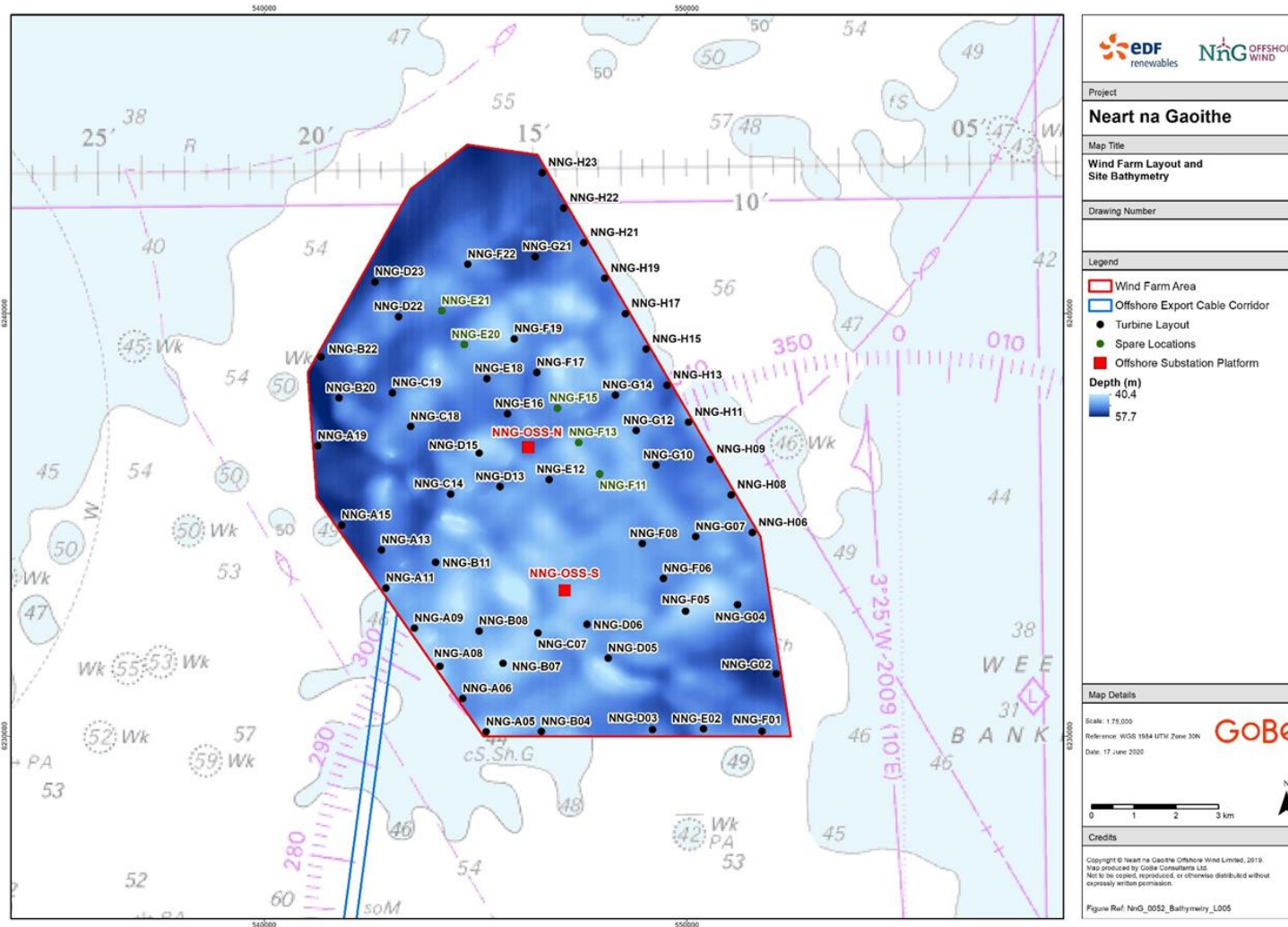


Figure 2 NnG Offshore Wind Farm planned installed asset locations

Table 2 NnG Offshore Wind Farm WTG and OSP locations

TURBINE ID	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)	TURBINE ID	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)
NNG-A13	002° 18.580' W	56° 15.153' N	NNG-F22	002° 16.536' W	56° 18.785' N
NNG-A11	002° 18.489' W	56° 14.668' N	NNG-F19	002° 15.487' W	56° 17.828' N
NNG-A09	002° 17.845' W	56° 14.153' N	NNG-F17	002° 14.978' W	56° 17.394' N
NNG-A08	002° 17.267' W	56° 13.665' N	NNG-F08	002° 12.603' W	56° 15.198' N
NNG-A06	002° 16.755' W	56° 13.248' N	NNG-F06	002° 12.129' W	56° 14.751' N
NNG-A05	002° 16.231' W	56° 12.822' N	NNG-F05	002° 11.632' W	56° 14.330' N
NNG-B22	002° 19.921' W	56° 17.623' N	NNG-G21	002° 14.988' W	56° 18.873' N
NNG-B20	002° 19.521' W	56° 17.097' N	NNG-G14	002° 13.181' W	56° 17.095' N
NNG-B11	002° 17.341' W	56° 14.989' N	NNG-G12	002° 12.715' W	56° 16.640' N
NNG-B08	002° 16.365' W	56° 14.109' N	NNG-G10	002° 12.270' W	56° 16.197' N
NNG-B07	002° 15.822' W	56° 13.695' N	NNG-G07	002° 11.379' W	56° 15.279' N
NNG-B04	002° 14.964' W	56° 12.817' N	NNG-G04	002° 10.435' W	56° 14.405' N
NNG-C19	002° 18.293' W	56° 17.155' N	NNG-G02	002° 09.572' W	56° 13.520' N
NNG-C18	002° 17.882' W	56° 16.725' N	NNG-H23	002° 14.806' W	56° 19.943' N
NNG-C14	002° 16.984' W	56° 15.858' N	NNG-H22	002° 14.322' W	56° 19.488' N
NNG-C07	002° 15.017' W	56° 14.076' N	NNG-H21	002° 13.865' W	56° 19.043' N
NNG-D23	002° 18.666' W	56° 18.572' N	NNG-H19	002° 13.397' W	56° 18.588' N
NNG-D22	002° 18.135' W	56° 18.127' N	NNG-H17	002° 12.932' W	56° 18.134' N
NNG-D15	002° 16.321' W	56° 16.376' N	NNG-H15	002° 12.466' W	56° 17.677' N
NNG-D13	002° 15.848' W	56° 15.946' N	NNG-H13	002° 11.997' W	56° 17.214' N
NNG-D06	002° 13.894' W	56° 14.179' N	NNG-A19	002° 20.015' W	56° 16.490' N
NNG-D05	002° 13.417' W	56° 13.744' N	NNG-A15	002° 19.484' W	56° 15.474' N
NNG-D03	002° 12.421' W	56° 12.828' N	NNG-F01	002° 09.915' W	56° 120790' N
NNG-E18	002° 16.122' W	56° 17.324' N	NNG-H11	002° 11.513' W	56° 16.740' N
NNG-E16	002° 15.658' W	56° 16.874' N	NNG-H09	002° 11.027' W	56° 16.263' N
NNG-E12	002° 14.720' W	56° 16.029' N	NNG-H08	002° 10.555' W	56° 15.808' N
NNG-E02	002° 11.251' W	56° 12.829' N	NNG-H06	002° 10.079' W	56° 15.324' N

OSP ID	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)	OSP ID	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)
NNG-OSS-S	002° 14.395' W	56° 14.615' N	NNG-OSS-N	002° 15.193' W	56° 16.446' N

Schedule

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 NnG Construction Programme and Construction Method Statement details the full construction schedule associated with the Development and provides further information on the key construction periods relevant to the vessels as detailed below. This document is available here; <https://nngoffshorewind.com/downloads/>

The vessels involved in casing and pile installation will be working intermittently within the boundaries of the NnG Offshore Wind Farm area until Q3 2021. A weekly Notice of Operations will be issued every Friday during construction, with the aim of providing a view of all activities and vessels involved. Questions regarding the operations will be welcome, preferably well in advance of each construction activity.

Vessels Associated with the Activity

Vessel name:	Saipem 7000
Vessel role:	Casing and pile installation
Call sign:	C6N05
Maritime Mobile Service Identity:	309461000
Maximum height:	196.6 m above LAT
On board contact:	Superintendent (+39 (0) 2520 27523, S7000.SuperInt@saipem.com) Captain (+39 (0) 2520 27524, S7000.Captain@saipem.com)
Onshore representative:	Martin Malone, NnG Construction Site Manager (+44 (0) 7880 439480, martin.Malone@nngoffshorewind.com)



Please be aware that by virtue of its mode of operation and the equipment deployed, the Saipem 7000 will be Restricted in their Ability to Manoeuvre as defined under COLREGS (International Regulations for Preventing Collisions at Sea 1972, Rule 3). Masters of vessels are therefore requested to maintain their vessels and gears at a minimum safe distance from these vessels of 500 metres when they are undertaking it work and showing the appropriate shapes and lights.

Port of Operation

The Saipem 7000 will mobilise from Mekjarvik, Norway.

Adverse weather conditions

Upon adverse weather conditions, if the *Saipem 7000* is not able to hold on position, she will seek shelter within the Firth of Forth.

Vessel name:	Tranquility S
Vessel role:	Guard Vessel
Call sign:	MJUH9
Maritime Mobile Service Identity:	235053837
On board contact:	spousekeil@yahoo.com , +44 (0) 1346 454758, VHF radio channel 16
Onshore representative:	Martin Malone, NnG Construction Site Manager (+44 (0) 7880 439480, martin.Malone@nngoffshorewind.com)



Port of Operation

The *Tranquility S* will mobilise/demobilise as required from Eyemouth.

Vessel name:	Artemis
Vessel role:	Guard Vessel
Call sign:	MVIX5
Maritime Mobile Service Identity:	233975000
On board contact:	concordeb47@aol.com , +44 (0) 7949 663790 / +44 (0) 1261 455461, VHF radio channel 16
Onshore representative:	Martin Malone, NnG Construction Site Manager (+44 (0) 7880 439480, martin.Malone@nngoffshorewind.com)



Port of Operation

The *Artemis* will mobilise/demobilise as required from Fraserborough.

Vessel name:	Seagull
Vessel role:	Guard Vessel
Call sign:	MVBO2
Maritime Mobile Service Identity:	233714000
On board contact:	seagullbf74@gmail.com , +44 (0) 1261 878040 / +44 (0) 7895 919100, VHF radio channel 16
Onshore representative:	Martin Malone, NnG Construction Site Manager (+44 (0) 7880 439480, Martin.Malone@nngoffshorewind.com)



Port of Operation

The *Seagull* will mobilise/demobilise as required from Fraserborough.

Construction Markers

NnGOWL has completed the deployment of nine construction marker buoys demarcating the NnG Offshore Wind Farm Area. The marker buoys will remain in place until after construction of the NnG Offshore Wind Farm is complete. The co-ordinates for the as-built marker buoys are provided in Table 3 below.

Table 3 NnG Offshore Wind Construction Navigation Buoyage

Name	Coordinates (WGS 84)	
	Longitude (DDM)	Latitude (DDM)
NNG N - North Cardinal - Quick (Q) white light character	002° 14.616' W	56° 20.424' N
NNG E - East Cardinal - Q (3) 10 s white light character	002° 08.557' W	56° 14.329' N
NNG S - South Cardinal - Q (6) + Long (L) FL 15 s white light character	002° 09.760' W	56° 12.293' N
NNG W - West Cardinal - Q (9) 15 s white light character	002° 21.083' W	56° 17.057' N
SP1 - Special Mark - Fl Y 5s light character	002° 12.075' W	56° 18.180' N
SP2- Special Mark - Fl Y 5s light character	002° 09.329' W	56° 15.643' N
SP3- Special Mark - Fl Y 5s light character	002° 15.797' W	56° 12.294' N
SP4 - Special Mark - Fl Y 5s light character	002° 18.974' W	56° 14.039' N
SP5 - Special Mark - Fl Y 5s light character	002° 18.951' W	56° 18.924' N

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 Neart na Gaoithe Offshore Wind Farm Construction Area is as follows:

- Mandatory “rolling” 500 metres (m) Safety Zones will be established around each wind farm structure (turbines and Offshore Substation Platforms (OSP)) and/or their foundations whilst construction works are in progress, as indicated by the presence of a construction vessel.
- Up to ten of these Safety Zones may be active at any given time.

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. Users are advised to keep clear of construction activities, including Safety Zones.

Fisheries Liaison

Fisheries liaison associated with the activity will be co-ordinated by Natural Power. For any commercial fishery queries please contact the NnG company Fisheries Liaison Officer (CFLO) Peter Berney, telephone: +44 (0)7391 402387 or email: NnG.FLO@naturalpower.com. Offshore Fisheries Liaison Officers (OFLO) will be present on each construction vessel, including the Saipem 7000, and can be contacted via VHF Channel 16.

Developer Contact Details (for any other matters)

NnG Offshore Wind general enquiries, info@nngoffshorewind.com

Distribution List

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 at the start of this notice.

A copy of this notice and a Weekly Notice of Operations can also be found at <https://nngoffshorewind.com/>