

Monthly Mariner’s Update for Coastal Virginia Offshore Wind	Date of Applicability	01 April 2024
	Issue:	04/24
	Revision:	00

The goal of the Monthly Mariner’s Update is to give a high-level overview of ongoing and planned near-term construction activities and the vessels involved. Questions regarding construction operations will be welcomed, preferably well in advance of each construction activity. These questions and comments can be directed [here](#).

Project Background Information:

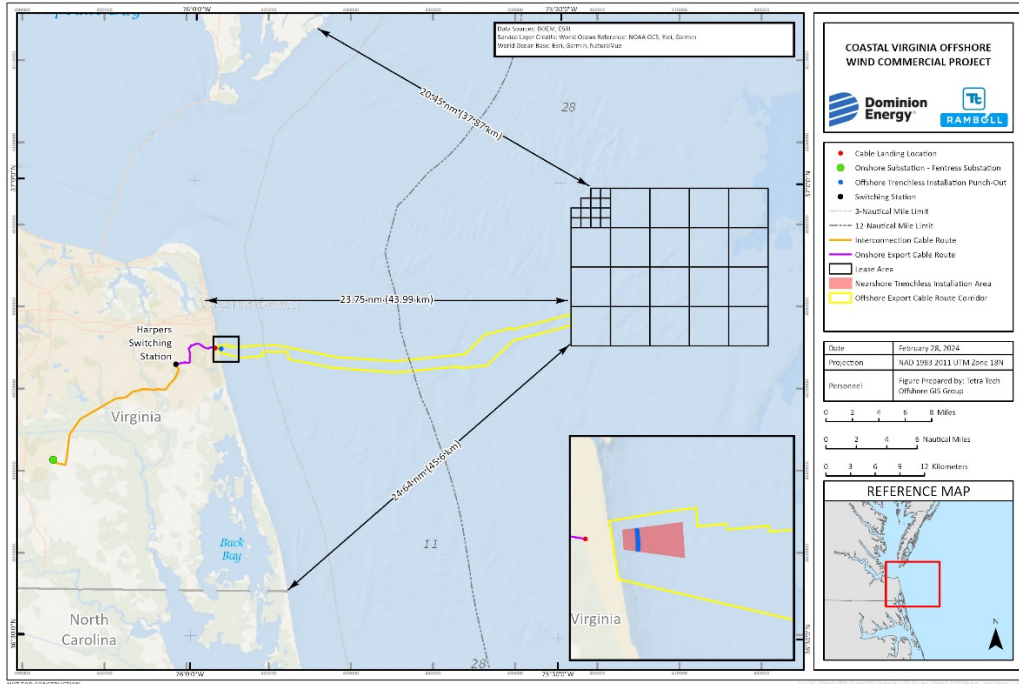
Offshore construction work for Coastal Virginia Offshore Wind (CVOW) commenced in late February 2024 with the first seabed disturbing activity – the relocation of the first Munition of Explosive Concern.

Dominion Energy will construct, own and operate Coastal Virginia Offshore Wind (CVOW) (hereinafter referred to as the Project). The Project will be located in the Commercial Lease of Submerged Lands for Renewable Energy Development on the Outer Continental Shelf Offshore Virginia (Lease No. OCS-A 0483), with buried subsea cables connecting CVOW to shore. The purpose of this Project is to provide 2.6-gigawatts of clean, reliable offshore wind energy to our customers, while providing substantial economic and environmental benefits to the Commonwealth of Virginia.

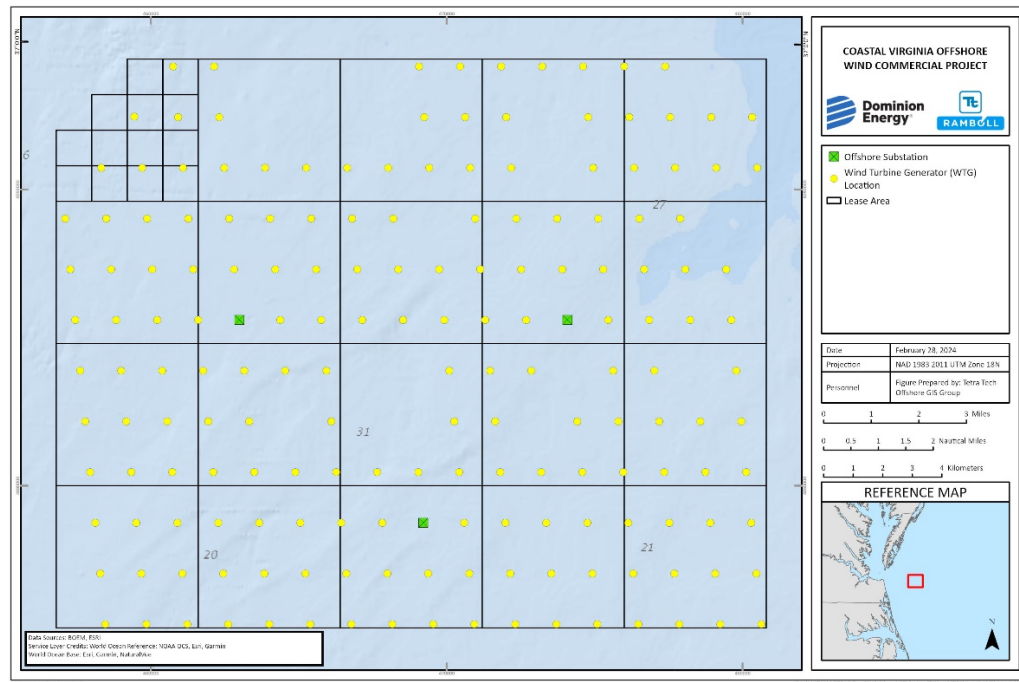
Offshore components of the Project will consist of the following:

- 176 Wind Turbine Generators (WTGs), each with a capacity of 14.7 megawatts, and associated monopile foundations;
- Three Offshore Substations (OSS) and associated OSS jacket foundations;
- Approximately 231 miles (372 kilometers) of total length of inter-array cables within the CVOW Lease Area; average inter-array cable length of 5,868 feet (1,789 meters) between WTGs and connected to the OSSs; and
- Nine buried submarine high-voltage alternating-current Offshore Export Cables (OECs), approximately 350 miles (563 kilometers) of total length, connecting the OSSs to shore at the State Military Reservation (SMR) in Virginia Beach, VA.

The offshore project components, including the WTGs, OSSs, inter-array cables, and OECs will be located in federal waters in the OCS-A 0483 Lease Area (Lease Area). Portions of the Offshore Export Cables will also be located in Commonwealth of Virginia waters (within three miles of shore).



Boundary of CVOW project



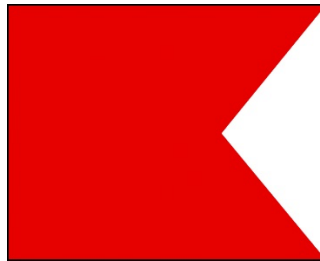
WTG and OSS Layout

Work planned for the period of April 1, 2024, to April 30, 2024:

- ❑ **Munitions and Explosives of Concern (MEC) identification and relocation**
- ❑ **Light Marine Debris Relocation in support of MEC activities**
- ❑ **Nearshore Construction approximately 400 yards off the coast of the State Military Reservation (SMR), paused construction operations late March.**
- ❑ **Multiple large project components are scheduled for arrival at Portsmouth Marine Terminal**
- ❑ **Ongoing fisheries resource studies in and around the Lease Area**

Munitions and Explosives of Concern (MEC) Identification and Relocation:

MEC *identification* activity is nearly complete, and the Project is shifting to MEC *relocation* activities. MEC, formally referred to as Unexploded Ordnance (UXO), must be relocated to provide a safe working area within the export cable corridor to install the export cables and for the safe installation of monopile foundations and inter-array cables in the Lease Area. The final positions of MEC will be advertised to the public upon completion. Project vessels HOS INNOVATOR, HOS WARLAND and HOS MYSTIQUE will be starting MEC relocation activities in and around the export cable corridor offshore, followed by relocation in the NW section of the Lease Area and then closer to shore east of the Dam Neck Ocean Disposal Site (DNODS). Vessels engaged in MEC operations will fly the international maritime signaling flag bravo:



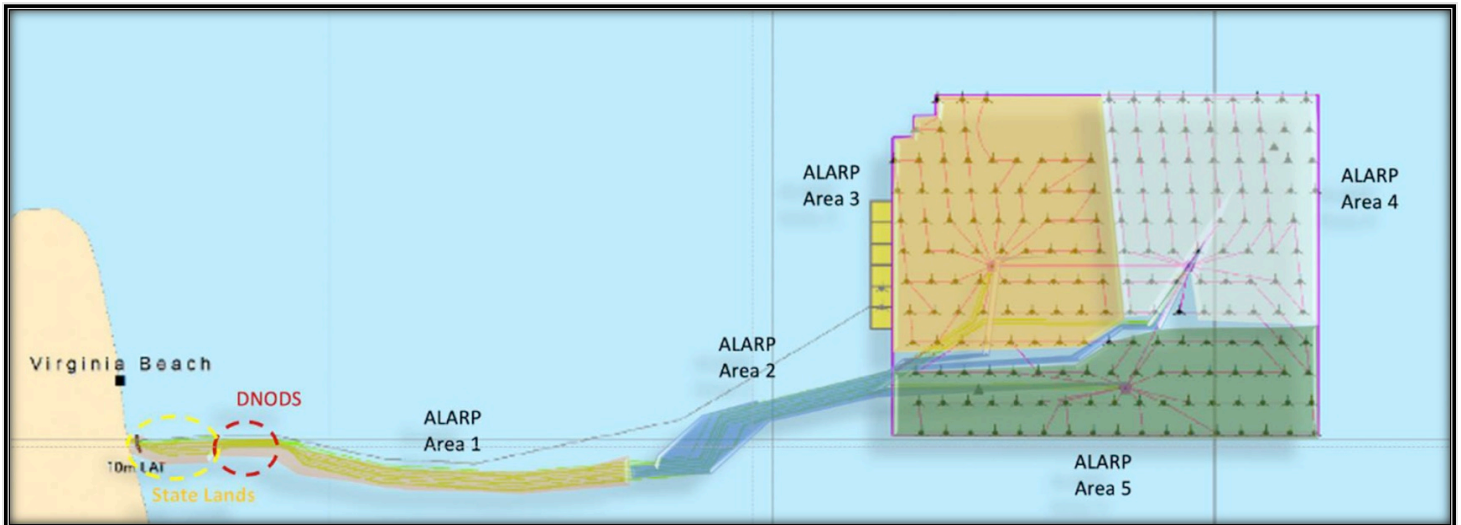
The U.S. Coast Guard (USCG) published [Docket Number USCG-2024-0081 to the Federal Register](#) to establish a temporary safety zone for navigable waters within a **1,000-yard radius** of the HOS INNOVATOR, HOS WARLAND and/or the HOS MYSTIQUE. Operations are planned to relocate MEC in the Atlantic Ocean, within 12 miles of the shores of the State Military Reservation in Virginia Beach, Virginia. The safety zone is needed to protect personnel, vessels, other mariners and the marine environment from potential hazards created by these operations. Entry of vessels or persons into this zone is prohibited unless specifically authorized by the Captain of the Port, Sector Virginia or a designated representative (Master of the vessel conducting MEC operations).

This rule is effective and subject to enforcement from January 26, 2024 through July 1, 2024. The USCG will issue a Broadcast Notice to Mariners via VHF–FM marine channel 16 when the zone is being enforced. For vessels requesting to enter the Safety Zone, coordinate with Project vessels on VHF Ch 16 prior to entry or with USCG.



Operations will also be conducted outside the 12 nautical mile boundary, both within the export cable corridor and the Lease Area (ALARP Area 2). There will not be an established USCG safety zone surrounding these MEC operations; however, vessels are requested to maintain a 1,000-yard exclusionary zone surrounding project vessels flying the bravo signaling flag conducting relocation activities.

Disposition activities started in ALARP Area 2 in late February along the export cable corridor and will then move to the WTG sites in ALARP Area 3 (see the below chartlet).



Marine Debris Relocation

The **M/V Atlantic Breeze** will be conducting light debris relocation in support of the MEC relocation work throughout the cable corridor. This activity will be conducted during the scope of MEC relocations. The use of remote-operated vehicles (ROVs) and the associated cabling necessitates an exclusion area around the operation. The vessel is requesting an exclusion zone of 500m surrounding the vessel operations, mariners are encouraged to contact the vessel on VHF Ch 16 to establish any passing arrangements necessary.

Direct Pipe Punchout Construction

Project contractors began construction activities onshore at and offshore of State Military Reservation (SMR) in Virginia Beach, VA, in late February. These construction activities support the export cable landing sites within SMR property, which will run via underground conduit from a transition bay more than 325 feet (~100m) shoreside of the beach to predetermined positions approximately 1,310 feet (~400m) offshore. **The first phase of installation has been completed, and operations have been paused with plans to resume in June.**

Component arrival at Portsmouth Marine Terminal

During the month of April, there are several scheduled arrivals of components to Portsmouth Marine Terminal (PMT).

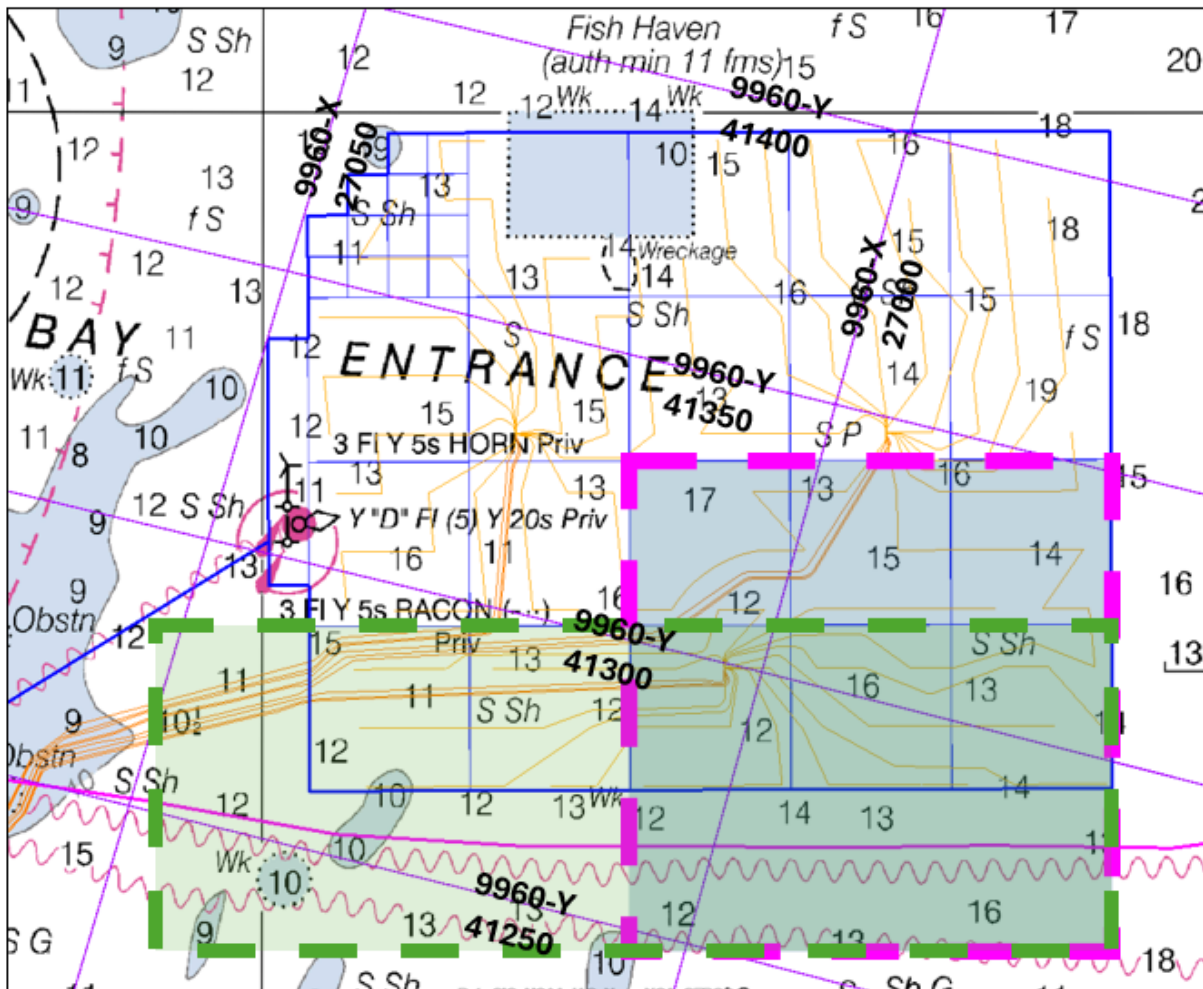
Component Arrivals	Transportation Vessel
8 Monopiles	M/V SUN SHINE
4 Monopiles	M/V SUN RISE
12 Offshore Substation Pin Piles	M/V CHARLIE
Grout silos	M/V ORION

Current Components Staged at Portsmouth Marine Terminal (as of April 1, 2024)
24 Monopiles

Fisheries Resource Characterization Studies

Dominion Energy is working with the Virginia Institute of Marine Science (VIMS), the Virginia Marine Resource Commission (VMRC) and commercial fishermen to study Black Sea Bass, Channeled Whelk and Atlantic Surfclam in and near the project area, especially the areas shown in the chartlets below. The use of new acoustic release device technology avoids the need for vertical lines and marker buoys in the water.

- **Black Sea Bass:** The study consists of 8 strings of ventless traps with 6 traps per string. Sampling once per month, with a 48-hour soak and acoustic release buoys are utilized to recover the gear. The chart below displays the study area, which includes locations south of the Lease Area. The study is currently taking place utilizing the VIMS R/V Bay Eagle and will continue through 2024. The study area is outlined in pink below.
- **Channeled Whelk:** The study uses 18 strings of 7 pots, a 48-hour soak time and recovery by acoustic release buoys. This cooperative study will be completed in partnership with local commercial whelk fishermen, and activities will continue through 2024. The study area includes the southern portion of the CVOW lease site (with future turbine locations) and a control area outside the Lease Area. The entire study area is outlined in green below.



Mariners are encouraged to contact Dominion Energy's Fisheries Liaisons with any specific questions about CVOW project activities in relation to fisheries. Additional project information is available on the [CVOW project website](#). Sign up to receive USCG Local Notice to Mariners Updates: [Subscribe to Our RSS Feeds | Navigation Center \(uscg.gov\)](#)

Project Vessels:

UXO/MEC Identification and Relocation Vessels



Vessel Name	HOS WARLAND
Length	302'
Call Sign	WDH6999
IMO Number	9742704
MMSI	367643740
Vessel Type	Offshore Supply Vessel



Vessel Name	HOS INNOVATOR
Length	238'
Call Sign:	WDA4032
IMO Number:	9251808
MMSI	338324000
Vessel Type	Offshore Supply Vessel



Vessel Name	HOS MYSTIQUE
Length	250'
Call Sign	WDE3118
IMO Number	9472323
MMSI	367334320
Vessel Type	Offshore Supply Vessel

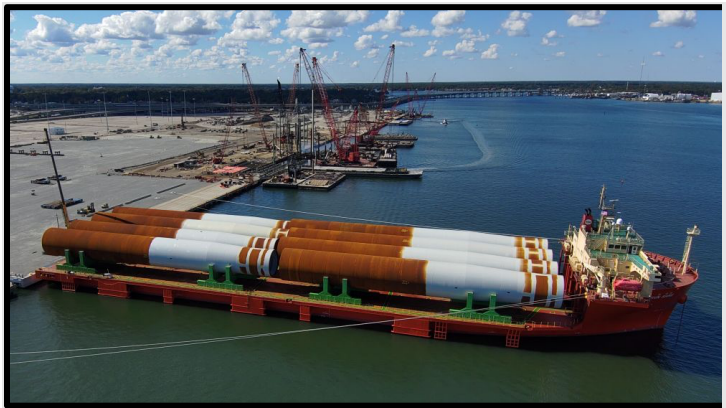


Vessel Name	Unnammed RHIB
Length	21'
Call Sign	NA
IMO Number	NA
MMSI	NA
Vessel Type	Rigid-Hull Inflatable



Vessel Name	ATLANTIC BREEZE
Length	205'
Call Sign	WDN9550
IMO Number	9191515
MMSI	338228000
Vessel Type	Offshore Supply Vessel

Transportation and Installation Vessels



Vessel Name	SUN SHINE
Length	571'
Call Sign	D7DB
IMO Number	9471616
MMSI	440040000
Vessel Type	Heavy Lift Transport Vessel



Vessel Name	SUN RISE
Length	554'
Call Sign	D7GU
IMO Number	9623219
MMSI	440032000
Vessel Type	Heavy Lift Vessel



Vessel Name	CHARLIE
Length	482'
Call Sign	V2HK6
IMO Number	9736236
MMSI	305543000
Vessel Type	Heavy Lift Vessel



Vessel Name	ORION
Length	705'
Call Sign	ORMB
IMO Number	9825453
MMSI	2057550000
Vessel Type	Monopile Installaiton Vessel

Fisheries Resource Characterization Survey Vessels


Vessel Name	R/V BAY EAGLE
Length	65'
Call Sign	WBR3978
MMSI	366749460
Vessel Type	Research Vessel



Vessel Name	F/V THOMAS REED
Length	49'
MMSI	367187470
Vessel Type	Commercail Fishing Vessel



Vessel Name	F/V LADY ISLA
Length	47'
MMSI	338495354
Vessel Type	Commercial Fishing Vessel



Mariners and the public are reminded that due to the nature of the construction activities, project vessels may be restricted in their ability to maneuver. It is requested that mariners communicate with project vessels on Channel 16 VHF to coordinate any necessary passing arrangement. Safety vessels will be on scene to assist with the coordination of commercial and public marine traffic and project vessels.

We remain committed to maintaining communications with fishing communities and other mariners in the area via these periodic updates, informational speaking engagements and dock visits. This information is also posted on the CVOW website.

For further information, please contact the following individuals or submit a comment on the CVOW website for response.

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