

DOMINION ENERGY CVOW PILOT PROJECT

Mariner Information Sheet No. 2

HDD Near Shore Site



Work will be conducted at the Horizontal Directional Drilled (HDD) Near Shore site from late April through June 2020, weather permitting. The work site begins ~600m and extends to ~1,800m off the Camp Pendleton beach as shown on the following page. The HDD conduit was installed from the Camp Pendleton beach parking lot, under the sand dunes and exits the seabed at the HDD Near Shore location.

These activities will utilize the vessel RAM XV that will assist with the installation and pulling of the Export Cable through the HDD conduit back to shore. RAM XV will regularly have divers in the water and locating the HDD duct for the subsea cable pull in operation. RAM XV will operate in approximate position: (WGS 84 Decimal degrees) 36.817122N - 075.955312W.

The USCG issued a Private Aids to Navigation (PATON) permit #20-0009 and 2 Local Notice to Mariners (LNTM) for the 6 demarcation buoys that have been installed around the HDD Near Shore work area and for the associated work to be completed. These USCG documents and additional information can be found at the website listed below.

Vessel



Vessel – RAM XV

HDD Punchout support

Contact Info: Aqueos Subsea

SAT Phone: +16096754342

E-mail: dmorgan@ariesmarine.com

Monitors channel 16 & 22a

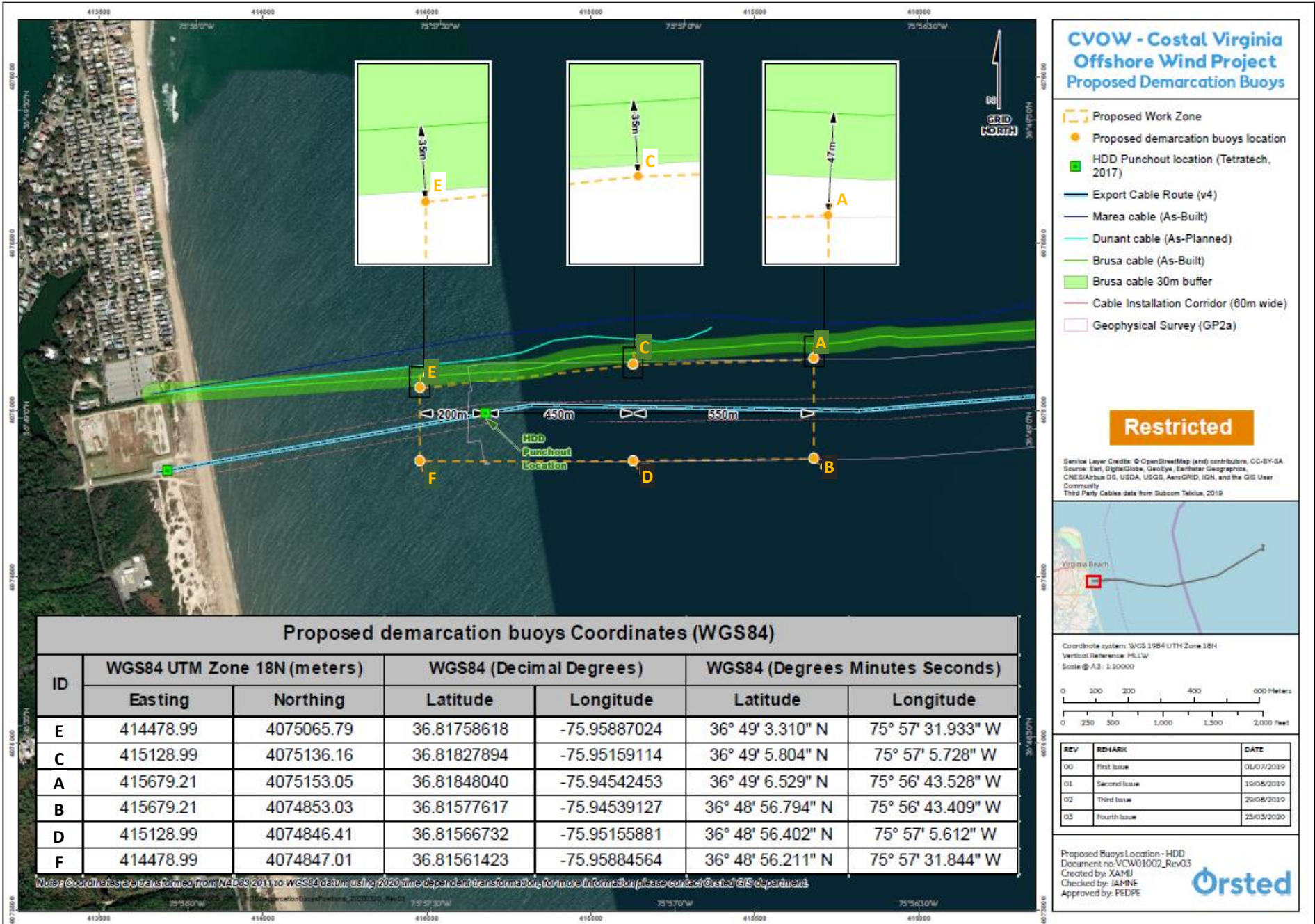
For updated information contact:

- Fisheries Liaisons – Wolfgang Rain, wrain@searisksolutions.com, 1-206-427-6553 and Ron Larsen, ronlarsen@searisksolutions.com, 1-570-242-5023
- Orsted Marine Coordination Center - Capt. Peder Rosenberg Pedersen, Offshore Operations Manager, PEDPE@Orsted.dk, 1-757-334-4578
- Mariner Information Sheets – and additional project information please visit: <https://www.dominionenergy.com/cvow>

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CVOW - Coastal Virginia Offshore Wind Project

Proposed Demarcation Buoys

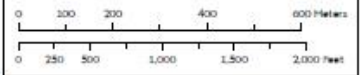
- Proposed Work Zone
- Proposed demarcation buoys location
- HDD Punchout location (Tetrattech, 2017)
- Export Cable Route (v4)
- Marea cable (As-Built)
- Dunant cable (As-Planned)
- Brusa cable (As-Built)
- Brusa cable 30m buffer
- Cable Installation Corridor (60m wide)
- Geophysical Survey (GP2a)

Restricted

Service Layer Credits: © OpenStreetMap (and) contributors, CC-BY-SA
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Third Party Cables data from Subcom Telixia, 2019



Coordinate system: WGS 1984 UTM Zone 18N
Vertical Reference: MLLW
Scale @ A3: 1:10000



REV	REMARK	DATE
00	First Issue	03/07/2019
01	Second Issue	19/08/2019
02	Third Issue	29/08/2019
03	Fourth Issue	23/03/2020

Proposed Buoys Location - HDD
 Document no: VCW01002_Rev03
 Created by: JAM/JE
 Checked by: JAM/JE
 Approved by: PED/PE

Proposed demarcation buoys Coordinates (WGS84)

ID	WGS84 UTM Zone 18N (meters)		WGS84 (Decimal Degrees)		WGS84 (Degrees Minutes Seconds)	
	Easting	Northing	Latitude	Longitude	Latitude	Longitude
E	414478.99	4075065.79	36.81758618	-75.95887024	36° 49' 3.310" N	75° 57' 31.933" W
C	415128.99	4075136.16	36.81827894	-75.95159114	36° 49' 5.804" N	75° 57' 5.728" W
A	415679.21	4075153.05	36.81848040	-75.94542453	36° 49' 6.529" N	75° 56' 43.528" W
B	415679.21	4074853.03	36.81577617	-75.94539127	36° 48' 56.794" N	75° 56' 43.409" W
D	415128.99	4074846.41	36.81566732	-75.95155881	36° 48' 56.402" N	75° 57' 5.612" W
F	414478.99	4074847.01	36.81561423	-75.95884564	36° 48' 56.211" N	75° 57' 31.844" W

Note: Coordinates are transformed from NAD83 2011 to WGS84 datum using 2020 time-dependent transformation, for more information please contact Orsted GIS department.