

**PRIVATE AIDS TO NAVIGATION APPLICATION**

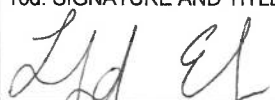
(See attached instructions and copy of Code of Federal Regulations, Title 33, Chap. 1, Part 66)

**NO PRIVATE AID TO NAVIGATION MAY BE AUTHORIZED UNLESS A COMPLETED APPLICATION FORM HAS BEEN RECEIVED (14 U.S.C. 83; 33 CFR. 66. 01-5).**

1. ACTION REQUESTED FOR PRIVATE AIDS TO NAVIGATION:	<input checked="" type="checkbox"/> A. ESTABLISH AND MAINTAIN <input type="checkbox"/> B. DISCONTINUE <input type="checkbox"/> C. CHANGE <input type="checkbox"/> D. TRANSFER OWNERSHIP	2. DATE ACTION TO START: 04/02/2020
3. AIDS WILL BE OPERATED:	<input type="checkbox"/> A. YEAR-ROUND <input checked="" type="checkbox"/> B. TEMPORARILY UNTIL 06/30/2020 <input type="checkbox"/> C. SEASONAL FROM _____ TO _____	
4. NECESSITY FOR AID (Continue in Block 8)	5. GENERAL LOCALITY	6. AUTHORIZING PERMIT FOR THIS STRUCTURE OR BUOY
Dominion CVOW Pilot Project - Demarcation buoys	~800m off Camp Pendleton	USACE <input checked="" type="checkbox"/> PERMIT AND/OR STATE <input type="checkbox"/> PERMIT (Valid Permit Number) NAO20130418

FOR DISTRICT COMMANDERS ONLY		7. APPLICANT WILL FILL IN APPLICABLE REMAINING COLUMNS										
LIGHT LIST NUMBER	NAME OF AID	NO. OR LTR (7a)	LIGHT			POSITION (7e)	DEPTH OF WATER (7f)	CANDELA (7g)	FOCAL PLANE HEIGHT (7h)	STRUCTURE		REMARKS (See instructions) (7j)
			FLASH PERIOD (7b)	FLASH LENGTH (7c)	COLOR (7d)					TYPE, COLOR, AND HEIGHT ABOVE GROUND (7i)		
1	CVOW HDD Punchout Buoy	E	4	.5	Yellow	36° 49' 3.310" N 75° 57' 31.933" W	28 ft	19	51"	Lighted buoy, Yellow.		
2	CVOW HDD Punchout Buoy	C	4	.5	Yellow	36° 49' 5.804" N 75° 57' 5.728" W	28 ft	18.8	51"	Lighted buoy, Yellow.		
3	CVOW HDD Punchout Buoy	A	4	.5	Yellow	36° 49' 6.529" N 75° 56' 43.528" W	28 ft	18.8	51"	Lighted buoy, Yellow.		
4	CVOW HDD Punchout Buoy	B	4	.5	Yellow	36° 48' 56.794" N 75° 56' 43.409" W	28 ft	18.8	51"	Lighted buoy, Yellow.		
5	CVOW HDD Punchout Buoy	D	4	.5	Yellow	36° 48' 56.402" N 75° 57' 5.612" W	28 ft	18.8	51"	Lighted buoy, Yellow.		
6	CVOW HDD Punchout Buoy	F	4	.5	Yellow	36° 48' 56.211" N 75° 57' 31.844" W	28 ft	18.8	51"	Lighted buoy, Yellow.		

8. ADDITIONAL COMMENTS  
 required for construction activities associated with the installation and pull back of the export cable at the HDD punchout.

9a. NAME AND ADDRESS OF PERSON IN DIRECT CHARGE OF THE AID(S) Lloyd Eley	10a. NAME AND ADDRESS OF PERSON OR CORPORATION AT WHOSE EXPENSE THE AID(S) WILL BE MAINTAINED Dominion Energy 600 Canal Place Richmond, VA 23219	10b. THE APPLICANT AGREES TO SAVE THE COAST GUARD HARMLESS WITH RESPECT TO ANY CLAIM OR CLAIMS THAT MAY RESULT ARISING FROM THE ALLEGED NEGLIGENCE OF THE MAINTENANCE OR OPERATION OF THE APPROVED AID(S).	
9b. TELEPHONE NO. (804) 273-4934		10c. DATE 02/17/2020	10d. SIGNATURE AND TITLE OF OFFICIAL SIGNING 
9c. E-MAIL ADDRESS Lloyd.J.Eley@dominionenergy.com			

<b>FOR USE BY DISTRICT COMMANDER</b>		RECD	DATE APPROVED	SIGNATURE (By direction)
SERIAL NO. 20-0009	CLASSIFICATION OF AIDS(S) III	CHART 12205		
		LNM		

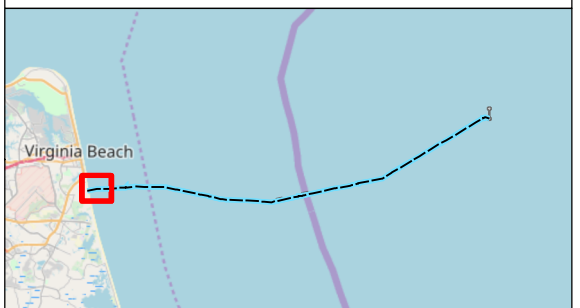


# CVOW - Costal Virginia Offshore Wind Project

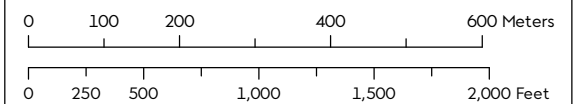
## Proposed Demarcation Buoys

- Proposed Work Zone
- Proposed demarcation buoys location
- HDD Punchout location (Tetrattech, 2017)
- Export Cable Route (v3)
- Marea cable (As-Laid Approximate)
- Dunant cable (As-Planned)
- Brusa cable (As-Planned)
- Brusa cable 30m buffer
- Potential Munitions and Explosives of Concern (MEC) (v3 Ordtek, 2019)
- Potential Munitions and Explosives of Concern (MEC) 15m Exclusion Zone (v3 Ordtek, 2019)
- Cable Installation Corridor (60m wide)
- Geophysical Survey (GP2a) Area

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 Telxius, 2019

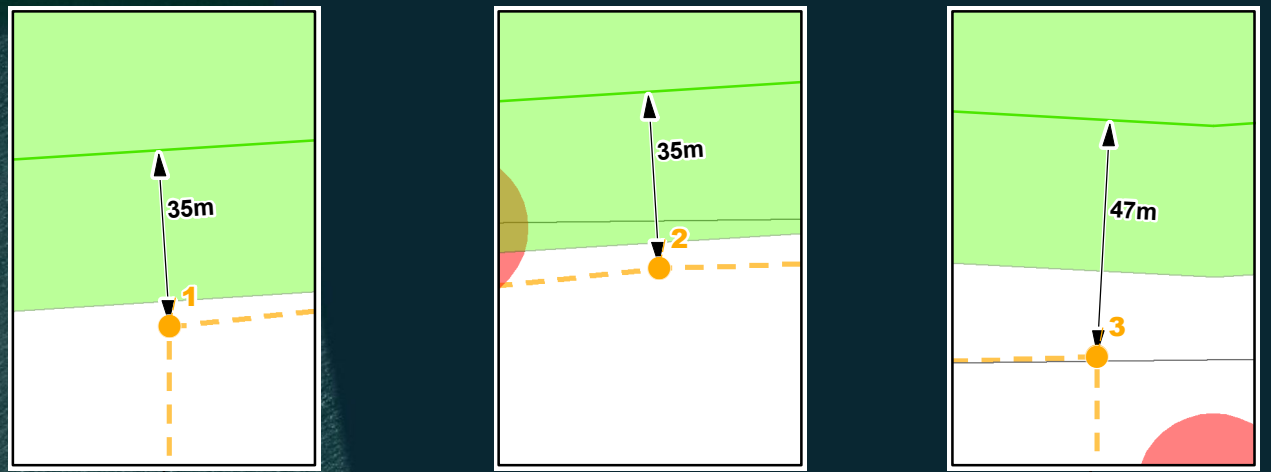


Coordinate system: WGS 1984 UTM Zone 18N  
 Vertical Reference: MLLW  
 Scale @ A3 : 1:10000



REV	REMARK	DATE
00	First Issue	01/07/2019
01	Second Issue	19/08/2019
02	Third Issue	29/08/2019
....	....	....

Proposed Buoys Location - HDD  
 Document no:VCW01002\_Rev02  
 Created by: XAMIJ  
 Checked by: JAMNE  
 Approved by: PEDPE



Proposed demarcation buoys Coordinates (WGS84)						
ID	WGS84 UTM Zone 18N (meters)		WGS84 (Decimal Degrees)		WGS84 (Degrees Minutes Seconds)	
	Easting	Northing	Latitude	Longitude	Latitude	Longitude
1	414478.99	4075065.79	36.81758618	-75.95887024	36° 49' 3.310" N	75° 57' 31.933" W
2	415128.99	4075136.16	36.81827894	-75.95159114	36° 49' 5.804" N	75° 57' 5.728" W
3	415679.21	4075153.05	36.81848040	-75.94542453	36° 49' 6.529" N	75° 56' 43.528" W
4	415679.21	4074853.03	36.81577617	-75.94539127	36° 48' 56.794" N	75° 56' 43.409" W
5	415128.99	4074846.41	36.81566732	-75.95155881	36° 48' 56.402" N	75° 57' 5.612" W
6	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.

**Restricted**