

U.S. Coast Guard

PRIVATE AIDS TO NAVIGATION APPLICATION

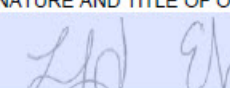
(See attached instructions and copy of Code of Federal Regulations, Title 33, Chap. 1, Part 66)

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:	03/25/2020	
3. AIDS WILL BE OPERATED:	<input type="checkbox"/> A. YEAR-ROUND	<input checked="" type="checkbox"/> B. TEMPORARILY UNTIL	10/31/2020	<input type="checkbox"/> C. SEASONAL FROM	TO		
4. NECESSITY FOR AID (Continue in Block 8)	Dominion CVOW Pilot - Revision to PATON 20-0008		5. GENERAL LOCALITY	27 mi. east of VA Beach			6. AUTHORIZING PERMIT FOR THIS STRUCTURE OR BUOY 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)		
		A	4	.5	yellow	36° 53' 57.490" N 75° 29' 45.476" W	81 ft	65	102	Lighted buoy, yellow		
		C	4	.5	yellow	36° 53' 29.438" N 75° 29' 45.117" W	81 ft	65	102	Lighted buoy, yellow		
		E	4	.5	yellow	36° 53' 1.385" N 75° 29' 44.757" W	81 ft	65	102	Lighted buoy, yellow		
		B	4	.5	yellow	36° 53' 57.753" N 75° 29' 16.429" W	81 ft	65	102	Lighted buoy, yellow		
		D	20	5	yellow	36° 53' 30" N 75° 29' 16.429" W	81 ft		2 m	1.8m diameter yellow disc buoy	see remarks on next page	
		F	4	.5	yellow	36° 53' 1.506" N 75° 29' 15.536" W	81 ft	65	102	Lighted buoy, yellow		

8. ADDITIONAL COMMENTS
Demarcation buoys required for construction activities associated with the installation of the Wind Turbine Generators.

9a. NAME AND ADDRESS OF PERSON IN DIRECT CHARGE OF THE AID(S) Lloyd Eley MGR GENERATION SITE CONSTRUCTION	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 03/25/2020
9c. E-MAIL ADDRESS Lloyd.J.Eley@dominionenergy.com		10d. SIGNATURE AND TITLE OF OFFICIAL SIGNING 

FOR USE BY DISTRICT COMMANDER		RECD	DATE APPROVED	SIGNATURE (By direction)
SERIAL NO.	CLASSIFICATION OF AIDS(S)	CHART		
		LNM		

Restricted

CVOW - Costal Virginia Offshore Wind Project

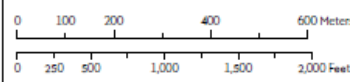
Proposed Demarcation Buoys

- Proposed demarcation buoys location (v1)
- ◇ Proposed Wave Buoy Location (v1)
- Turbine locations
- Array Cable Route (v5)
- Export Cable Route (v3)
- MEC Investigation Survey
- 95 Acre Circle
- Vessel Jack Up Footprints (JDN,2019)**
- Leg Position
- Ship Outline
- Vessel Jackup Sector
- Vessel Gangway Positioning Range
- Double Bubble Curtain Layout
- Double Bubble Curtain Sector

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Coordinate system: WGS 1984 UTM Zone 18N
 Vertical Reference: MLLW
 Scale @ A3: 1:10,000



Location	ID	WGS84 UTM Zone 18N (meters)		WGS84 (Decimal Degrees)		WGS84 (Degrees Minutes Seconds)	
		Easting	Northing	Latitude	Longitude	Latitude	Longitude
Proposed Demarcation Buoy Location	A	455812.65	4083816.62	36.89930272	-75.49596563	36° 53' 57.490" N	75° 29' 45.476" W
	C	455817.06	4082952.15	36.89151042	-75.49586571	36° 53' 29.438" N	75° 29' 45.117" W
	E	455821.47	4082087.69	36.88371811	-75.49576582	36° 53' 1.385" N	75° 29' 44.757" W
	B	456531.57	4083821.03	36.89937589	-75.48789691	36° 53' 57.753" N	75° 29' 16.429" W
	F	456544.80	4082087.69	36.88375170	-75.48764900	36° 53' 1.506" N	75° 29' 15.536" W
	Proposed Wave Buoy Location	D	456716.77	4082964.16	36.89166000	-75.48576900	36° 53' 29.977" N

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

Date: 20/08/2019 Author: XAMJ

REV	REMARK	DATE
---	First Issue	07/08/2019
01	Second Issue	10/08/2019
02	Third Issue	20/08/2019
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Proposed Buoy Location
 Document no: CVOW1003_Rev02
 Created by: XAMJ
 Checked by: JAMNE
 Approved by: PEDPE

