

**Draft**  
**New England Wind**  
**Construction and Operations Plan**  
**for Lease Area OCS-A 0534**

**Volume I**  
**Appendices**

**Submitted to:**

Bureau of Ocean Energy Management  
45600 Woodland Road  
Sterling, Virginia 20166

**Prepared by:**

Epsilon Associates, Inc.  
3 Mill & Main Place  
Maynard, Massachusetts 01754

**October 29, 2021**

**Epsilon**  
ASSOCIATES INC.

# Draft New England Wind Construction and Operations Plan for Lease Area OCS-A 0534

## Volume I Appendices

*Submitted to:*

**BUREAU OF OCEAN ENERGY MANAGEMENT**  
45600 Woodland Rd  
Sterling, VA 20166

*Prepared by:*



3 Mill & Main Place, Suite 250  
Maynard, MA 01754

*In Association with:*

Baird & Associates	JASCO Applied Sciences
Biodiversity Research Institute	Public Archaeology Laboratory, Inc.
Capitol Air Space Group	RPS
Geo SubSea LLC	Saratoga Associates
Geraldine Edens, P.A.	SEARCH, Inc.
Gray & Pape	Wood Thilsted Partners Ltd

October 29, 2021

**Appendix I-A**

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Wind Turbine Generator, Electrical Service Platform, and Reactive Compensation  
Station Coordinates and Water Depths

# New England Wind

## Wind Turbine Generator, Electrical Service Platform, and Reactive Compensation Station Coordinates and Water Depths

Prepared by:

**Epsilon Associates, Inc.**  
3 Mill & Main Place, Suite 250  
Maynard, MA 01754

**October 2021**

## APPENDIX I-A WIND TURBINE GENERATOR, ELECTRICAL SERVICE PLATFORM, AND REACTIVE COMPENSATION STATION COORDINATES AND WATER DEPTHS

Coordinates and water depths for New England Wind’s wind turbine generator (WTG), electrical service platform (ESP), and reactive compensation station (RCS) positions are provided in the table below. All positions that could be used for an ESP may also be used for a WTG. The table indicates whether each position may be used by Vineyard Wind 1 (VW1) or Phase 1, Phase 1 only, Phase 1 or Phase 2, or Phase 2 only.

**Table A-1 New England Wind WTG, ESP, and RCS Coordinates and Water Depths**

Name	Position Type	Phase	Easting (m)	Northing (m)	Latitude	Longitude	Water Depth (m)
AL37	RCS	Phase 2	375286	4555000	41° 8' 12.241" N	70° 29' 9.422" W	38.4
AT31	WTG/ESP	VW1 or Phase 1	364174	4542036	41° 1' 5.575" N	70° 36' 55.580" W	45.7
AT32	WTG/ESP	VW1 or Phase 1	366026	4542036	41° 1' 6.679" N	70° 35' 36.313" W	46.1
AT42	N/A	Vacant	384546	4542036	41° 1' 16.883" N	70° 22' 23.585" W	39.5
AU30	WTG/ESP	Phase 1	362322	4540184	41° 0' 4.422" N	70° 38' 13.359" W	46.8
AU31	WTG/ESP	Phase 1	364174	4540184	41° 0' 5.540" N	70° 36' 54.113" W	46.4
AU32	WTG/ESP	Phase 1	366026	4540184	41° 0' 6.643" N	70° 35' 34.867" W	48.7
AU33	WTG/ESP	VW1 or Phase 1	367878	4540184	41° 0' 7.731" N	70° 34' 15.619" W	45.6
AU34	WTG	VW1 or Phase 1	369730	4540184	41° 0' 8.803" N	70° 32' 56.370" W	48.8
AU35	WTG	VW1 or Phase 1	371582	4540184	41° 0' 9.861" N	70° 31' 37.120" W	48.3
AV28	WTG/ESP	Phase 1 or Phase 2	358618	4538332	40° 59' 2.106" N	70° 40' 50.320" W	48.4
AV29	WTG	Phase 1	360470	4538332	40° 59' 3.254" N	70° 39' 31.097" W	47.8
AV30	WTG	Phase 1	362322	4538332	40° 59' 4.386" N	70° 38' 11.873" W	47
AV31	WTG/ESP	Phase 1	364174	4538332	40° 59' 5.504" N	70° 36' 52.648" W	47.8
AV32	WTG/ESP	Phase 1	366026	4538332	40° 59' 6.606" N	70° 35' 33.421" W	48.1
AV33	WTG	Phase 1	367878	4538332	40° 59' 7.693" N	70° 34' 14.194" W	47.7
AV34	WTG	Phase 1	369730	4538332	40° 59' 8.766" N	70° 32' 54.965" W	48.2
AV35	WTG	VW1 or Phase 1	371582	4538332	40° 59' 9.823" N	70° 31' 35.735" W	46.8
AV36	WTG	VW1 or Phase 1	373434	4538332	40° 59' 10.864" N	70° 30' 16.503" W	45
AW28	WTG/ESP	Phase 1 or Phase 2	358618	4536480	40° 58' 2.072" N	70° 40' 48.796" W	48.2
AW29	WTG	Phase 1	360470	4536480	40° 58' 3.219" N	70° 39' 29.593" W	48.3
AW30	WTG	Phase 1	362322	4536480	40° 58' 4.351" N	70° 38' 10.389" W	48.9
AW31	WTG	Phase 1	364174	4536480	40° 58' 5.468" N	70° 36' 51.184" W	48.3
AW32	WTG/ESP	Phase 1	366026	4536480	40° 58' 6.569" N	70° 35' 31.977" W	47.3
AW33	WTG	Phase 1	367878	4536480	40° 58' 7.656" N	70° 34' 12.769" W	49.9
AW34	WTG	Phase 1	369730	4536480	40° 58' 8.728" N	70° 32' 53.560" W	49.5
AW35	WTG	Phase 1	371582	4536480	40° 58' 9.784" N	70° 31' 34.350" W	47.7
AW36	WTG	VW1 or Phase 1	373434	4536480	40° 58' 10.825" N	70° 30' 15.139" W	45.1

**Table A-1 New England Wind WTG, ESP, and RCS Coordinates and Water Depths (Continued)**

<b>Name</b>	<b>Position Type</b>	<b>Phase</b>	<b>Easting (m)</b>	<b>Northing (m)</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Water Depth (m)</b>
AW37	WTG	VW1 or Phase 1	375286	4536480	40° 58' 11.851" N	70° 28' 55.926" W	44.5
AX26	WTG/ESP	Phase 1 or Phase 2	354914	4534628	40° 56' 59.700" N	70° 43' 25.636" W	50.3
AX27	WTG/ESP	Phase 1 or Phase 2	356766	4534628	40° 57' 0.876" N	70° 42' 6.455" W	50.5
AX28	WTG/ESP	Phase 1 or Phase 2	358618	4534628	40° 57' 2.038" N	70° 40' 47.274" W	48
AX29	WTG	Phase 1	360470	4534628	40° 57' 3.184" N	70° 39' 28.091" W	49.4
AX30	WTG	Phase 1	362322	4534628	40° 57' 4.315" N	70° 38' 8.907" W	51.4
AX31	WTG	Phase 1	364174	4534628	40° 57' 5.431" N	70° 36' 49.721" W	50.8
AX32	WTG/ESP	Phase 1	366026	4534628	40° 57' 6.533" N	70° 35' 30.534" W	51.6
AX33	WTG	Phase 1	367878	4534628	40° 57' 7.618" N	70° 34' 11.346" W	51
AX34	WTG	Phase 1	369730	4534628	40° 57' 8.689" N	70° 32' 52.157" W	50
AX35	WTG	Phase 1	371582	4534628	40° 57' 9.745" N	70° 31' 32.967" W	47.8
AX36	WTG	Phase 1	373434	4534628	40° 57' 10.786" N	70° 30' 13.776" W	45.3
AX37	WTG	VW1 or Phase 1	375286	4534628	40° 57' 11.811" N	70° 28' 54.583" W	46.1
AY26	WTG/ESP	Phase 2	354914	4532776	40° 55' 59.667" N	70° 43' 24.075" W	52.2
AY27	WTG/ESP	Phase 2	356766	4532776	40° 56' 0.842" N	70° 42' 4.914" W	52.7
AY28	WTG/ESP	Phase 1 or Phase 2	358618	4532776	40° 56' 2.003" N	70° 40' 45.752" W	51.2
AY29	WTG/ESP	Phase 1 or Phase 2	360470	4532776	40° 56' 3.149" N	70° 39' 26.589" W	51.5
AY30	WTG	Phase 1	362322	4532776	40° 56' 4.280" N	70° 38' 7.425" W	51.9
AY31	WTG	Phase 1	364174	4532776	40° 56' 5.395" N	70° 36' 48.259" W	51.4
AY32	WTG	Phase 1	366026	4532776	40° 56' 6.495" N	70° 35' 29.093" W	51.8
AY33	WTG	Phase 1	367878	4532776	40° 56' 7.581" N	70° 34' 9.925" W	49.3
AY34	WTG	Phase 1	369730	4532776	40° 56' 8.651" N	70° 32' 50.755" W	48.4
AY35	WTG	Phase 1	371582	4532776	40° 56' 9.706" N	70° 31' 31.585" W	47.7
AY36	WTG	Phase 1	373434	4532776	40° 56' 10.746" N	70° 30' 12.414" W	46.6
AZ24	WTG/ESP	Phase 2	351210	4530924	40° 54' 57.238" N	70° 46' 0.792" W	51
AZ25	WTG/ESP	Phase 2	353062	4530924	40° 54' 58.443" N	70° 44' 41.654" W	51.6
AZ26	WTG/ESP	Phase 2	354914	4530924	40° 54' 59.633" N	70° 43' 22.515" W	55.4
AZ27	WTG/ESP	Phase 2	356766	4530924	40° 55' 0.808" N	70° 42' 3.374" W	55.3
AZ28	WTG/ESP	Phase 2	358618	4530924	40° 55' 1.969" N	70° 40' 44.232" W	55.5
AZ29	WTG/ESP	Phase 1 or Phase 2	360470	4530924	40° 55' 3.114" N	70° 39' 25.089" W	52.6
AZ30	WTG/ESP	Phase 1 or Phase 2	362322	4530924	40° 55' 4.244" N	70° 38' 5.945" W	50.7
AZ31	WTG	Phase 1	364174	4530924	40° 55' 5.358" N	70° 36' 46.799" W	52.1
AZ32	WTG	Phase 1	366026	4530924	40° 55' 6.458" N	70° 35' 27.652" W	51.4
AZ33	WTG	Phase 1	367878	4530924	40° 55' 7.543" N	70° 34' 8.504" W	50.4
AZ34	WTG	Phase 1	369730	4530924	40° 55' 8.612" N	70° 32' 49.355" W	49.8
AZ35	WTG	Phase 1	371582	4530924	40° 55' 9.667" N	70° 31' 30.204" W	49.1
BA24	WTG/ESP	Phase 2	351210	4529072	40° 53' 57.206" N	70° 45' 59.194" W	52.1

**Table A-1 New England Wind WTG, ESP, and RCS Coordinates and Water Depths (Continued)**

<b>Name</b>	<b>Position Type</b>	<b>Phase</b>	<b>Easting (m)</b>	<b>Northing (m)</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Water Depth (m)</b>
BA25	WTG/ESP	Phase 2	353062	4529072	40° 53' 58.410" N	70° 44' 40.076" W	51.9
BA26	WTG/ESP	Phase 2	354914	4529072	40° 53' 59.600" N	70° 43' 20.956" W	55.2
BA27	WTG/ESP	Phase 2	356766	4529072	40° 54' 0.774" N	70° 42' 1.836" W	56
BA28	WTG/ESP	Phase 2	358618	4529072	40° 54' 1.934" N	70° 40' 42.714" W	51.6
BA29	WTG/ESP	Phase 2	360470	4529072	40° 54' 3.078" N	70° 39' 23.590" W	50.6
BA30	WTG/ESP	Phase 1 or Phase 2	362322	4529072	40° 54' 4.207" N	70° 38' 4.466" W	51.4
BA31	WTG/ESP	Phase 1 or Phase 2	364174	4529072	40° 54' 5.322" N	70° 36' 45.340" W	52.7
BA32	WTG	Phase 1	366026	4529072	40° 54' 6.421" N	70° 35' 26.213" W	50.6
BA33	WTG	Phase 1	367878	4529072	40° 54' 7.505" N	70° 34' 7.085" W	51
BA34	WTG	Phase 1	369730	4529072	40° 54' 8.574" N	70° 32' 47.955" W	50.7
BA35	WTG	Phase 1	371582	4529072	40° 54' 9.628" N	70° 31' 28.825" W	50.6
BB23	WTG/ESP	Phase 2	349358	4527220	40° 52' 55.954" N	70° 47' 16.694" W	52.6
BB24	WTG/ESP	Phase 2	351210	4527220	40° 52' 57.173" N	70° 45' 57.597" W	53.7
BB25	WTG/ESP	Phase 2	353062	4527220	40° 52' 58.377" N	70° 44' 38.499" W	53.1
BB26	WTG/ESP	Phase 2	354914	4527220	40° 52' 59.566" N	70° 43' 19.399" W	54.6
BB27	WTG/ESP	Phase 2	356766	4527220	40° 53' 0.740" N	70° 42' 0.298" W	51.7
BB28	WTG/ESP	Phase 2	358618	4527220	40° 53' 1.899" N	70° 40' 41.196" W	51.5
BB29	WTG/ESP	Phase 2	360470	4527220	40° 53' 3.042" N	70° 39' 22.093" W	50.6
BB30	WTG/ESP	Phase 2	362322	4527220	40° 53' 4.171" N	70° 38' 2.988" W	50.5
BB31	WTG/ESP	Phase 1 or Phase 2	364174	4527220	40° 53' 5.285" N	70° 36' 43.882" W	51.3
BB32	WTG/ESP	Phase 1 or Phase 2	366026	4527220	40° 53' 6.383" N	70° 35' 24.775" W	54
BB33	WTG	Phase 1	367878	4527220	40° 53' 7.466" N	70° 34' 5.666" W	53.2
BC22	WTG/ESP	Phase 2	347506	4525368	40° 51' 54.689" N	70° 48' 34.155" W	54.2
BC23	WTG/ESP	Phase 2	349358	4525368	40° 51' 55.923" N	70° 47' 15.079" W	53.3
BC24	WTG/ESP	Phase 2	351210	4525368	40° 51' 57.141" N	70° 45' 56.002" W	53.5
BC25	WTG/ESP	Phase 2	353062	4525368	40° 51' 58.344" N	70° 44' 36.923" W	53.4
BC26	WTG/ESP	Phase 2	354914	4525368	40° 51' 59.532" N	70° 43' 17.843" W	53.4
BC27	WTG/ESP	Phase 2	356766	4525368	40° 52' 0.705" N	70° 41' 58.762" W	52
BC28	WTG/ESP	Phase 2	358618	4525368	40° 52' 1.863" N	70° 40' 39.680" W	51.6
BC29	WTG/ESP	Phase 2	360470	4525368	40° 52' 3.006" N	70° 39' 20.596" W	52.8
BC30	WTG/ESP	Phase 2	362322	4525368	40° 52' 4.134" N	70° 38' 1.511" W	53.6
BC31	WTG/ESP	Phase 2	364174	4525368	40° 52' 5.247" N	70° 36' 42.425" W	53.8
BC32	WTG/ESP	Phase 1 or Phase 2	366026	4525368	40° 52' 6.345" N	70° 35' 23.338" W	55.3
BC33	WTG/ESP	Phase 1 or Phase 2	367878	4525368	40° 52' 7.428" N	70° 34' 4.249" W	55
BD21	WTG/ESP	Phase 2	345654	4523516	40° 50' 53.410" N	70° 49' 51.575" W	54.7
BD22	WTG/ESP	Phase 2	347506	4523516	40° 50' 54.658" N	70° 48' 32.521" W	54
BD23	WTG/ESP	Phase 2	349358	4523516	40° 50' 55.891" N	70° 47' 13.465" W	54.8

**Table A-1 New England Wind WTG, ESP, and RCS Coordinates and Water Depths (Continued)**

Name	Position Type	Phase	Easting (m)	Northing (m)	Latitude	Longitude	Water Depth (m)
BD24	WTG/ESP	Phase 2	351210	4523516	40° 50' 57.108" N	70° 45' 54.407" W	55.6
BD25	WTG/ESP	Phase 2	353062	4523516	40° 50' 58.311" N	70° 44' 35.349" W	52.8
BD26	WTG/ESP	Phase 2	354914	4523516	40° 50' 59.498" N	70° 43' 16.289" W	52.3
BD27	WTG/ESP	Phase 2	356766	4523516	40° 51' 0.671" N	70° 41' 57.228" W	53.8
BD28	WTG/ESP	Phase 2	358618	4523516	40° 51' 1.828" N	70° 40' 38.165" W	55
BD29	WTG/ESP	Phase 2	360470	4523516	40° 51' 2.970" N	70° 39' 19.101" W	55.1
BD30	WTG/ESP	Phase 2	362322	4523516	40° 51' 4.098" N	70° 38' 0.036" W	53.1
BD31	WTG/ESP	Phase 2	364174	4523516	40° 51' 5.210" N	70° 36' 40.970" W	52
BE25	WTG/ESP	Phase 2	353062	4521664	40° 49' 58.277" N	70° 44' 33.776" W	54.5
BE26	WTG/ESP	Phase 2	354914	4521664	40° 49' 59.464" N	70° 43' 14.736" W	56.5
BE27	WTG/ESP	Phase 2	356766	4521664	40° 50' 0.636" N	70° 41' 55.694" W	56.5
BE28	WTG/ESP	Phase 2	358618	4521664	40° 50' 1.792" N	70° 40' 36.651" W	55.8
BE29	WTG/ESP	Phase 2	360470	4521664	40° 50' 2.934" N	70° 39' 17.607" W	55
BE30	WTG/ESP	Phase 2	362322	4521664	40° 50' 4.061" N	70° 37' 58.562" W	54
BE31	WTG/ESP	Phase 2	364174	4521664	40° 50' 5.172" N	70° 36' 39.515" W	55
BF25	WTG/ESP	Phase 2	353062	4519812	40° 48' 58.243" N	70° 44' 32.204" W	57.9
BF26	WTG/ESP	Phase 2	354914	4519812	40° 48' 59.430" N	70° 43' 13.184" W	58
BF27	WTG/ESP	Phase 2	356766	4519812	40° 49' 0.601" N	70° 41' 54.162" W	57.3
BF28	WTG/ESP	Phase 2	358618	4519812	40° 49' 1.757" N	70° 40' 35.139" W	56.7
BF29	WTG/ESP	Phase 2	360470	4519812	40° 49' 2.898" N	70° 39' 16.115" W	55.9
BG25	WTG/ESP	Phase 2	353062	4517960	40° 47' 58.210" N	70° 44' 30.634" W	59.8
BG26	WTG/ESP	Phase 2	354914	4517960	40° 47' 59.395" N	70° 43' 11.633" W	58.3
BG27	WTG/ESP	Phase 2	356766	4517960	40° 48' 0.565" N	70° 41' 52.631" W	57.4
BG28	WTG/ESP	Phase 2	358618	4517960	40° 48' 1.721" N	70° 40' 33.628" W	56.7
BH25	WTG/ESP	Phase 2	353062	4516108	40° 46' 58.175" N	70° 44' 29.064" W	59.6
BH26	WTG/ESP	Phase 2	354914	4516108	40° 46' 59.360" N	70° 43' 10.084" W	59.3
BH27	WTG/ESP	Phase 2	356766	4516108	40° 47' 0.530" N	70° 41' 51.101" W	58.8
BJ25	WTG/ESP	Phase 2	353062	4514256	40° 45' 58.141" N	70° 44' 27.497" W	60.8
BJ26	WTG/ESP	Phase 2	354914	4514256	40° 45' 59.325" N	70° 43' 8.536" W	60.2
BK25	WTG/ESP	Phase 2	353062	4512404	40° 44' 58.107" N	70° 44' 25.930" W	61.5

Notes:

1. Grid coordinates referenced to UTM Zone 19 north in meters, NAD83 datum.
2. Water depths may be interpolated where WTG/ESP/RCS positions have not been surveyed yet.
3. Water depths are referenced to Mean Lower Low Water.