



Powered by Ørsted & Eversource

Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunrise: Aquinnah Overlook, Aquinnah, Massachusetts

Existing Conditions

Simulation Size: 66" in width by 29.3" in height. Images This box should should be viewed from a distance of 15 inches in order to obtain the proper perspective.



Camera Information Camera: Canon EOS 5D Mark IV

Wind Direction: West-Northwest

Wind Speed: 5 mph Conditions Observed: Fair

Environmental Data Date Taken: 9/11/2021

Time: 6:37 AM

Temperature: 51°F

Humidity: 92% Visibility: >10 miles

Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 145.5 feet AMSL Notes:

- existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.

Key Observation Point Information County: Dukes Town: Aquinnah State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.34730° N, 70.83690° W Direction of View (Center): South (189.7°) Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Coastal Bluff

User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

• Photosimulation Size: 66" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective. • The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography. Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification.

• Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of

• The existing WTGs associated with the Block Island Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed

• Photographs were not obtained from NL01 during field review due to public access restrictions. In place of an actual photograph from this location, EDR created a virtual







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Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunrise: Aquinnah Overlook, Aquinnah, Massachusetts

Visual Simulation: 2023 Project Construction (South Fork Wind and Vineyard Wind North)



Environmental Data Date Taken: 9/11/2021

Wind Direction: West-Northwest

Camera: Canon EOS 5D Mark IV

Camera Height: 145.5 feet AMSL

Resolution: 30.4 Megapixels

Lens Focal Length: 50 mm

Conditions Observed: Fair

Time: 6:37 AM

Temperature: 51°F

Humidity: 92% Visibility: >10 miles

Wind Speed: 5 mph

Camera Information

Notes:

- existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.

County: Dukes **Town:** Aquinnah State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.34730° N, 70.83690° W Direction of View (Center): South (189.7°) Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Coastal Bluff User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

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perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed

• Photographs were not obtained from NL01 during field review due to public access restrictions. In place of an actual photograph from this location, EDR created a virtual

Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
South Fork Wind Farm	2023	12 MW	13	13	22.2	26.3
Vineyard Wind North	2023	14 MW	69	69	24.0	32.9







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Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunrise: Aquinnah Overlook, Aquinnah, Massachusetts

Visual Simulation: 2023 Project Construction with Revolution Construction added (Revolution Wind, South Fork Wind, and Vineyard Wind North)

Environmental Data Date Taken: 9/11/2021 Time: 6:37 AM Temperature: 51°F Humidity: 92% Visibility: >10 miles Wind Direction: West-Northwest Wind Speed: 5 mph Conditions Observed: Fair

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 145.5 feet AMSL Notes:

- for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification.
- existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



County: Dukes **Town:** Aquinnah State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.34730° N, 70.83690° W Direction of View (Center): South (189.7°) Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Coastal Bluff

User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

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structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography. • Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used

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• Photographs were not obtained from NL01 during field review due to public access restrictions. In place of an actual photograph from this location, EDR created a virtual

Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
South Fork Wind Farm	2023	12 MW	13	13	22.2	26.3
Vineyard Wind North	2023	14 MW	69	69	24.0	32.9
Revolution Wind	2023	12 MW	102	102	13.7	27.4







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Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunrise: Aquinnah Overlook, Aquinnah, Massachusetts

Visual Simulation: Full Lease Build-out Including Revolution Wind

Environmental Data

- Photosimulation Size: 66" in width by 29.3" in height. Ima
- The potential number of WTGs and OSSs screened fron structure height. This analysis does not consider the scre
- Offshore Substation location and dimensions are based for all foundation positions. OSS positions and dimension
- Nighttime photosimulations are digitally adjusted from data existing light sources.
- perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed WTG, this degree of atmospheric perspective is not applied to the photosimulations. • Photographs were not obtained from NL01 during field review due to public access restrictions. In place of an actual photograph from this location, EDR created a virtual three-dimensional (3D) model of the island.



Environmental Data Key Observation Point Information						
Date Taken: 9/11/2021	County: Dukes					
Time: 6:37 AM	Town: Aquinnah					
Temperature: 51°F	State: Massachusetts					
Humidity: 92%	Location: Martha's Vineyard					
Visibility: >10 miles	Latitude, Longitude: 41.34730° N, 70.83690° W					
Wind Direction: West-Northwest	Direction of View (Center): South (189.7°)					
Wind Speed: 5 mph	Field of View: 124° x 55°					
Conditions Observed: Fair						
Camera Information	Visual Resources					
Camera: Canon EOS 5D Mark IV	Landscape Similarity Zone: Coastal Bluff					
Resolution: 30.4 Megapixels	User Group: Local Resident, Tourist/Vacationers					
Lens Focal Length: 50 mm Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Ga						
Camera Height: 145.5 feet AMSL						
Notes:						
Photosimulation Size: 66" in width by 29.3" in height. In	nages should be viewed from 15 inches in order to obtain the proper perspective.					
•	m view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum					
č	reening effects of intervening vegetation, structures, and topography.					
	d on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used ons considered in this photosimulation are subject to potential modification.					
	laytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of					
existing light sources.						
The existing WTGs associated with the Block Island W	ind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric					

Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
South Fork Wind Farm	2023	12 MW	13	13	22.2	26.3
Vineyard Wind North	2023	14 MW	69	69	24.0	32.9
Revolution Wind	2023	12 MW	102	102	13.7	27.4
New England Wind Phase 1	2024	16 MW	41	41	26.1	34.8
New England Wind Phase 2	2024	19 MW	79	79	26.4	41.6
Sunrise Wind	2024	15 MW	123	123	21.6	35.3
Mayflower Wind	2024	12 MW	149	149	41.1	54.4
Liberty Wind	2025-2030	12 MW	36	139	48.7	53.7
Beacon Wind	2025-2030	12 MW	157	157	33.0	48.2
Bay State Wind	2025-2030	12 MW	185	185	17.5	45.3







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Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunrise: Aquinnah Overlook, Aquinnah, Massachusetts

Visual Simulation: Full Lease Build-out Excluding Revolution Wind

Environmental Data

Date Taken: 9/11/2021 Time: 6:37 AM Temperature: 51°F Humidity: 92% Visibility: >10 miles Wind Direction: West-Northwest Wind Speed: 5 mph Conditions Observed: Fair

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 145.5 feet AMSL Notes:

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Reasonably Foreseeable Projects Represented in Visual Simulation

Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
South Fork Wind Farm	2023	12 MW	13	13	22.2	26.3
Vineyard Wind North	2023	14 MW	69	69	24.0	32.9
New England Wind Phase 1	2024	16 MW	41	41	26.1	34.8
New England Wind Phase 2	2024	19 MW	79	79	26.4	41.6
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Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunrise: Aquinnah Overlook, Aquinnah, Massachusetts

Visual Simulation: Revolution Wind Without Other Foreseeable Future Changes

Simulation Size: 66" in width by 29.3" in height. Images This box should should be viewed from a distance of 15 inches



in order to obtain the proper perspective.



Environmental Data

Wind Speed: 5 mph

Camera Information

Notes:

Conditions Observed: Fair

Camera: Canon EOS 5D Mark IV

Camera Height: 145.5 feet AMSL

Resolution: 30.4 Megapixels

Lens Focal Length: 50 mm

- existing light sources.
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Date Taken: 9/11/2021 Time: 6:37 AM Temperature: 51°F Humidity: 92% Visibility: >10 miles Wind Direction: West-Northwest

Key Observation Point Information

County: Dukes Town: Aquinnah State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.34730° N, 70.83690° W Direction of View (Center): South (189.7°) Field of View: 124° x 55°

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Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*		Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
Revolution Wind	2023	12 MW	102	102	13.7	27.4



