APPENDIX C

Revolution Wind Farm Cumulative Visual Simulations by Environmental Design and Research





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Appendix C: Revolution Wind Cumulative Visual Simulations

BI04: Southeast Lighthouse, New Shoreham, Rhode Island

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

Environmental Data

Date Taken: 9/10/2017 Time: 12:20 PM Temperature: 68°F Humidity: 63% Visibility: >10 miles Wind Direction: Northeast Wind Speed: 8 mph Conditions Observed: Clear

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 161.1 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: Washington Town: New Shoreham State: Rhode Island Location: Block Island Latitude, Longitude: 41.15281° N, 71.55185° W Direction of View (Center): East (98.9°) Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Maintained Recreation Area, Coastal Bluff User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Southeast Light National Historic Landmark, Mohegan Bluffs Scenic Area

• Photosimulation Size: 64" 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

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	19.0	24.0
Vineyard Wind North	2023	14 MW	15	69	49.6	53.7
Revolution Wind	2023	12 MW	102	102	15.2	37.2



Key Observation Point Location

Revolution

Powered by Ørsted & Eversource

Appendix C: Revolution Wind Cumulative Visual Simulations

BI04 Night: Southeast Lighthouse, New Shoreham, Rhode Island

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

Simulation Size: 64" in width by 29.3" in height. Images should be viewed from a distance of 15 inches in order to obtain the proper perspective.

Wind



Environmental Data

Date Taken: 9/10/2017 Temperature: 61°F Humidity: 93% Visibility: >10 miles Wind Direction: North-Northwest Wind Speed: 6 mph Conditions Observed: Fair

Camera Information Camera: Canon EOS 5D Mark IV

Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 161.1 feet AMSL Notes:

- Nighttime photosimulations are digitally adjusted from daytime 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 Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.

Key Observation Point Information

County: Washington Town: New Shoreham State: Rhode Island Location: Block Island Latitude, Longitude: 41.15281° N, 71.55185° W **Direction of View (Center):** East (98.9°) Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Maintained Recreation Area, Coastal Bluff User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Southeast Light National Historic Landmark, Mohegan Bluffs Scenic Area

Photosimulation Size: 64" 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

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

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	19.0	24.0
Vineyard Wind North	2023	14 MW	0	69	NA	NA







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Appendix C: Revolution Wind Cumulative Visual Simulations

BI04 Night: Southeast Lighthouse, New Shoreham, Rhode Island

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

Simulation Size: 64" in width by 29.3" in height. Images should be viewed from a distance of 15 inches in order to obtain the proper perspective.



Environmental Data Date Taken: 9/10/2017

Temperature: 61°F Humidity: 93% Visibility: >10 miles Wind Direction: North-Northwest Wind Speed: 6 mph Conditions Observed: Fair

Camera Information

Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 161.1 feet AMSL Notes:

- Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of 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: Washington Town: New Shoreham State: Rhode Island Location: Block Island Latitude, Longitude: 41.15281° N, 71.55185° W **Direction of View (Center):** East (98.9°) Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Maintained Recreation Area, Coastal Bluff User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Southeast Light National Historic Landmark, Mohegan Bluffs Scenic Area

Photosimulation Size: 64" 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

• 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

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 Nearest Visible WTG (miles)
South Fork Wind Farm	2023	12 MW	13	13	19.0	24.0
Vineyard Wind North	2023	14 MW	0	69	NA	NA
Revolution Wind	2023	12 MW	102	102	15.2	37.2

Key Observation Point Context ▲Bishop and Clerks Key Observation Point Cone of View Nantucket Sound / Wind Turbine Generator Fully Visible Platform Screened Martha's Vineyard Mid-Tower Screened Nacelle Screened Rhode Island ↔ Not Visible Sound Offshore Substations Not Visible Nantucket Island • • • • Visible . · · · · · · •••=•• Revolution Wind South Fork Vineyard Wind North Block Isl ____•**;• ••** •• | ••••;•• _ • • <mark>• = • • • /</mark> • • • • • • • Napeague Bay







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Appendix C: Revolution Wind Cumulative Visual Simulations

LI04: Montauk Point State Park, East Hampton, New York

Visual Simulation: Full Lease Build-out Excluding Revolution Wind

Environmental Data

Date Taken: 9/11/2017 Time: 6:01 PM Temperature: 71°F Humidity: 68% Visibility: >10 miles Wind Direction: West-Southwest Wind Speed: 7 mph Conditions Observed: Fair

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 48.0 feet AMSL Notes:

- Photosimulation Size: 64" in width by 29.3" in height. In
- The potential number of WTGs and OSSs screened fro structure height. This analysis does not consider the se
- 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. The existing WTGs associated with the Block Island Win 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. three-dimensional (3D) model of the island.

Simulation Size: 64" 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.



County: Suffolk	Ducient	Very of Development	
Town: East Hampton	Project	Year of Development	WT
State: New York			
Location: Long Island	South Fork Wind Farm	2023	
Latitude, Longitude: 41.07208° N, 71.85901° W			
Direction of View (Center): East (87.3°)	Vinevard Wind North	2023	
Field of View: 124° x 55°		2020	
	New England Wind Phase 1	2024	
Visual Resources	Now England Wind		
Landscape Similarity Zone: Maintained Recreation Area	Phase 2	2024	
User Group: Local Resident, Tourist/Vacationers, Fishing Community			
Aesthetic Resource: Montauk Point State Park, National Register Historic Site, Scenic	Sunrise Wind	2024	
Area of Statewide Significance			
	South Fork Wind Farm 202 South Fork Wind Farm 202 Vineyard Wind North 202 New England Wind Phase 1 202 New England Wind Phase 1 202 New England Wind Phase 2 202 South Fork Wind Farm 202 New England Wind 	2024	
t. Images should be viewed from 15 inches in order to obtain the proper perspective.			
d from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum	Liberty Wind	2025-2030	
e screening effects of intervening vegetation, structures, and topography.			
ased on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used	Beacon Wind	2025-2030	
ensions considered in this photosimulation are subject to potential modification.			
om daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of	Bay State Wind	2025-2030	
d Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric			
a so the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed			

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	12	13	34.8	39.4
Vineyard Wind North	2023	14 MW	0	69	NA	NA
New England Wind Phase 1	2024	16 MW	0	41	NA	NA
New England Wind Phase 2	2024	19 MW	0	79	NA	NA
Sunrise Wind	2024	15 MW	106	123	30.5	49.6
Mayflower Wind	2024	12 MW	0	149	NA	NA
Liberty Wind	2025-2030	12 MW	0	139	NA	NA
Beacon Wind	2025-2030	12 MW	0	157	NA	NA
Bay State Wind	2025-2030	12 MW	11	185	44.6	47.0

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

Key Observation Point Information



Key Observation Point Location



Revolution

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Appendix C: Revolution Wind Cumulative Visual Simulations

LI04 Night: Montauk Point State Park, East Hampton, New York

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

Environmental Data

Date Taken: 9/11/2017 Temperature: 57°F Humidity: 93% Visibility: >10 miles Wind Direction: Calm Wind Speed: 0 mph Conditions Observed: Fair

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 48.0 feet AMSL Notes:

- 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. three-dimensional (3D) model of the island.

Wind



Key Observation Point Information County: Suffolk Potential Number Total Number of
 Year of Development
 WTG Model
 of WTGs & OSSs
 WTGs & OSSs
Town: East Hampton Project Visible* Proiect State: New York Location: Long Island South Fork Wind Farm 12 MW 2023 Latitude, Longitude: 41.07208° N, 71.85901° W Direction of View (Center): East (87.3°) Vineyard Wind North 14 MW 2023 Field of View: 124° x 55° 12 MW **Revolution Wind** 2023 30 Visual Resources

Aesthetic Resource: Montauk Point State Park, National Register Historic Site, Scenic Area of Statewide Significance

User Group: Local Resident, Tourist/Vacationers, Fishing Community

Landscape Similarity Zone: Maintained Recreation Area

• Photosimulation Size: 64" 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

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

Reasonably Foreseeable Projects Represented in Visual Simulation

of in	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
	34.8	39.4
	NA	NA
	31.4	38.5





Key Observation Point Location



Revolution Powered by Ørsted & Eversource

Appendix C: Revolution Wind Cumulative Visual Simulations

LI04 Night: Montauk Point State Park, East Hampton, New York

Visual Simulation: Full Lease Build-out Excluding Revolution Wind

Environmental Data

Date Taken: 9/11/2017 Temperature: 57°F Humidity: 93% Visibility: >10 miles Wind Direction: Calm Wind Speed: 0 mph Conditions Observed: Fair

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 48.0 feet AMSL Notes:

- 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. three-dimensional (3D) model of the island.

Wind



Key Observation Point Information County: Suffolk Town: East Hampton State: New York Location: Long Island Latitude, Longitude: 41.07208° N, 71.85901° W Direction of View (Center): East (87.3°) Field of View: 124° x 55° Visual Resources Landscape Similarity Zone: Maintained Recreation Area User Group: Local Resident, Tourist/Vacationers, Fishing Community Aesthetic Resource: Montauk Point State Park, National Register Historic Site, Scenic Area of Statewide Significance • Photosimulation Size: 64" 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

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

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	7	13	34.8	39.4
Vineyard Wind North	2023	14 MW	0	69	NA	NA
New England Wind Phase 1	2024	16 MW	0	41	NA	NA
New England Wind Phase 2	2024	19 MW	0	79	NA	NA
Sunrise Wind	2024	15 MW	42	123	30.5	40.2
Mayflower Wind	2024	12 MW	0	149	NA	NA
Liberty Wind	2025-2030	12 MW	0	139	NA	NA
Beacon Wind	2025-2030	12 MW	0	157	NA	NA
Bay State Wind	2025-2030	12 MW	0	185	NA	NA









Revolution

Appendix C: Revolution Wind Cumulative Visual Simulations

LI04 Night: Montauk Point State Park, East Hampton, New York

Visual Simulation: Revolution Wind Without Other Foreseeable Future Changes

Environmental Data

Date Taken: 9/11/2017 Temperature: 57°F Humidity: 93% Visibility: >10 miles Wind Direction: Calm Wind Speed: 0 mph Conditions Observed: Fair

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 48.0 feet AMSL Notes:

- Nighttime photosimulations are digitally adjusted from daytime 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 Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.

Simulation Size: 64" 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.

Wind



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Key Observation Point Information

County: Suffolk Town: East Hampton State: New York Location: Long Island Latitude, Longitude: 41.07208° N, 71.85901° W Direction of View (Center): East (87.3°) Field of View: 124° x 55°

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)
Revolution Wind	2023	12 MW	30	102	31.4	38.5

Visual Resources

Landscape Similarity Zone: Maintained Recreation Area User Group: Local Resident, Tourist/Vacationers, Fishing Community Aesthetic Resource: Montauk Point State Park, National Register Historic Site, Scenic Area of Statewide Significance

• Photosimulation Size: 64" 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.

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

Key Observation Point Context ▲Bishop and Clerks Key Observation Point Cone of View Nantucket Sound Wind Turbine Generator Fully Visible Great Round Shoal Channel Vineyard Sound Platform Screened Martha's Vineyard Mid-Tower Screened Nacelle Screened Rhode Island Sound \oplus Not Visible Offshore Substations Nantucket Island Not Visible 00000 ■ Visible 000,000 0 0 0 □'0 0 0 0'0 0 0 0 Revolution Wind Block Island Sound 6 000000 13 0000000000000000 Block Island 00000000 Napeague Bay 50









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Appendix C: Revolution Wind Cumulative Visual Simulations

MV11: Wasque Point, Edgartown, Massachusetts

Visual Simulation: Revolution Wind Without Other Foreseeable Future Changes



Temperature: 72°F Humidity: 46% Visibility: >10 miles Wind Direction: West

Conditions Observed: Fair

Wind Speed: 9 mph

Environmental Data

Date Taken: 9/11/2021

Time: 11:49 AM

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 25.7 feet AMSL Notes:

- existing light sources. • 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
- 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: Edgartown State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35082° N, 70.45932° W Direction of View (Center): South-Southwest (202.4°) Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Shoreline Beach User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Wasque Point

• Photosimulation Size: 64" 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

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

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)
Revolution Wind	2023	12 MW	100	102	24.9	44.7







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Appendix C: Revolution Wind Cumulative Visual Simulations

RI03: Point Judith Lighthouse, Narragansett, Rhode Island

Visual Simulation: Revolution Wind Without Other Foreseeable Future Changes



Environmental Data Date Taken: 8/3/2017

Time: 12:34 PM Temperature: 77°F Humidity: 79% Visibility: >10 miles Wind Direction: South Wind Speed: 10 mph Conditions Observed: Partly Cloudy

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 29.6 feet AMSL Notes:

- existing light sources. • 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
- 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.

Key Observation Point Information

County: Washington Town: Narragansett State: Rhode Island Location: Aquidneck Island Latitude, Longitude: 41.36309° N, 71.48100° W Direction of View (Center): Southeast (143.7°) Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Maintained Recreation Area User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: National Register Historic Site, Point Judith State Scenic Area

• Photosimulation Size: 64" 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

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

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)
Revolution Wind	2023	12 MW	102	102	18.2	37.5



Great Round Shoal Chan

