Appendix I Seascape, Landscape, and Visual Impacts Assessment

ATTACHMENT I-5

Selected Key Observation Points
Cumulative Assessment
Visual Simulations

(Source: EDR 2022, Sunrise Wind 2022)

Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

AI03: Newport Cliff Walk, Newport, Rhode Island

Existing Conditions

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.

This box should be exactly 1" long on the printed panorama

Environmental Data

Date Taken: 7/26/2017
Time: 7:03 AM
Temperature: 59°F
Humidity: 96%
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: 22.8 feet AMSL

Key Observation Point Information

County: Newport
Town: Newport
State: Rhode Island
Location: Aquidneck Island
Latitude, Longitude: 41.45119° N, 71.31157° W
Direction of View (Center): South-Southeast (155.7°)
Field of View: 124° x 55°

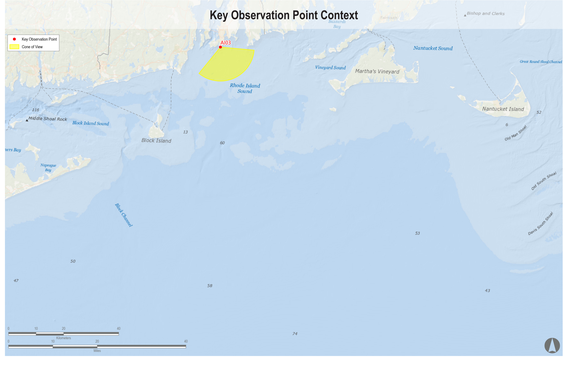
Visual Resources

Landscape Similarity Zone: Maintained Recreation Area, Shoreline Residential
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Newport/Ocean Drive State Scenic Area, Cliff Walk National Recreation Trail, Newport National Historic Landmark

Notes:

- 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 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 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.

Key Observation Point Context



Key Observation Point Location





Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

AI03: Newport Cliff Walk, Newport, Rhode Island

Visual Simulation: 2023 and 2024 Project Construction (Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

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.

This box should be exactly 1" long on the printed panorama

Environmental Data

Date Taken: 7/26/2017
Time: 7:03 AM
Temperature: 59°F
Humidity: 96%
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: 22.8 feet AMSL

Key Observation Point Information

County: Newport
Town: Newport
State: Rhode Island
Location: Aquidneck Island
Latitude, Longitude: 41.45119° N, 71.31157° W
Direction of View (Center): South-Southeast (155.7°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Maintained Recreation Area, Shoreline Residential
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Newport/Ocean Drive State Scenic Area, Cliff Walk National Recreation Trail, Newport National Historic Landmark

Notes:

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

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	24.5	28.0
Vineyard Wind North	2023	14 MW	0	69	NA	NA
Revolution Wind	2023	12 MW	102	102	15.3	33.8
New England Wind Phase 1	2024	16 MW	9	41	46.8	48.6
New England Wind Phase 2	2024	19 MW	37	79	46.0	51.1

Key Observation Point Context

Key Observation Point
Cone of View
Wind Turbine Generator
Fully Visible
Platform Screened
Mid-Tower Screened
Nacelle Screened
Not Visible
Offshore Substations
Not Visible
Visible
Revolution Wind
South Fork
Vineyard Wind North
New England Wind - P1
New England Wind - P2
Bishop and Clerks
Nantucket Sound
Martha's Vineyard
Vineyard Sound
Rhode Island Sound
Nantucket Island
Block Island
Block Island Sound
Point Judith
Block Island Wind Farm
Great Round Shoal Channel
Old South Shoal
Horseshoe Shoal
Muskeget Channel
Tuckernuck Island
Muskeget Island
Nantucket
Martha's Vineyard
Rhode Island
Block Island
Point Judith
Newport
Fall River
New Bedford
Cuttyhunk Island
Gosnold
Woods Hole
Falmouth
Hyannis
Chatham
Provincetown
Plymouth
Boston
Gloucester
Salem
Lynn
Marblehead
Scituate
Cohasset
Hull
Duxbury
Kingston
Plymouth
Wareham
Marion
Mattapoisett
Fairhaven
Dartmouth
Westport
Fall River
Somerset
Swansea
Seekonk
Rehoboth
Attleboro
Norton
Taunton
Mansfield
Foxboro
Sharon
Canton
Milton
Quincy
Braintree
Weymouth
Hingham
Cohasset
Scituate
Marshfield



Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

AI03: Newport Cliff Walk, Newport, Rhode Island

Visual Simulation: 2023 and 2024 Project Construction with Sunrise Wind added (Sunrise Wind, Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

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.

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Environmental Data

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Temperature: 59°F
Humidity: 96%
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: 22.8 feet AMSL

Key Observation Point Information

County: Newport
Town: Newport
State: Rhode Island
Location: Aquidneck Island
Latitude, Longitude: 41.45119° N, 71.31157° W
Direction of View (Center): South-Southeast (155.7°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Maintained Recreation Area, Shoreline Residential
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Newport/Ocean Drive State Scenic Area, Cliff Walk National Recreation Trail, Newport National Historic Landmark

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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)
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Vineyard Wind North	2023	14 MW	0	69	NA	NA
Revolution Wind	2023	12 MW	102	102	15.3	33.8
New England Wind Phase 1	2024	16 MW	9	41	46.8	48.6
New England Wind Phase 2	2024	19 MW	37	79	46.0	51.1
Sunrise Wind	2024	15 MW	122	123	28.6	42.6

Key Observation Point Context

Key Observation Point
Cone of View
Wind Turbine Generator
Fully Visible
Platform Screened
Mid-Tower Screened
Nacelle Screened
Not Visible
Offshore Substations
Not Visible
Visible
Revolution Wind
South Fork
Sunrise Wind
Vineyard Wind North
New England Wind - P1
New England Wind - P2
AI03
Rhode Island Sound
Block Island Sound
Block Island
Vineyard Sound
Martha's Vineyard
Nantucket Sound
Nantucket Island
Bishop and Clerks
Great Round Rock
Great Round Rock
Old Man Shoal
Old South Shoal
Horse Shoe Shoal
Block Island Channel
Nantucket Channel
Nantucket Channel
Nantucket

Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

AI03: Newport Cliff Walk, Newport, Rhode Island

Visual Simulation: Full Lease Build-out Including Sunrise Wind

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.

This box should be exactly 1" long on the printed panorama

Environmental Data

Date Taken: 7/26/2017
Time: 7:03 AM
Temperature: 59°F
Humidity: 96%
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: 22.8 feet AMSL

Key Observation Point Information

County: Newport
Town: Newport
State: Rhode Island
Location: Aquidneck Island
Latitude, Longitude: 41.45119° N, 71.31157° W
Direction of View (Center): South-Southeast (155.7°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Maintained Recreation Area, Shoreline Residential
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Newport/Ocean Drive State Scenic Area, Cliff Walk National Recreation Trail, Newport National Historic Landmark

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)
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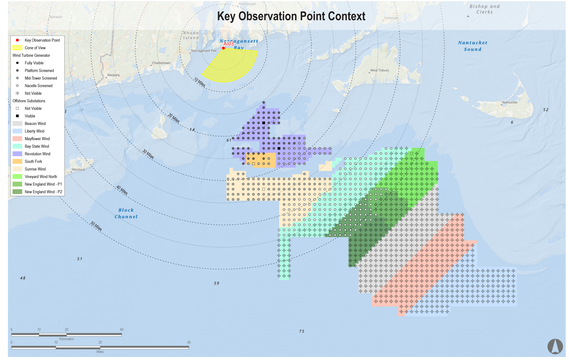
Sunrise Wind	2024	15 MW	122	123	28.6	42.6
Mayflower Wind	2024	12 MW	0	149	NA	NA
Liberty Wind	2025-2030	12 MW	0	139	NA	NA
Beacon Wind	2025-2030	12 MW	0	157	NA	NA
Bay State Wind	2025-2030	12 MW	100	185	37.1	44.5

Key Observation Point Context



Key Observation Point Location





Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

AI03: Newport Cliff Walk, Newport, Rhode Island

Visual Simulation: Full Lease Build-out Excluding Sunrise Wind

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.

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Environmental Data

Date Taken: 7/26/2017
Time: 7:03 AM
Temperature: 59°F
Humidity: 96%
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: 22.8 feet AMSL

Key Observation Point Information

County: Newport
Town: Newport
State: Rhode Island
Location: Aquidneck Island
Latitude, Longitude: 41.45119° N, 71.31157° W
Direction of View (Center): South-Southeast (155.7°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Maintained Recreation Area, Shoreline Residential
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Newport/Ocean Drive State Scenic Area, Cliff Walk National Recreation Trail, Newport National Historic Landmark

Notes:

- Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
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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)
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Mayflower Wind	2024	12 MW	0	149	NA	NA
Liberty Wind	2025-2030	12 MW	0	139	NA	NA
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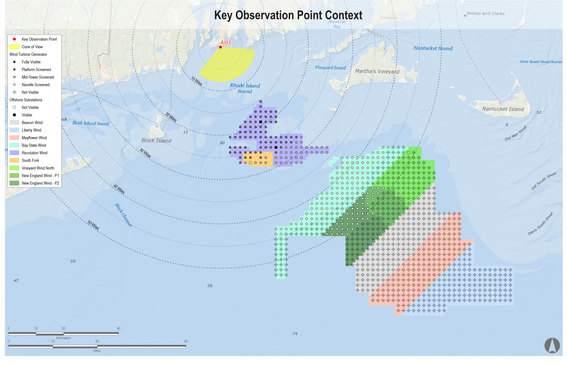
Bay State Wind	2025-2030	12 MW	100	185	37.1	44.5

Key Observation Point Context



Key Observation Point Location



Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

AI03: Newport Cliff Walk, Newport, Rhode Island

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes

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.

This box should be exactly 1" long on the printed panorama

Environmental Data

Date Taken: 7/26/2017
Time: 7:03 AM
Temperature: 59°F
Humidity: 96%
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: 22.8 feet AMSL

Key Observation Point Information

County: Newport
Town: Newport
State: Rhode Island
Location: Aquidneck Island
Latitude, Longitude: 41.45119° N, 71.31157° W
Direction of View (Center): South-Southeast (155.7°)
Field of View: 124° x 55°

Visual Resources
Landscape Similarity Zone: Maintained Recreation Area, Shoreline Residential
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Newport/Ocean Drive State Scenic Area, Cliff Walk National Recreation Trail, Newport National Historic Landmark

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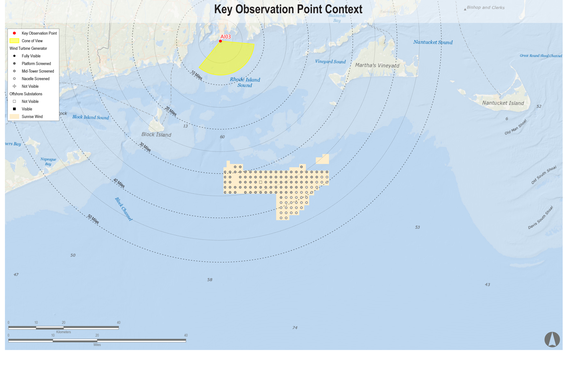
Reasonably Foreseeable Projects Represented in Visual Simulation

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)
Sunrise Wind	2024	15 MW	122	123	28.6	42.6

Key Observation Point Context



Key Observation Point Location



Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04: Southeast Lighthouse, New Shoreham, Rhode Island

Existing Conditions

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.

This box should be exactly 1" long on the printed panorama

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

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

Notes:

- Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
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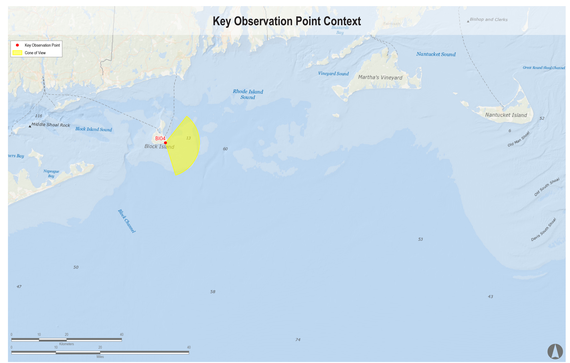

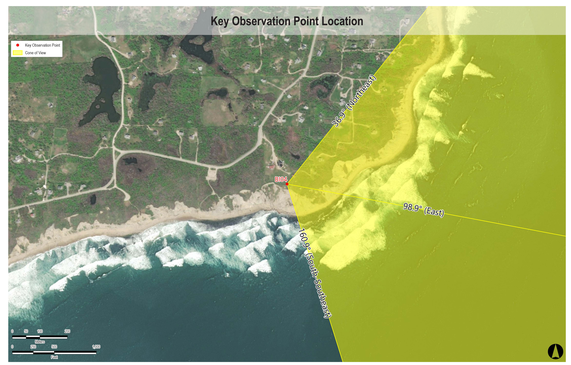



Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: 2023 and 2024 Project Construction (Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

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Key Observation Point Information

County: Washington
Town: New Shoreham
State: Rhode Island
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Direction of View (Center): East (98.9°)
Field of View: 124° x 55°

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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

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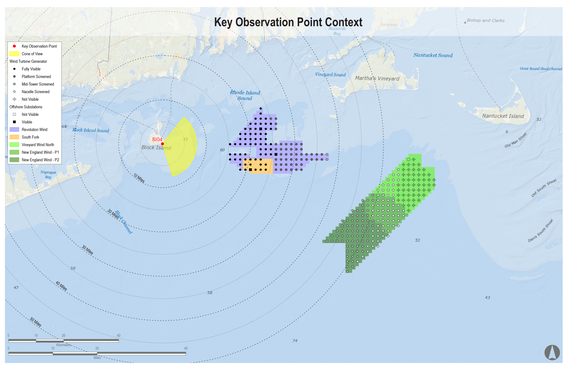
- Photographs were not obtained from NL01 during field review due to public access restrictions. In place of an actual photograph from this location, EDR created a virtual three-dimensional (3D) model of the island.

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
New England Wind Phase 1	2024	16 MW	41	41	48.0	56.6
New England Wind Phase 2	2024	19 MW	79	79	43.1	54.9

Key Observation Point Context


Key Observation Point
Cone of View
Wind Turbine Generator
Fully Visible
Platform Screened
Mid-Tower Screened
Nacelle Screened
Not Visible
Offshore Substations
Not Visible
Visible
Revolution Wind
South Fork
Vineyard Wind North
New England Wind - P1
New England Wind - P2
Block Island
Block Island Sound
Rhode Island Wind
Vineyard Sound
Martha's Vineyard
Nantucket Sound
Nantucket Island
Bishop and Clerks
Great Round Rock/Asteroid
Vineyard Wind
Hydrographic Area
Block Island Transmission System
Old North Shore
New Shoreham
Old South Shore
Corn Neck Road
Cooneymus Rd
Spring St
Water St
Dodge St
Center St
Ocean Ave
Beacon Hill Rd
Mohegan Bluffs
Southeast Lighthouse
Black Rock Point
Corn Neck Rd

Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: 2023 and 2024 Project Construction with Sunrise Wind added (Sunrise Wind, Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

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.

This box should be exactly 1" long on the printed panorama

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

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°

Camera Information

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

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

Notes:

- Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
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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)
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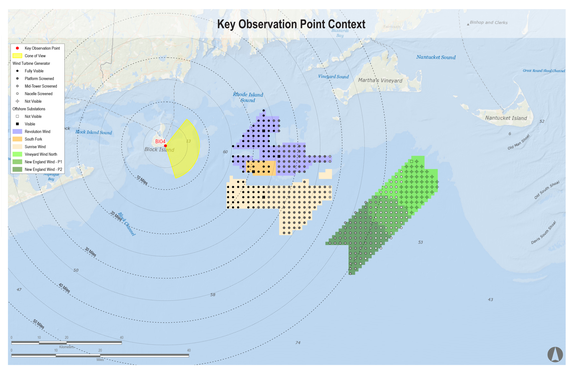
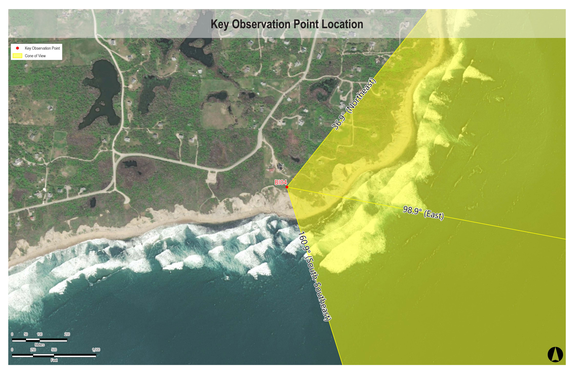
Sunrise Wind	2024	15 MW	123	123	16.9	38.8

Key Observation Point Context



Key Observation Point Location





Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: Full Lease Build-out Including Sunrise Wind

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.

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Environmental Data

Date Taken: 9/10/2017
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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

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
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Aesthetic Resource: Southeast Light National Historic Landmark, Mohegan Bluffs Scenic Area

Notes:

- Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
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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)
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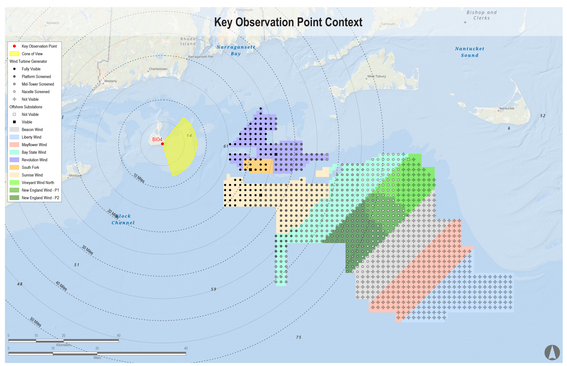
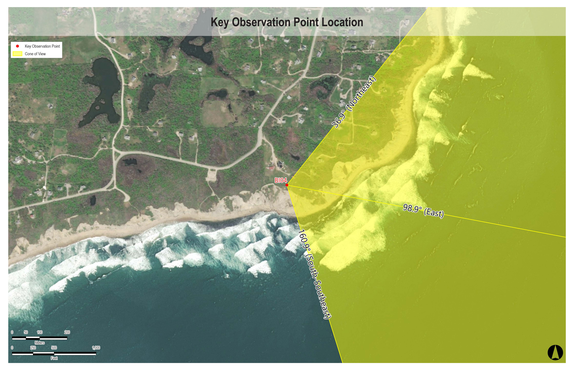
Sunrise Wind	2024	15 MW	123	123	16.9	38.8
Mayflower Wind	2024	12 MW	0	149	NA	NA
Liberty Wind	2025-2030	12 MW	0	139	NA	NA
Beacon Wind	2025-2030	12 MW	13	157	51.6	53.9
Bay State Wind	2025-2030	12 MW	183	185	33.0	53.3

Key Observation Point Context



Key Observation Point Location





Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: Full Lease Build-out Excluding Sunrise Wind

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.

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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

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

Notes:

- Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
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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)
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Liberty Wind	2025-2030	12 MW	0	139	NA	NA
Beacon Wind	2025-2030	12 MW	13	157	51.6	53.9
Bay State Wind	2025-2030	12 MW	183	185	33.0	53.3

Key Observation Point Context

Key Observation Point Location



Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes

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.

This box should be exactly 1" long on the printed panorama

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

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°

Camera Information

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

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

Notes:

- Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
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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)
Sunrise Wind	2024	15 MW	123	123	16.9	38.8

Key Observation Point Context

Key Observation Point Location

Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04 Night: Southeast Lighthouse, New Shoreham, Rhode Island

Existing Conditions

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.

This box should be exactly 1" long on the printed panorama

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

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°

Camera Information

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

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

Notes:

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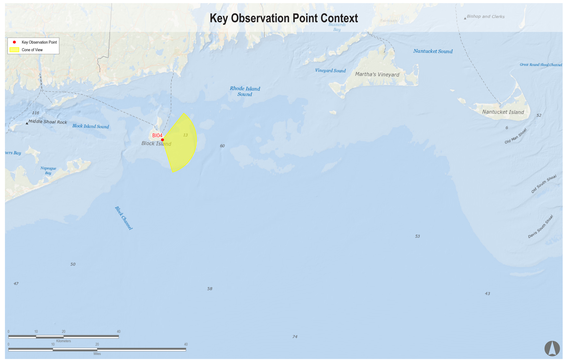

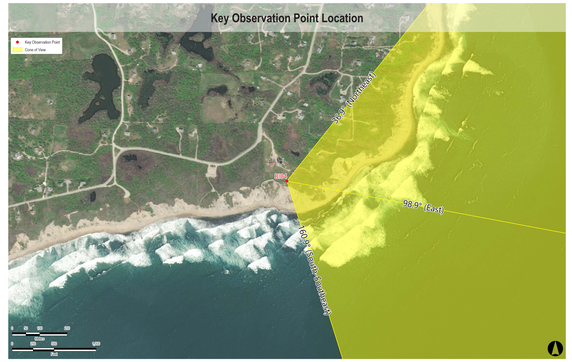

Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04 Night: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: 2023 and 2024 Project Construction (Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

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.

This box should be exactly 1" long on the printed panorama

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

Key Observation Point Information

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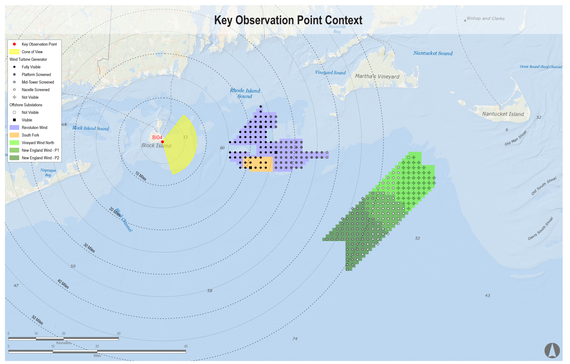
Key Observation Point
Cone of View
Wind Turbine Generator
Fully Visible
Platform Screened
Nacelle Screened
Not Visible
Offshore Substations
Not Visible
Visible
Revolution Wind
South Fork
Vineyard Wind North
New England Wind - P1
New England Wind - P2
BI04
Block Island
Rhode Island Sound
Block Island Sound
Vineyard Sound
Martha's Vineyard
Nantucket Sound
Nantucket Island
Bishop and Clerks
Muskeget Channel
Nantucket Shoals
Tuckernuck Shoal
Muskeget Pas
Great Round Shoal Channel
Great Round Shoal
Old South Shoal
Hedge Fence Shoal
Tuckernuck Island
Muskeget Island
Nantucket Sound
Old Man Shoal
Horseshoe Shoal
Pollock Rip Channel
Pollock Rip
Tuckernuck Shoal
Nantucket Shoals
Muskeget Channel

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Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04 Night: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: 2023 and 2024 Project Construction with Sunrise Wind added (Sunrise Wind, Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

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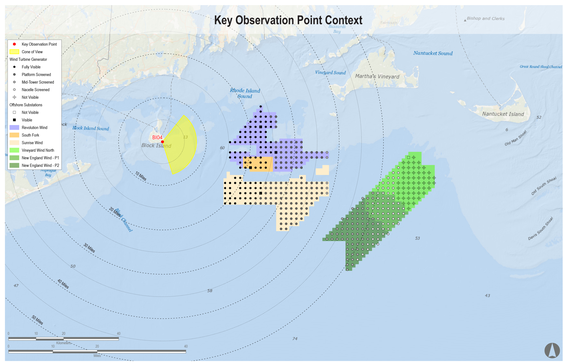
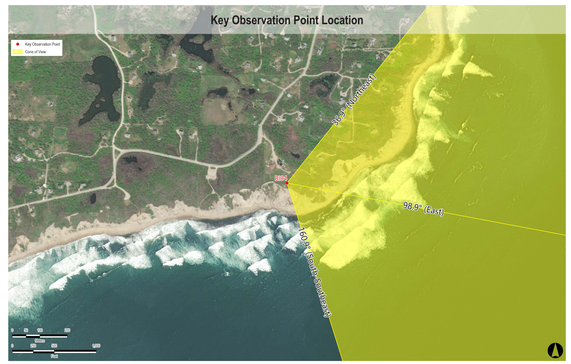
South Fork Wind Farm	2023	12 MW	13	13	19.0	24.0
Vineyard Wind North	2023	14 MW	0	69	NA	NA
Revolution Wind	2023	12 MW	102	102	15.2	37.2
New England Wind Phase 1	2024	16 MW	4	41	48.0	48.8
New England Wind Phase 2	2024	19 MW	58	79	43.1	50.7
Sunrise Wind	2024	15 MW	123	123	16.9	38.2

Key Observation Point Context



Key Observation Point Location



Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04 Night: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: Full Lease Build-out Including Sunrise Wind

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.

This box should be exactly 1" long on the printed panorama

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

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°

Camera Information

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

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

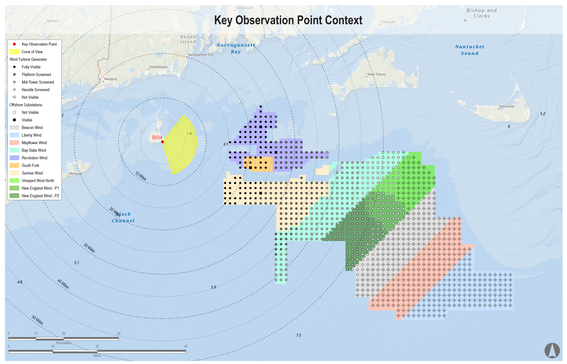
Notes:

- 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 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 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.

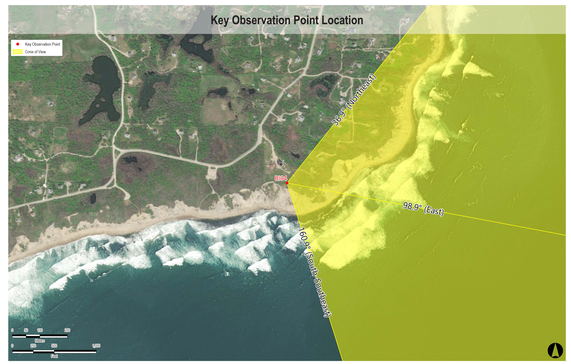
Reasonably Foreseeable Projects Represented in Visual Simulation

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
Revolution Wind	2023	12 MW	102	102	15.2	37.2
New England Wind Phase 1	2024	16 MW	4	41	48.0	48.8
New England Wind Phase 2	2024	19 MW	58	79	43.1	50.7
Sunrise Wind	2024	15 MW	123	123	16.9	38.2
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	134	185	33.0	45.0

Key Observation Point Context



Key Observation Point Location



Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04 Night: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: Full Lease Build-out Excluding Sunrise Wind

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.

This box should be exactly 1" long on the printed panorama

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

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°

Camera Information

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

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

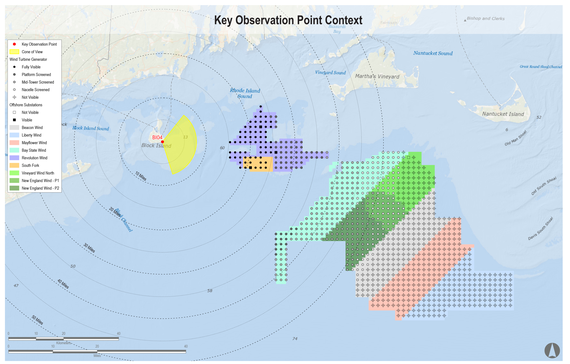
Notes:

- 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 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 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.

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
Revolution Wind	2023	12 MW	102	102	15.2	37.2
New England Wind Phase 1	2024	16 MW	4	41	48.0	48.8
New England Wind Phase 2	2024	19 MW	58	79	43.1	50.7
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	134	185	33.0	45.0

Key Observation Point Context



Key Observation Point Location



Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04 Night: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes

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.

This box should be exactly 1" long on the printed panorama

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

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°

Camera Information

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

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

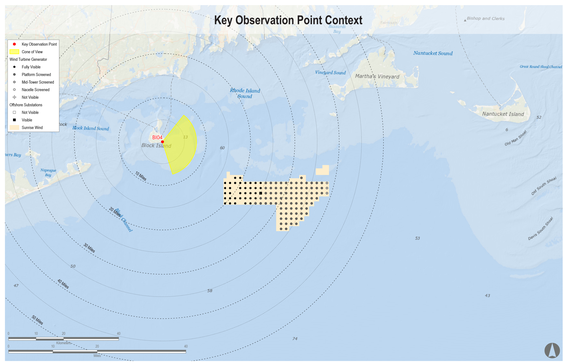
Notes:

- 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 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 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.

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)
Sunrise Wind	2024	15 MW	123	123	16.9	38.2

Key Observation Point Context



Key Observation Point Location



Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

CI01: Cuttyhunk Island, Gosnold, Massachusetts

Existing Conditions

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.

This box should be exactly 1" long on the printed panorama

Environmental Data

Date Taken: 1/18/2018
Time: 1:30 PM
Temperature: 25°F
Humidity: 88%
Visibility: >10 miles
Wind Direction: North-Northwest
Wind Speed: 7 mph
Conditions Observed: Clear

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 151.3 feet AMSL

Key Observation Point Information

County: Dukes
Town: Gosnold
State: Massachusetts
Location: Cuttyhunk Island
Latitude, Longitude: 41.42052° N, 70.93411° W
Direction of View (Center): South-Southwest (193.8°)
Field of View: 124° x 55°

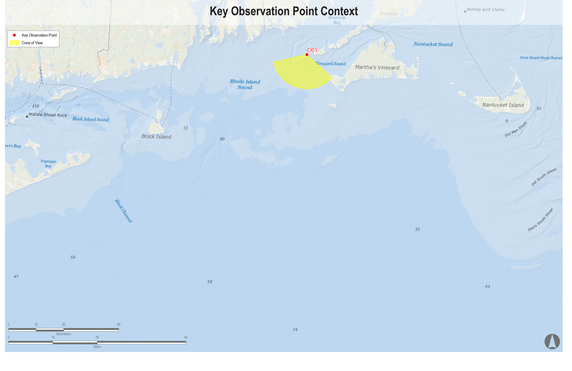
Visual Resources

Landscape Similarity Zone: Coastal Scrub/Scrub Forest
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Elizabeth Islands State Scenic Area, Buzzards Bay

Notes:

- 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 positons 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 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 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.

Key Observation Point Context



Key Observation Point Location





Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

CI01: Cuttyhunk Island, Gosnold, Massachusetts

Visual Simulation: 2023 and 2024 Project Construction (Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

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.

This box should be exactly 1" long on the printed panorama

Environmental Data

Date Taken: 1/18/2018
Time: 1:30 PM
Temperature: 25°F
Humidity: 88%
Visibility: >10 miles
Wind Direction: North-Northwest
Wind Speed: 7 mph
Conditions Observed: Clear

Camera Information

Camera: Canon EOS SD Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 151.3 feet AMSL

Key Observation Point Information

County: Dukes
Town: Gosnold
State: Massachusetts
Location: Cuttyhunk Island
Latitude, Longitude: 41.42052° N, 70.93411° W
Direction of View (Center): South-Southwest (193.8°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Coastal Scrub/Scrub Forest
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Elizabeth Islands State Scenic Area, Buzzards Bay

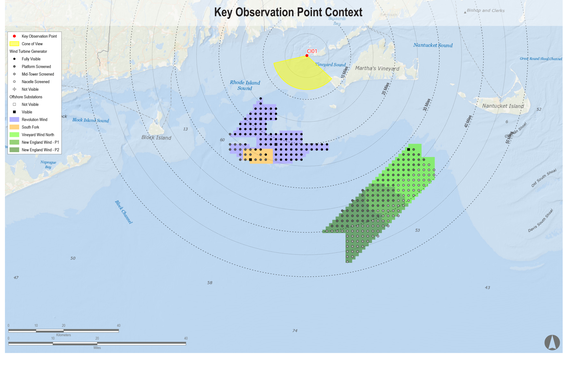
Notes:

- 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 positons 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 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 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.

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	23.6	27.3
Vineyard Wind North	2023	14 MW	69	69	31.2	39.9
Revolution Wind	2023	12 MW	102	102	13.9	27.9
New England Wind Phase 1	2024	16 MW	41	41	32.8	41.6
New England Wind Phase 2	2024	19 MW	79	79	32.9	47.4

Key Observation Point Context



Key Observation Point Location



Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

CI01: Cuttyhunk Island, Gosnold, Massachusetts

Visual Simulation: 2023 and 2024 Project Construction with Sunrise Wind added (Sunrise Wind, Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

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.

This box should be exactly 1" long on the printed panorama

Environmental Data

Date Taken: 1/18/2018
Time: 1:30 PM
Temperature: 25°F
Humidity: 88%
Visibility: >10 miles
Wind Direction: North-Northwest
Wind Speed: 7 mph
Conditions Observed: Clear

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 151.3 feet AMSL

Key Observation Point Information

County: Dukes
Town: Gosnold
State: Massachusetts
Location: Cuttyhunk Island
Latitude, Longitude: 41.42052° N, 70.93411° W
Direction of View (Center): South-Southwest (193.8°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Coastal Scrub/Scrub Forest
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Elizabeth Islands State Scenic Area, Buzzards Bay

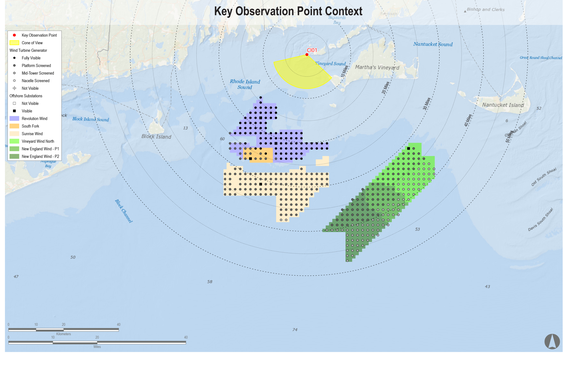
Notes:

- 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 positons 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 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 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.

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	23.6	27.3
Vineyard Wind North	2023	14 MW	69	69	31.2	39.9
Revolution Wind	2023	12 MW	102	102	13.9	27.9
New England Wind Phase 1	2024	16 MW	41	41	32.8	41.6
New England Wind Phase 2	2024	19 MW	79	79	32.9	47.4
Sunrise Wind	2024	15 MW	123	123	25.8	37.8

Key Observation Point Context



Key Observation Point Location





Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

CI01: Cuttyhunk Island, Gosnold, Massachusetts

Visual Simulation: Full Lease Build-out Including Sunrise Wind

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.

This box should be exactly 1" long on the printed panorama

Environmental Data

Date Taken: 1/18/2018
Time: 1:30 PM
Temperature: 25°F
Humidity: 88%
Visibility: >10 miles
Wind Direction: North-Northwest
Wind Speed: 7 mph
Conditions Observed: Clear

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 151.3 feet AMSL

Key Observation Point Information

County: Dukes
Town: Gosnold
State: Massachusetts
Location: Cuttyhunk Island
Latitude, Longitude: 41.42052° N, 70.93411° W
Direction of View (Center): South-Southwest (193.8°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Coastal Scrub/Scrub Forest
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Elizabeth Islands State Scenic Area, Buzzards Bay

Notes:

- 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.
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- Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of existing light sources.
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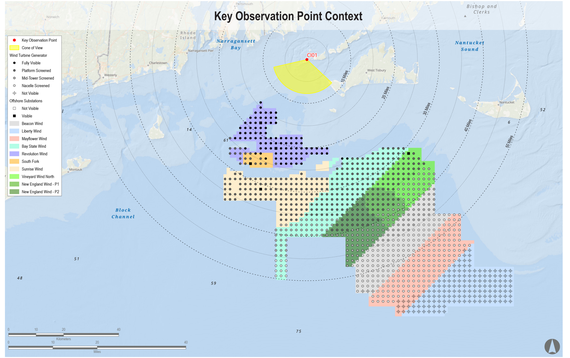
- Photographs were not obtained from NL01 during field review due to public access restrictions. In place of an actual photograph from this location, EDR created a virtual three-dimensional (3D) model of the island.

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	23.6	27.3
Vineyard Wind North	2023	14 MW	69	69	31.2	39.9
Revolution Wind	2023	12 MW	102	102	13.9	27.9
New England Wind Phase 1	2024	16 MW	41	41	32.8	41.6
New England Wind Phase 2	2024	19 MW	79	79	32.9	47.4
Sunrise Wind	2024	15 MW	123	123	25.8	37.8
Mayflower Wind	2024	12 MW	138	149	48.3	58.2
Liberty Wind	2025-2030	12 MW	0	139	NA	NA
Beacon Wind	2025-2030	12 MW	154	157	40.2	53.6
Bay State Wind	2025-2030	12 MW	185	185	23.7	49.4

Key Observation Point Context



Key Observation Point Location



Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

CI01: Cuttyhunk Island, Gosnold, Massachusetts

Visual Simulation: Full Lease Build-out Excluding Sunrise Wind

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.

This box should be exactly 1" long on the printed panorama

Environmental Data

Date Taken: 1/18/2018
Time: 1:30 PM
Temperature: 25°F
Humidity: 88%
Visibility: >10 miles
Wind Direction: North-Northwest
Wind Speed: 7 mph
Conditions Observed: Clear

Camera Information

Camera: Canon EOS SD Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 151.3 feet AMSL

Key Observation Point Information

County: Dukes
Town: Gosnold
State: Massachusetts
Location: Cuttyhunk Island
Latitude, Longitude: 41.42052° N, 70.93411° W
Direction of View (Center): South-Southwest (193.8°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Coastal Scrub/Scrub Forest
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Elizabeth Islands State Scenic Area, Buzzards Bay

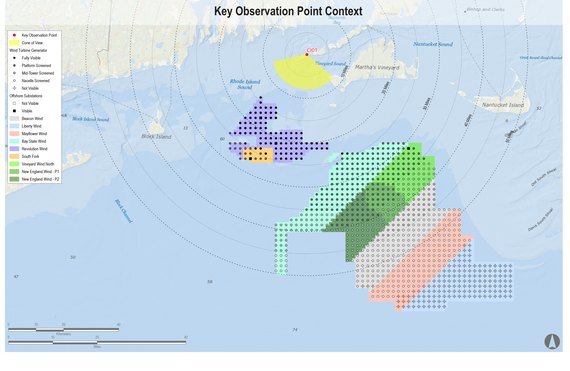
Notes:

- 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 positons 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 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 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.

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	23.6	27.3
Vineyard Wind North	2023	14 MW	69	69	31.2	39.9
Revolution Wind	2023	12 MW	102	102	13.9	27.9
New England Wind Phase 1	2024	16 MW	41	41	32.8	41.6
New England Wind Phase 2	2024	19 MW	79	79	32.9	47.4
Mayflower Wind	2024	12 MW	138	149	48.3	58.2
Liberty Wind	2025-2030	12 MW	0	139	NA	NA
Beacon Wind	2025-2030	12 MW	154	157	40.2	53.6
Bay State Wind	2025-2030	12 MW	185	185	23.7	49.4

Key Observation Point Context



Key Observation Point Location





Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

CI01: Cuttyhunk Island, Gosnold, Massachusetts

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes

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.

This box should be exactly 1" long on the printed panorama

Environmental Data

Date Taken: 1/18/2018
Time: 1:30 PM
Temperature: 25°F
Humidity: 88%
Visibility: >10 miles
Wind Direction: North-Northwest
Wind Speed: 7 mph
Conditions Observed: Clear

Camera Information

Camera: Canon EOS SD Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 151.3 feet AMSL

Key Observation Point Information

County: Dukes
Town: Gosnold
State: Massachusetts
Location: Cuttyhunk Island
Latitude, Longitude: 41.42052° N, 70.93411° W
Direction of View (Center): South-Southwest (193.8°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Coastal Scrub/Scrub Forest
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Elizabeth Islands State Scenic Area, Buzzards Bay

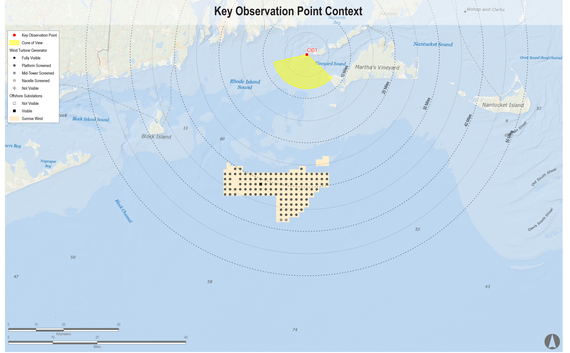
Notes:

- 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 positons 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 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 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.

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)
Sunrise Wind	2024	15 MW	123	123	25.8	37.8

Key Observation Point Context



Key Observation Point Location