Appendix I Seascape, Landscape, and Visual Impacts Assessment

ATTACHMENT I-5

Selected Key Observation Points Cumulative Assessment Visual Simulations

(Source: EDR 2022a, Sunrise Wind 2023)



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Appendix A: Sunrise Wind Cumulative Visual Simulations

Al03: Newport Cliff Walk, Newport, Rhode Island

Existing Conditions

Eversource

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm

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 Height: 22.8 feet AMSL

County: Newport Town: Newport

Key Observation Point Information

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°

Recreation Trail, Newport National Historic Landmark

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

• 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

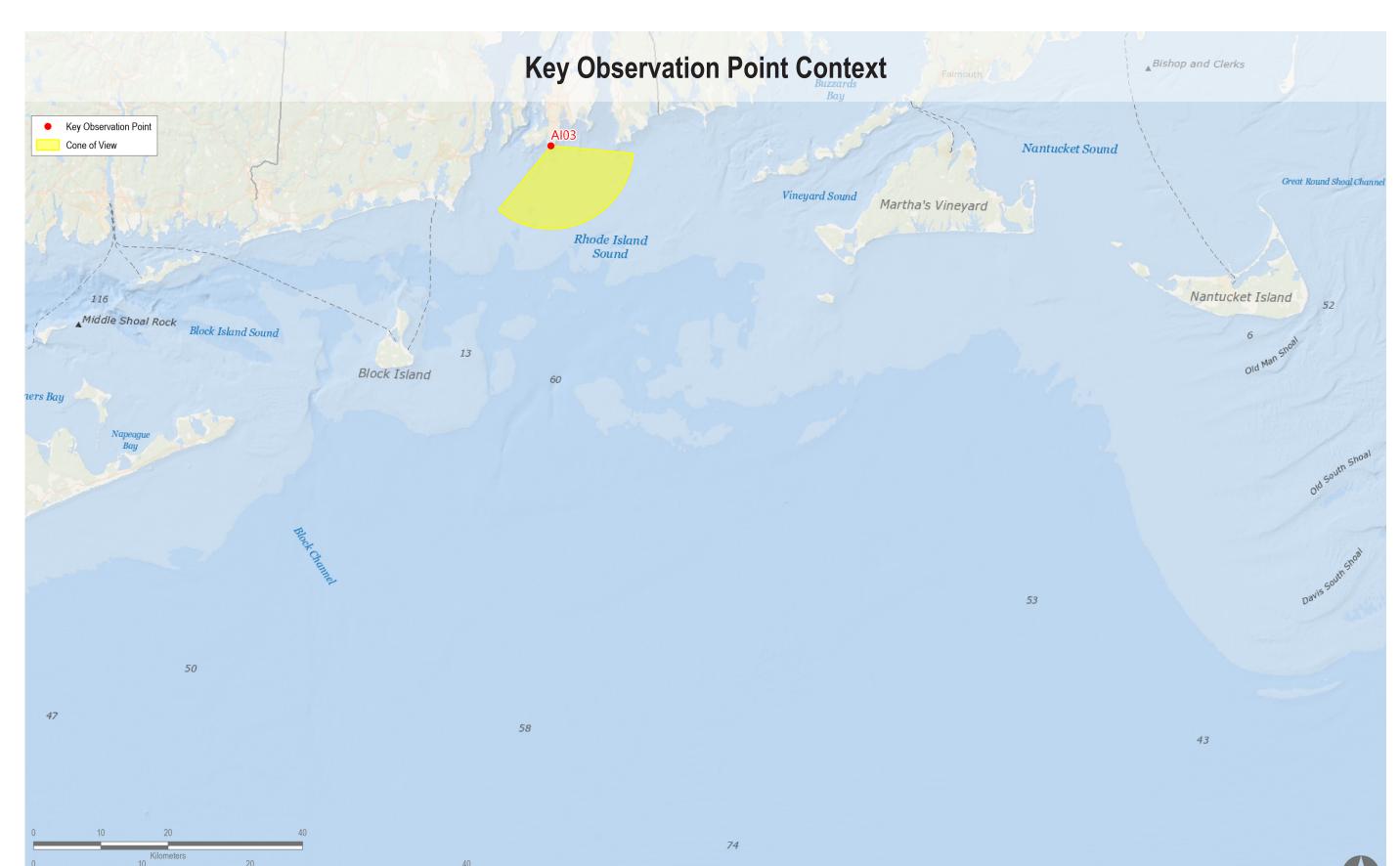
structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography. Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used for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

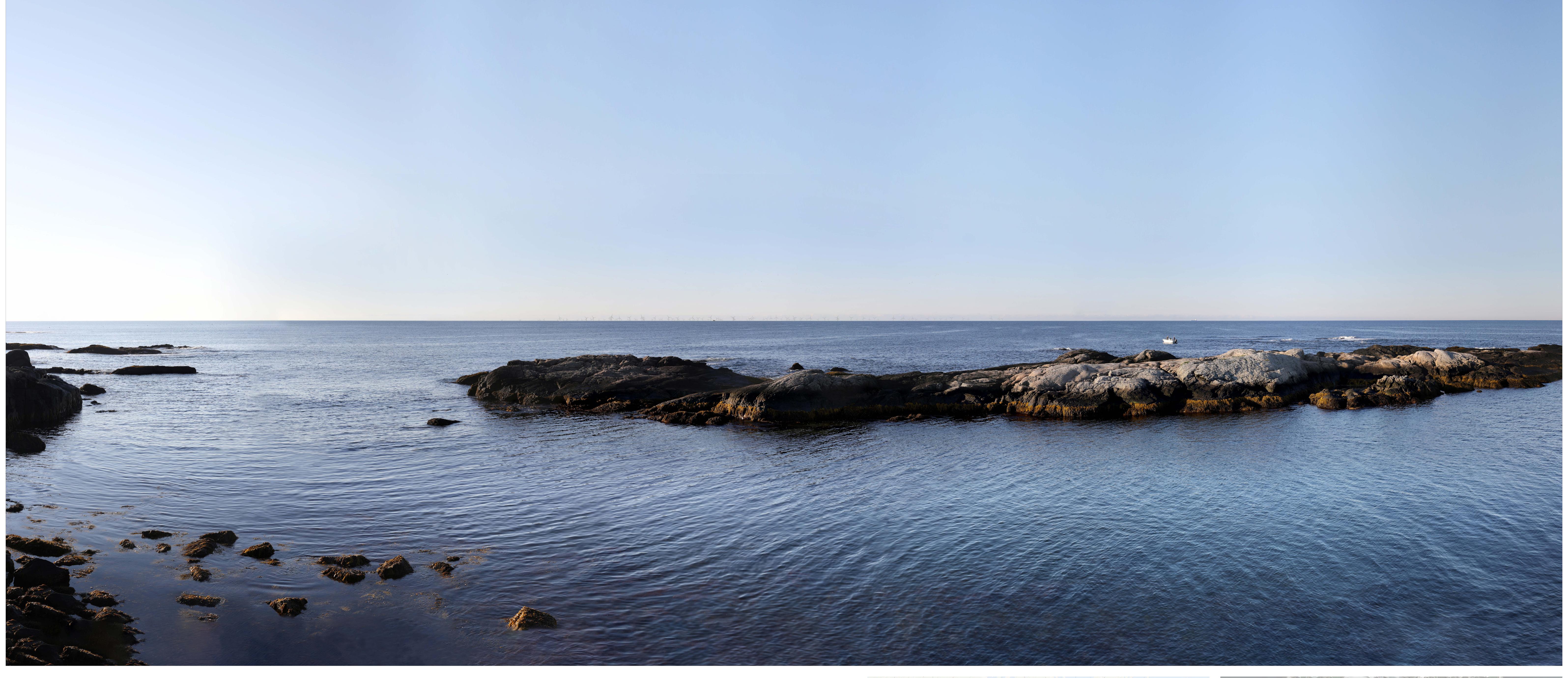
perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed

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.







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Appendix A: Sunrise Wind Cumulative Visual Simulations

Al03: 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)**

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

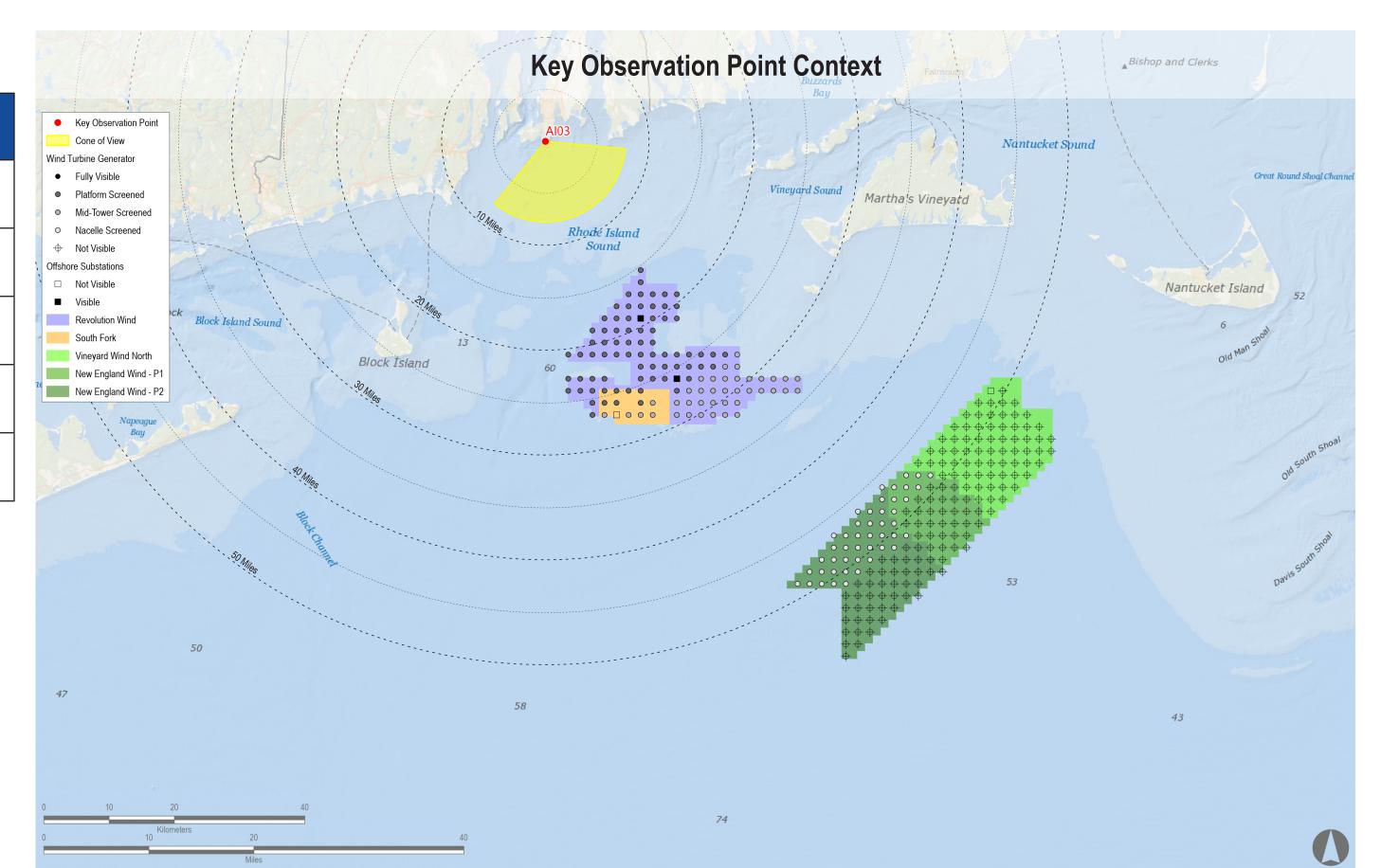
Landscape Similarity Zone: Maintained Recreation Area, Shoreline Residential User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Newport/Ocean Drive State Scenic Area, Cliff Walk National Recreation Trail, Newport National Historic Landmark

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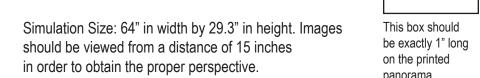
• Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of

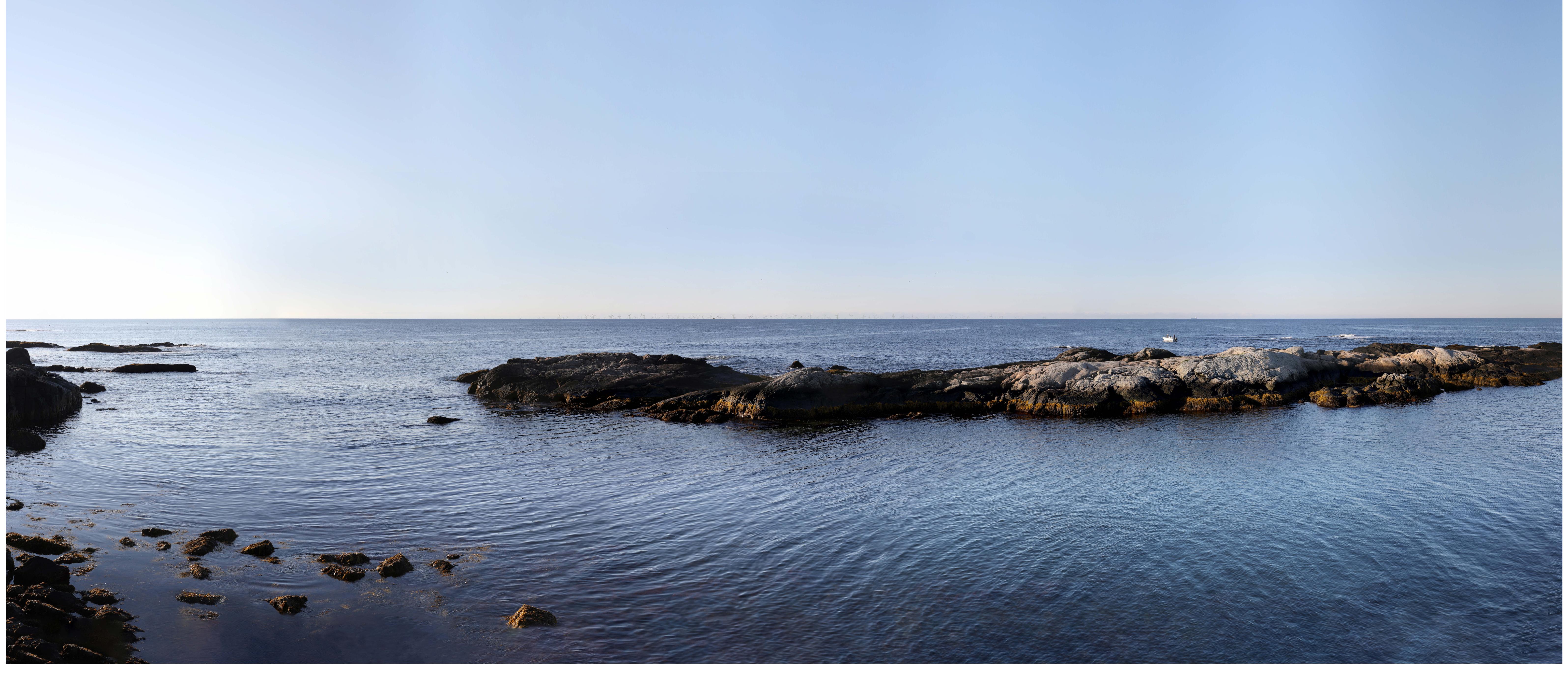
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- perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed
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| Project | Year of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









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Appendix A: Sunrise Wind Cumulative Visual Simulations

Al03: 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)

Environmental Data Date Taken: 7/26/2017 **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

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

Key Observation Point Information

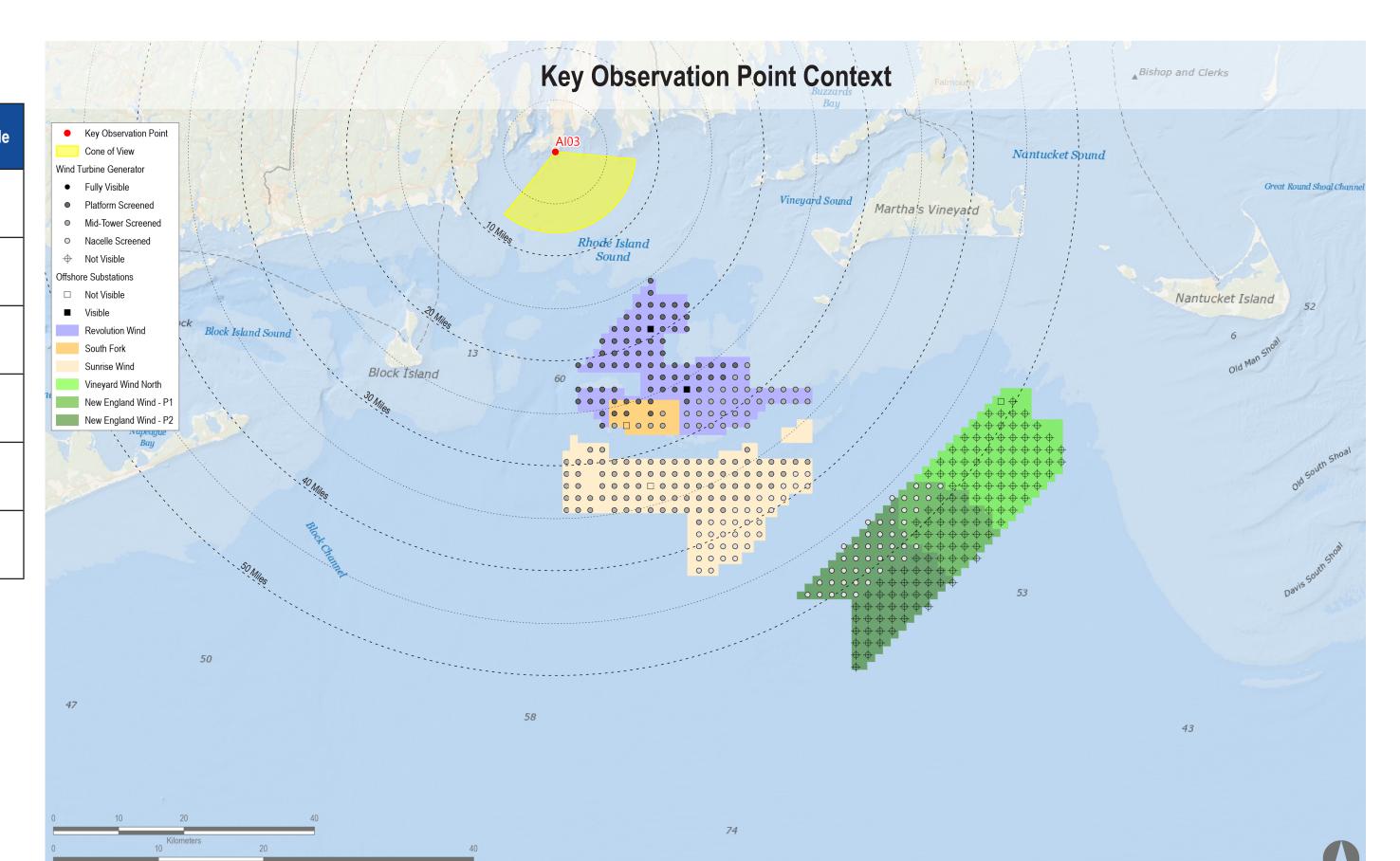
County: Newport Town: Newport State: Rhode Island Location: Aquidneck Island Latitude, Longitude: 41.45119° N, 71.31157° W **Direction of View (Center):** South-Southeast (155.7°) Field of View: 124° x 55°

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

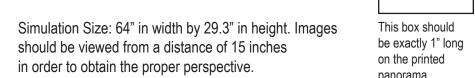
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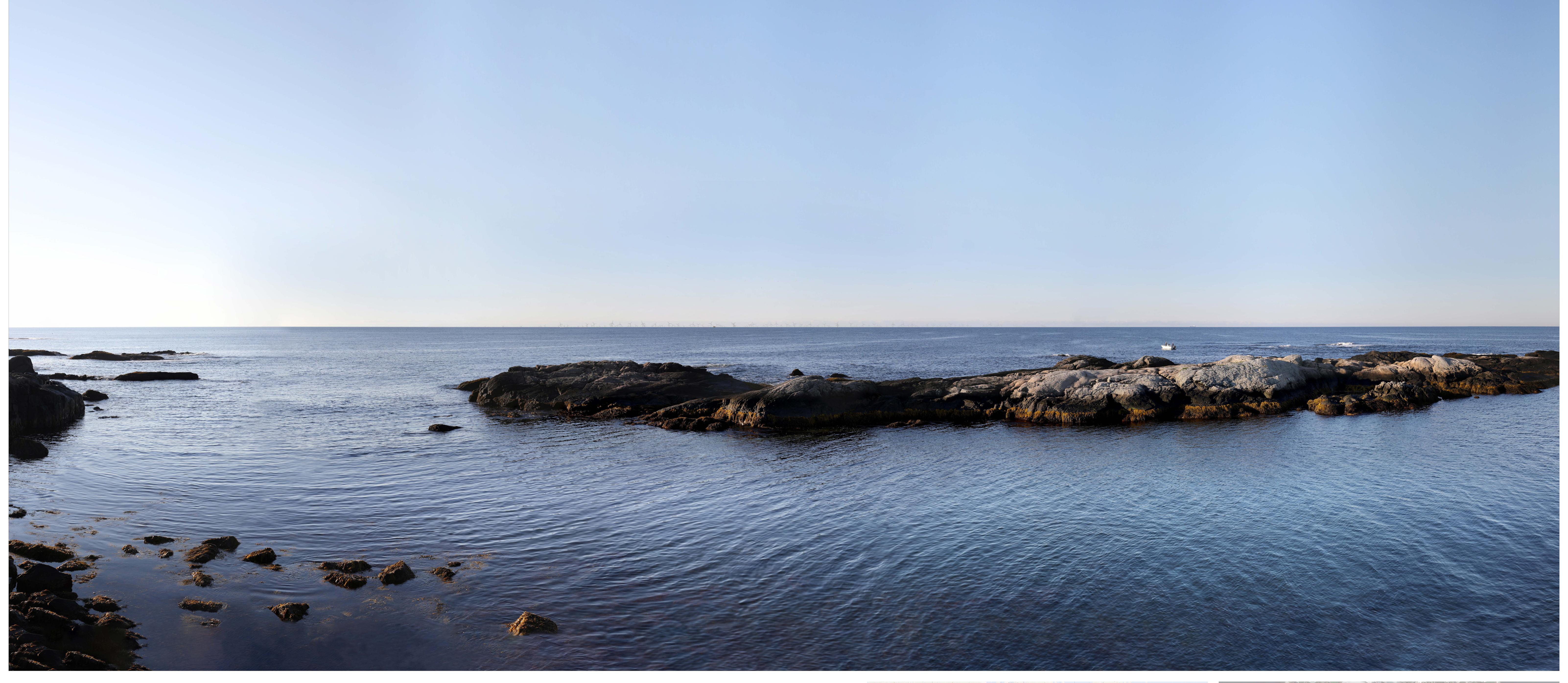
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- WTG, this degree of atmospheric perspective is not applied to the photosimulations. Photographs were not obtained from NL01 during field review due to public access restrictions. In place of an actual photograph from this location, EDR created a virtual

| 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 |
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| 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 |









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Appendix A: Sunrise Wind Cumulative Visual Simulations

Al03: Newport Cliff Walk, Newport, Rhode Island

Visual Simulation: Full Lease Build-out Including Sunrise Wind

Environmental Data Date Taken: 7/26/2017 **Time:** 7:03 AM **Temperature:** 59°F Humidity: 96%
Visibility: >10 miles Wind Direction: Calm

Conditions Observed: Fair

Wind Speed: 0 mph

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°

User Group: Local Resident, Tourist/Vacationers

Landscape Similarity Zone: Maintained Recreation Area, Shoreline Residential

Aesthetic Resource: Newport/Ocean Drive State Scenic Area, Cliff Walk National Recreation Trail, Newport National Historic Landmark

Visual Resources

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

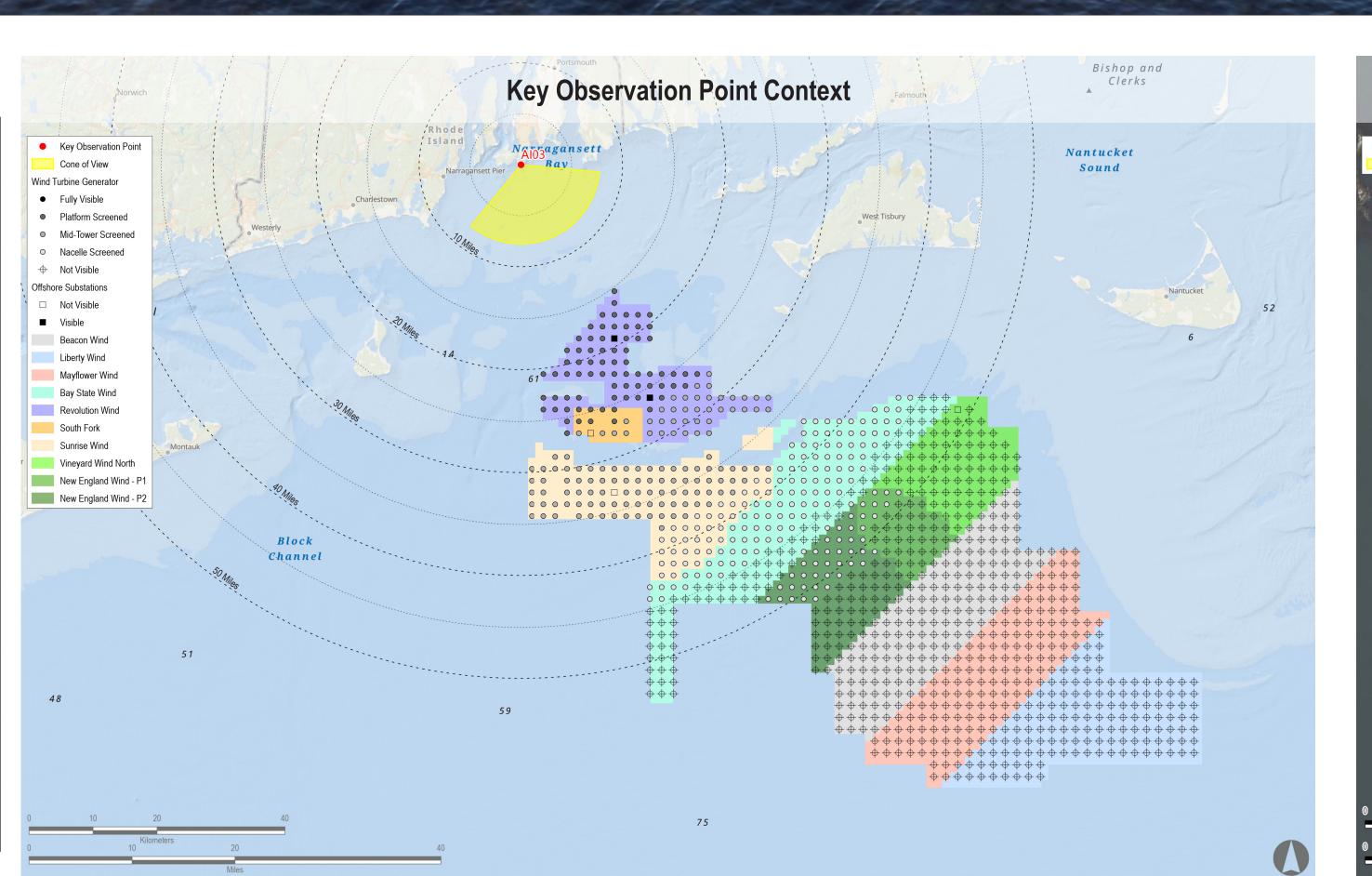
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• The existing WTGs associated with the Block Island Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric

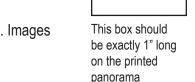
perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed

- 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
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| 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 |
| 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 |









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Appendix A: Sunrise Wind Cumulative Visual Simulations

Al03: Newport Cliff Walk, Newport, Rhode Island

Visual Simulation: Full Lease Build-out Excluding Sunrise Wind

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 Notes:

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

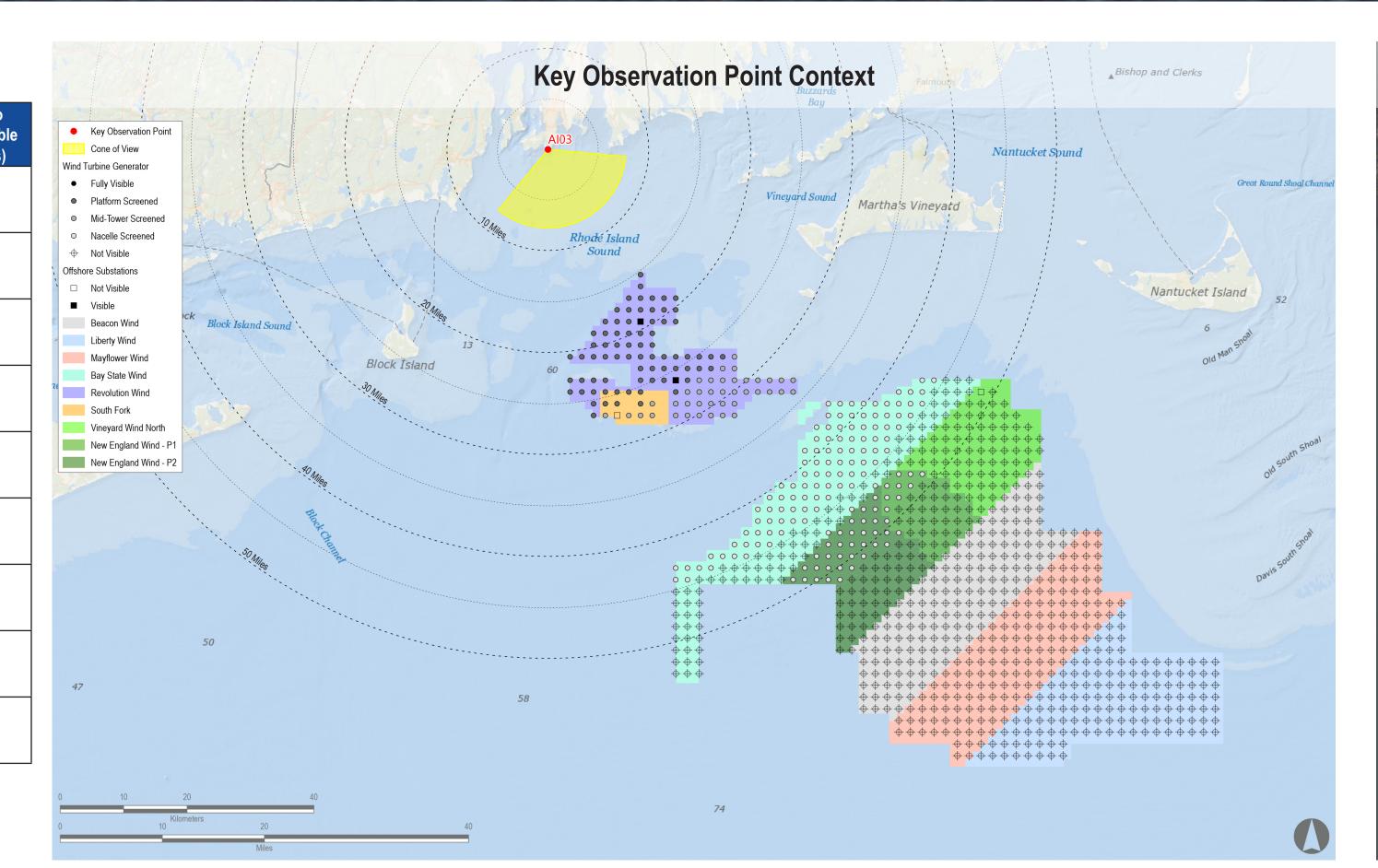
Key Observation Point Information

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°

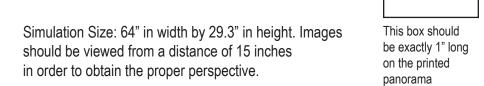
Visual Resources Landscape Similarity Zone: Maintained Recreation Area, Shoreline Residential User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Newport/Ocean Drive State Scenic Area, Cliff Walk National Recreation Trail, Newport National Historic Landmark

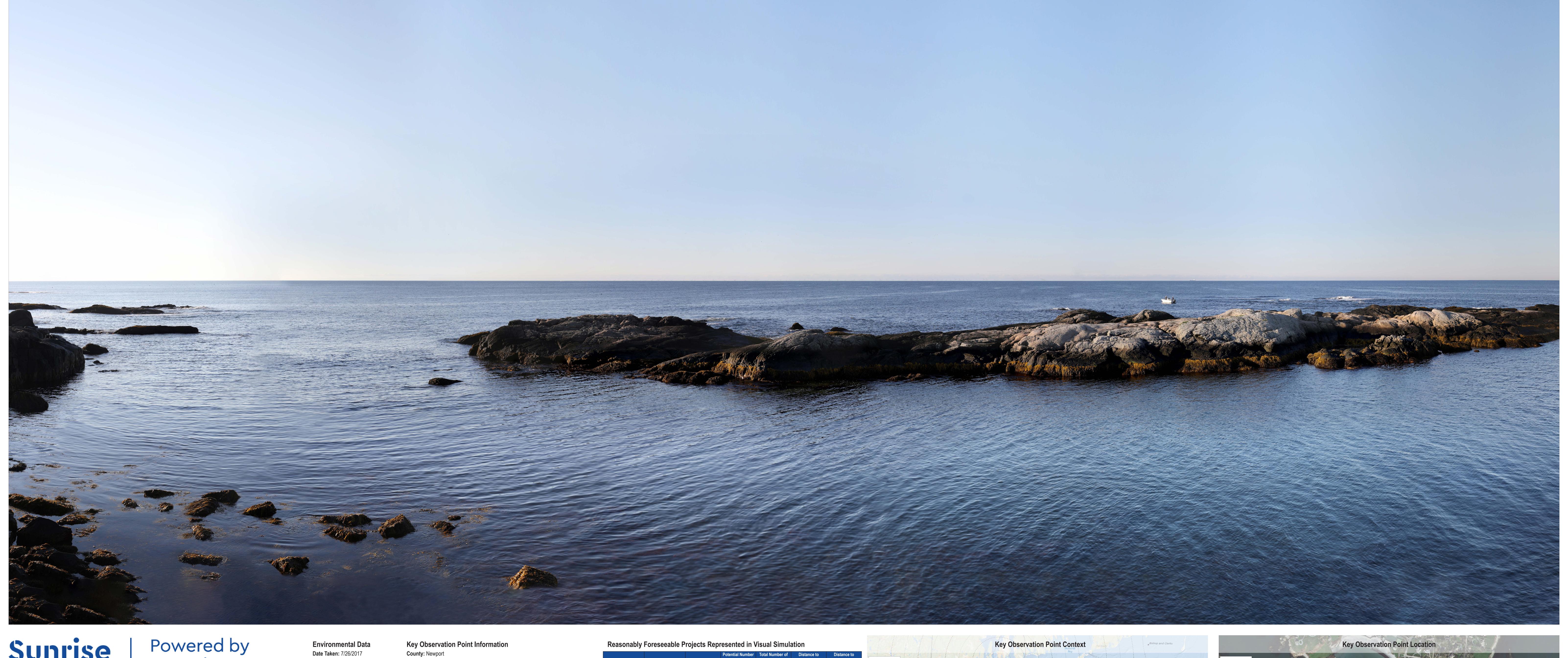
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| Project | Year of Development | WTG Model | Potential Number of WTGs & OSSs Visible* | Total Number of WTGs & OSSs in Project | Distance to Nearest Visible WTG (miles) | Distance to Furthest Visible WTG (miles) | |
|-----------------------------|---------------------|-----------|--|--|---|--|--|
| 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 | |
| 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 | |









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Appendix A: Sunrise Wind Cumulative Visual Simulations

Al03: Newport Cliff Walk, Newport, Rhode Island

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes

Time: 7:03 AM **Temperature:** 59°F Humidity: 96%
Visibility: >10 miles Wind Direction: Calm

Wind Speed: 0 mph

Notes:

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

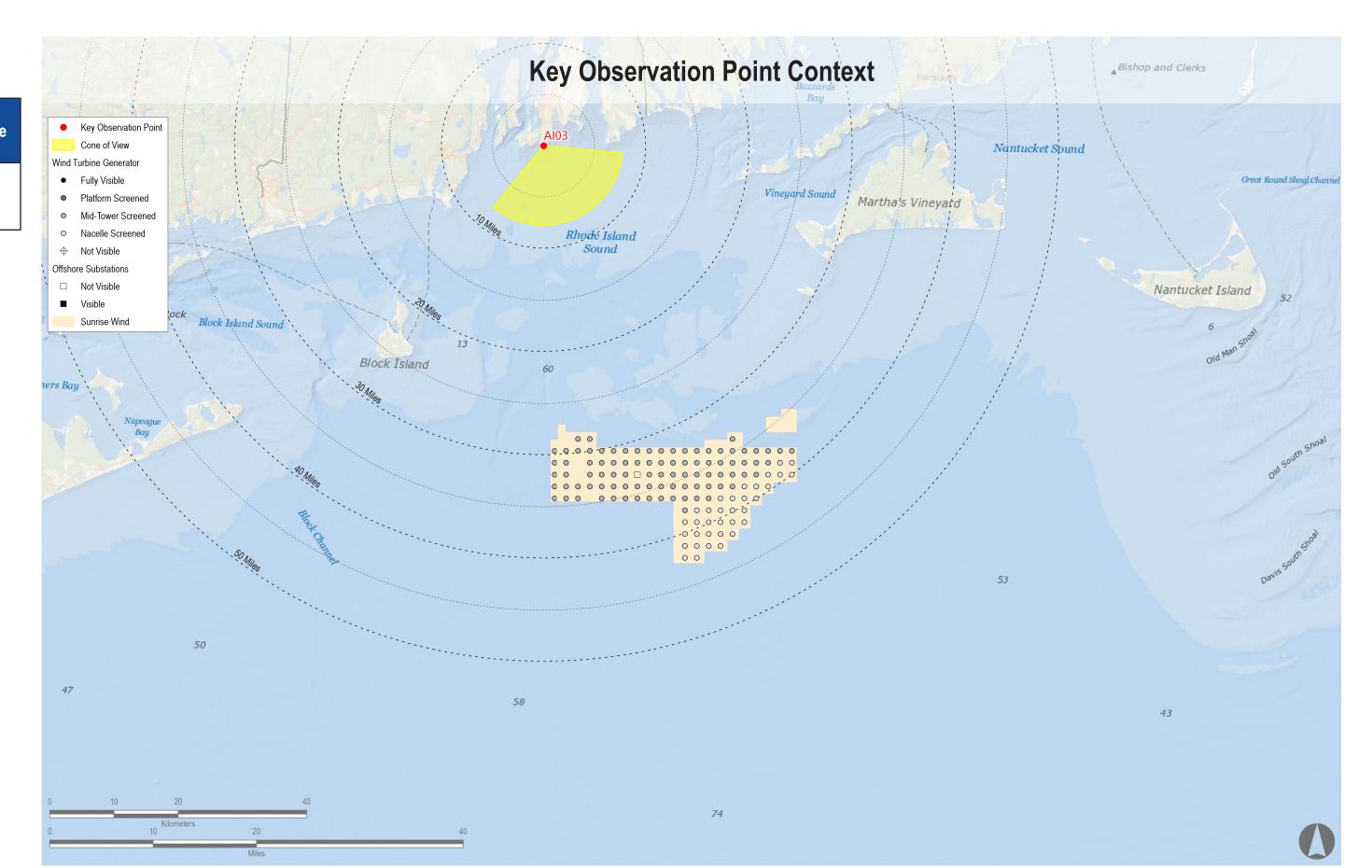
three-dimensional (3D) model of the island.

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°

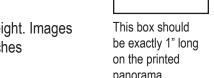
Visual Resources Landscape Similarity Zone: Maintained Recreation Area, Shoreline Residential User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Newport/Ocean Drive State Scenic Area, Cliff Walk National Recreation Trail, Newport National Historic Landmark

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| • | | • | | | | |
|--------------|---------------------|-----------|--|--|---|--|
| 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 |









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Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04: Southeast Lighthouse, New Shoreham, Rhode Island

Existing Conditions

Eversource

Camera Height: 161.1 feet AMSL Notes:

Conditions Observed: Clear **Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm

Environmental Data

Date Taken: 9/10/2017

Time: 12:20 PM

Humidity: 63%

Temperature: 68°F

Visibility: >10 miles

Wind Speed: 8 mph

Wind Direction: Northeast

Visual Resources Landscape Similarity Zone: Maintained Recreation Area, Coastal Bluff

Key Observation Point Information

Latitude, Longitude: 41.15281° N, 71.55185° W

Direction of View (Center): East (98.9°)

County: Washington

State: Rhode Island

Town: New Shoreham

Location: Block Island

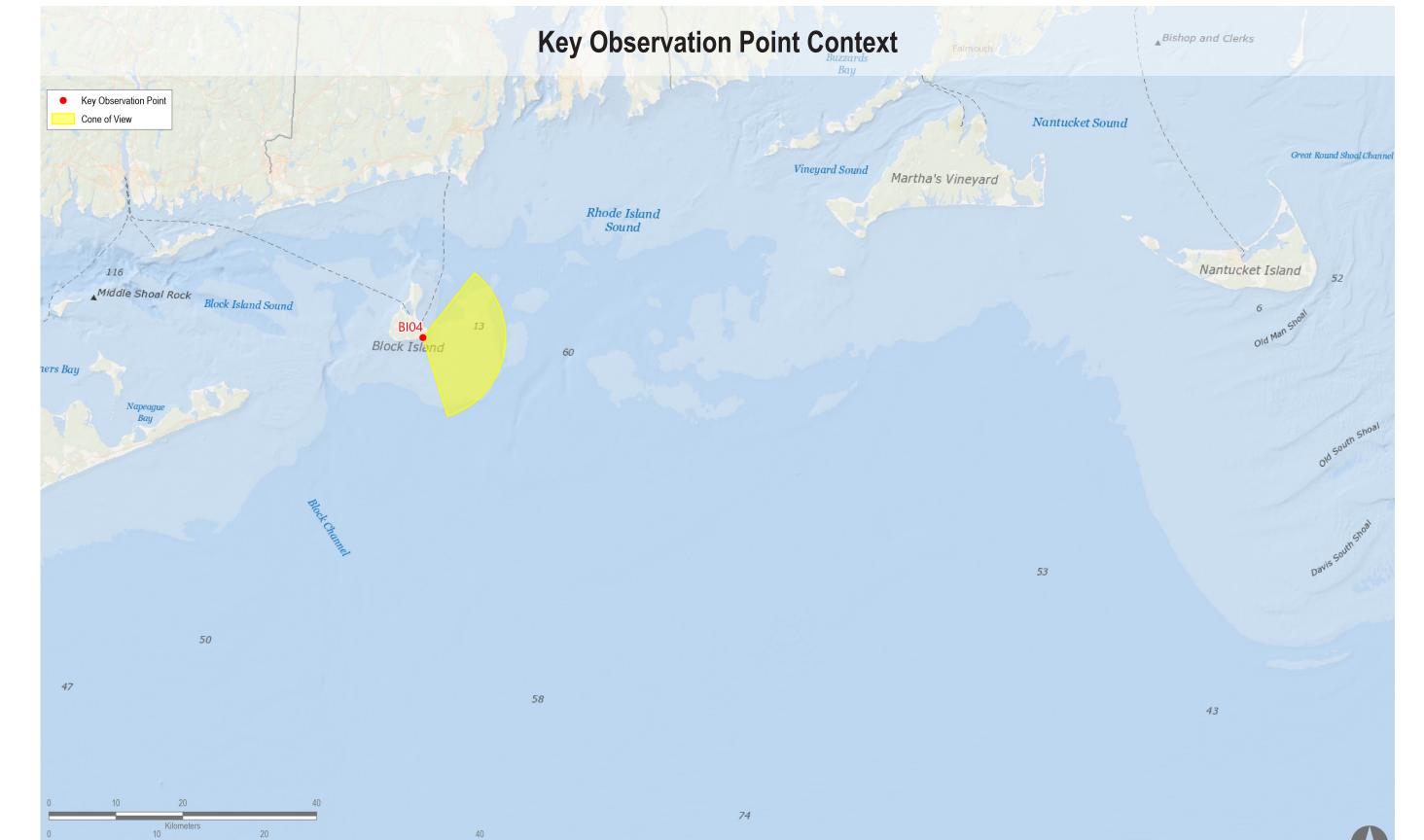
Field of View: 124° x 55°

User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Southeast Light National Historic Landmark, Mohegan Bluffs

- 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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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)**

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

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

Notes:

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

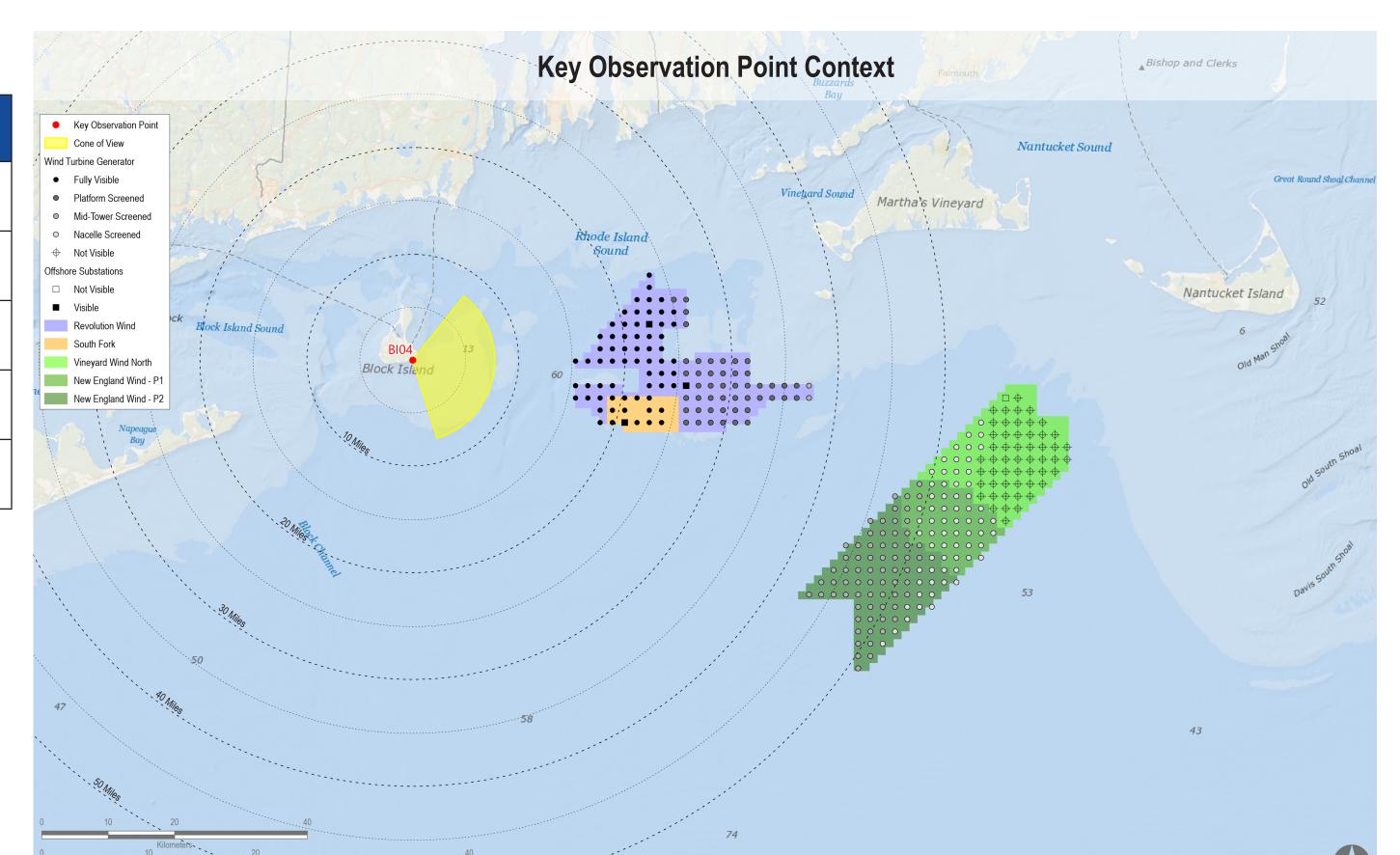
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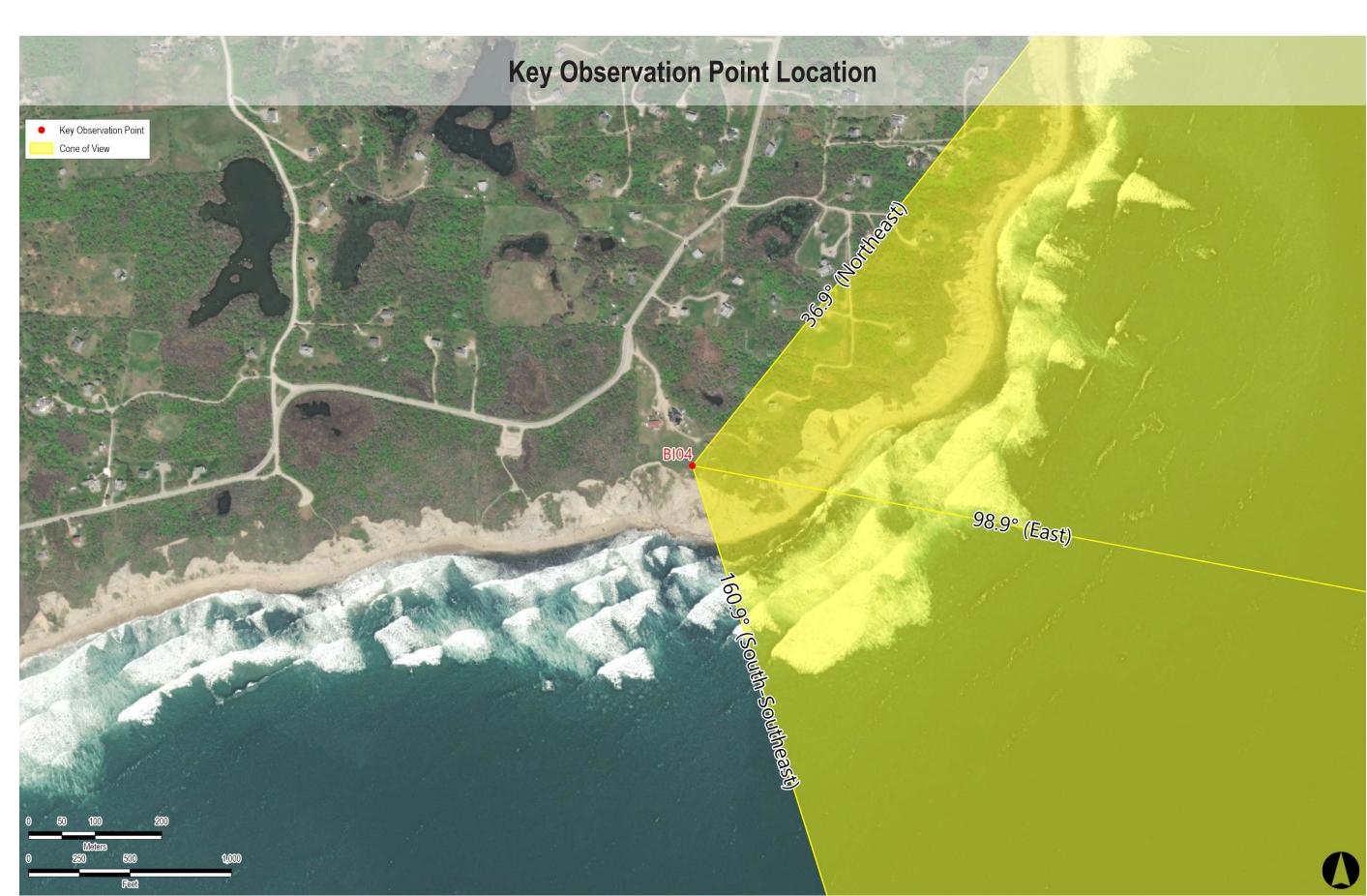
- structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography. Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used
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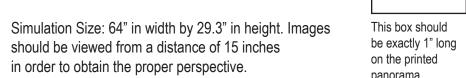
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|-----------------------------|---------------------|-----------|--|--|---|--|
| South Fork Wind Farm | 2023 | 12 MW | 13 | 13 | 19.0 | 24.0 |
| Vineyard Wind North | 2023 | 14 MW | 15 | 69 | 49.6 | 53.7 |
| Revolution Wind | 2023 | 12 MW | 102 | 102 | 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 |









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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)

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:

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

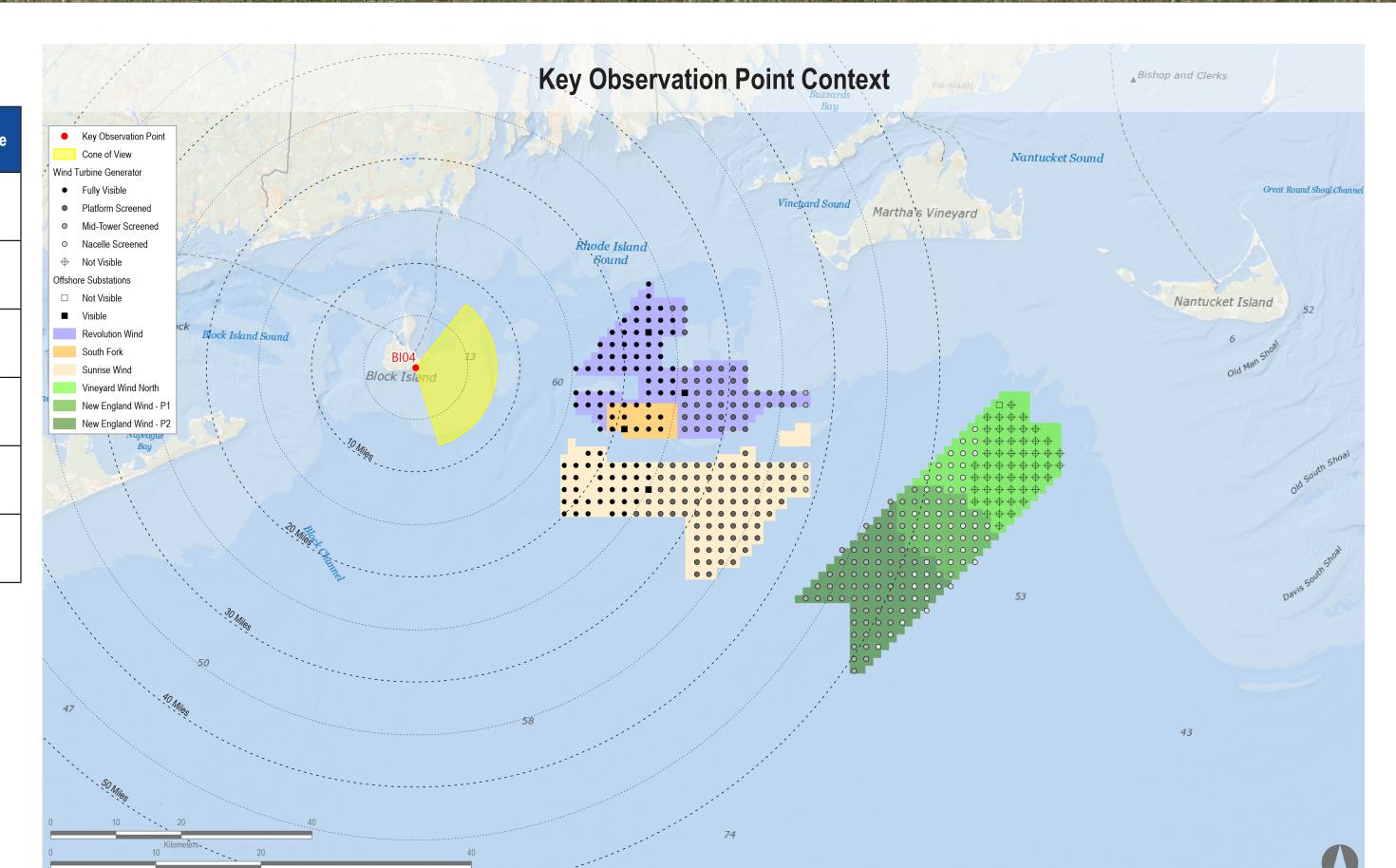
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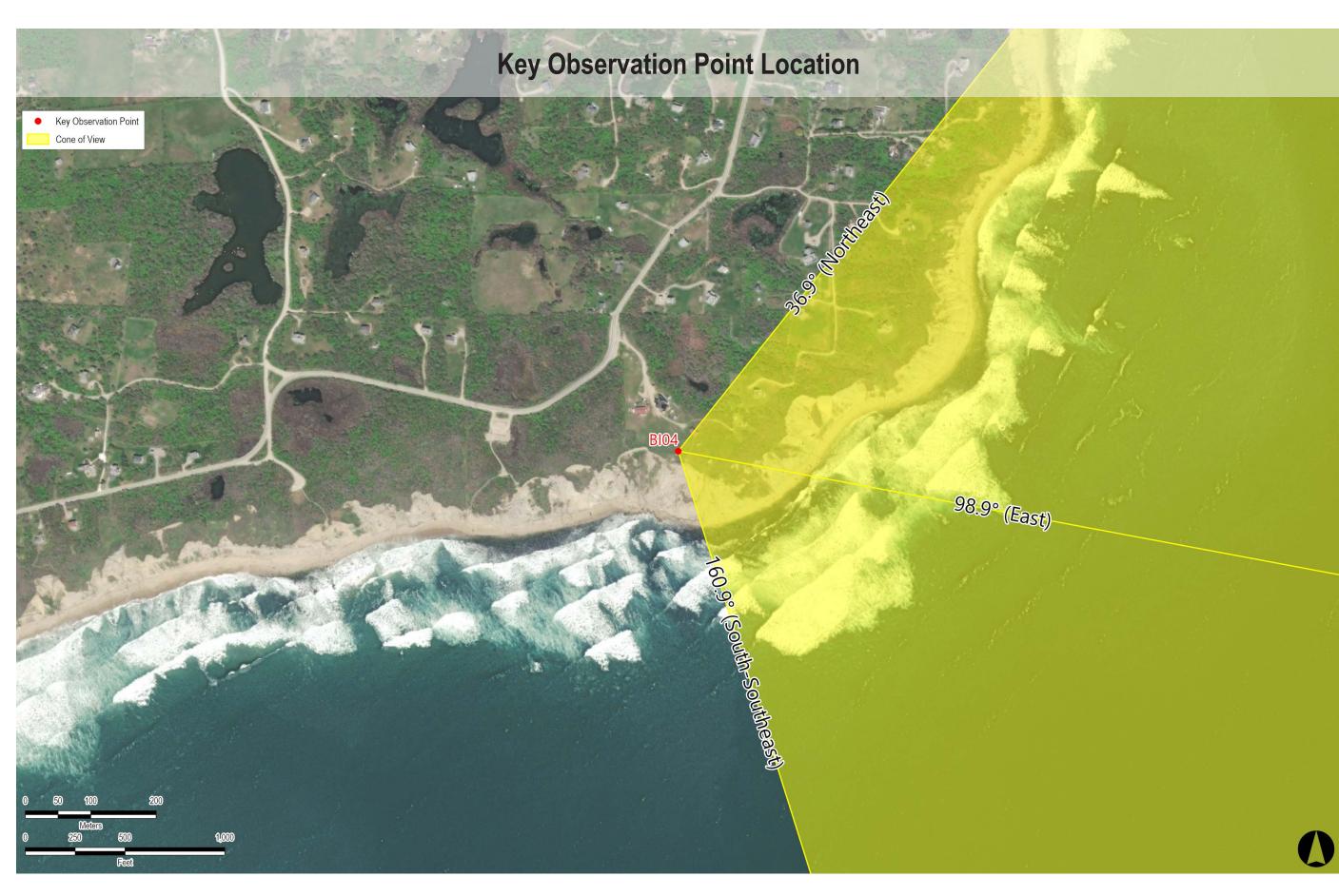
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- structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.
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- The existing WTGs associated with the Block Island Wind Farm are 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

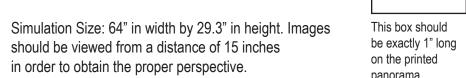
Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of

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.

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|-----------------------------|---------------------|-----------|--|--|---|--|
| 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 |
| Sunrise Wind | 2024 | 15 MW | 123 | 123 | 16.9 | 38.8 |









Sunrise

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Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: Full Lease Build-out Including Sunrise Wind

Environmental Data Date Taken: 9/10/2017 **Time:** 12:20 PM **Temperature:** 68°F Humidity: 63%

Conditions Observed: Clear

County: Washington Town: New Shoreham State: Rhode Island Location: Block Island Visibility: >10 miles Latitude, Longitude: 41.15281° N, 71.55185° W Wind Direction: Northeast Wind Speed: 8 mph

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm

Camera Height: 161.1 feet AMSL

Notes:

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

Key Observation Point Information

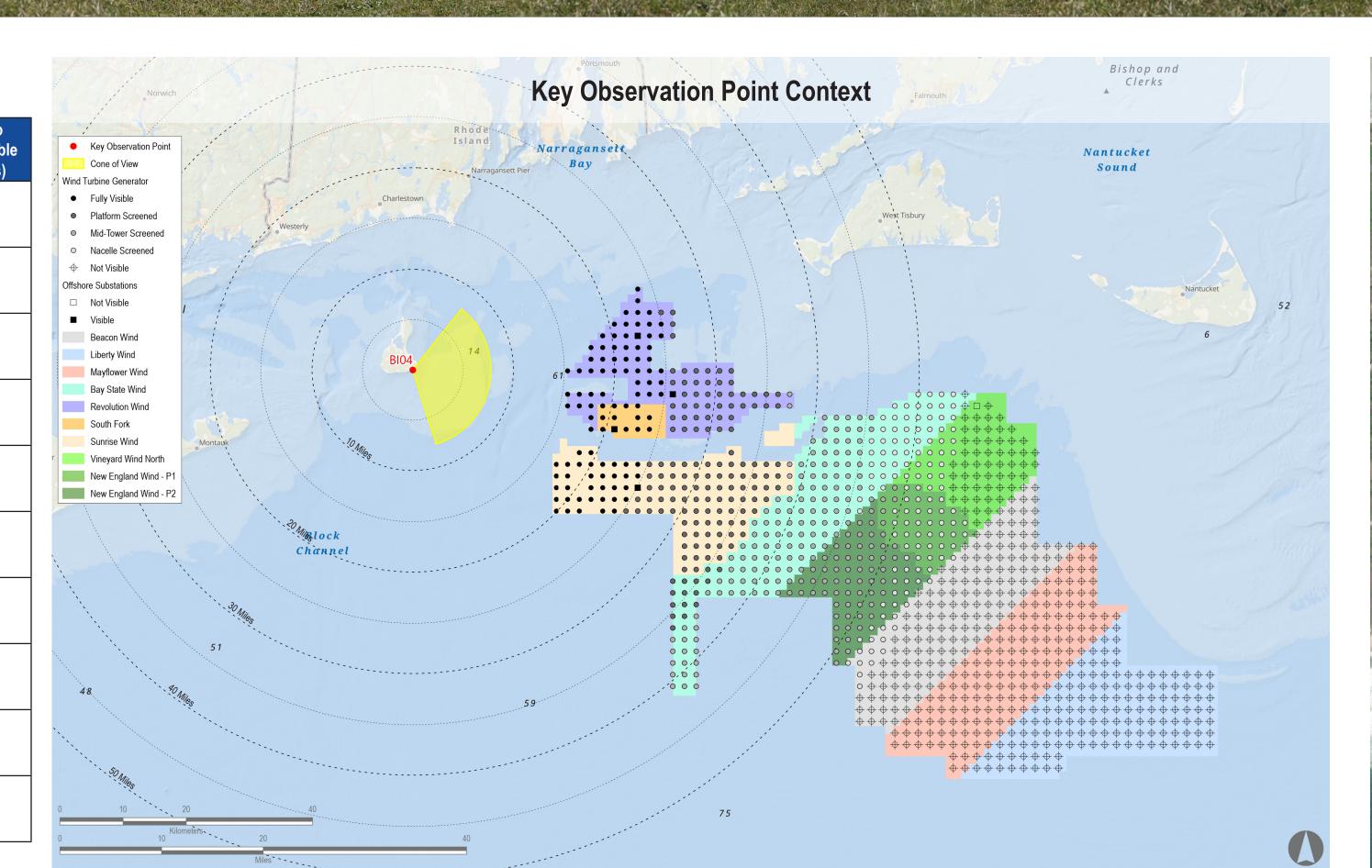
• Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.

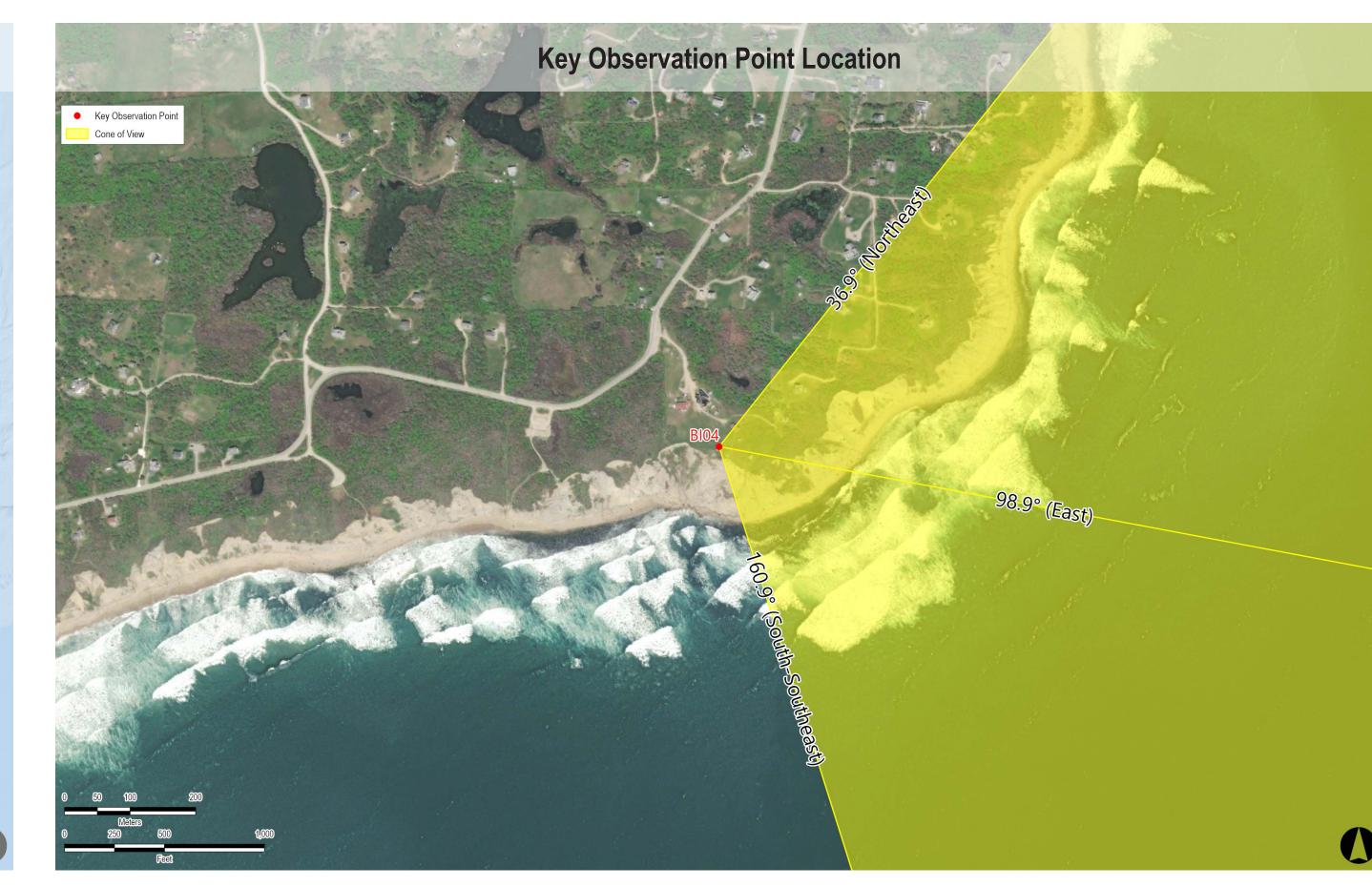
• The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum

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

- 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 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.

| 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 |
| 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 |









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Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: Full Lease Build-out Excluding Sunrise Wind

Environmental Data Date Taken: 9/10/2017 **Time:** 12:20 PM **Temperature:** 68°F

Conditions Observed: Clear

Notes:

Humidity: 63% Visibility: >10 miles Wind Direction: Northeast Wind Speed: 8 mph

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

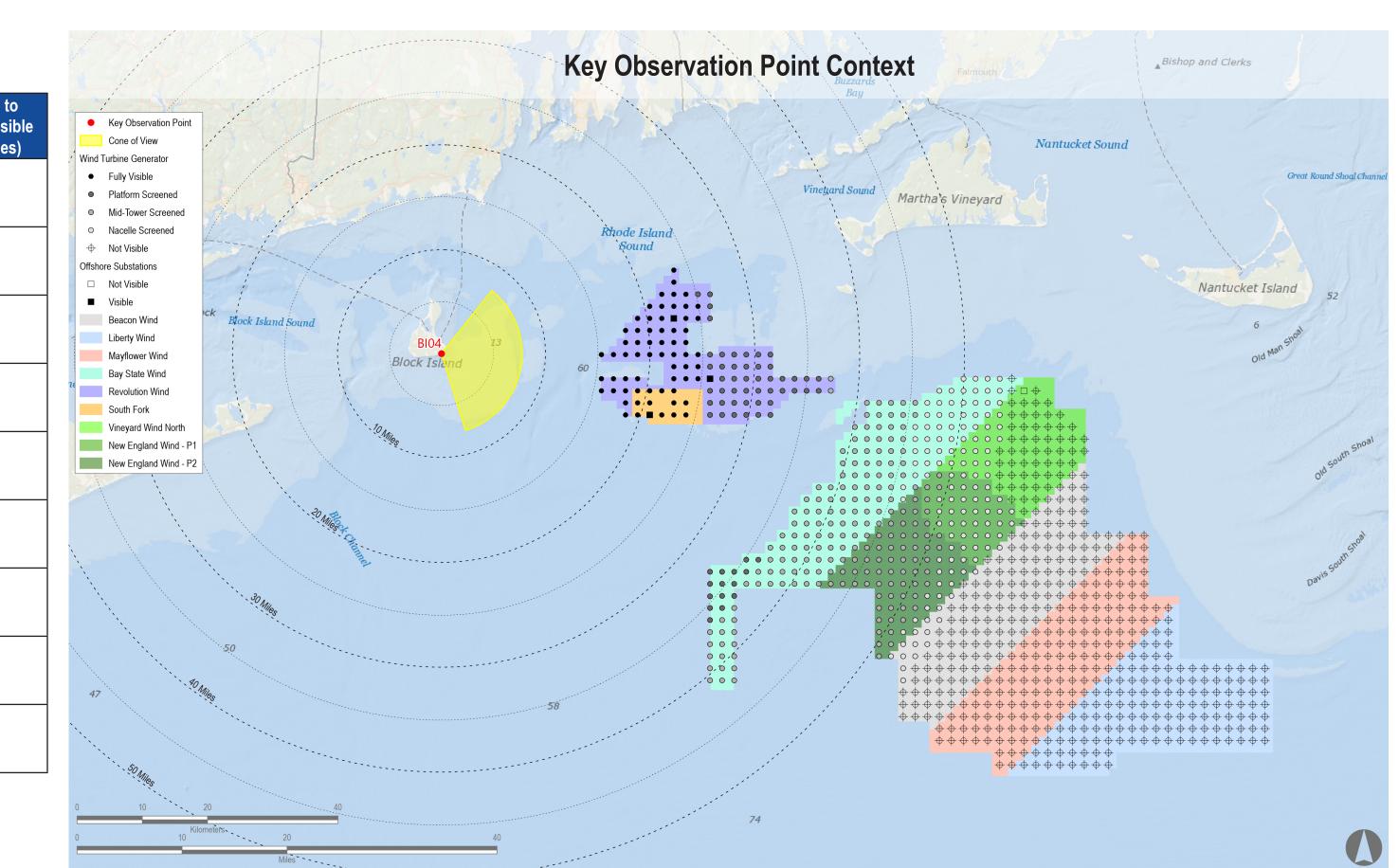
State: Rhode Island Location: Block Island Latitude, Longitude: 41.15281° N, 71.55185° W **Direction of View (Center):** East (98.9°) Field of View: 124° x 55°

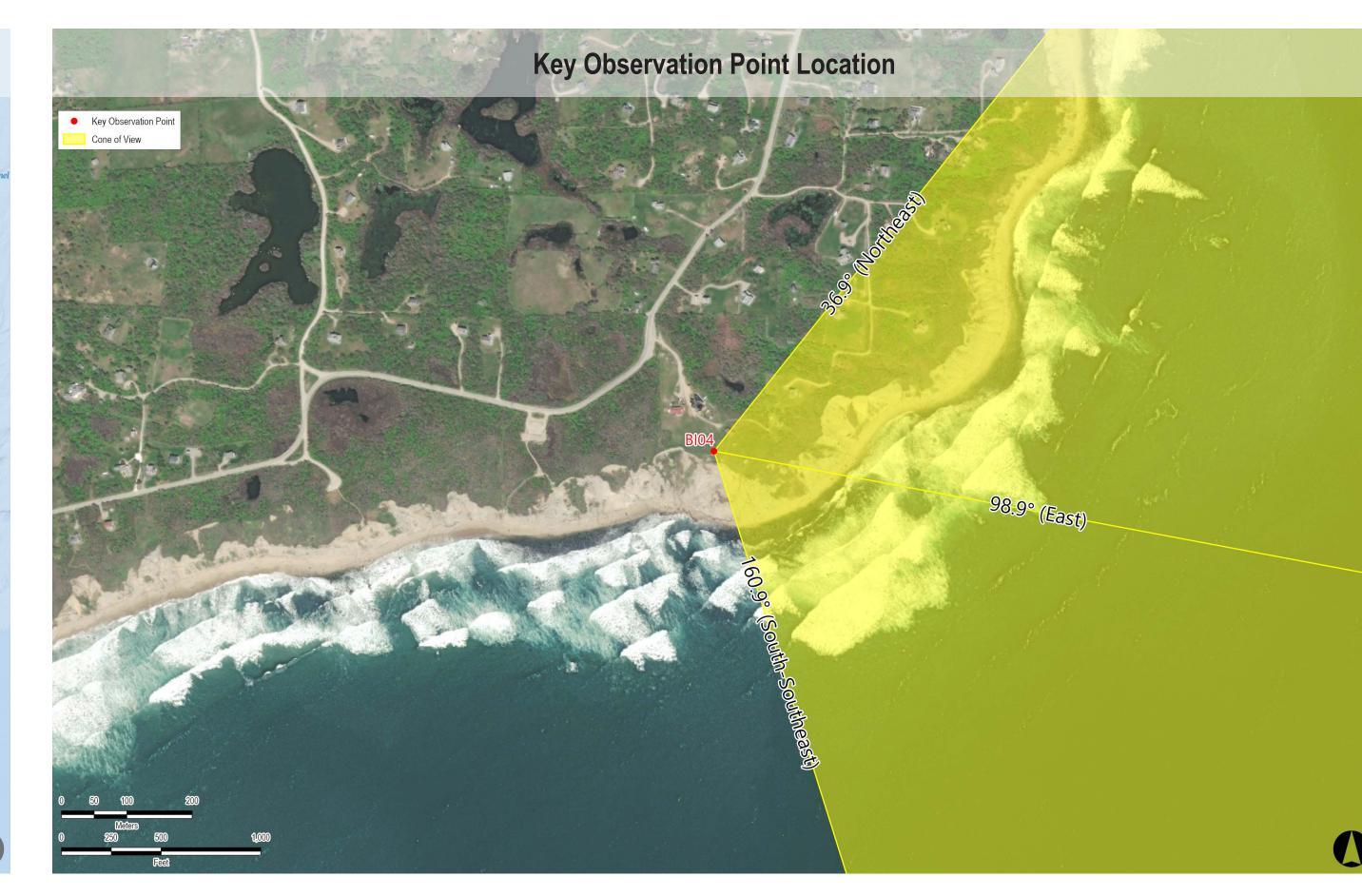
Visual Resources

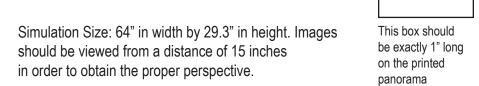
Landscape Similarity Zone: Maintained Recreation Area, Coastal Bluff User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Southeast Light National Historic Landmark, Mohegan Bluffs

- 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
- 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.

| 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 |
| 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 |









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Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes

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:

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°

Key Observation Point Information

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

• 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

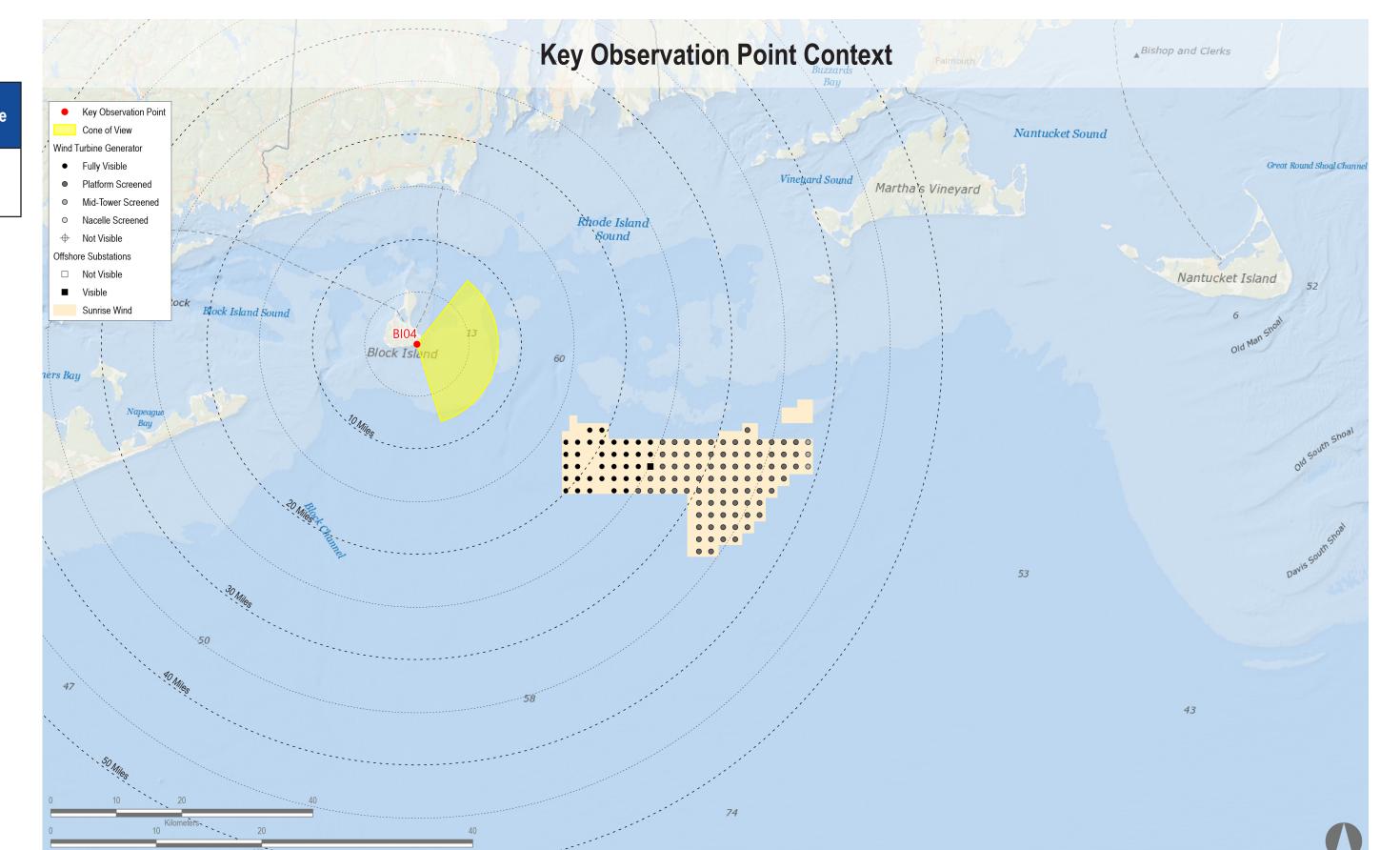
• Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of

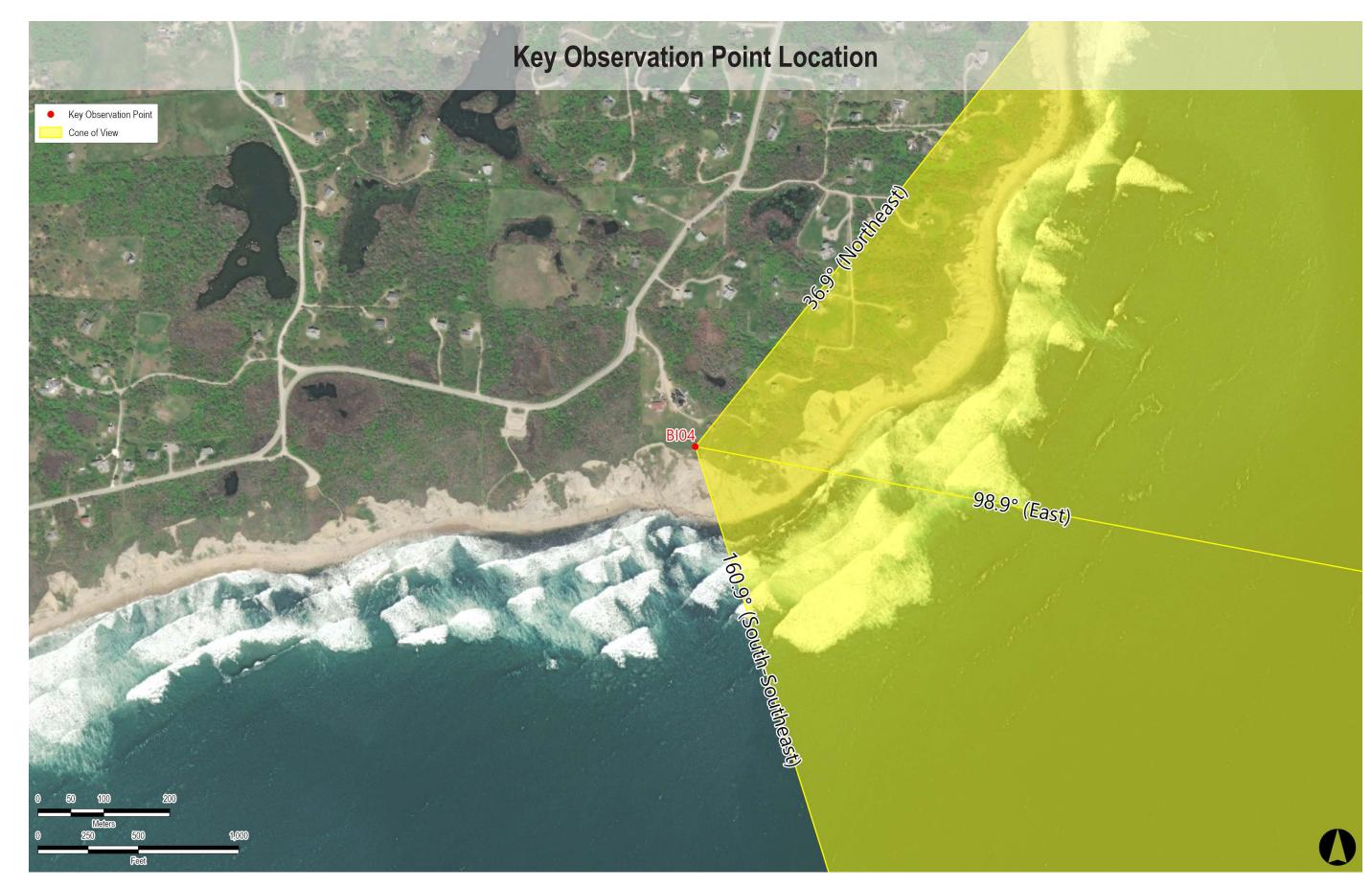
structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography. Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification.

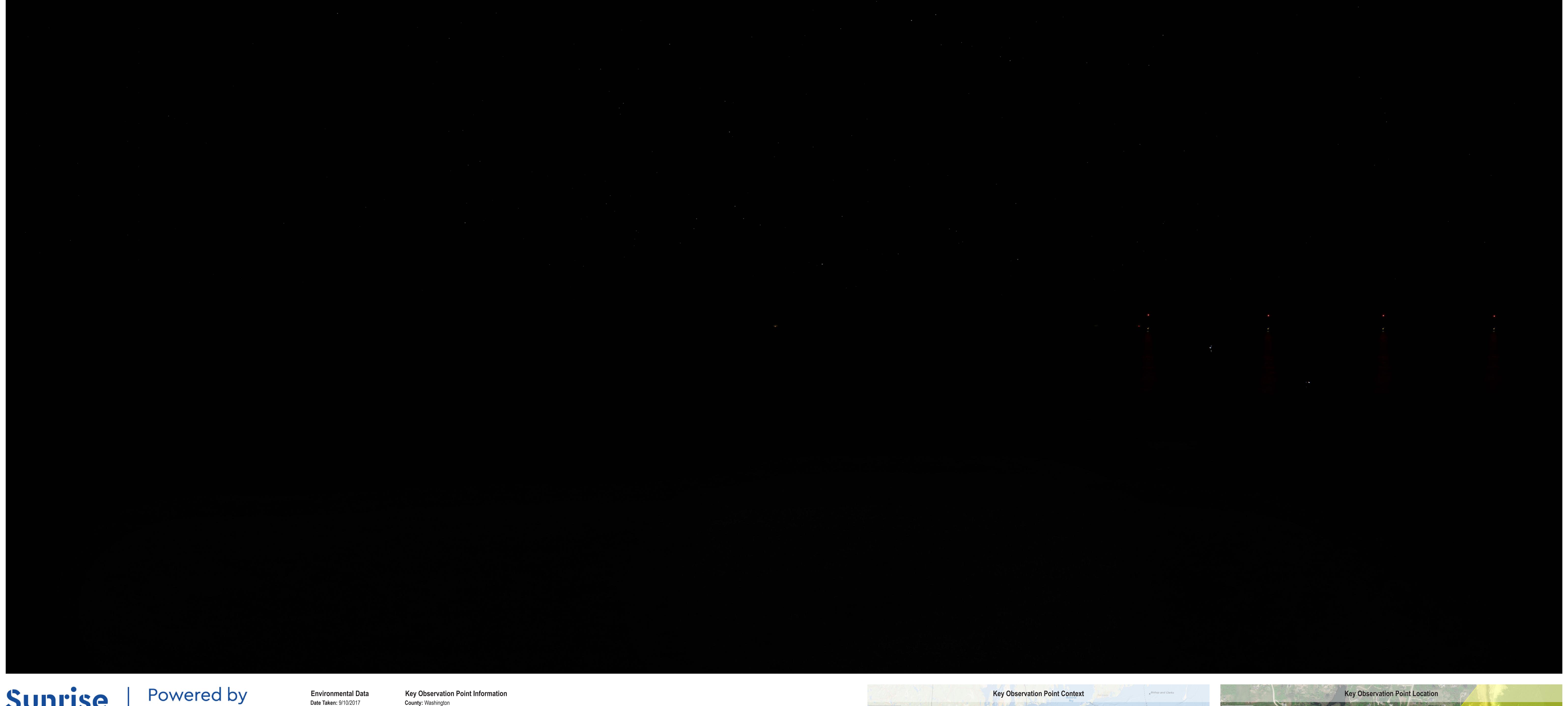
• The existing WTGs associated with the Block Island Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum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

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.

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|--------------|---------------------|---------------|--|--|---|--|
| 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 |







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Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04 Night: Southeast Lighthouse, New Shoreham, Rhode Island

Existing Conditions

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

Temperature: 61°F

Visibility: >10 miles

Wind Speed: 6 mph

Camera Information

Notes:

Wind Direction: North-Northwest

Camera: Canon EOS 5D Mark IV

Camera Height: 161.1 feet AMSL

Resolution: 30.4 Megapixels

Lens Focal Length: 50 mm

Conditions Observed: Fair

Humidity: 93%

Town: New Shoreham

Location: Block Island

Field of View: 124° x 55°

Visual Resources

State: Rhode Island

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

Latitude, Longitude: 41.15281° N, 71.55185° W

User Group: Local Resident, Tourist/Vacationers

Landscape Similarity Zone: Maintained Recreation Area, Coastal Bluff

Aesthetic Resource: Southeast Light National Historic Landmark, Mohegan Bluffs

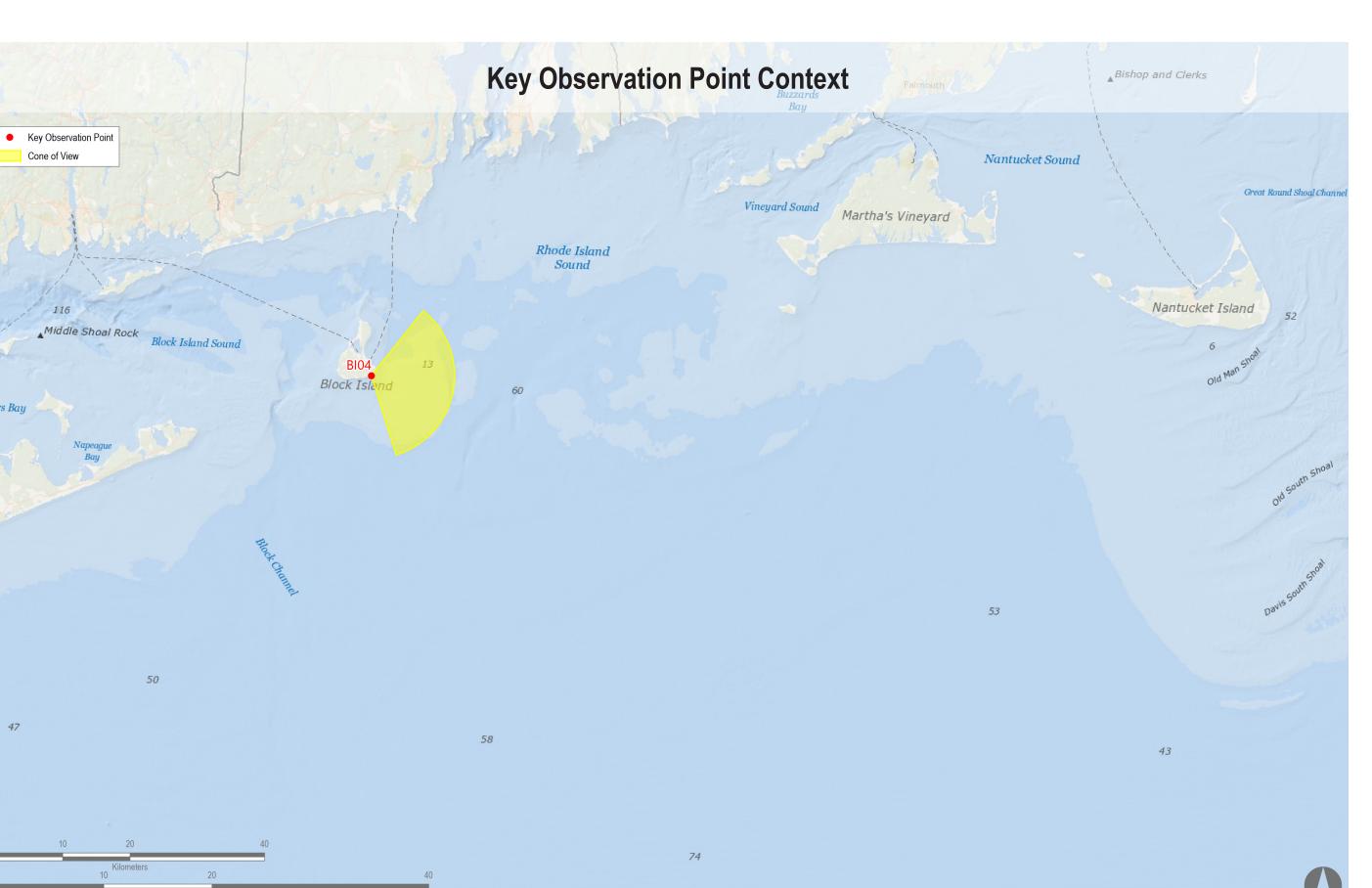
Direction of View (Center): East (98.9°)

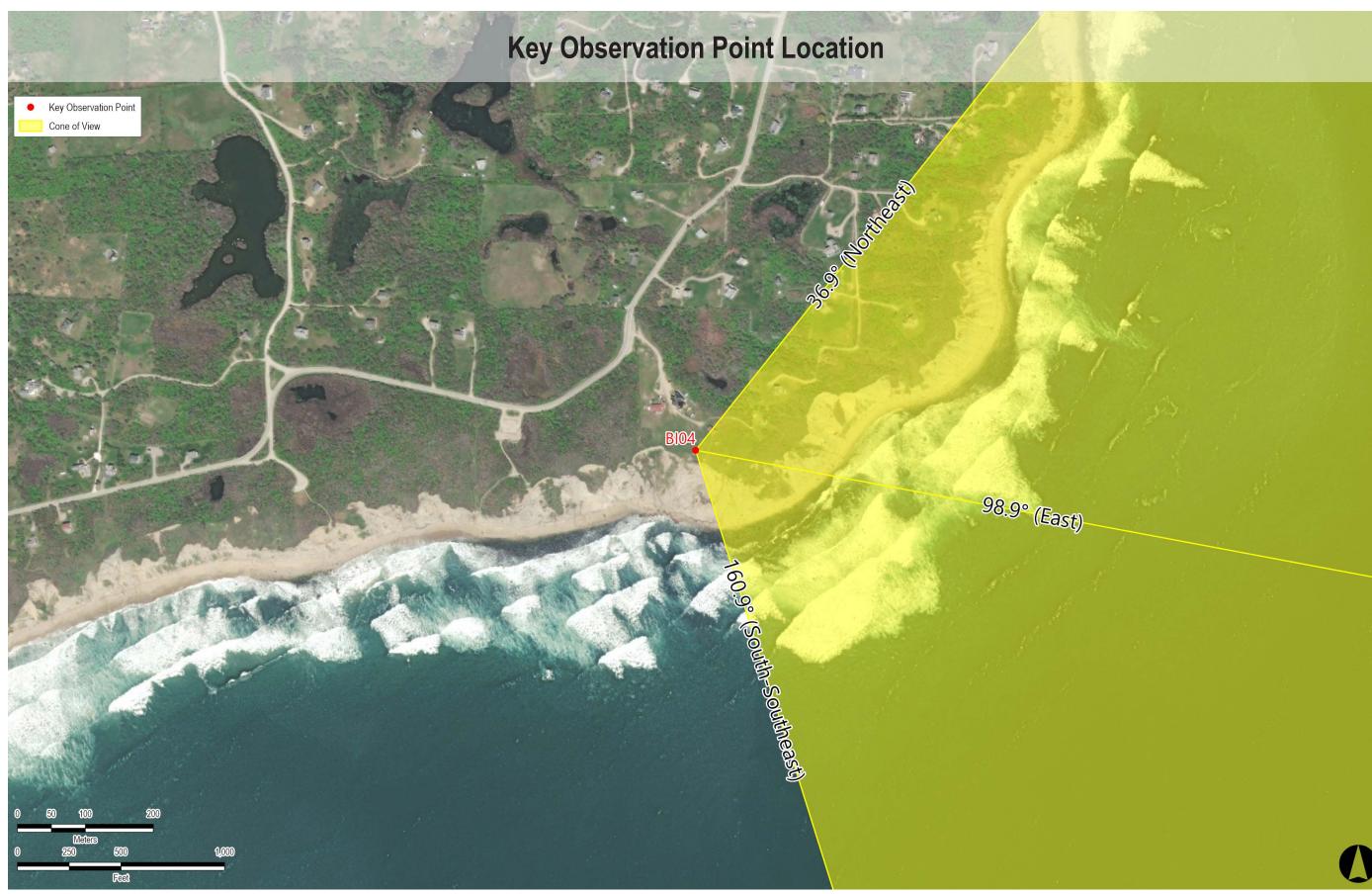
• The existing WTGs associated with the Block Island Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum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

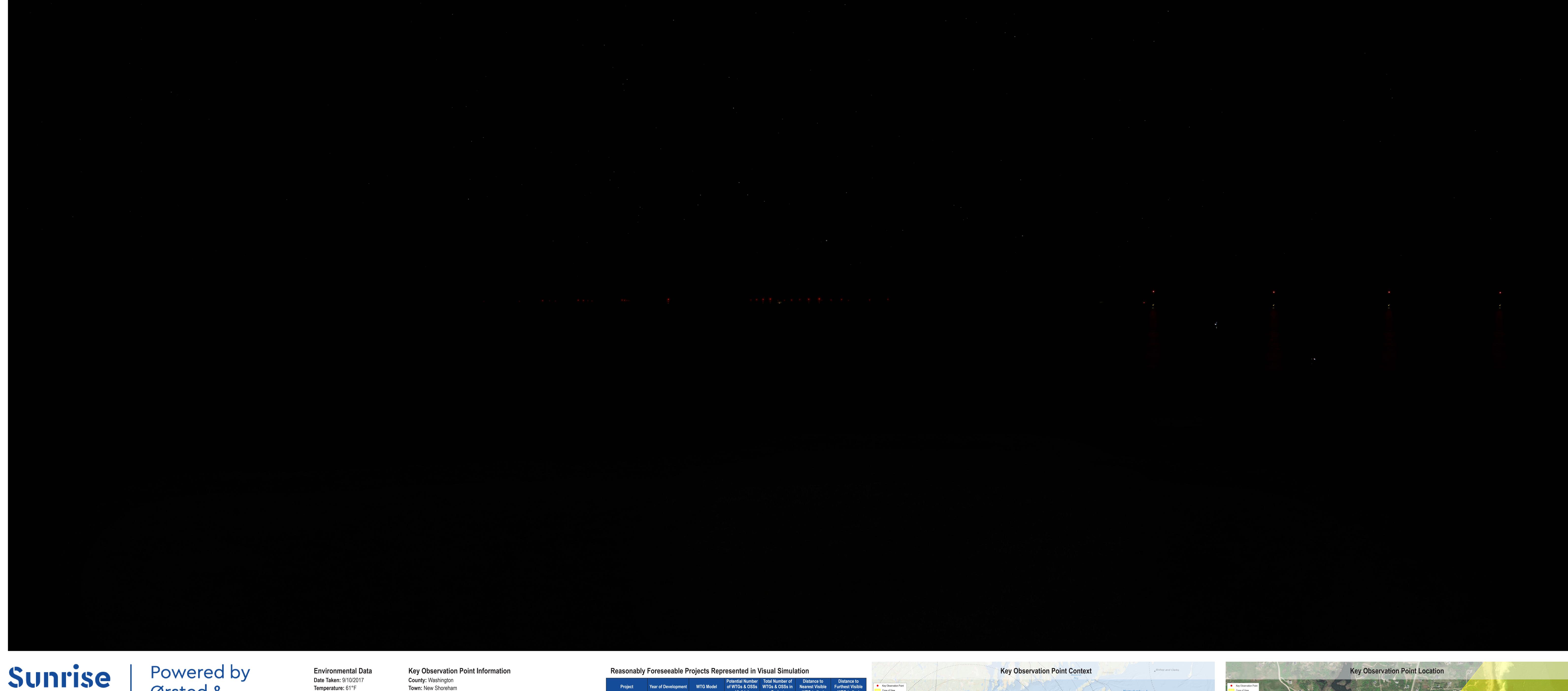
 The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.

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.







Wind

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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 (Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind **Phase 1&2)**

Notes:

Humidity: 93%

Visibility: >10 miles

Wind Speed: 6 mph

Camera Information

Wind Direction: North-Northwest

Camera: Canon EOS 5D Mark IV

Camera Height: 161.1 feet AMSL

Resolution: 30.4 Megapixels

Lens Focal Length: 50 mm

Conditions Observed: Fair

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.

State: Rhode Island

Location: Block Island

Field of View: 124° x 55°

Visual Resources

Latitude, Longitude: 41.15281° N, 71.55185° W

User Group: Local Resident, Tourist/Vacationers

Landscape Similarity Zone: Maintained Recreation Area, Coastal Bluff

Aesthetic Resource: Southeast Light National Historic Landmark, Mohegan Bluffs

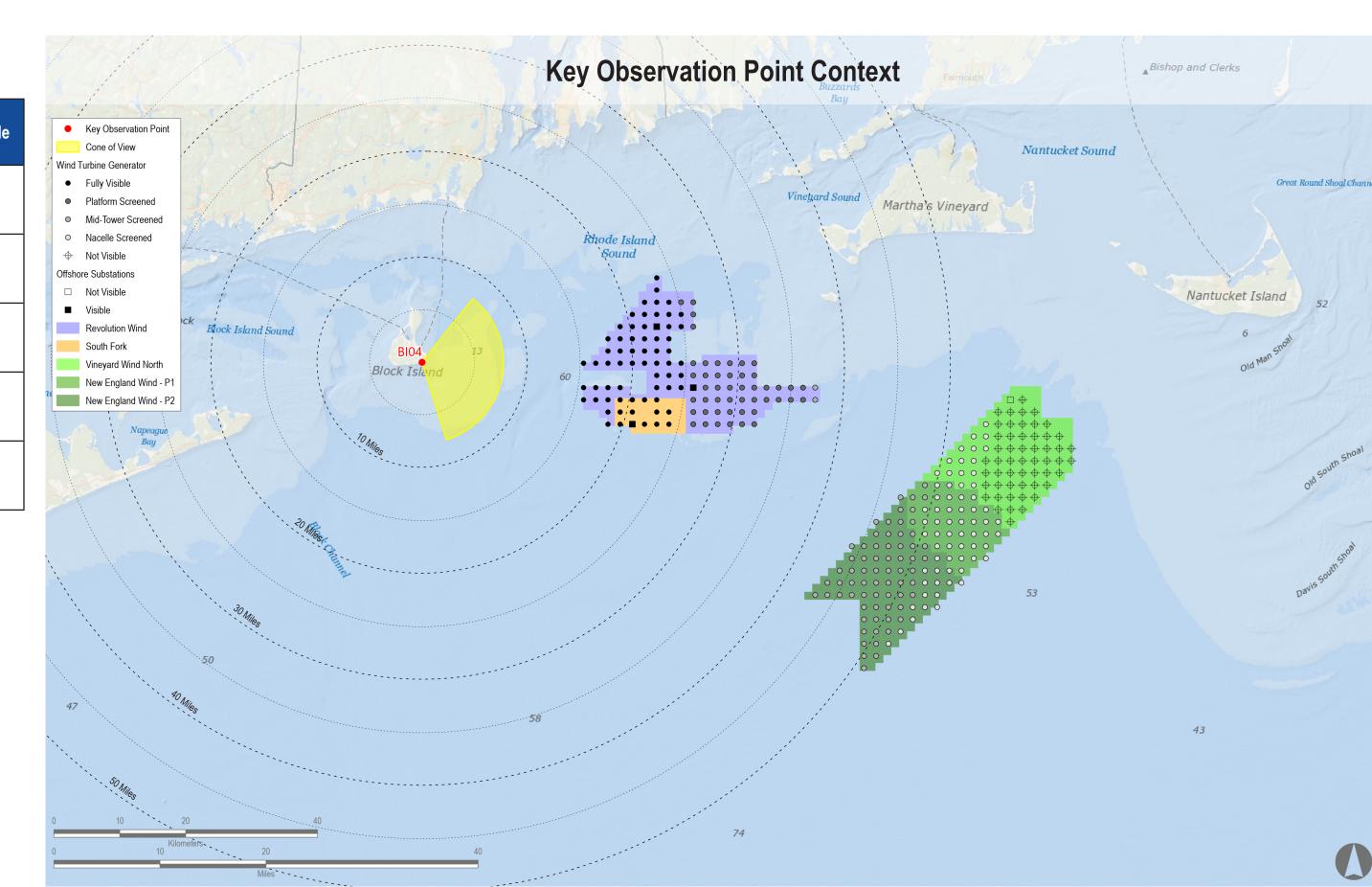
Direction of View (Center): East (98.9°)

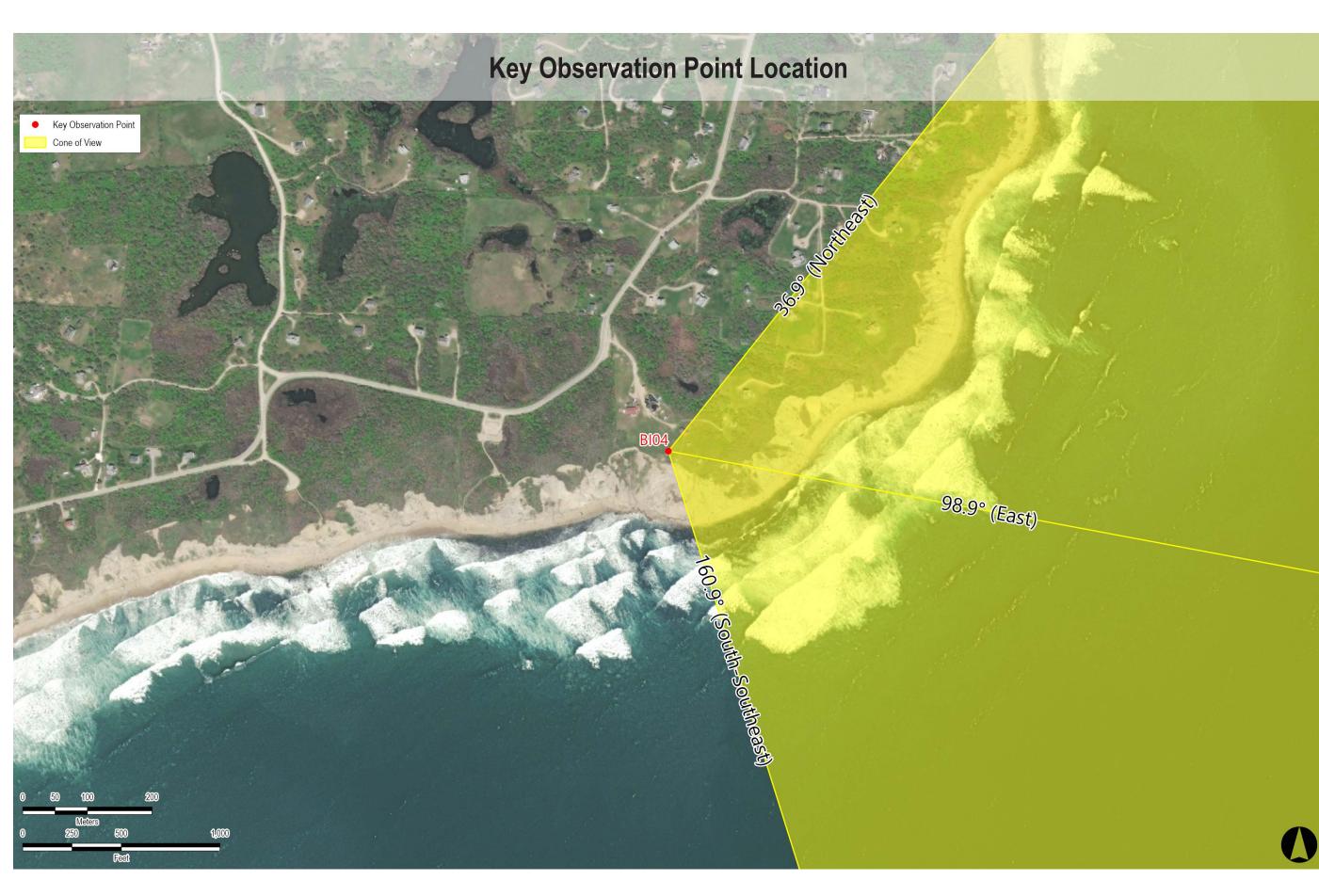
Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of

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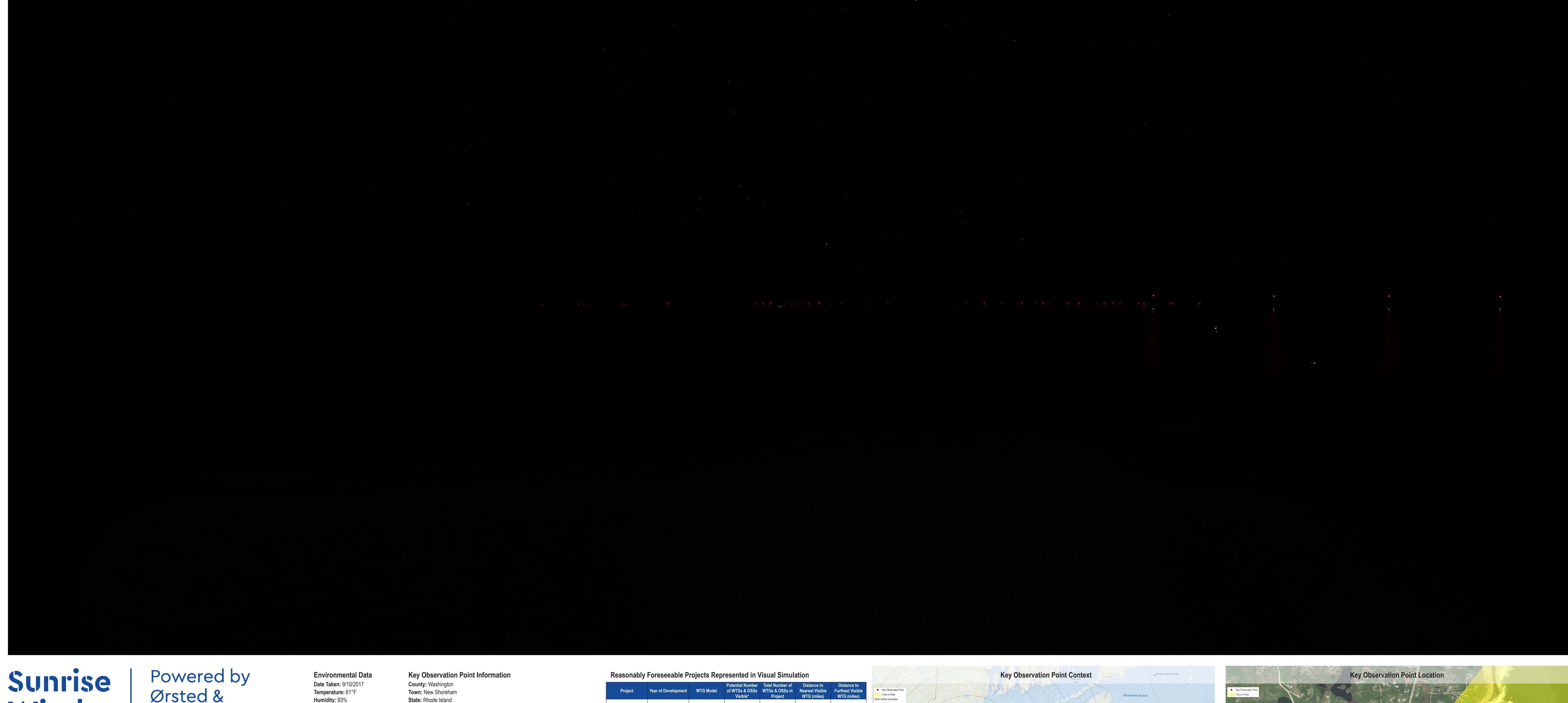
The existing WTGs associated with the Block Island Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric

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|-----------------------------|---------------------|--------------|--|--|---|--|
| 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 |





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

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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)

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 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

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.

Location: Block Island

Field of View: 124° x 55°

Latitude, Longitude: 41.15281° N, 71.55185° W

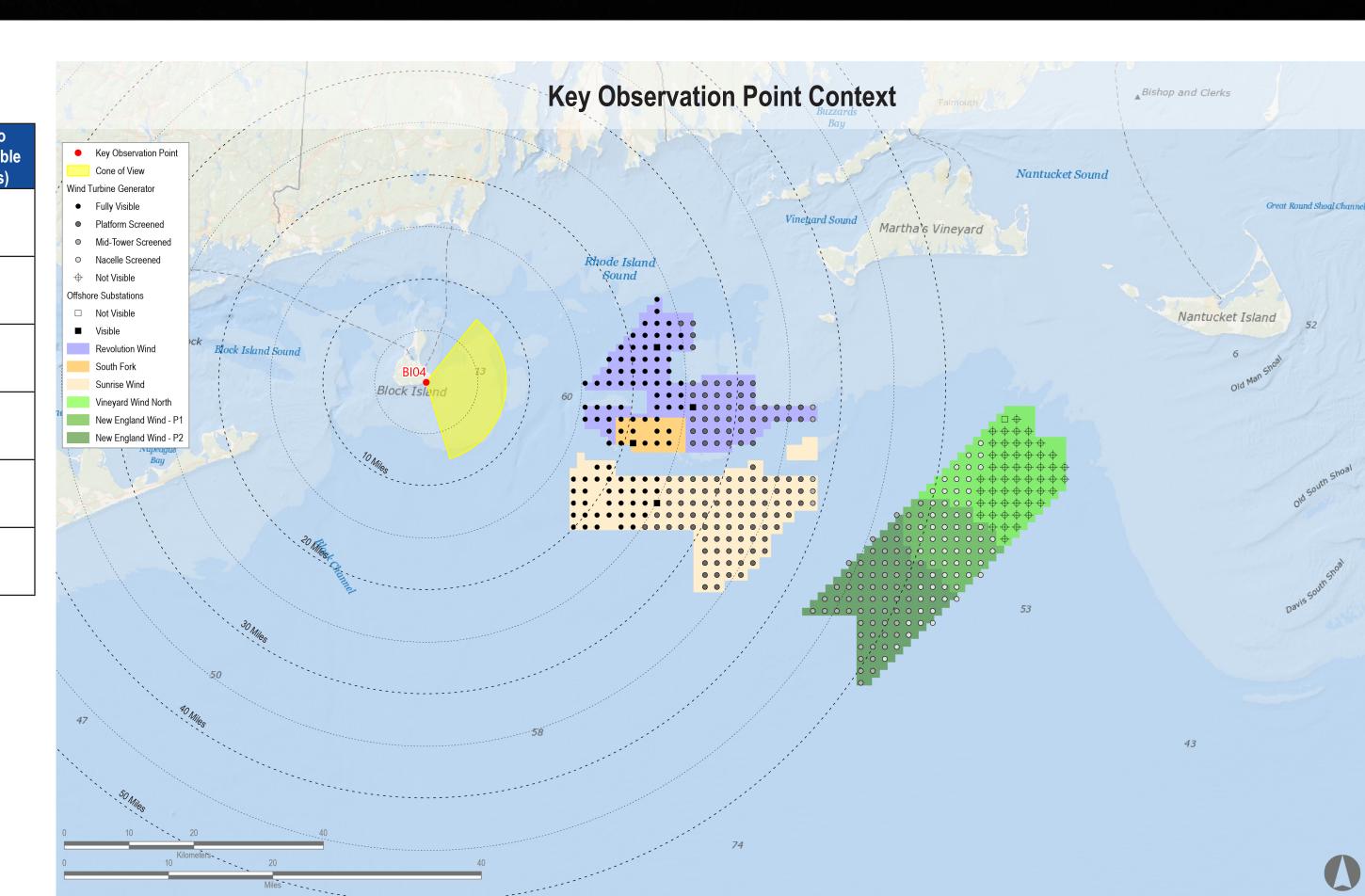
Direction of View (Center): East (98.9°)

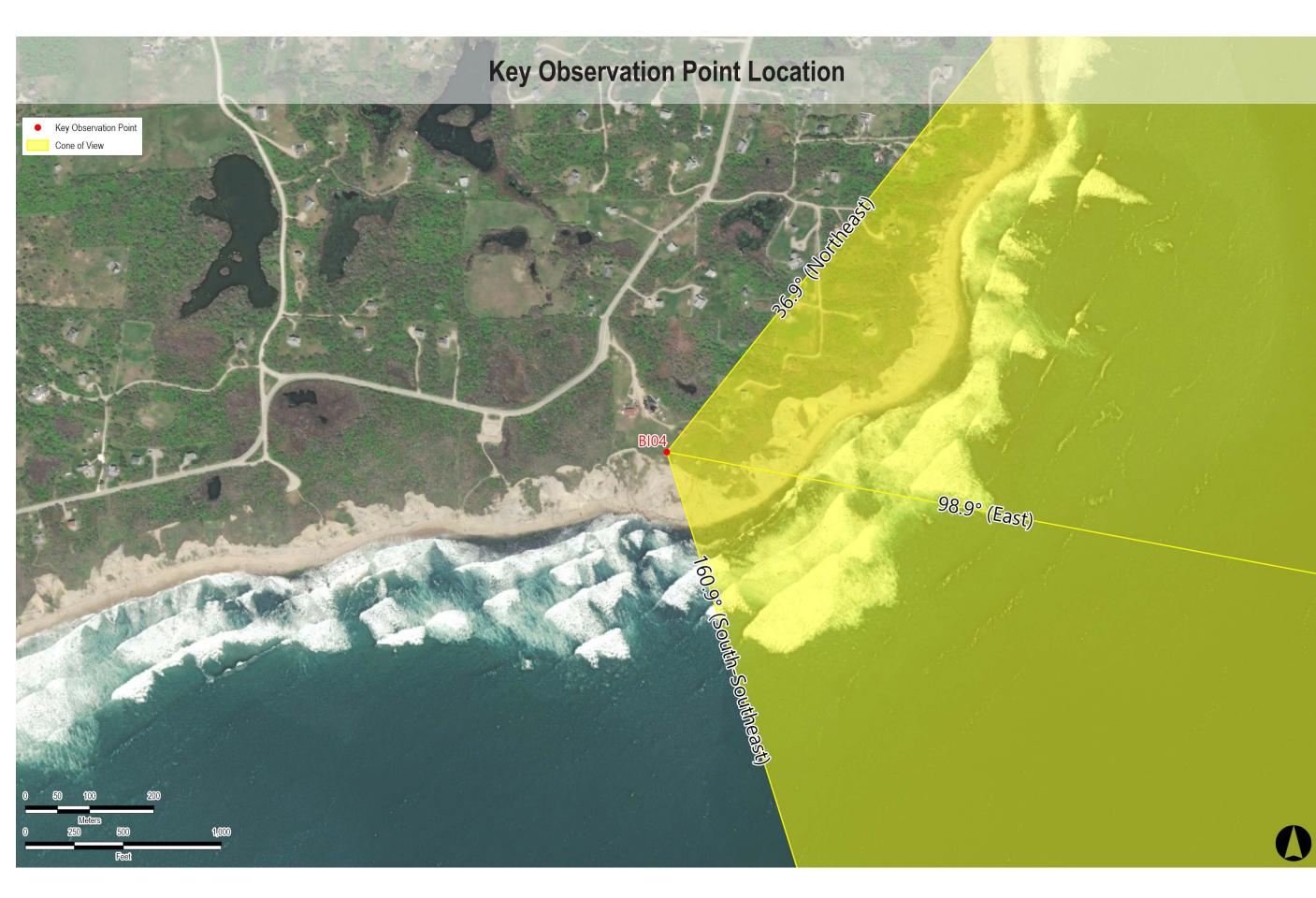
Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification 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

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 | | |









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Appendix A: Sunrise Wind Cumulative Visual Simulations

be exactly 1" long

on the printed

BI04 Night: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: Full Lease Build-out Including Sunrise Wind

Notes:

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 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

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

County: Washington

Town: New Shoreham

Location: Block Island

Field of View: 124° x 55°

Latitude, Longitude: 41.15281° N, 71.55185° W

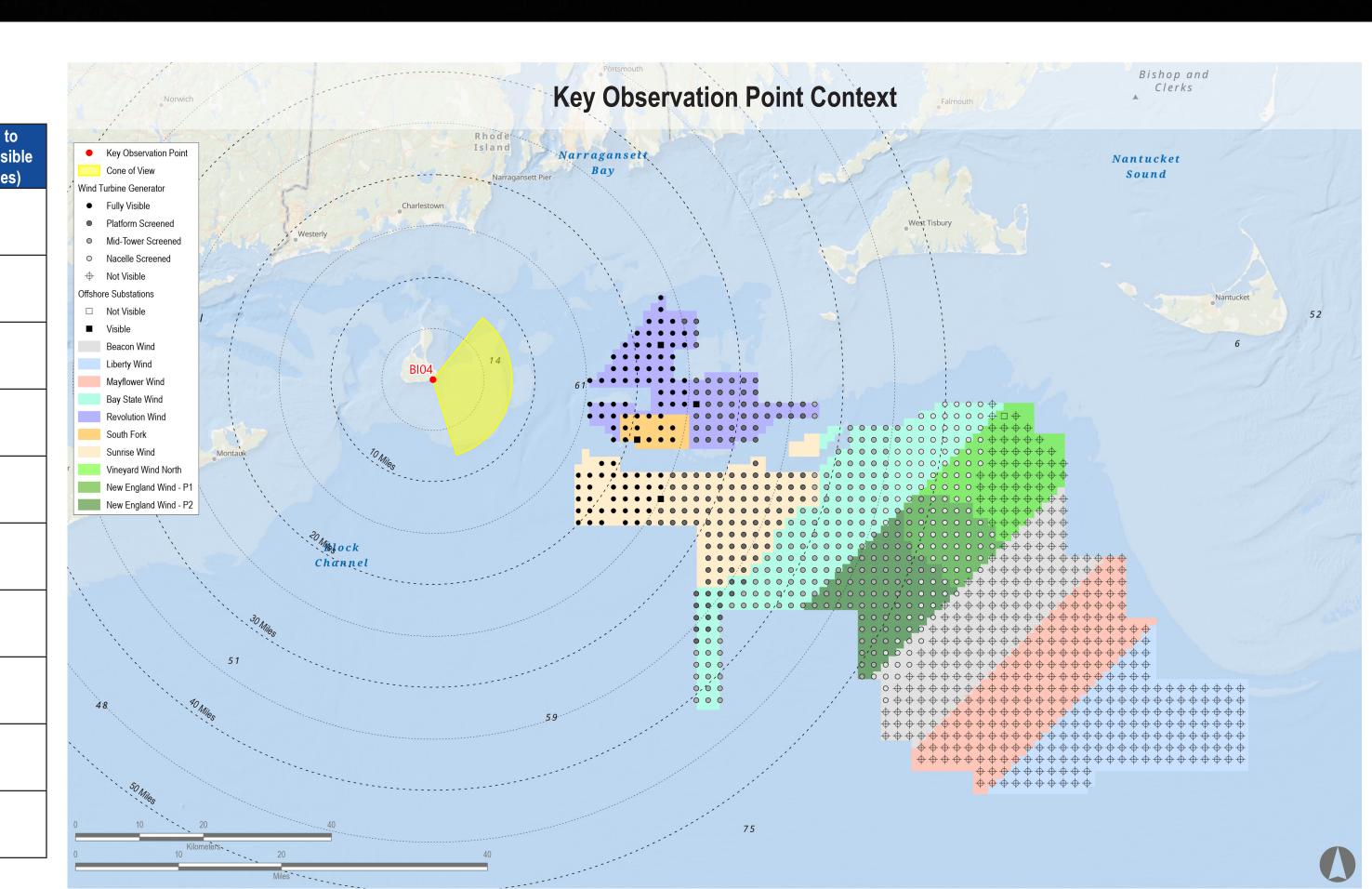
Direction of View (Center): East (98.9°)

State: Rhode Island

- 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
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- 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 |





should be viewed from a distance of 15 inches in order to obtain the proper perspective.





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Appendix A: Sunrise Wind Cumulative Visual Simulations

be exactly 1" long

on the printed

BI04 Night: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: Full Lease Build-out Excluding Sunrise Wind

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

Camera Information

Notes:

Conditions Observed: Fair

Visual Resources Camera: Canon EOS 5D Mark IV Landscape Similarity Zone: Maintained Recreation Area, Coastal Bluff Resolution: 30.4 Megapixels User Group: Local Resident, Tourist/Vacationers Lens Focal Length: 50 mm Aesthetic Resource: Southeast Light National Historic Landmark, Mohegan Bluffs Camera Height: 161.1 feet AMSL

County: Washington

Town: New Shoreham

Location: Block Island

Field of View: 124° x 55°

State: Rhode Island

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

Key Observation Point Information

Latitude, Longitude: 41.15281° N, 71.55185° W

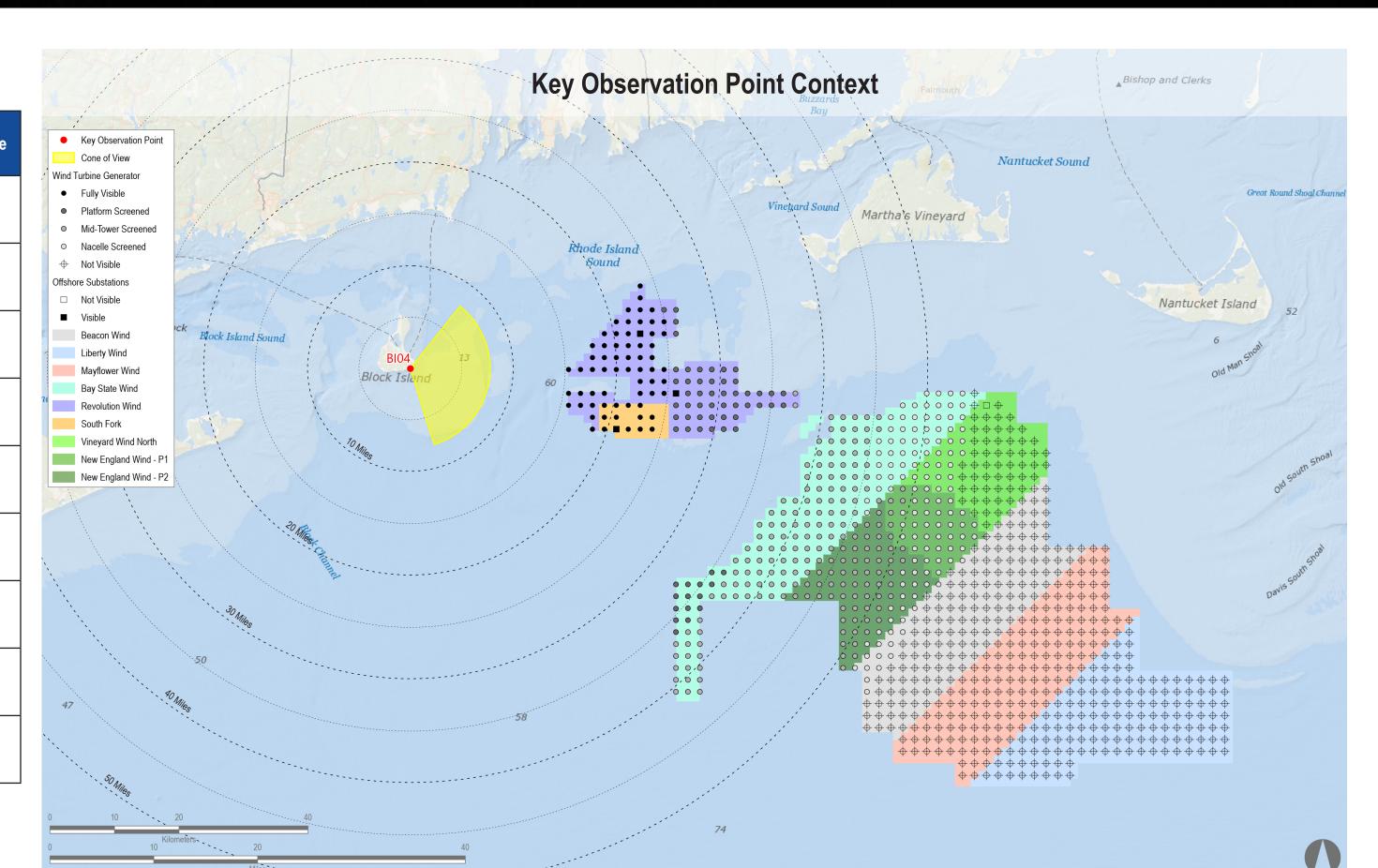
Direction of View (Center): East (98.9°)

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.

• 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

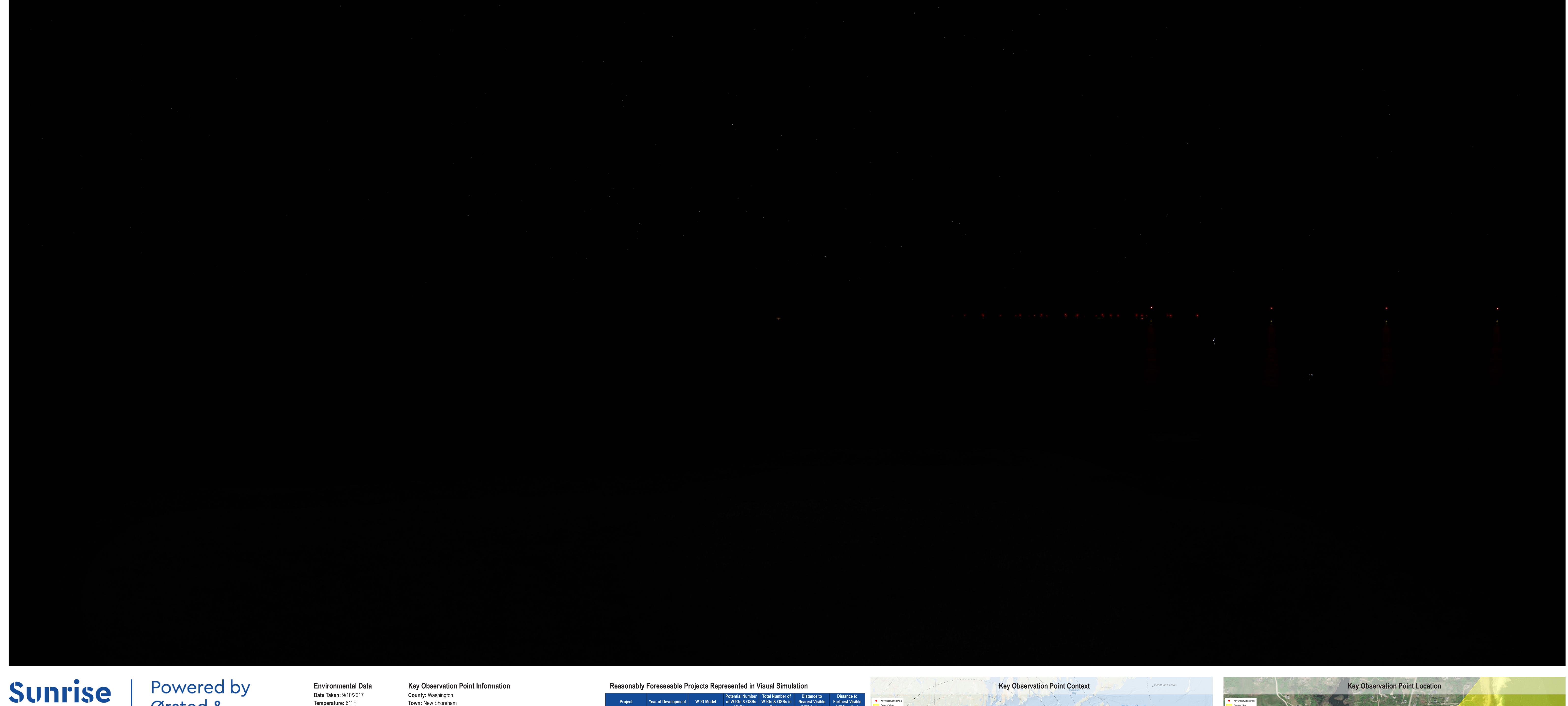
Reasonably Foreseeable Projects Represented in Visual Simulation

| 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 |





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

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Appendix A: Sunrise Wind Cumulative Visual Simulations

BI04 Night: Southeast Lighthouse, New Shoreham, Rhode Island

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes

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

Notes:

Visual Resources Landscape Similarity Zone: Maintained Recreation Area, Coastal Bluff User Group: Local Resident, Tourist/Vacationers Camera Height: 161.1 feet AMSL

Direction of View (Center): East (98.9°)

Latitude, Longitude: 41.15281° N, 71.55185° W

Aesthetic Resource: Southeast Light National Historic Landmark, Mohegan Bluffs

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

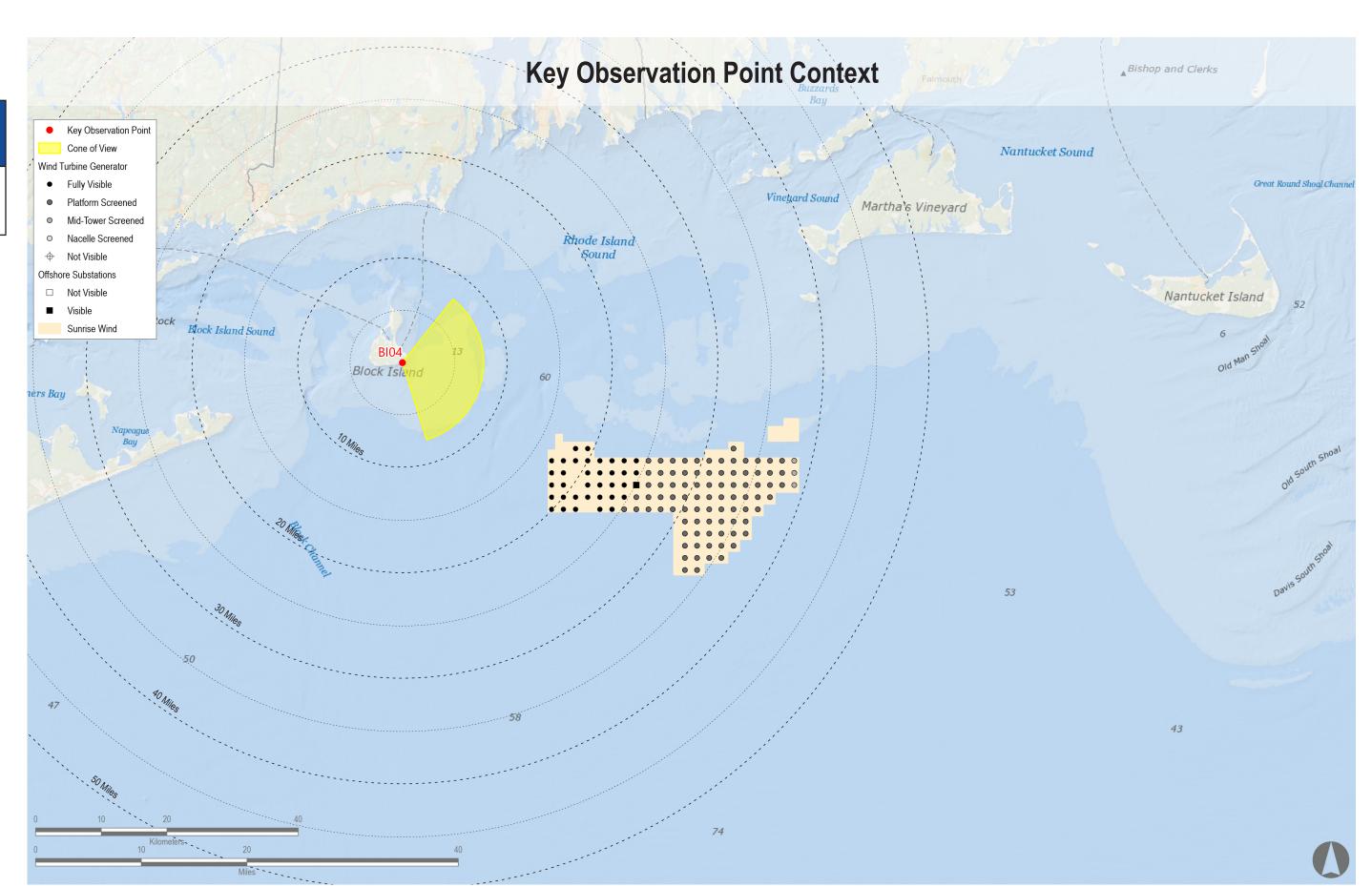
State: Rhode Island

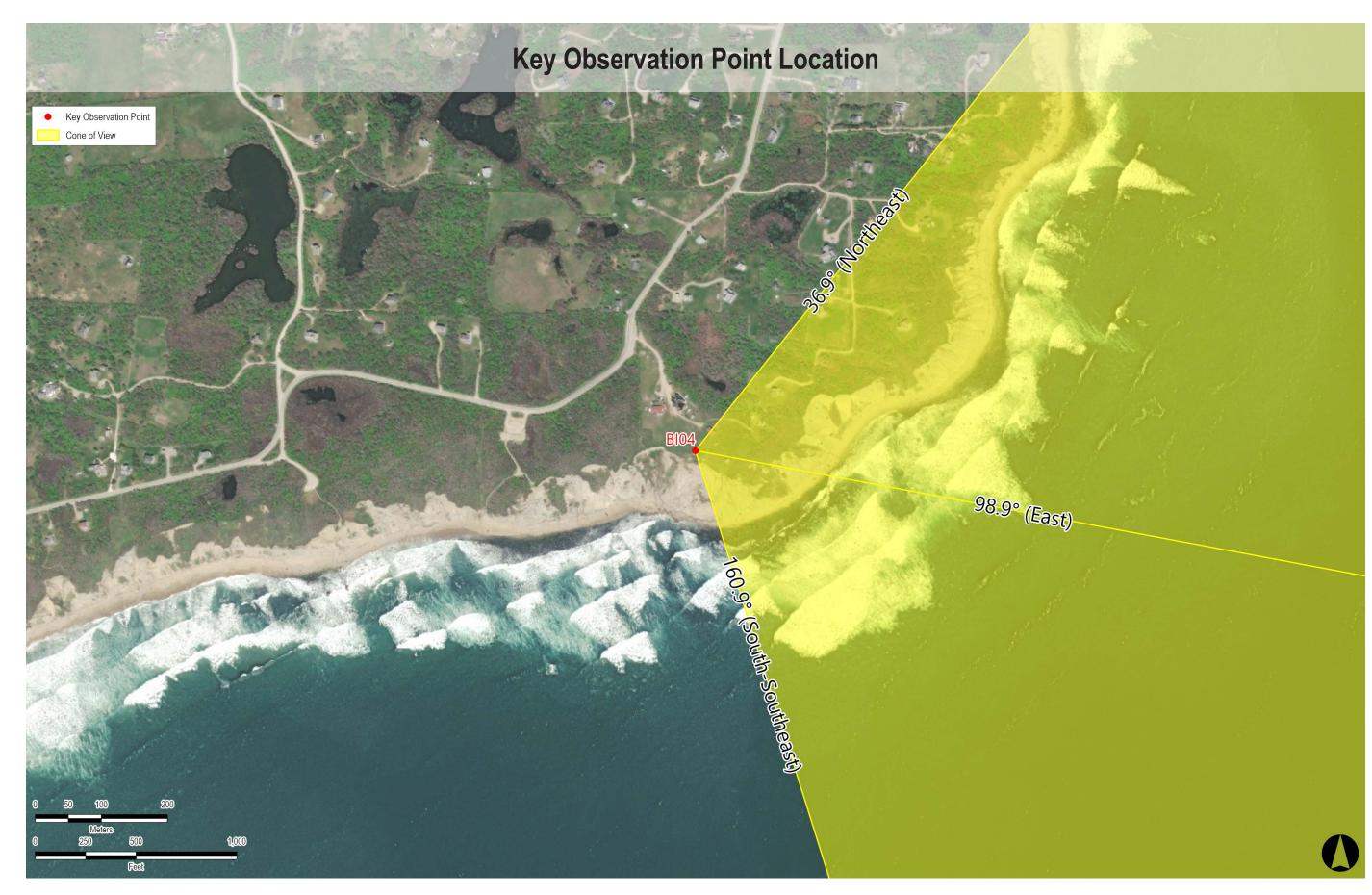
Location: Block Island

Field of View: 124° x 55°

- 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
- 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 | | | |







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Appendix A: Sunrise Wind Cumulative Visual Simulations

Cl01: Cuttyhunk Island, Gosnold, Massachusetts

Existing Conditions

Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 151.3 feet AMSL

Notes:

Time: 1:30 PM

Temperature: 25°F

Humidity: 88%
Visibility: >10 miles

Camera Information

Wind Direction: North-Northwest

Camera: Canon EOS 5D Mark IV

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

Wind Speed: 7 mph
Conditions Observed: Clear

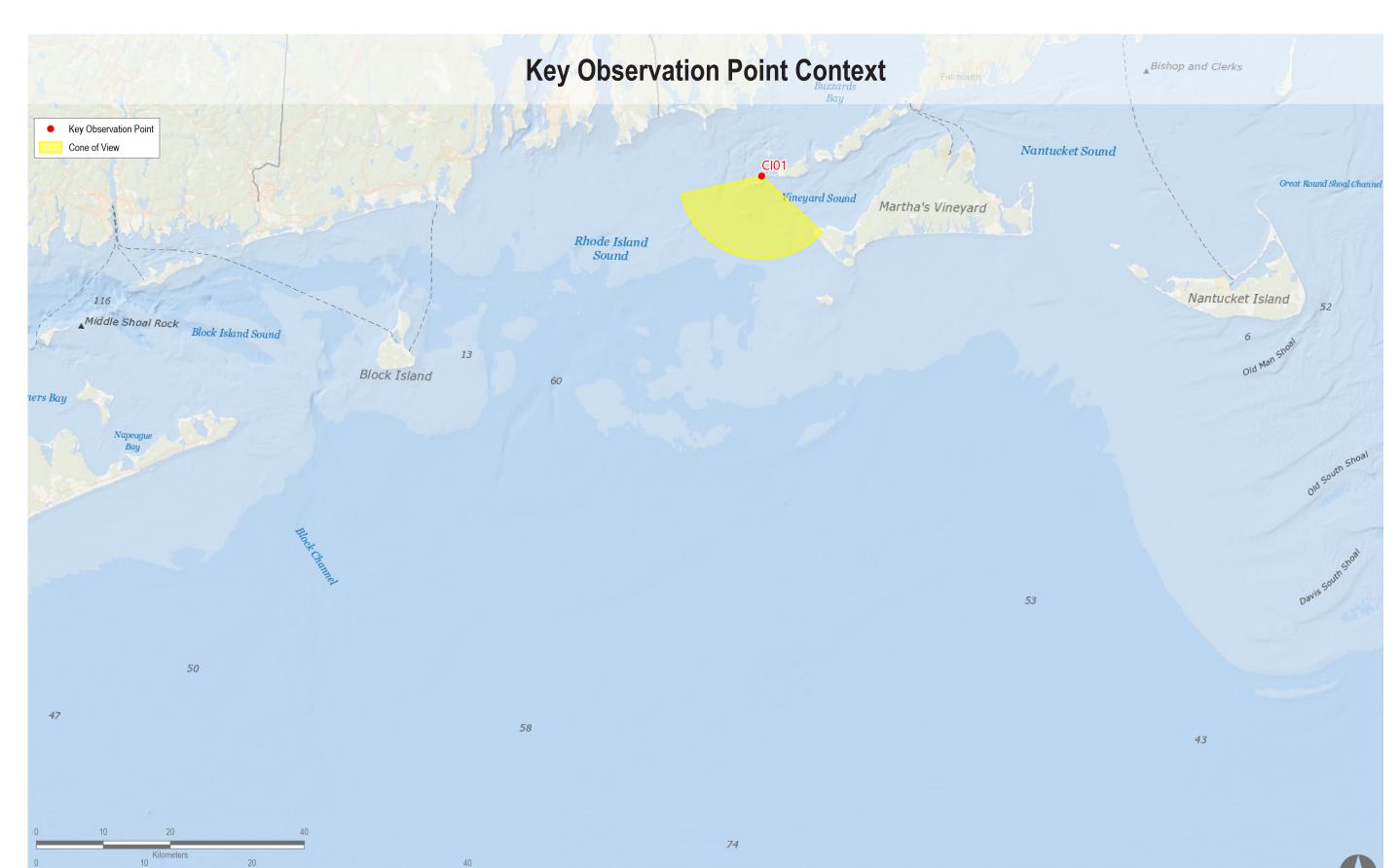
Key Observation Point Information Environmental Data Date Taken: 1/18/2018

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

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







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Appendix A: Sunrise Wind Cumulative Visual Simulations

Cl01: 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)**

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 Notes:

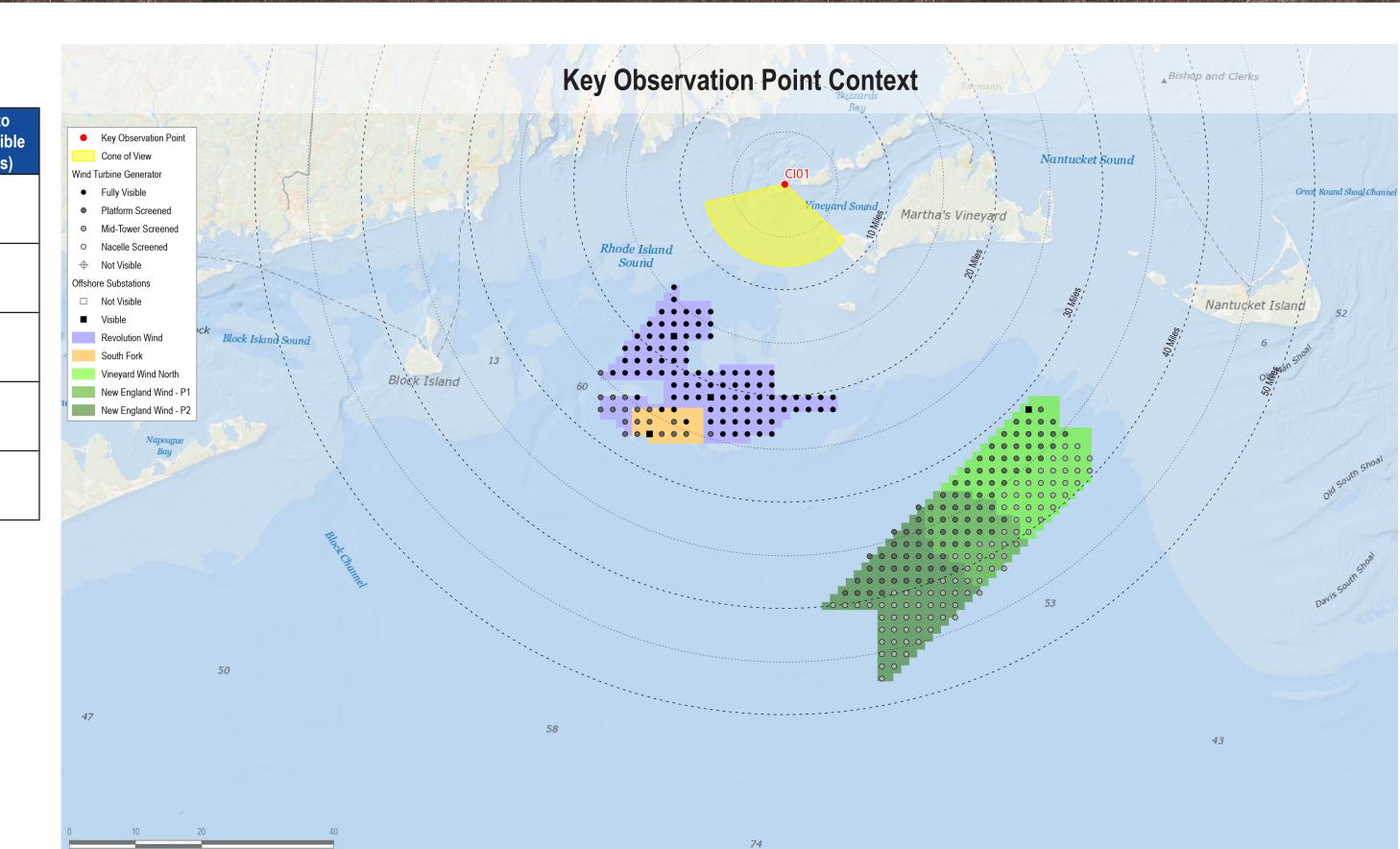
Key Observation Point Information

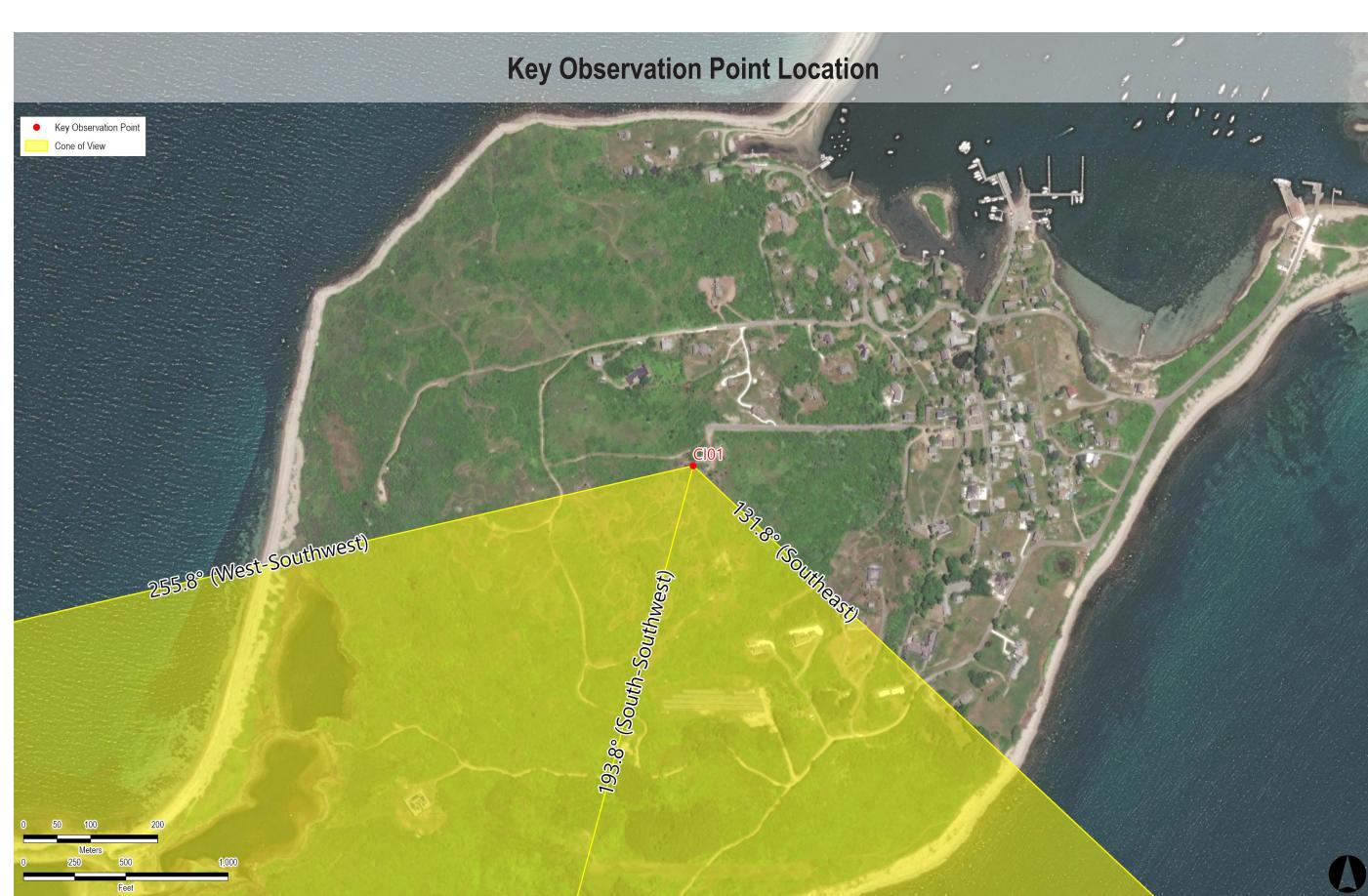
County: Dukes Town: Gosnold State: Massachusetts Location: Cuttyhunk Island Latitude, Longitude: 41.42052° N, 70.93411° W **Direction of View (Center):** South-Southwest (193.8°) Field of View: 124° x 55°

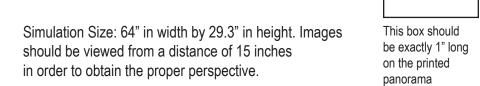
Visual Resources Landscape Similarity Zone: Coastal Scrub/Scrub Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Elizabeth Islands State Scenic Area, Buzzards Bay

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

| 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 |









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Appendix A: Sunrise Wind Cumulative Visual Simulations

Cl01: 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)

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

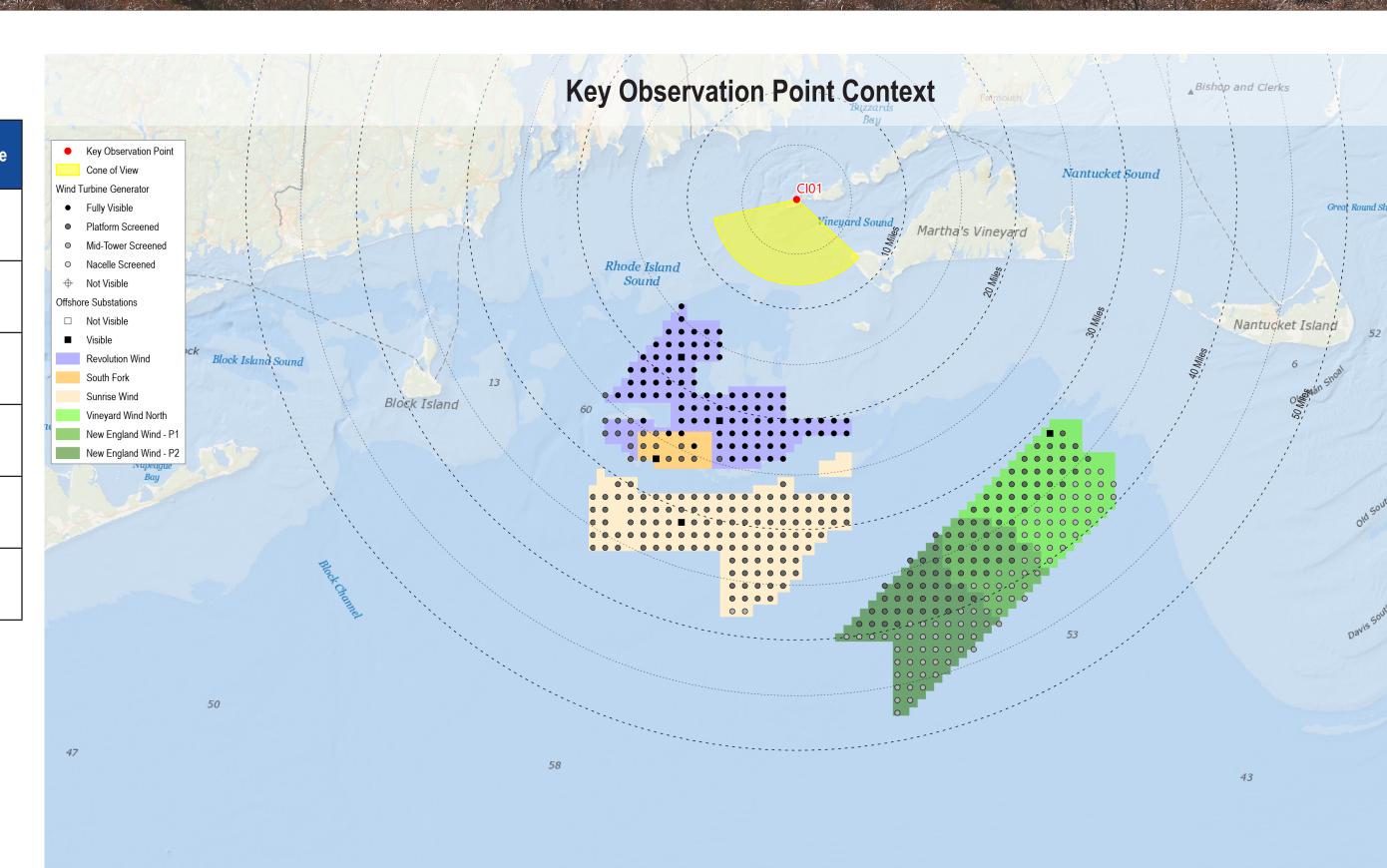
Key Observation Point Information

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°

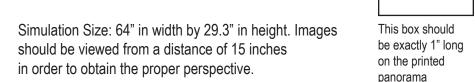
Visual Resources Landscape Similarity Zone: Coastal Scrub/Scrub Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Elizabeth Islands State Scenic Area, Buzzards Bay

- 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
- 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.

| 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 |









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Appendix A: Sunrise Wind Cumulative Visual Simulations

Cl01: Cuttyhunk Island, Gosnold, Massachusetts

Visual Simulation: Full Lease Build-out Including Sunrise Wind

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 Notes:

Key Observation Point Information

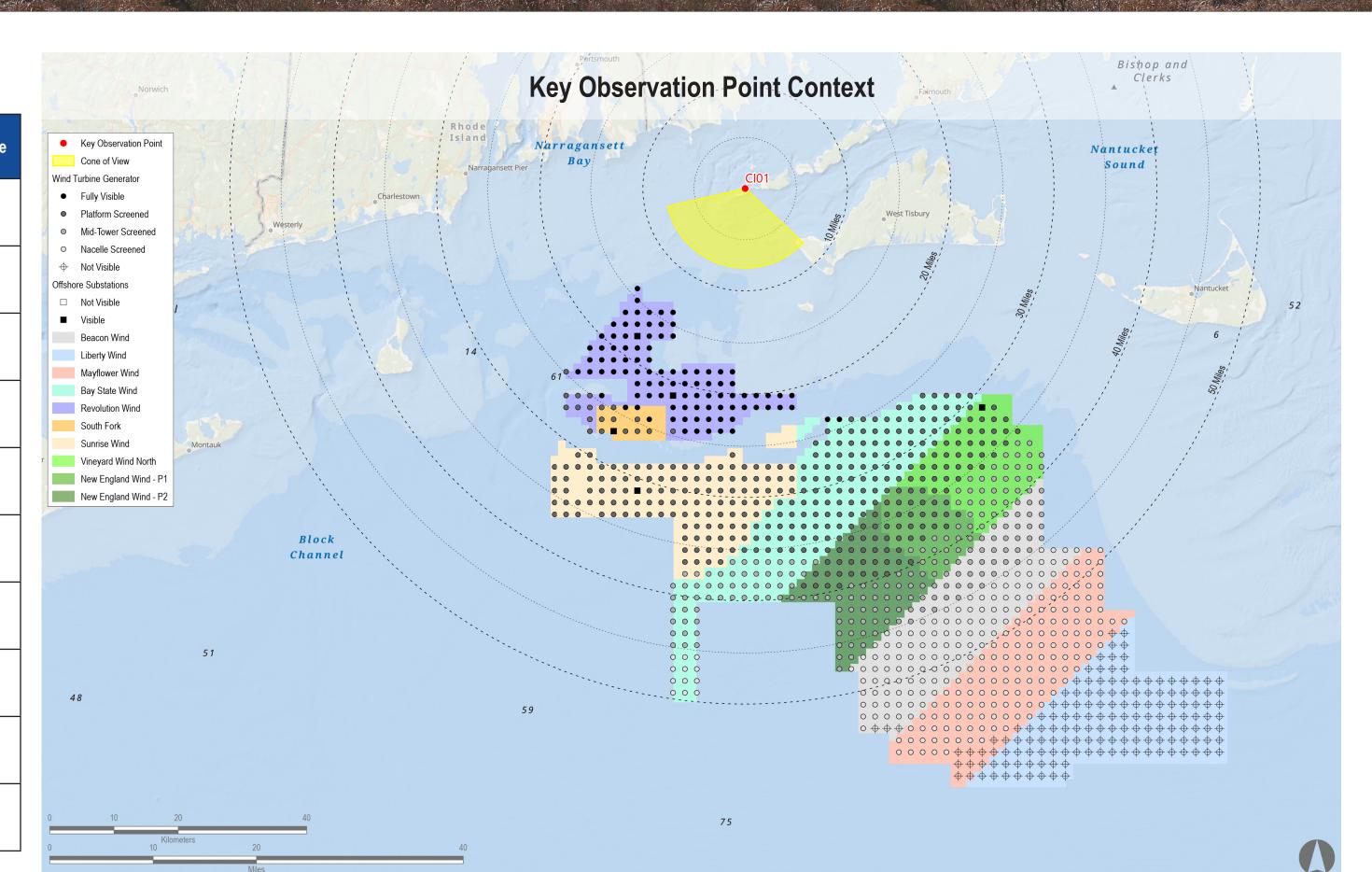
County: Dukes Town: Gosnold State: Massachusetts Location: Cuttyhunk Island Latitude, Longitude: 41.42052° N, 70.93411° W **Direction of View (Center):** South-Southwest (193.8°) Field of View: 124° x 55°

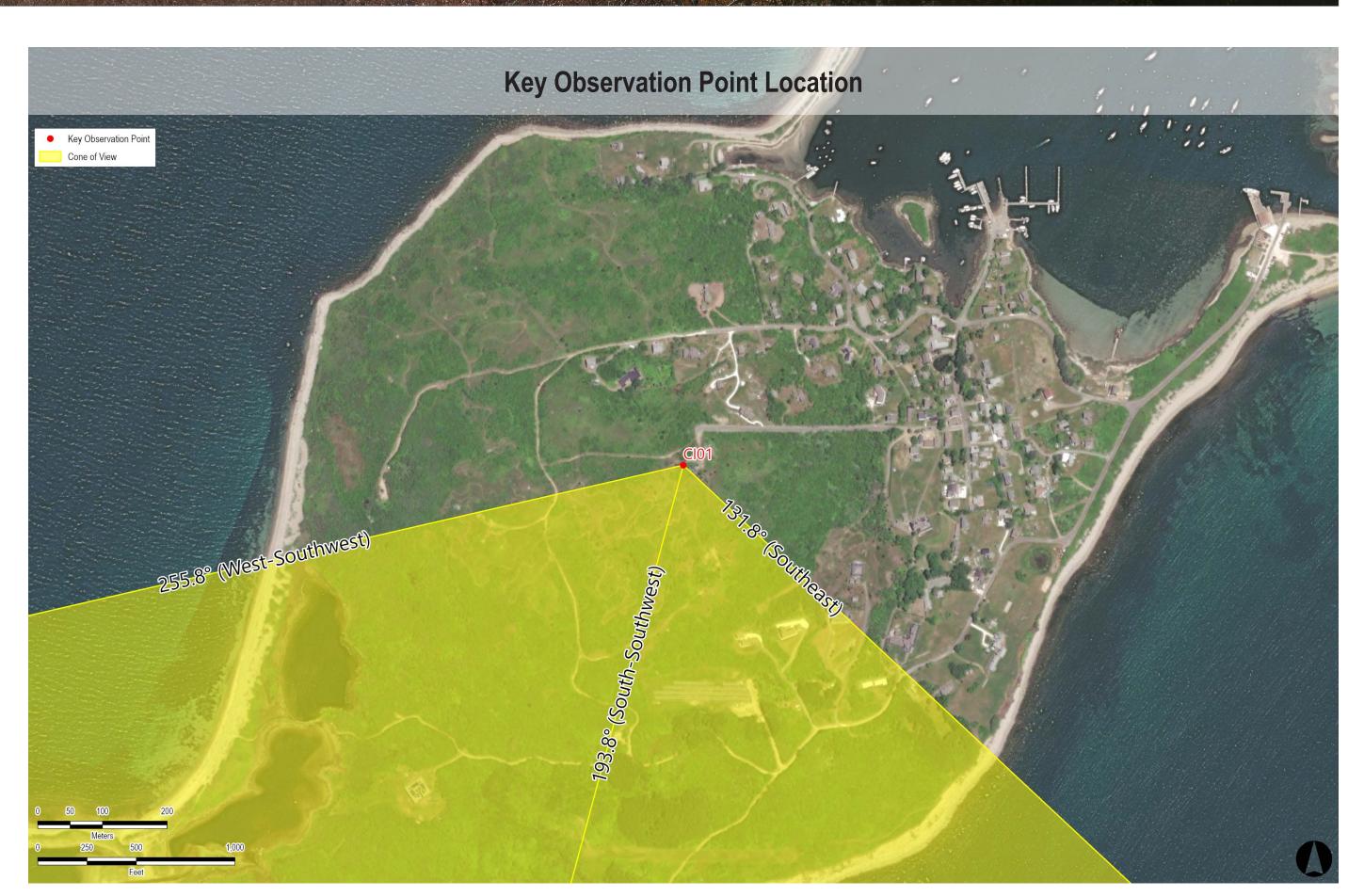
Visual Resources

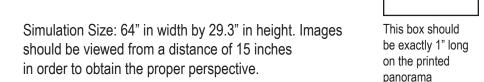
Landscape Similarity Zone: Coastal Scrub/Scrub Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Elizabeth Islands State Scenic Area, Buzzards Bay

- 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
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- 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.

| 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 |









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Appendix A: Sunrise Wind Cumulative Visual Simulations

Cl01: Cuttyhunk Island, Gosnold, Massachusetts

Visual Simulation: Full Lease Build-out Excluding Sunrise Wind

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

Notes:

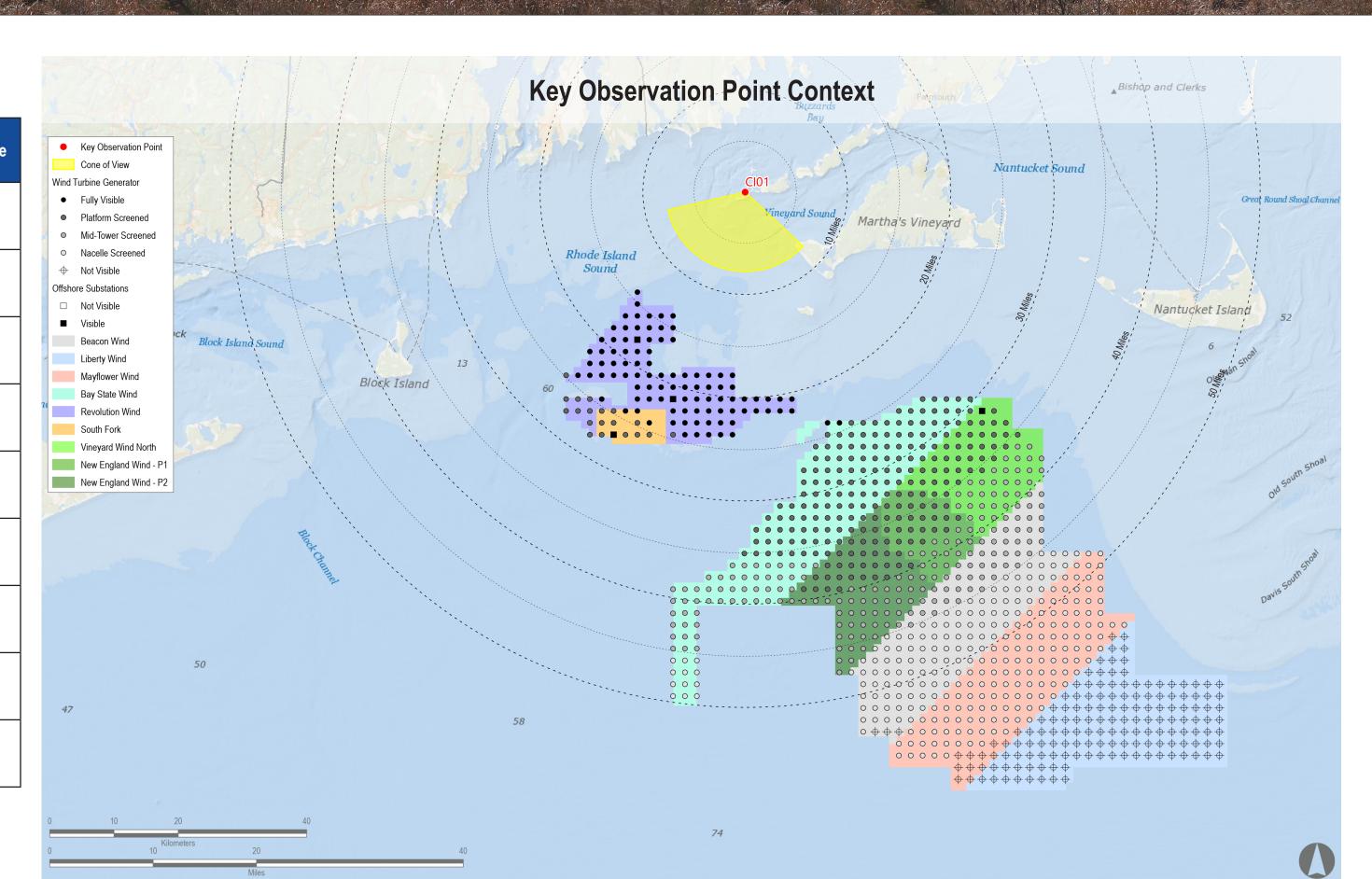
Key Observation Point Information

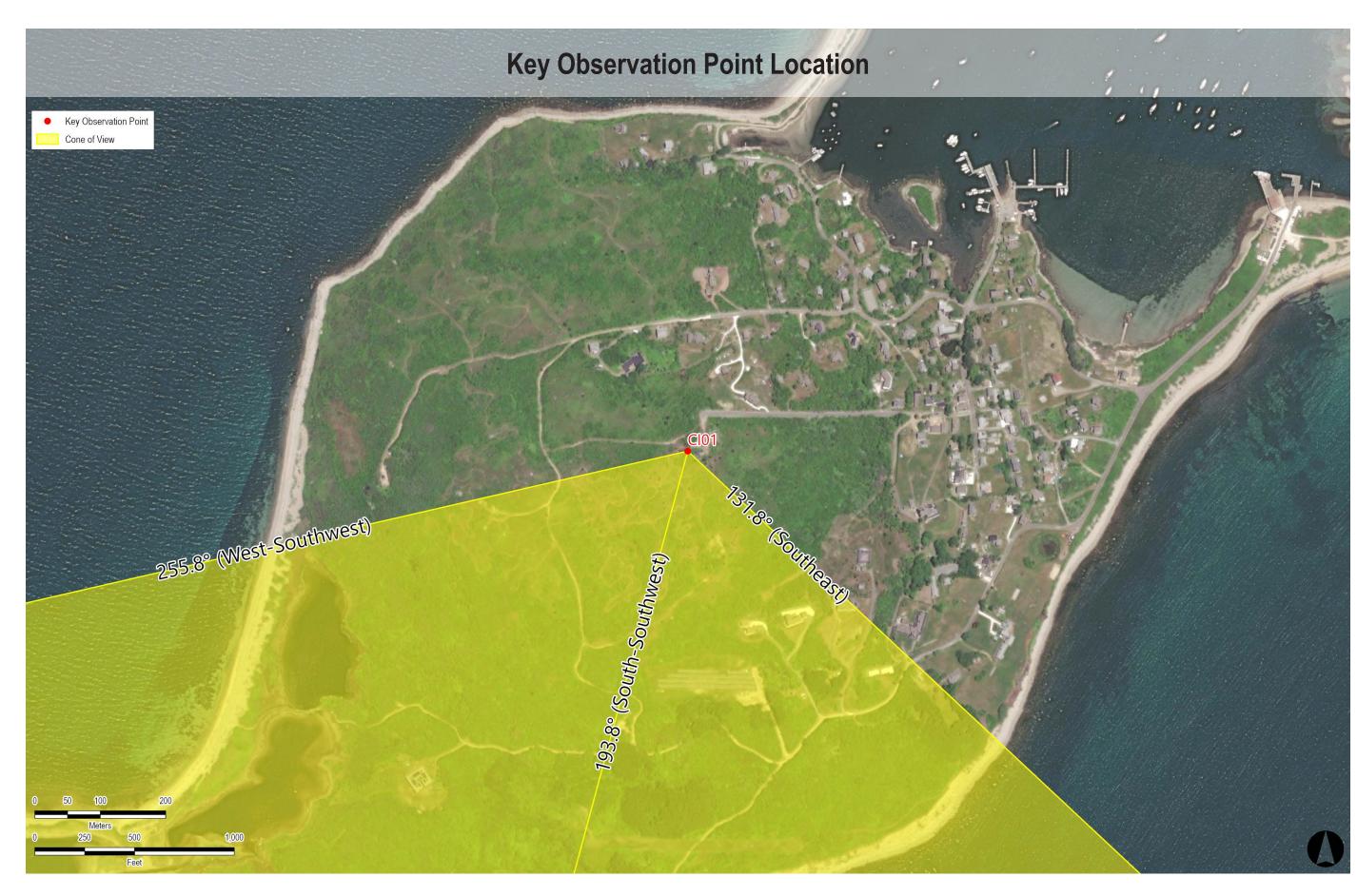
County: Dukes Town: Gosnold State: Massachusetts Location: Cuttyhunk Island Latitude, Longitude: 41.42052° N, 70.93411° W **Direction of View (Center):** South-Southwest (193.8°) Field of View: 124° x 55°

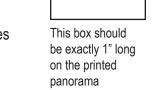
Visual Resources Landscape Similarity Zone: Coastal Scrub/Scrub Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Elizabeth Islands State Scenic Area, Buzzards Bay

- 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
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- 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.

| 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 |









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Appendix A: Sunrise Wind Cumulative Visual Simulations

Cl01: Cuttyhunk Island, Gosnold, Massachusetts

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes

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

Notes:

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

- 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
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- 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.

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|--|---------------------|-----------|--|--|---|--|--|--|
| 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 | | |

