ATLANTIC SHORES offshore wind

Appendix E: Atlantic Shores Offshore Wind Visual Simulations

AC04: Ocean Casino Resort – Sky Garden, Atlantic City, Atlantic County, New Jersey

Existing Conditions

Environmental Data

Date Taken: 08/18/2020
Time: 6:31 AM
Temperature: 70°F
Humidity: 93%
Visibility: >10 miles
Wind Direction: Calm
Wind Speed: 0 mph
Conditions Observed: Mostly Cloudy

Key Observation Point Information

County: Atlantic
Town: Atlantic City
State: New Jersey
Location: Ocean Casino Resort – Sky Garden
Latitude, Longitude: 39.36225°N, 74.41353°W
Direction of View (Center): East-Southeast (109.3°)
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: 117.26 feet AMSL

Visual Resources

Landscape Similarity Zone: Atlantic City, Seascape (SCA)
User Group: Resident/Tourist
Aesthetic Resource: Atlantic City Beach, New Jersey Coastal Heritage Trail Area, Census Tract 19, Census Tract 24, EJA - 340010024003, EJA - 340010019001

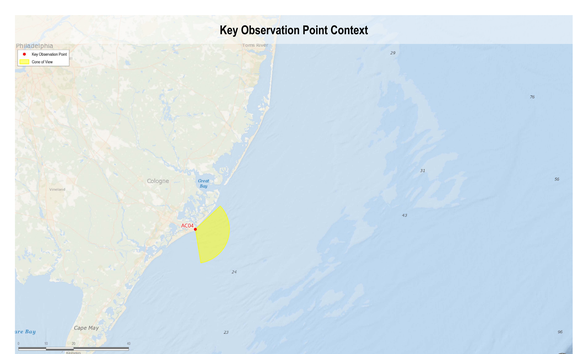
Simulation Size: 66" in width by 29.3" in height. Images should be viewed from a distance of 15 inches in order to obtain the proper perspective.

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

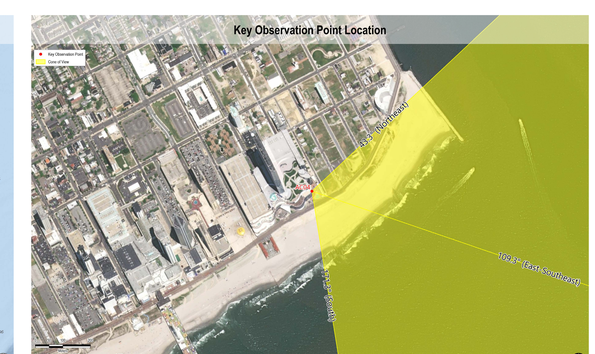
Notes:

- Photosimulation Size: 66" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
- The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.

Key Observation Point Context



Key Observation Point Location



ATLANTIC SHORES offshore wind

Appendix E: Atlantic Shores Offshore Wind Visual Simulations

AC04: Ocean Casino Resort – Sky Garden, Atlantic City, Atlantic County, New Jersey

Visual Simulation: Atlantic Shores North

Environmental Data

Date Taken: 08/18/2020
Time: 6:31 AM
Temperature: 70°F
Humidity: 93%
Visibility: >10 miles
Wind Direction: Calm
Wind Speed: 0 mph
Conditions Observed: Mostly Cloudy

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 117.26 feet AMSL

Key Observation Point Information

County: Atlantic
Town: Atlantic City
State: New Jersey
Location: Ocean Casino Resort – Sky Garden
Latitude, Longitude: 39.36225°N, 74.41353°W
Direction of View (Center): East-Southeast (109.3°)
Field of View: 124° x 55°

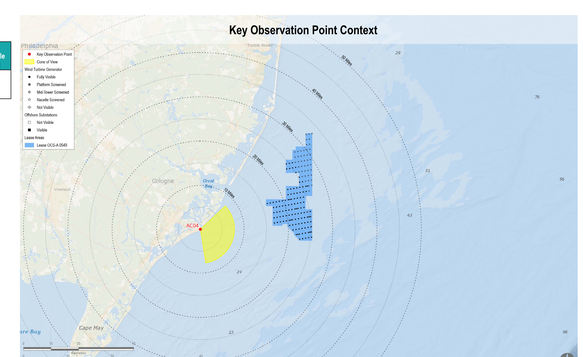
Visual Resources

Landscape Similarity Zone: Atlantic City, Seascape (SCA)
User Group: Resident/Tourist
Aesthetic Resource: Atlantic City Beach, New Jersey Coastal Heritage Trail Area, Census Tract 19, Census Tract 24, EJA - 340010024003, EJA - 340010019001

Project 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)
Atlantic Shores North	2025-2030	20 MW	164	164	16.2	33.2

Key Observation Point Context



Key Observation Point Location

Simulation Size: 66" 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

Notes:

- Photosimulation Size: 66" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
- The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.

ATLANTIC SHORES offshore wind

Appendix E: Atlantic Shores Offshore Wind Visual Simulations

BHB01: Beach Haven Historic District, Beach Haven Borough, Ocean County, New Jersey

Existing Conditions

Environmental Data

Date Taken: 08/19/2020
Time: 7:19 AM
Temperature: 73°F
Humidity: 87%
Visibility: >10 miles
Wind Direction: Calm
Wind Speed: 0 mph
Conditions Observed: Cloudy

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 17.72 feet AMSL

Key Observation Point Information

County: Ocean
Town: Beach Haven Borough
State: New Jersey
Location: Beach Haven Historic District
Latitude, Longitude: 39.56188°N, 74.23545°W
Direction of View (Center): East-Southeast (108.2°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Oceanfront Residential, Seascape (SCA)
User Group: Residents/Tourists, Fishermen
Aesthetic Resource: Beach Haven Borough Public Beach, Beach Haven Historic District, New Jersey Coastal Heritage Trail Area

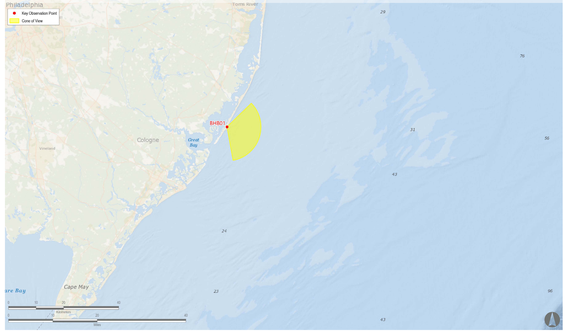
Simulation Size: 66" in width by 29.3" in height. Images should be viewed from a distance of 15 inches in order to obtain the proper perspective.

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

Notes:

- Photosimulation Size: 66" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
- The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.

Key Observation Point Context



Key Observation Point Location

ATLANTIC SHORES offshore wind

Appendix E: Atlantic Shores Offshore Wind Visual Simulations

BHB01: Beach Haven Historic District, Beach Haven Borough, Ocean County, New Jersey

Visual Simulation: Atlantic Shores North

Simulation Size: 66" 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: 08/19/2020
Time: 7:19 AM
Temperature: 73°F
Humidity: 87%
Visibility: >10 miles
Wind Direction: Calm
Wind Speed: 0 mph
Conditions Observed: Cloudy

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 17.72 feet AMSL

Key Observation Point Information

County: Ocean
Town: Beach Haven Borough
State: New Jersey
Location: Beach Haven Historic District
Latitude, Longitude: 39.56188°N, 74.23545°W
Direction of View (Center): East-Southeast (108.2°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Oceanfront Residential, Seascape (SCA)
User Group: Residents/Tourists, Fishermen
Aesthetic Resource: Beach Haven Borough Public Beach, Beach Haven Historic District, New Jersey Coastal Heritage Trail Area

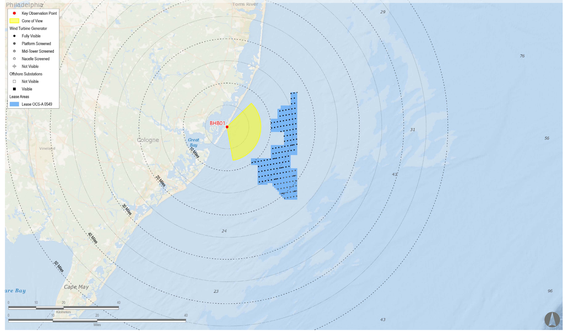
Project Represented in Visual Simulation

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)
Atlantic Shores North	2025-2030	20 MW	164	164	9.9	22.2

Notes:

- Photosimulation Size: 66" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
- The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.

Key Observation Point Context



Key Observation Point Location

ATLANTIC SHORES offshore wind

Appendix E: Atlantic Shores Offshore Wind Visual Simulations

OC04: Gillian's Wonderland Pier, Ocean City, Cape May County, New Jersey

Existing Conditions

Simulation Size: 66" 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: 09/22/2022
Time: 9:21 AM
Temperature: 63°F
Humidity: 41%
Visibility: >10 miles
Wind Direction: North-northwest
Wind Speed: 14 mph
Conditions Observed: Fair

Camera Information
Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 14.50 feet AMSL

Key Observation Point Information

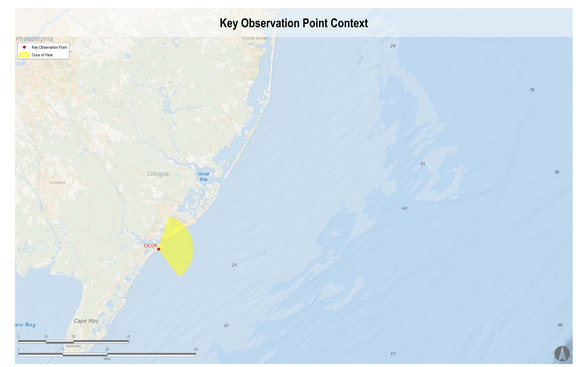
County: Cape May
Town: Ocean City
State: New Jersey
Location: Gillian's Wonderland Pier
Latitude, Longitude: 39.27510°N, 74.56878°W
Direction of View (Center): East (80.6°)
Field of View: 124° x 55°

Visual Resources
Landscape Similarity Zone: Commercial Beachfront, Seascape (SCA)
User Group: Residents/Tourists, Fishermen
Aesthetic Resource: Ocean City Beachfront, Pavilion Motor Lodge, Ocean City Music Pier, New Jersey Coastal Heritage Trail Area, EJA - 340090201021, EJA - 340090201014

Notes:

- Photosimulation Size: 66" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
- The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.

Key Observation Point Context



Key Observation Point Location

ATLANTIC SHORES offshore wind

Appendix E: Atlantic Shores Offshore Wind Visual Simulations

OC04: Gillian's Wonderland Pier, Ocean City, Cape May County, New Jersey

Visual Simulation: Atlantic Shores North

Simulation Size: 66" 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: 09/22/2022
Time: 9:21 AM
Temperature: 63°F
Humidity: 41%
Visibility: >10 miles
Wind Direction: North-northwest
Wind Speed: 14 mph
Conditions Observed: Fair

Camera Information
Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 14.50 feet AMSL

Key Observation Point Information

County: Cape May
Town: Ocean City
State: New Jersey
Location: Gillian's Wonderland Pier
Latitude, Longitude: 39.27510°N, 74.56878°W
Direction of View (Center): East (80.6°)
Field of View: 124° x 55°

Visual Resources
Landscape Similarity Zone: Commercial Beachfront, Seascape (SCA)
User Group: Residents/Tourists, Fishermen
Aesthetic Resource: Ocean City Beachfront, Pavilion Motor Lodge, Ocean City Music Pier, New Jersey Coastal Heritage Trail Area, EJA - 340090201021, EJA - 340090201014

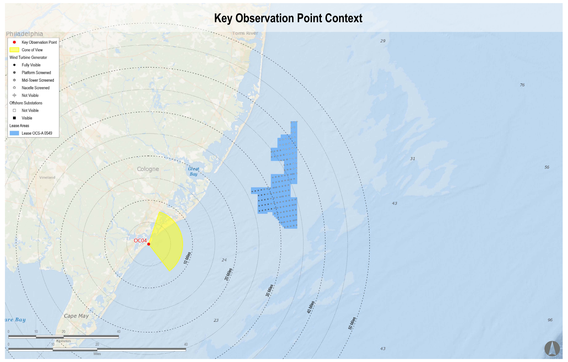
Project Represented in Visual Simulation

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)
Atlantic Shores North	2025-2030	20 MW	157	164	26.1	43.5

Notes:

- Photosimulation Size: 66" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
- The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.

Key Observation Point Context



Key Observation Point Location