

SITE INFORMATION

Site Name: Delaware Seashore State Park	Morning	Mid-Day	Late Afternoon
Location: Key Box Road, DE			
Date: 3/24/2016	3/24/2016	3/24/2023	3/24/2023
Time: 9:20 AM	9:20 AM	1:30 PM	4:19 PM
Coordinates (Lat/Lon WGS84), 3/24/2016: 38.678259, -75.069540	Several factors may influence small differences in the location used for photography including site access restrictions between multiple visits and changes over time from coastal processes.		
Coordinates (Lat/Lon WGS84), 3/24/2023: 38.664015, -75.067212			
Landscape Zone: Barren Land (Rock/Sand/Clay) - Beach			

VIEW AND CAMERA DETAILS

Direction of View:	143.7°	143.7°	143.7°
Ground Elevation (ft msl):	12.3	12.3	12.3
Camera/Viewing Elevation (ft msl):	17.3	17.3	17.3
Camera Used for Simulation Photography:	Nikon D810	Nikon D850	Nikon D750
Camera Lens Focal Length:	50 mm	50 mm	50 mm
Photo Resolution (dpi):	1200	1200	1200
Horizontal Field of View (Panoramas):	124°		
Horizontal Field of View (Single Frame 50 mm Lens):		39.6°	39.6°

ENVIRONMENT

Weather Conditions:	Fair	Mostly cloudy	Cloudy, rain
Temperature:	60° F	62° F	45° F
Humidity:	62%	82%	99%
Lighting Conditions:	Clear	Overcast	Overcast
Visibility:	10 Miles	10 Miles	9 Miles

DEVELOPMENT DETAILS

Total Number of Turbines: 121
 Total Number of Offshore Substations: 4
 Number of Turbines Visible: 121
 Number of Offshore Substations Visible: 0
 Turbine Output: Approximately 18MW
 Turbine Maximum Blade Height: 938 ft
 Turbine Rotor Diameter: 820 ft
 Distance to Nearest Turbine (Statute Miles): 19.5
 Distance to Farthest Visible Turbine (Statute Miles): 38.7
 Nearest Turbine Visible Height (ft, %): 820.2 ft, 87%
 Farthest Turbine Visible Height (ft, %): 292.3 ft, 31%

SHEET INDEX AND VIEWING INSTRUCTIONS

- Sheet 1 – Simulation Context Information
- Sheet 2 – Context Photography
- Sheet 3 – Existing Conditions Panorama View, Morning (8:40 AM)
- Sheet 4 – Panorama View With Simulation, Morning (8:40 AM)
- Sheet 5 – Single Frame (50-mm Lens) Simulation, Mid-Day (1:30 PM)
- Sheet 6 – Single Frame (50-mm Lens) Simulation, Late Afternoon (4:19 PM)

Panorama Viewing Instructions:

To approximate the field of view represented by a 14.5" panorama it should be printed on an 11" x 17" sheet of paper and viewed from 7 inches away¹. If viewed in a digital format (i.e. on screen) then similar size and distance should be used.

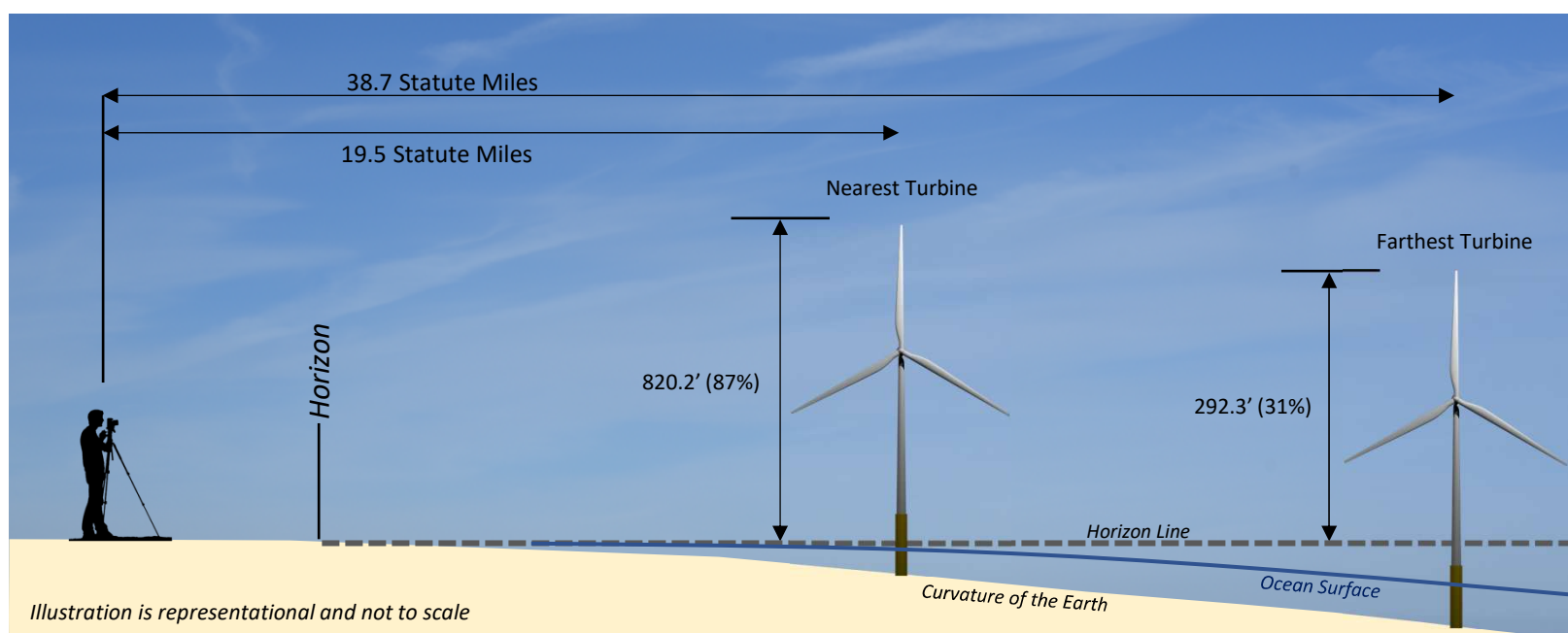
Single Frame Viewing Instructions:

The viewing distance for a 14.5" single frame simulation captured with a 50-mm lens is 21 inches.

In all cases care must be taken to not over or underrepresent the visual contrasts². Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical.

¹ "The Best Paper Format and Viewing Distance to Represent the Scope and Scale of Visual Impacts", Journal of Landscape Architecture, 4-2019, pp. 142-151, J. Palmer

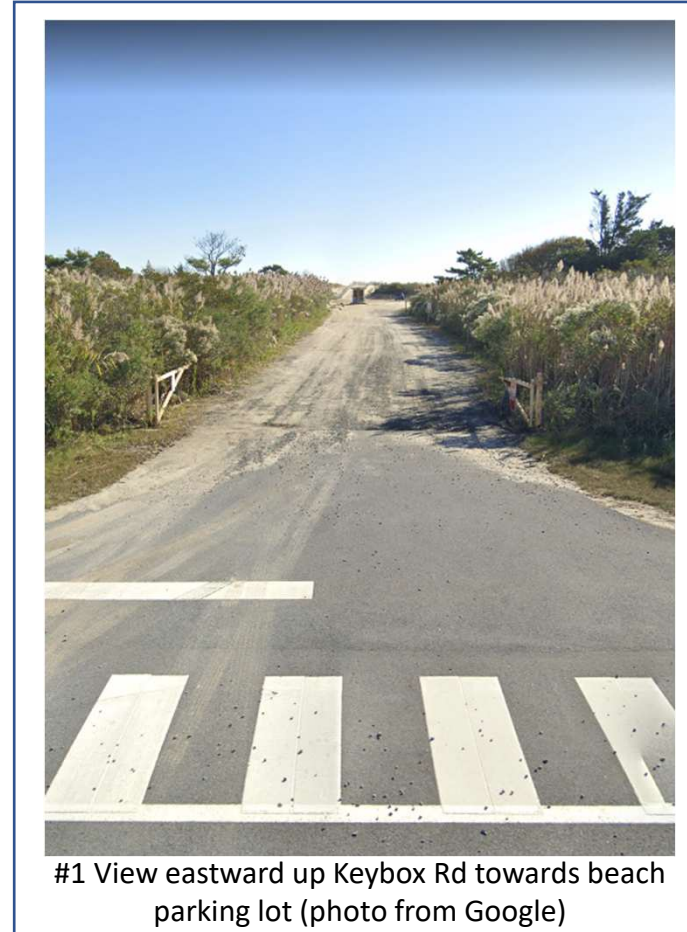
² Sheppard, S. 1989. Visual Simulation: A User's Guide for Architects, Engineers, and Planners. New York: Van Nostrand Reinhold.





Delaware Seashore State Park

This view from Delaware Seashore State Park is northwest of the nearest proposed WTG location. It is a popular recreation area/tourist destination that receives high visitation during the summer and fall. Common activities include swimming, surfing, boating, and fishing.



#1 View eastward up Keybox Rd towards beach parking lot (photo from Google)



#2 View Northwest across Rehoboth Bay (photo from Google)



#3 Viewing North, 03/23/2023 1:30 PM



#4 Viewing East, 03/23/2023 1:30 PM



#5 Viewing South, 03/23/2023 1:30 PM



#6 Viewing West, 03/23/2023 1:30 PM



**KOP 20 DELAWARE SEASHORE STATE PARK, DELAWARE
EXISTING CONDITIONS PANORAMA VIEW, MORNING (8:40 AM)**

Maryland Offshore Wind Project Visual Impact Assessment Simulations

Sheet 3



VIEWING INSTRUCTIONS: To approximate the field of view represented by a 14.5" panorama it should be printed on an 11" x 17" sheet of paper and viewed from 7 inches away¹. If viewed in a digital format (i.e. on screen) then similar size and distance should be used. In all cases care must be taken to not over or underrepresent the visual contrasts². Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

Detail



See Detail

**KOP 20 DELAWARE SEASHORE STATE PARK, DELAWARE
PANORAMA VIEW WITH SIMULATION, MORNING (8:40 AM)**

Maryland Offshore Wind Project Visual Impact Assessment Simulations

Sheet 4



VIEWING INSTRUCTIONS: To approximate the field of view represented by a 14.5" panorama it should be printed on an 11" x 17" sheet of paper and viewed from 7 inches away¹. If viewed in a digital format (i.e. on screen) then similar size and distance should be used. In all cases care must be taken to not over or underrepresent the visual contrasts². Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.



VIEWING INSTRUCTIONS: To approximate the field of view represented by a 14.5" single frame simulation captured with a 50-mm lens it should be printed on an 11" x 17" sheet of paper and viewed from 21 inches away¹. If viewed in a digital format (i.e. on screen) then similar size and distance should be used. In all cases care must be taken to not over or underrepresent the visual contrasts². See Sheet 1 for citations.

**KOP 20 DELAWARE SEASHORE STATE PARK, DELAWARE
SINGLE FRAME (50-mm LENS) SIMULATION, MID-DAY (1:30 PM)**

Maryland Offshore Wind Project Visual Impact Assessment Simulations

Sheet 5





VIEWING INSTRUCTIONS: To approximate the field of view represented by a 14.5" single frame simulation captured with a 50-mm lens it should be printed on an 11" x 17" sheet of paper and viewed from 21 inches away¹. If viewed in a digital format (i.e. on screen) then similar size and distance should be used. In all cases care must be taken to not over or underrepresent the visual contrasts². See Sheet 1 for citations.

**KOP 20 DELAWARE SEASHORE STATE PARK, DELAWARE
SINGLE FRAME (50-mm LENS) SIMULATION, LATE AFTERNOON (4:19 PM)**

Maryland Offshore Wind Project Visual Impact Assessment Simulations

Sheet 6

