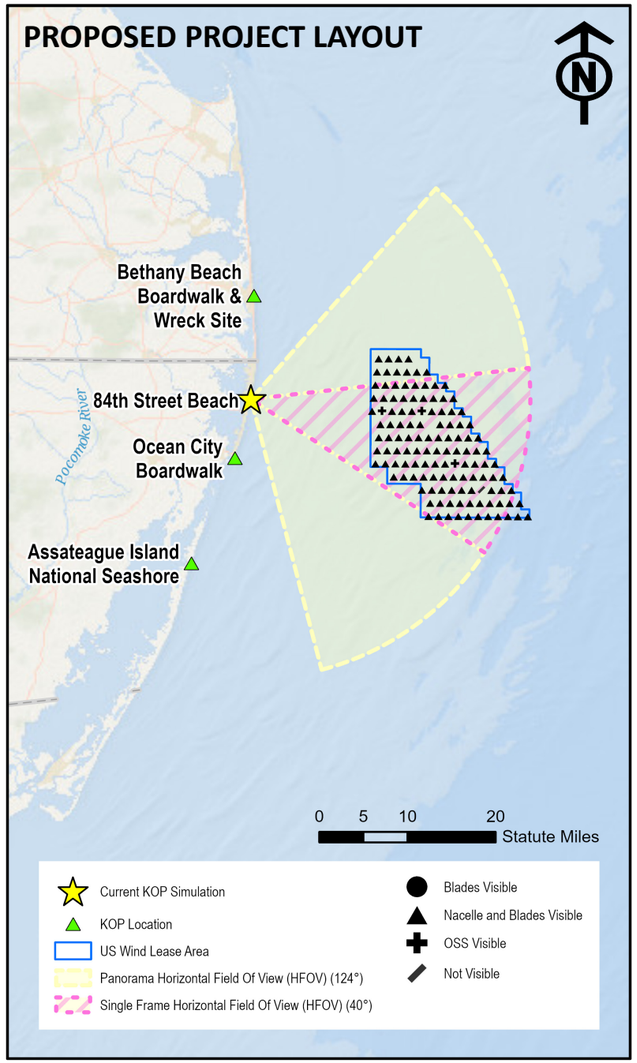
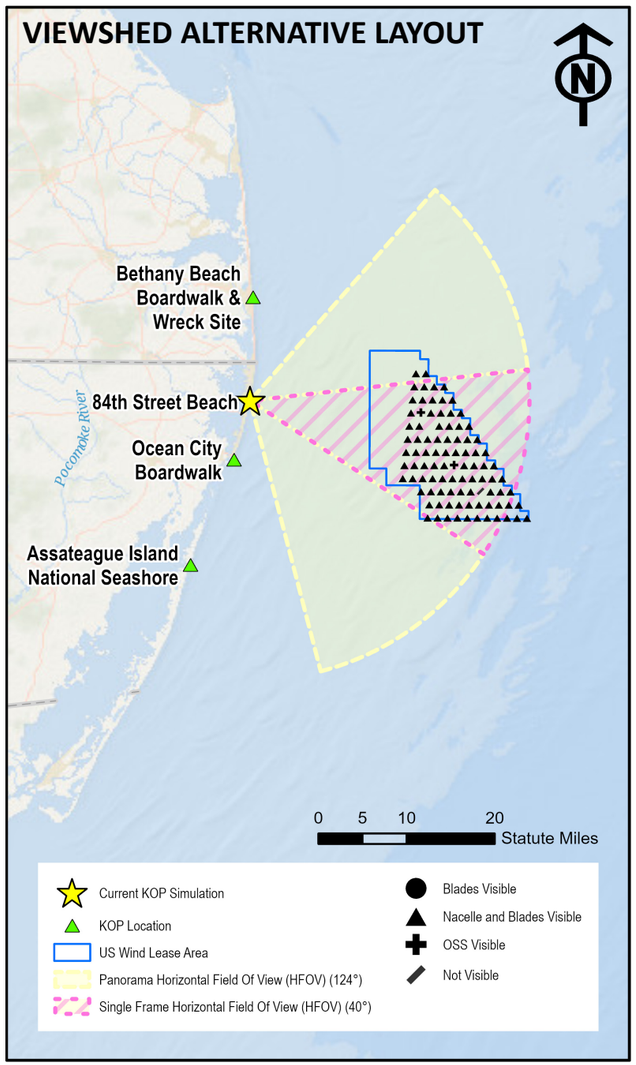
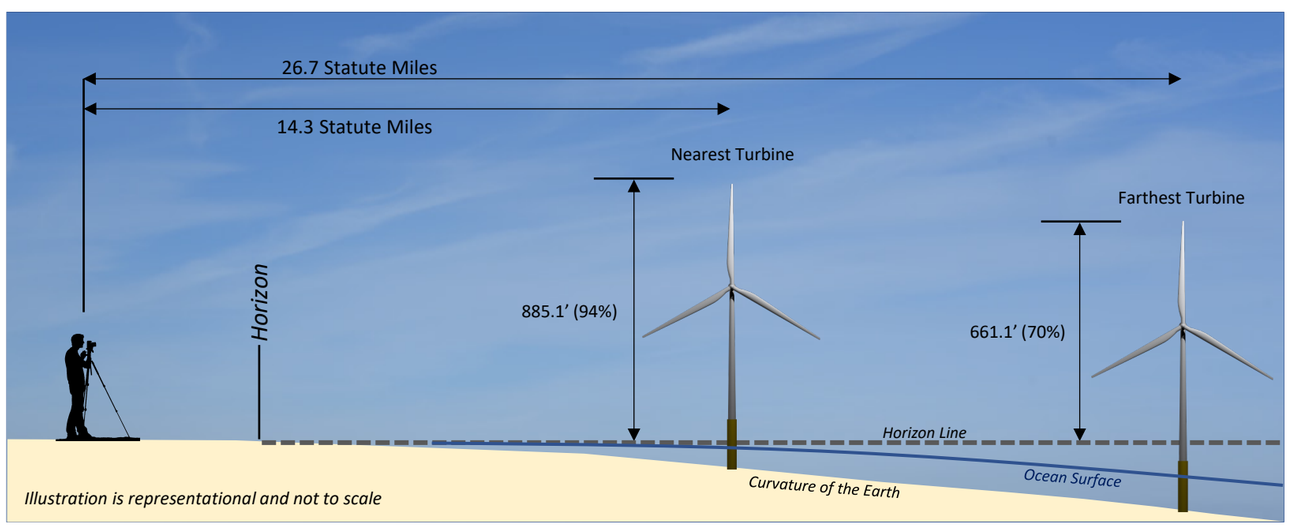






SITE INFORMATION

Site Name: 84th Street Beach
Location: Ocean City, MD
Date: 07/26/2021
Time: 6:22 AM (*1:00 PM)
Coordinates (UTM Zone 18N meters): 494935.68, 4250420.88
Landscape Zone: Barren Land (Rock/Sand/Clay) - Beach

VIEW AND CAMERA DETAILS

Direction of View:	103.3°
Ground Elevation (ft msl):	9.6
Camera/Viewing Elevation (ft msl):	14.6
Camera Used for Simulation Photography:	Nikon D850
Camera Lens Focal Length:	50mm
Photo Resolution (DPI):	1200 dpi
Horizontal Field of View (Panoramas):	124°
Horizontal Field of View (Single Frame 50 mm Lens):	39.6°

ENVIRONMENT

Weather Conditions:	Calm
Temperature:	87° F
Humidity:	69%
Lighting Conditions:	Partly Cloudy
Visibility:	10 Miles

DEVELOPMENT DETAILS

Total Number of Turbines: 89
Total Number of Offshore Substations: 3
Number of Turbines Visible: 89
Number of Offshore Substations Visible: 2
Turbine Output: 18MW
Turbine Maximum Blade Height: 938 ft
Turbine Rotor Diameter: 820 ft
Distance to Nearest Turbine (Statute Miles): 14.3
Distance to Farthest Visible Turbine (Statute Miles): 26.7
Nearest Turbine Visible Height (ft, %): 885.1 ft, 94%
Farthest Turbine Visible Height (ft, %): 661.1 ft, 70%

SHEET INDEX AND VIEWING INSTRUCTIONS

Sheet 1 – Simulation Context Information
Sheet 2 – Panorama View (124°) With Simulation
Sheet 3 – Single Frame (50-mm Lense) With Simulation (Left View)
Sheet 4 – Single Frame (50-mm Lense) With Simulation (Right View)
Sheet 5 – Supplemental Single Frame (50-mm Lense) With Simulation (Left View)*
Sheet 6 – Supplemental Single Frame (50-mm Lense) With Simulation (Right View)*

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 away[1]. If viewed in a digital format (i.e. on screen) then similar size and distance should be used.

Care must be taken to not over or underrepresent the visual contrasts[2]. 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 Rheinhold.

KOP 22 84TH STREET BEACH, OCEAN CITY MARYLAND

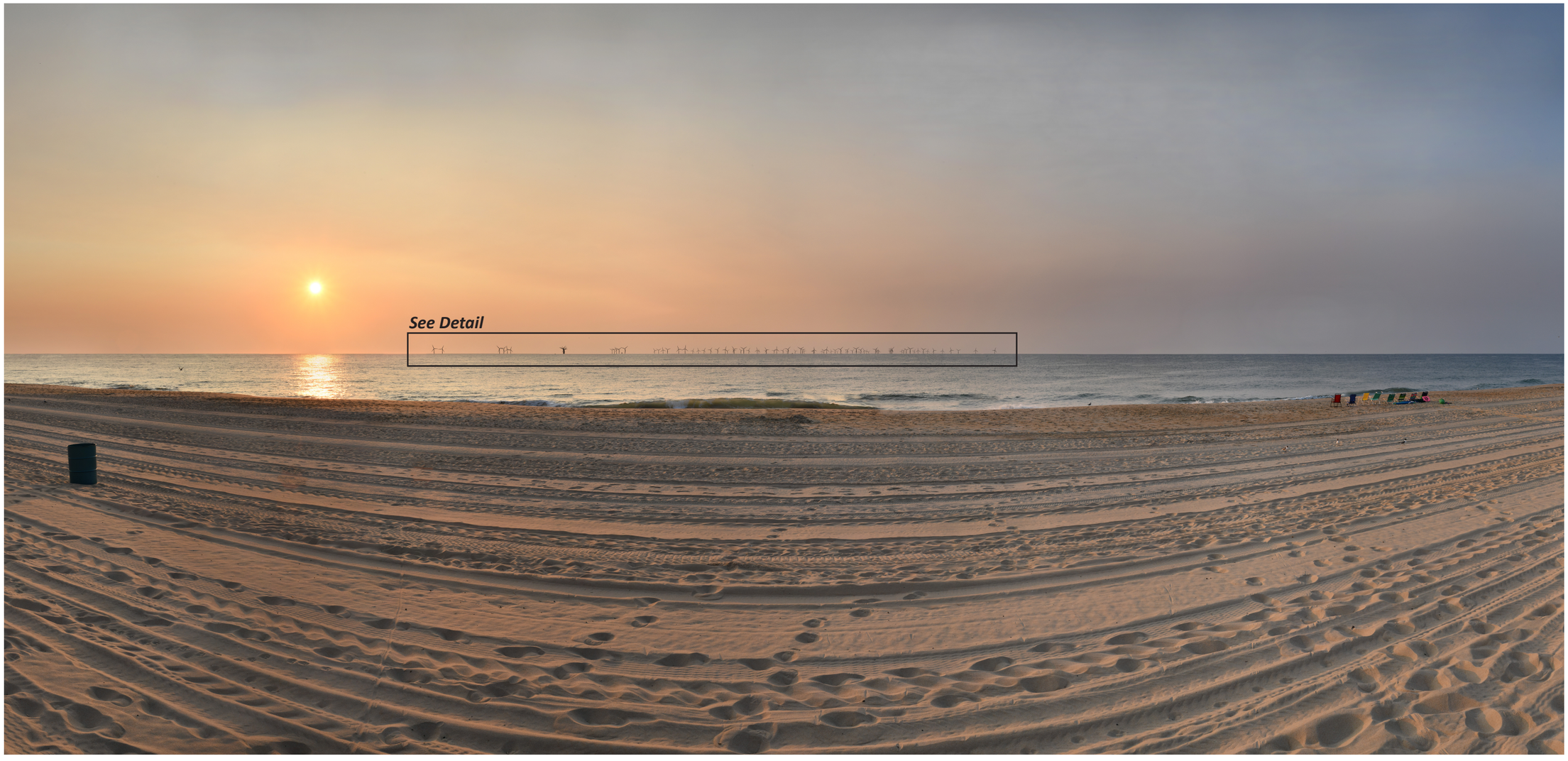
SIMULATION CONTEXT INFORMATION

Maryland Offshore Wind Project Viewshed Alternative

Sheet 1

TRC

Detail



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 away[1]. 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 contrasts[2]. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

KOP 22 84TH STREET BEACH, OCEAN CITY MARYLAND
PANORAMA VIEW (124°) WITH SIMULATION

Maryland Offshore Wind Project Viewshed Alternative

Sheet 2

TRC

VIEWING INSTRUCTIONS: To approximate the field of view represented by a 15.7” single frame simulation captured with a 50-mm lens it should be printed on an 11” x 17” sheet of paper and viewed from 22 inches away[1]. For the most realistic experience when viewing in a digital format, position your computer screen 20” away and adjust the PDF viewing software’s zoom so that the calibration bar is 1 inch long:

1” Measured On Screen – View from 20” Away

In all cases care must be taken to not over or underrepresent the visual contrasts[2]. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

KOP 22 84TH STREET BEACH, OCEAN CITY MARYLAND

Maryland Offshore Wind Project Viewshed Alternative

SHEET 3 - SINGLE FRAME (50-mm LENS) WITH SIMULATION (LEFT VIEW)

TRC

VIEWING INSTRUCTIONS: To approximate the field of view represented by a 15.7” single frame simulation captured with a 50-mm lens it should be printed on an 11” x 17” sheet of paper and viewed from 22 inches away[1]. For the most realistic experience when viewing in a digital format, position your computer screen 20” away and adjust the PDF viewing software’s zoom so that the calibration bar is 1 inch long:

1” Measured On Screen – View from 20” Away

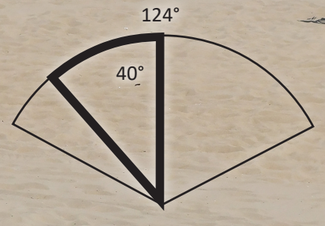
In all cases care must be taken to not over or underrepresent the visual contrasts[2]. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

KOP 22 84TH STREET BEACH, OCEAN CITY MARYLAND

Maryland Offshore Wind Project Viewshed Alternative

SHEET 4 - SINGLE FRAME (50-mm LENS) WITH SIMULATION (RIGHT VIEW)

TRC



VIEWING INSTRUCTIONS: To approximate the field of view represented by a 15.7” single frame simulation captured with a 50-mm lens it should be printed on an 11” x 17” sheet of paper and viewed from 22 inches away[1]. For the most realistic experience when viewing in a digital format, position your computer screen 20” away and adjust the PDF viewing software’s zoom so that the calibration bar is 1 inch long:

1” Measured On Screen – View from 20” Away

In all cases care must be taken to not over or underrepresent the visual contrasts[2]. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

KOP 22 84TH STREET BEACH, OCEAN CITY MARYLAND

Maryland Offshore Wind Project Viewshed Alternative

SHEET 5 - SUPPLEMENTAL SINGLE FRAME (50-mm LENS) WITH SIMULATION

TRC

VIEWING INSTRUCTIONS: To approximate the field of view represented by a 15.7” single frame simulation captured with a 50-mm lens it should be printed on an 11” x 17” sheet of paper and viewed from 22 inches away[1]. For the most realistic experience when viewing in a digital format, position your computer screen 20” away and adjust the PDF viewing software’s zoom so that the calibration bar is 1 inch long:

1” Measured On Screen – View from 20” Away

In all cases care must be taken to not over or underrepresent the visual contrasts[2]. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

KOP 22 84TH STREET BEACH, OCEAN CITY MARYLAND

Maryland Offshore Wind Project Viewshed Alternative

SHEET 6 - SUPPLEMENTAL SINGLE FRAME (50-mm LENS) WITH SIMULATION

TRC