





ENVIRONMENT		VIEV
Weather Conditions:	Cloudy	print
Temperature:	46° F	view
Humidity:	90%	that
Lighting Conditions:	Overcast	
Visibility:	10 Miles	In all
VIEW AND CAMERA DETAILS		view
Ground Elevation (ft msl):	13.3	
Camera/Viewing Elevation (ft msl):	18.3	
Camera Used for Simulation Photography	: Nikon D850	
Camera Lens Brand, Type, Focal Length:	Nikon fixed 50 mm	
Photo Resolution:	1200 DPI	
Horizontal Field of View (Panoramas):	124°	
Horizontal Field of View (Single Frame 50		
mm Lens):	39.6°	
Atmospheric Refraction Coefficient (k):	0.143	

WING INSTRUCTIONS: To approximate the field of view represented by a 16.5" panorama simulation, it should be nted on an 11" x 17" sheet of paper and viewed from 8 inches away<sup>1</sup>. For the most realistic experience when wing in a digital format, position your computer screen 20" away and adjust the PDF viewing software's zoom so t the calibration bar is 1 inch long:

all cases care must be taken to not over or underrepresent the visual contrasts<sup>2</sup>. Typical binocular human field of w is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

1" Measured On Screen – View from 20" Away

# **KOP 3 ASSATEAGUE ISLAND NATIONAL SEASHORE, MARYLAND**

Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations Scenario 3, Project Construction by 2030

### SHEET 5 - PANORAMA VIEW (124°) WITH SIMULATIONS AND **PROJECT EXTENTS**









An Aircraft Detection Lighting System (ADLS) Efficacy Report, included with the Visual Impact Assessment, indicated that use of an ADLS would reduce aviation obstruction lighting by 99% and that lights of the Maryland Offshore Wind Project would be illuminated less than 6 hours each year. Multiple projects employing ADLS would be illuminated a small fraction of 1% of the year, if at all.

Nighttime conditions are simulated from daytime photography. The height of the nighttime panorama has been reduced slightly to accommodate the project extents panel above.

VIEWING INSTRUCTIONS: To approximate the field of view represented by a 16.5" panorama simulation, it should be printed on an 11" x 17" sheet of paper and viewed from 8 inches away<sup>1</sup>. 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:

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

#### **Project Extents Visible from this KOP in the Current Scenario**



1" Measured On Screen – View from 20" Away

# **KOP 3 ASSATEAGUE ISLAND NATIONAL SEASHORE, MARYLAND**

Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations Scenario 3, Project Construction by 2030

# SHEET 6 – PANORAMA VIEW (124°) WITH NIGHTTIME SIMULATIONS AND PROJECT EXTENTS









	ENVIRONMENT		VIEWING INSTRUCTIONS: To	
	Weather Conditions:	Partly Sunny	printed on an 11" x 17" sheet	
	Temperature:	54° F	viewing in a digital format, po that the calibration bar is 1 ir	
	Humidity:	79%		
	Lighting Conditions:	Sunny/Clear		
	Visibility:	10 Miles	In all cases care must be take	
	VIEW AND CAMERA DETAILS		view is assumed to be 124-de	
	Ground Elevation (ft msl):	11.5		
	Camera/Viewing Elevation (ft msl):	16.5		
	Camera Used for Simulation Photography:	Nikon D850	Mar	
	Camera Lens Brand, Type, Focal Length:	Nikon Fixed 50 mm		
	Photo Resolution:	1200 DPI		
	Horizontal Field of View (Panoramas):	124°	SHEET 5 - P	
	Horizontal Field of View (Single Frame 50 mm		SHEET 5 - F	
	Lens):	39.6°		
	Atmospheric Refraction Coefficient (k):	0.143		
t				

To approximate the field of view represented by a 16.5" panorama simulation, it should be set of paper and viewed from 8 inches away<sup>1</sup>. For the most realistic experience when position your computer screen 20" away and adjust the PDF viewing software's zoom so inch long:

1" Measured On Screen – View from 20" Away

ken to not over or underrepresent the visual contrasts<sup>2</sup>. Typical binocular human field of degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

## **KOP 16 BETHANY BEACH, DELAWARE**

aryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations Scenario 3, Project Construction by 2030

# PANORAMA VIEW (124°) WITH SIMULATIONS AND PROJECT EXTENTS



Ocean Wind 2

Garden State Offshore Wind

Skipjack





_		
	ENVIRONMENT	
١	Weather Conditions:	Mostly cloudy
-	Temperature:	62° F
1	Humidity:	82%
1	Lighting Conditions:	Overcast
ľ	Visibility:	10 Miles
	VIEW AND CAMERA DETAILS	
(	Ground Elevation (ft msl):	12.3
(	Camera/Viewing Elevation (ft msl):	17.3
(	Camera Used for Simulation Photography:	Nikon D850
(	Camera Lens Brand, Type, Focal Length:	Nikon Fixed 50 mm
1	Photo Resolution:	1200 DPI
	Horizontal Field of View (Panoramas):	124°
1	Horizontal Field of View (Single Frame 50 mm	
	Lens):	39.6°
/	Atmospheric Refraction Coefficient (k):	0.143

VIEWING INSTRUCTIONS: To approximate the field of view represented by a 16.5" panorama simulation, it should be printed on an 11" x 17" sheet of paper and viewed from 8 inches away<sup>1</sup>. 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:

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

> KOP 21 DELAWARE SEASHORE STATE PARK, DELAWARE Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations

Maryland Offshore Wind Project



1" Measured On Screen – View from 20" Away

Scenario 3, Project Construction by 2030

#### SHEET 5 - PANORAMA VIEW (124°) WITH SIMULATIONS AND **PROJECT EXTENTS**









	ENVIRONMENT		VIEWING INSTRUCTIONS: T
	Weather Conditions:	Mostly cloudy, rain	printed on an 11" x 17" she viewing in a digital format,
'	Temperature:	61° F	that the calibration bar is 1
	Humidity:	74%	
	Lighting Conditions:	Overcast	
	Visibility:	10 Miles	In all cases care must be ta
	VIEW AND CAMERA DETAILS		view is assumed to be 124-
L	Ground Elevation (ft msl):	14.6	
	Camera/Viewing Elevation (ft msl):	19.6	
	Camera Used for Simulation Photography:	Nikon D850	м
	Camera Lens Brand, Type, Focal Length:	Nikon Fixed 50 mm	
	Photo Resolution:	1200 DPI	
	Horizontal Field of View (Panoramas):	124°	SHEET 5 -
	Horizontal Field of View (Single Frame 50 mm		JILLI J-
	Lens):	39.6°	
	Atmospheric Refraction Coefficient (k):	0.143	
ət			

: To approximate the field of view represented by a 16.5" panorama simulation, it should be sheet of paper and viewed from 8 inches away<sup>1</sup>. For the most realistic experience when at, position your computer screen 20" away and adjust the PDF viewing software's zoom so s 1 inch long:

1" Measured On Screen – View from 20" Away

taken to not over or underrepresent the visual contrasts<sup>2</sup>. Typical binocular human field of 24-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

#### KOP 1 OCEAN CITY BOARDWALK, MARYLAND

Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations Scenario 3, Project Construction by 2030

#### PANORAMA VIEW (124°) WITH SIMULATIONS AND PROJECT EXTENTS















ENVIRONMENT		VIEWING INSTRUCTIO
Weather Conditions:	Clear/Calm	printed on an 11" x 17 viewing in a digital for
Temperature:	54° F	that the calibration ba
Humidity:	49%	
Lighting Conditions:	Clear/Sunny	
Visibility:	10 Miles	In all cases care must l
VIEW AND CAMERA DETAILS		view is assumed to be
Ground Elevation (ft msl):	148.3	
Camera/Viewing Elevation (ft msl):	153.3	
Camera Used for Simulation Photography:	Nikon D850	
Camera Lens Brand, Type, Focal Length:	Nikon Fixed 50 mm	
Photo Resolution:	1200 DPI	
Horizontal Field of View (Panoramas):	124°	SHEET
Horizontal Field of View (Single Frame 50		SHEETS
mm Lens):	39.6°	
Atmospheric Refraction Coefficient (k):	0.143	

ONS: To approximate the field of view represented by a 16.5" panorama simulation, it should be 17" sheet of paper and viewed from 8 inches away<sup>1</sup>. For the most realistic experience when ormat, position your computer screen 20" away and adjust the PDF viewing software's zoom so bar is 1 inch long:

1" Measured On Screen – View from 20" Away

be taken to not over or underrepresent the visual contrasts<sup>2</sup>. Typical binocular human field of be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

**KOP 24 CAPE MAY LIGHTHOUSE, NEW JERSEY** 

Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations Scenario 3, Project Construction by 2030

5 – PANORAMA VIEW (124°) WITH SIMULATIONS AND **PROJECT EXTENTS** 

