

KOP 36: Asbury Convention Hall Balcony | Season: Winter | Time of Day: Late-Noon

Base Photographic Documentation

Date (MM/DD/YYYY): 4/02/2023
Time (24hr): 13:32
GPS Longitude: -73.99769319
GPS Latitude: 40.22327617
Viewpoint Elevation (ft): 46.146
Camera Height (ft): 5.41
Camera Heading (°): 97
Camera Direction: E

Camera Information

Camera Make & Model: Canon EOS 5DS R
Camera Sensor Size: 36mm x 24mm
Lens Make & Model: Sigma F1.4 DG HSM A025
Lens Focal Length: 20mm
Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 203
Sun Elevation: 30.52
Lighting Angle (On Turbines): Right Lit
Weather Conditions: Partly Cloudy
Maximum Visibility (NM): 25.85
Temperature (°F): 17
Temperature (°C): -8.33
Humidity (%): 42

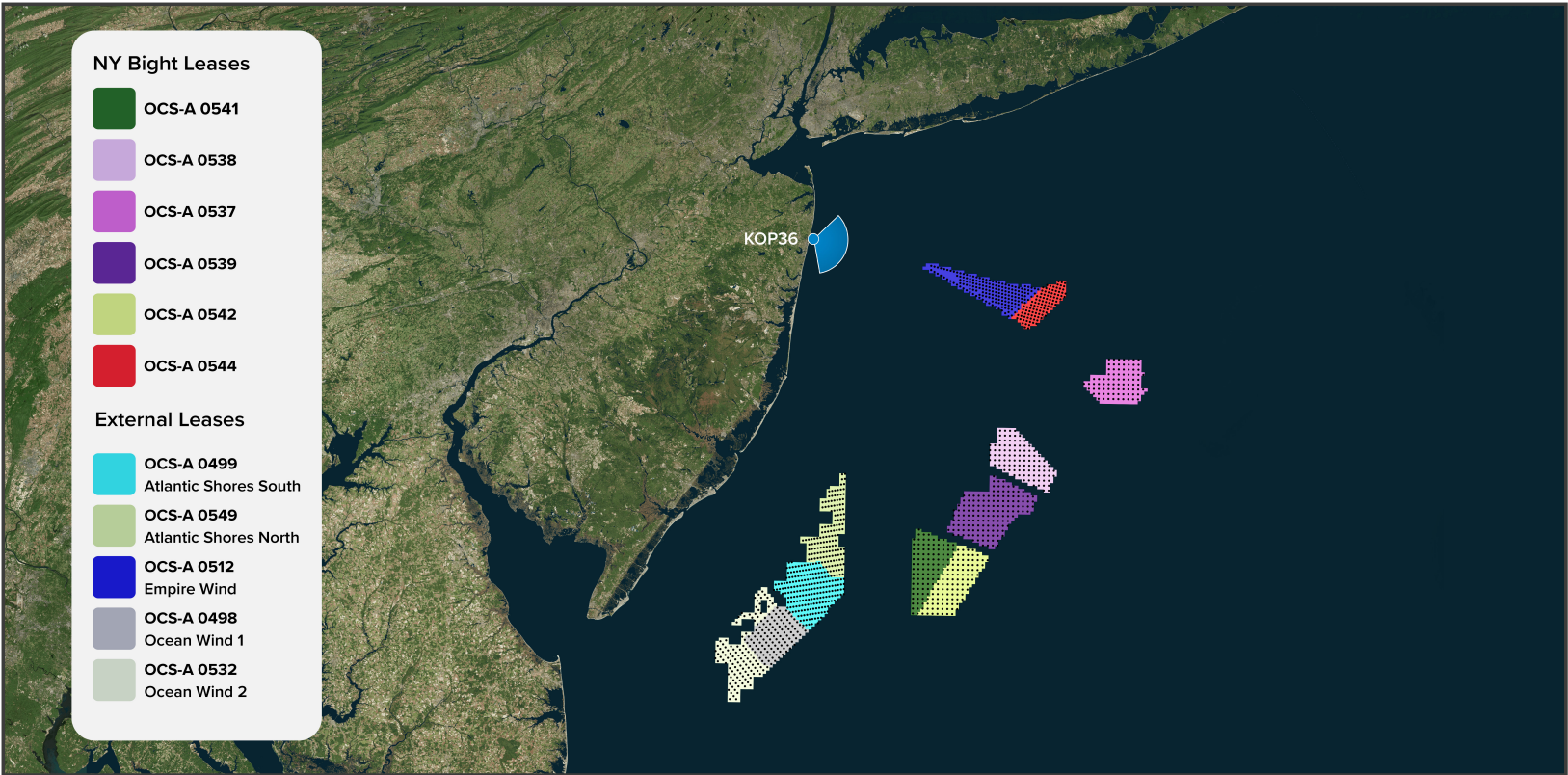
Viewing Instructions

11 x 17 inch Printed Display: Distance is 19.7 inches (500mm)
On-Screen Display: Distance is 19.7 inches (500mm)

Image Preview



Context Map



KOP 36: Asbury Convention Hall Balcony | Season: Winter | Time of Day: Late-Noon

NY Bight Turbine Information - 1312ft (399.9m)

Lease Area	Distance to Nearest Turbine in Miles (km)	Turbines Visible		
		Blade Tip	Hub	Mid Tower
Total	-	188	0	0
OCS-A 0544	42.62 (68.60)	99	0	0
OCS-A 0537	61.12 (98.36)	0	0	0
OCS-A 0538	47.73 (76.82)	85	0	0
OCS-A 0539	52.63 (84.69)	4	0	0
OCS-A 0541	55.10 (88.67)	0	0	0
OCS-A 0542	62.67 (100.86)	0	0	0

Blade tip counts are a summation of only blade tips visible, only hubs visible, and mid-towers visible. Hub counts are a summation of only hubs visible and mid towers visible.

Turbine Visibility	Turbine Visibility & Percentage
Amount of Nearest Turbine Hidden in ft (m)	763.6 (232.8)
Percent of Nearest Turbine Hidden (%)	58.2%
Amount of Nearest Turbine Visible in ft (m)	548.4 (167.2)
Percent of Nearest Turbine Visible (%)	41.8%

NY Bight Turbine Specifications

Turbine Components	Measurements ft (m)
Rotor Diameter in ft (m)	1212 (369.4)
Total Height to Tip of Blade in ft (m)	1312 (399.9)
Hub Height in ft (m)	706 (215.2)
Support Structure Height in ft (m)	25 (7.6)
Service Platform in ft (m)	100 (30.5) x 200 (61.0) Steel Platform above MWS
Total Number of Turbines	1481

NY Bight Turbine Information - 853ft (260m)
No Simulation

Lease Area	Distance to Nearest Turbine in Miles (km)	Turbines Visible		
		Blade Tip	Hub	Mid Tower
Total	-	11	0	0
OCS-A 0544	42.62 (68.60)	11	0	0
OCS-A 0537	61.12 (98.36)	0	0	0
OCS-A 0538	47.73 (76.82)	0	0	0
OCS-A 0539	52.63 (84.69)	0	0	0
OCS-A 0541	55.10 (88.67)	0	0	0
OCS-A 0542	62.67 (100.86)	0	0	0

Blade tip counts are a summation of only blade tips visible, only hubs visible, and mid-towers visible. Hub counts are a summation of only hubs visible and mid towers visible.

Turbine Visibility	Turbine Visibility & Percentage
Amount of Nearest Turbine Hidden in ft (m)	763.6 (232.8)
Percent of Nearest Turbine Hidden (%)	89.5%
Amount of Nearest Turbine Visible in ft (m)	89.4 (27.3)
Percent of Nearest Turbine Visible (%)	10.5%

NY Bight Turbine Specifications

Turbine Components	Measurements ft (m)
Rotor Diameter in ft (m)	722 (220.1)
Total Height to Tip of Blade in ft (m)	853 (260)
Hub Height in ft (m)	361 (110)
Support Structure Height in ft (m)	25 (7.6)
Service Platform in ft (m)	100 (30.5) x 200 (61.0) Steel Platform above MWS
Total Number of Turbines	1481

External Turbine Information

Lease Area	Distance to Nearest Turbine in Miles (km)	Turbines Visible		
		Blade Tip	Hub	Mid Tower
Total	-	216	76	N/A
OCS-A 0499	N/A	0	0	N/A
OCS-A 0549	38.1 (61.4)	48	2	N/A
OCS-A 0512	24.9 (40.0)	168	74	N/A
OCS-A 0498	N/A	0	0	N/A
OCS-A 0532	N/A	0	0	N/A

Cumulative Turbine Visibility
(Total WTG Count for NY Bight + External Leases)

1312ft (399.9m)			853ft (260m) - No Simulation		
Blade Tip	Hub	Mid Tower	Blade Tip	Hub	Mid Tower
404	76	0	227	76	0

The cumulative mid tower counts for both turbine heights are conservative values due to having no mid tower data for the external leases.

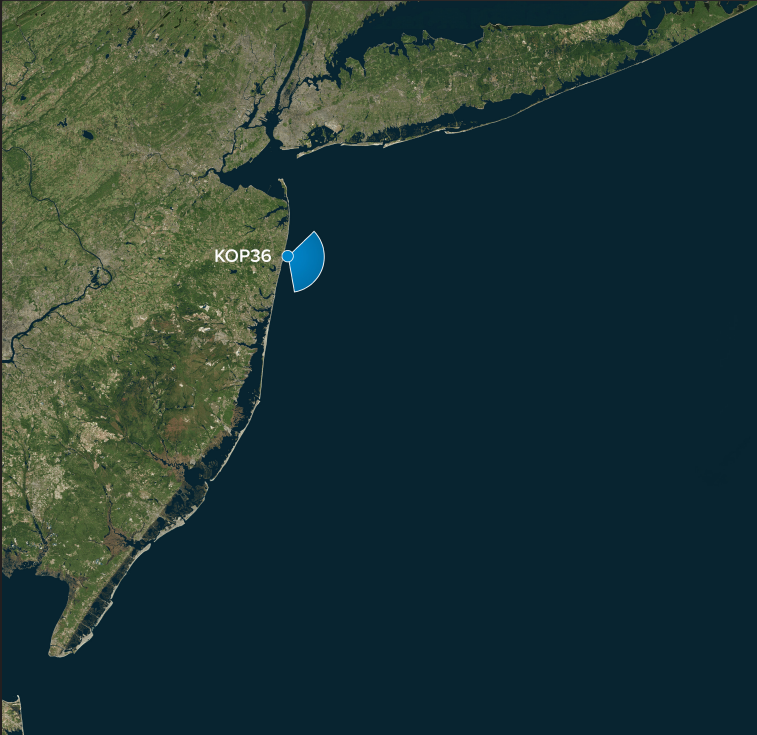
External Turbine Specifications

Lease Area	Rotor Diameter in ft (m)	Total Height to Tip of Blade in ft (m)	Hub Height in ft (m)	Support Structure Height in ft (m)
OCS-A 0499	918.6 (279.9)	1049 (319.7)	577 (176)	25 (7.6)
OCS-A 0549	918.6 (279.9)	1049 (319.7)	577 (176)	25 (7.6)
OCS-A 0512	853 (259.9)	951 (290)	525 (160)	25 (7.6)
OCS-A 0498	788 (240 1)	906 (276)	512 (156)	25 (7 6)



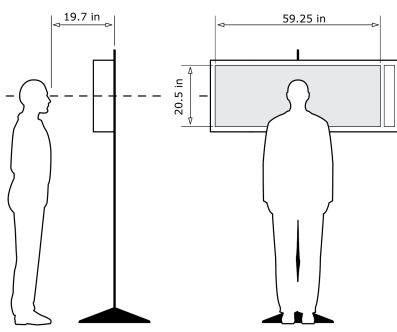
KOP 36, Asbury Convention Hall Balcony, Late-Noon, Heading 97° - Existing View

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Viewing distance 19.7 inches



Latitude: 40.22327617
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Height of Camera Above Ground: 5.41
Date of Photography: 4/02/2023 at 13:32
Horizontal Field of View: 124°
Vertical Field of View: 55°

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS



NOTES:
Viewpoint locations have been precision surveyed by
New York City Land Surveyors PC
63 Montgomery Avenue
Staten Island NY 10301

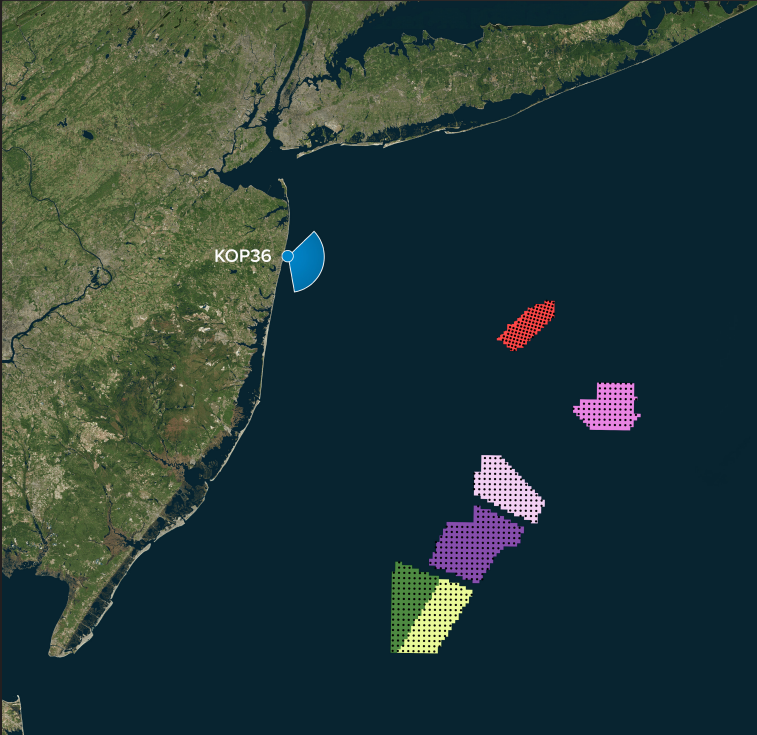
Heights are above mean sea level.
Structure design and placement are subject to final engineering.
No part of this photo simulation shall be altered in any way.

Photo Simulation Created Using
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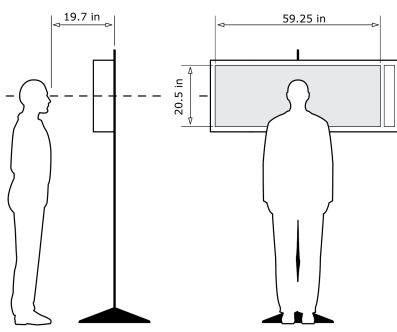
KOP 36, Asbury Convention Hall Balcony, Late-Noon, Heading 97° - **Proposed View - NY Bight Leases (1312ft) - Predicted Visibility**

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Nearest Turbine: 42.6mi (68.6km) (OCS-A 0544)
Furthest Visible Turbine: 53.1mi (85.5km) (OCS-A 0538)
Horizontal Field of View the Projects Occupy: 61.9°

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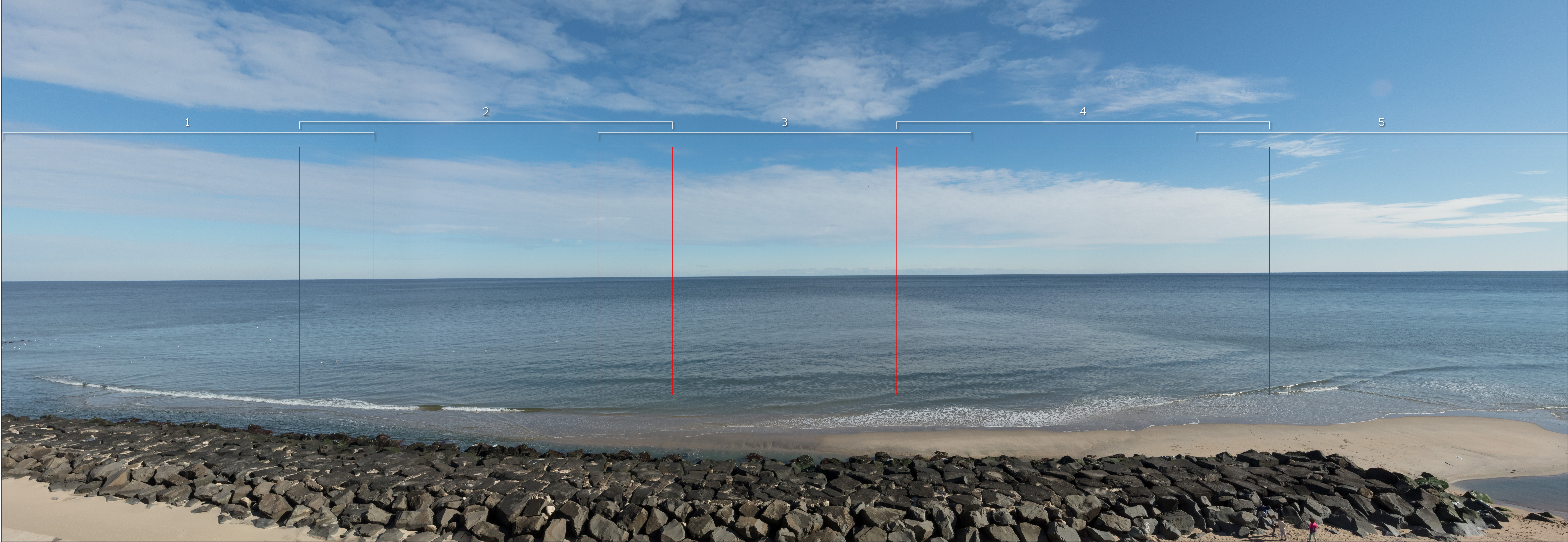


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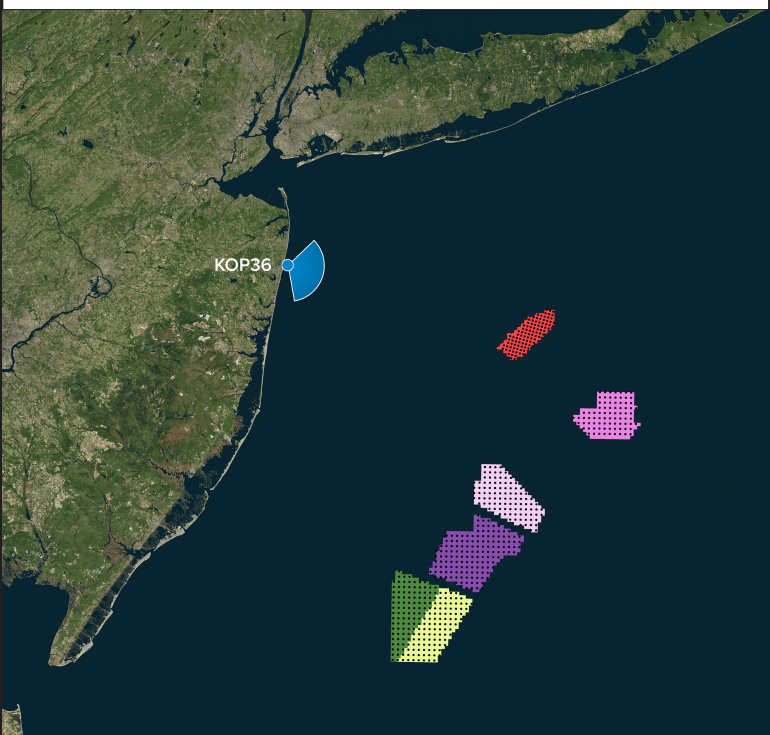
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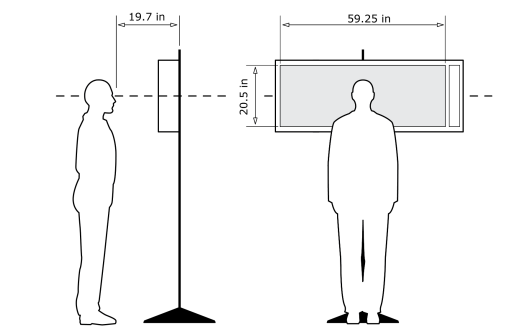
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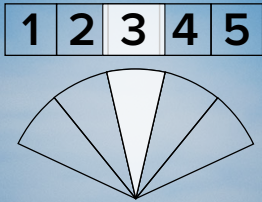
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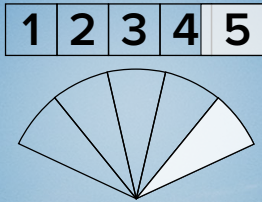
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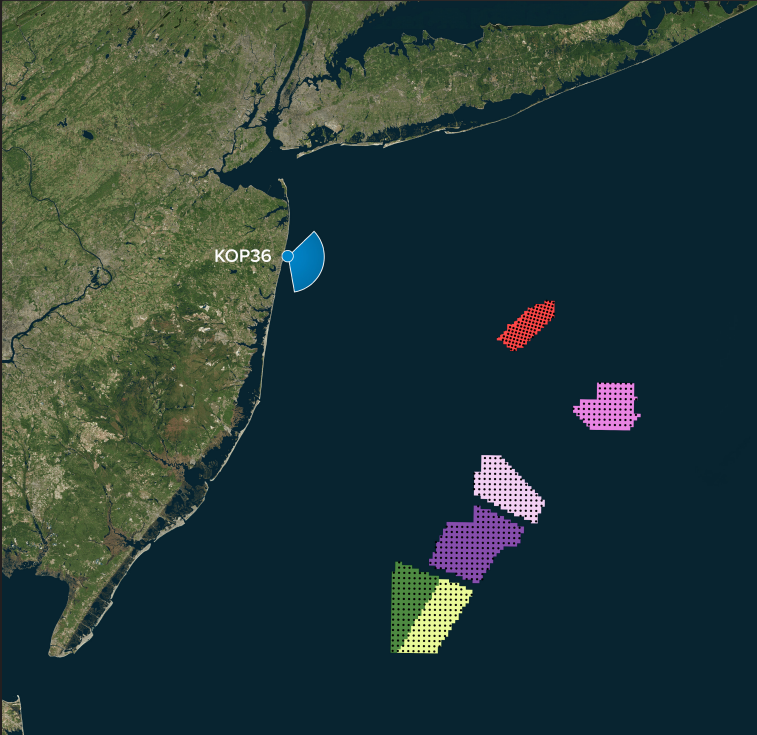


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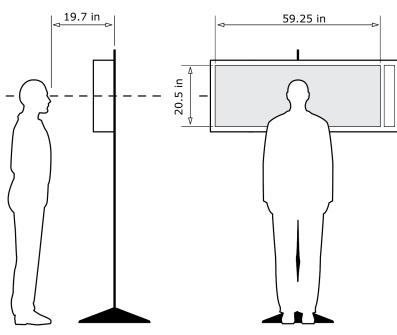
KOP 36, Asbury Convention Hall Balcony, Late-Noon, Heading 97° - **Proposed View - NY Bight Leases (1312ft) - Maximum Visibility**

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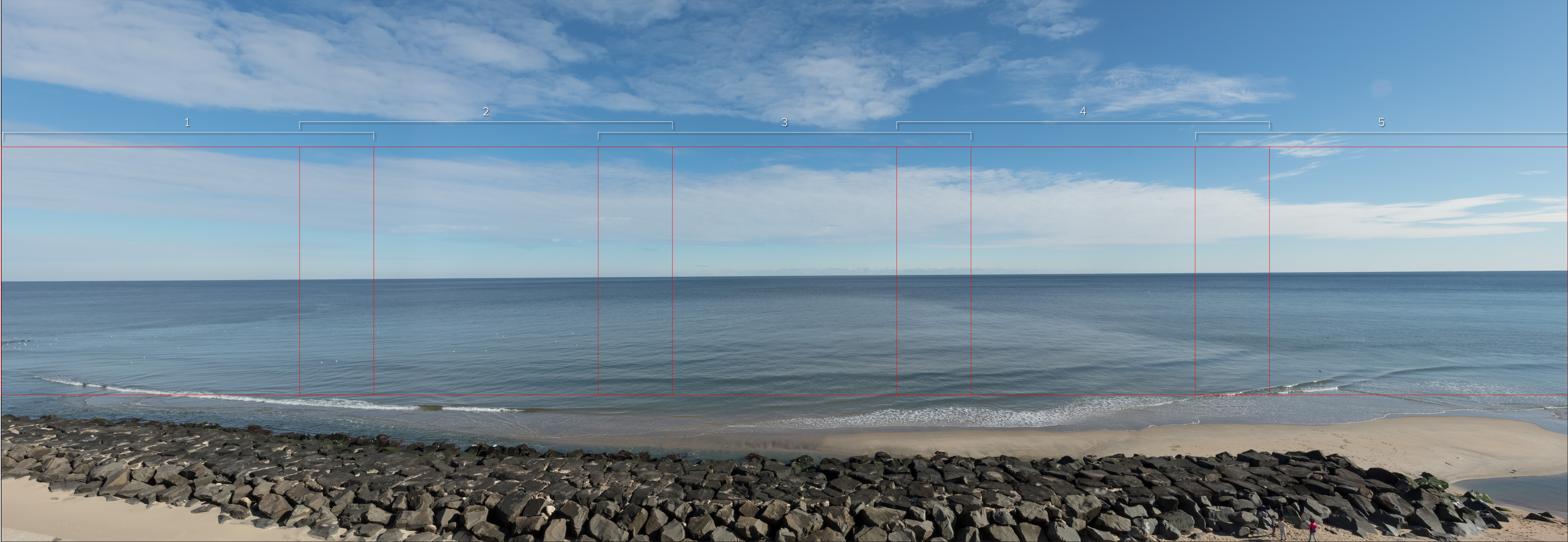


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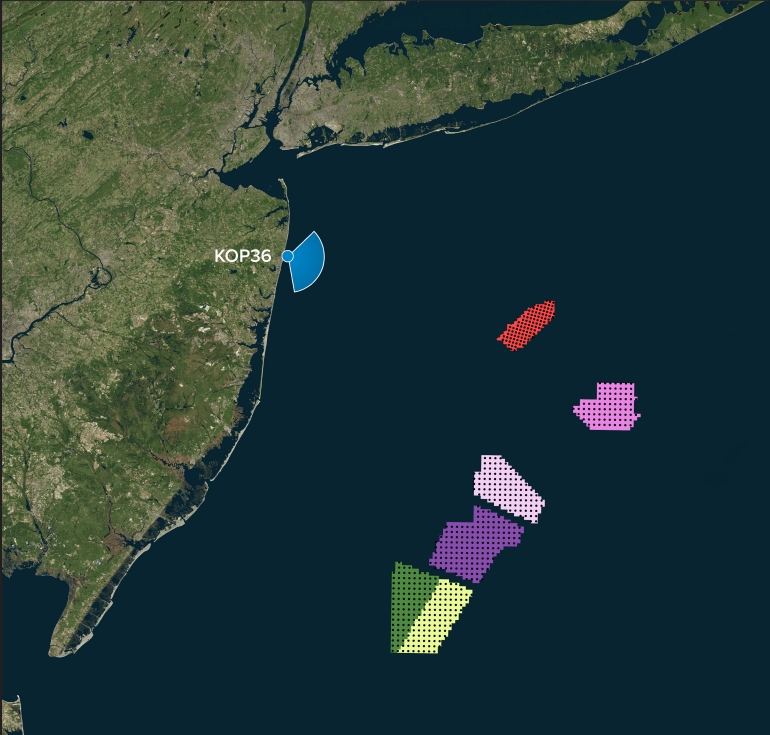
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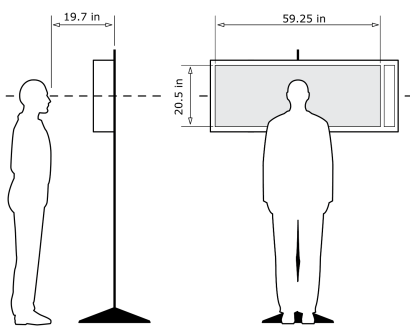
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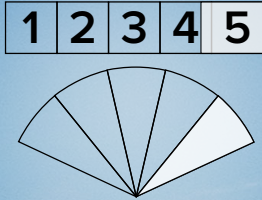
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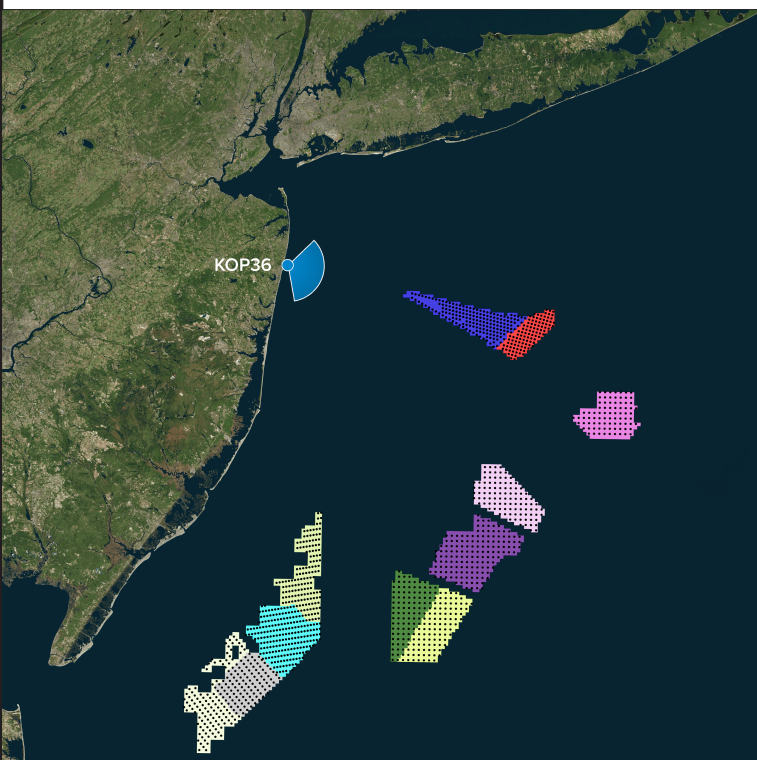


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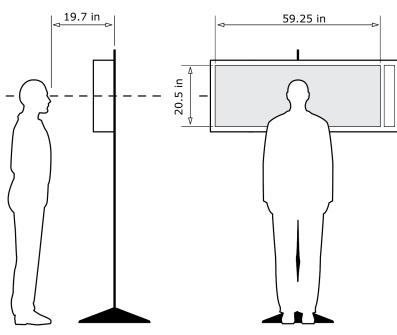
KOP 36, Asbury Convention Hall Balcony, Late-Noon, Heading 97° - **Proposed View - Cumulative - External Leases and NY Bight Leases (1312ft) - Predicted Visibility**

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Furthest Visible Turbine: 53.1mi (85.5km) (OCS-A 0538)
Horizontal Field of View the Projects Occupy: 117.8°

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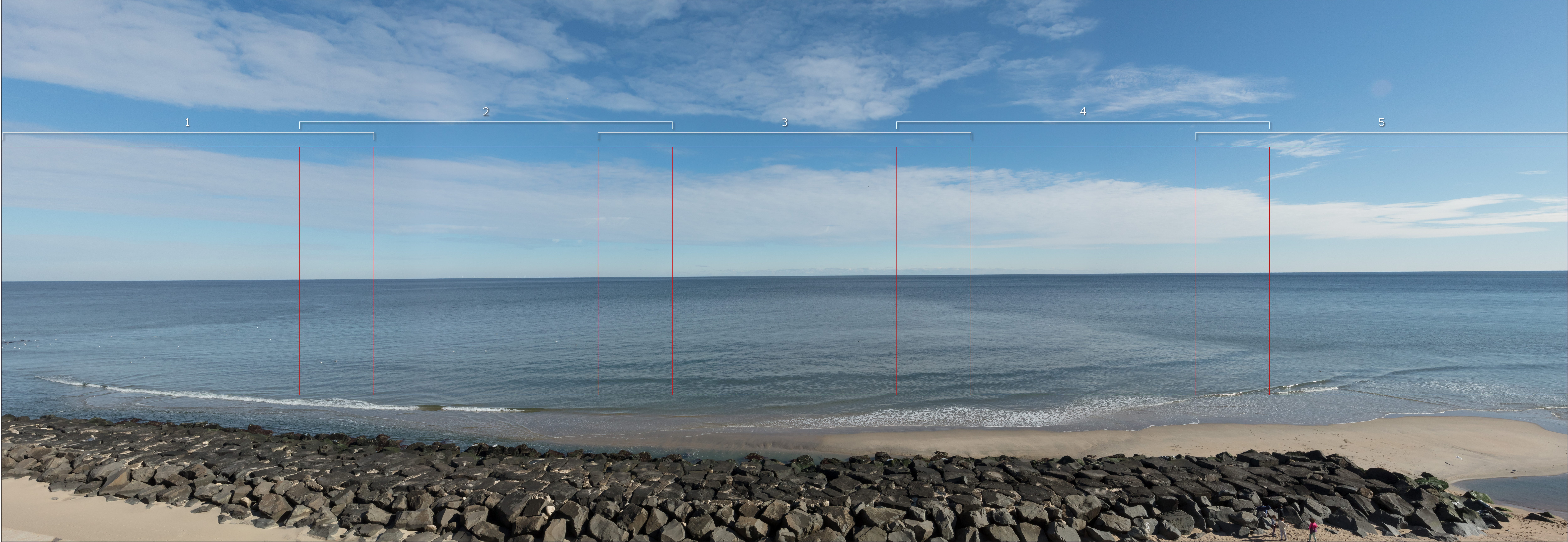


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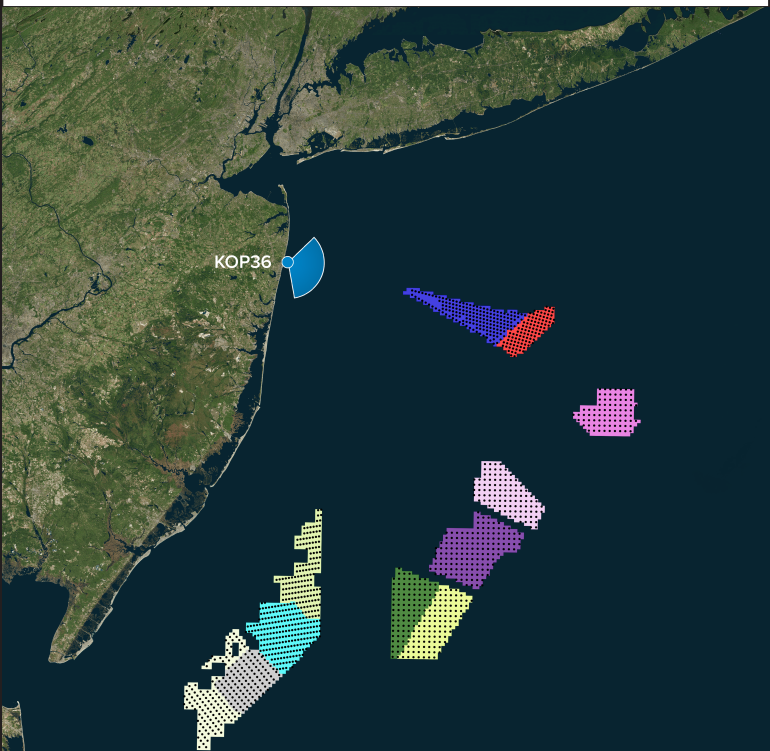
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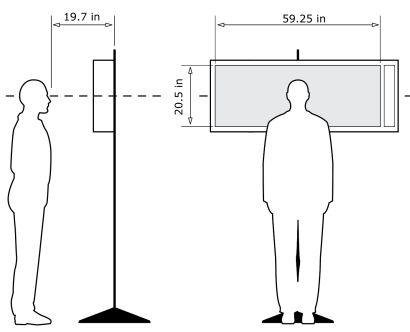
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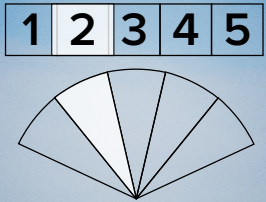
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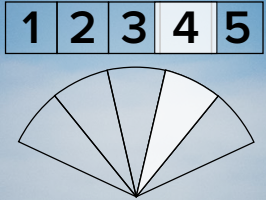
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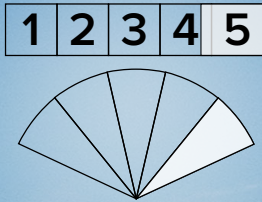
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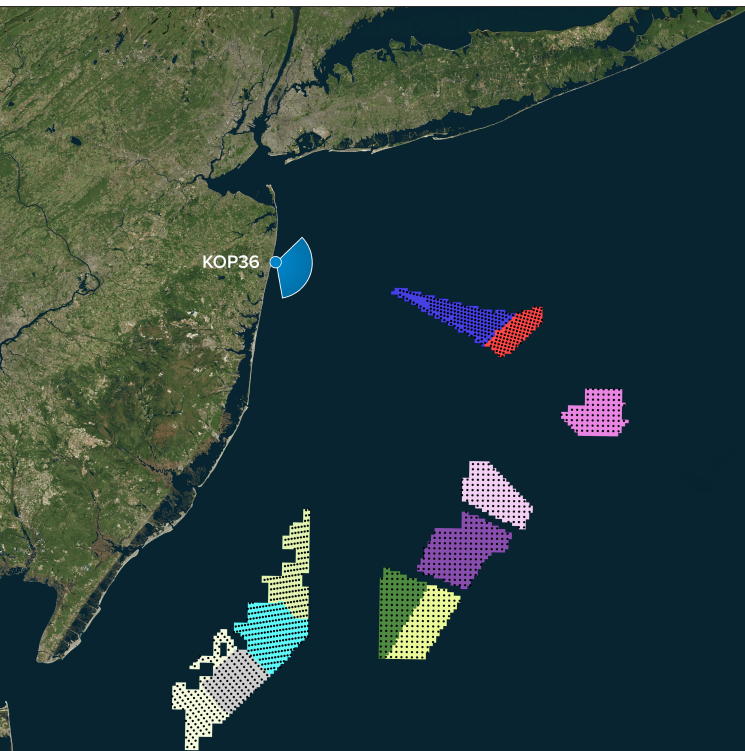


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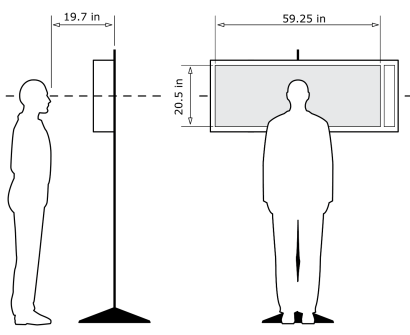
KOP 36, Asbury Convention Hall Balcony, Late-Noon, Heading 97° - **Proposed View - Cumulative - External Leases and NY Bight Leases (1312ft) - Maximum Visibility**

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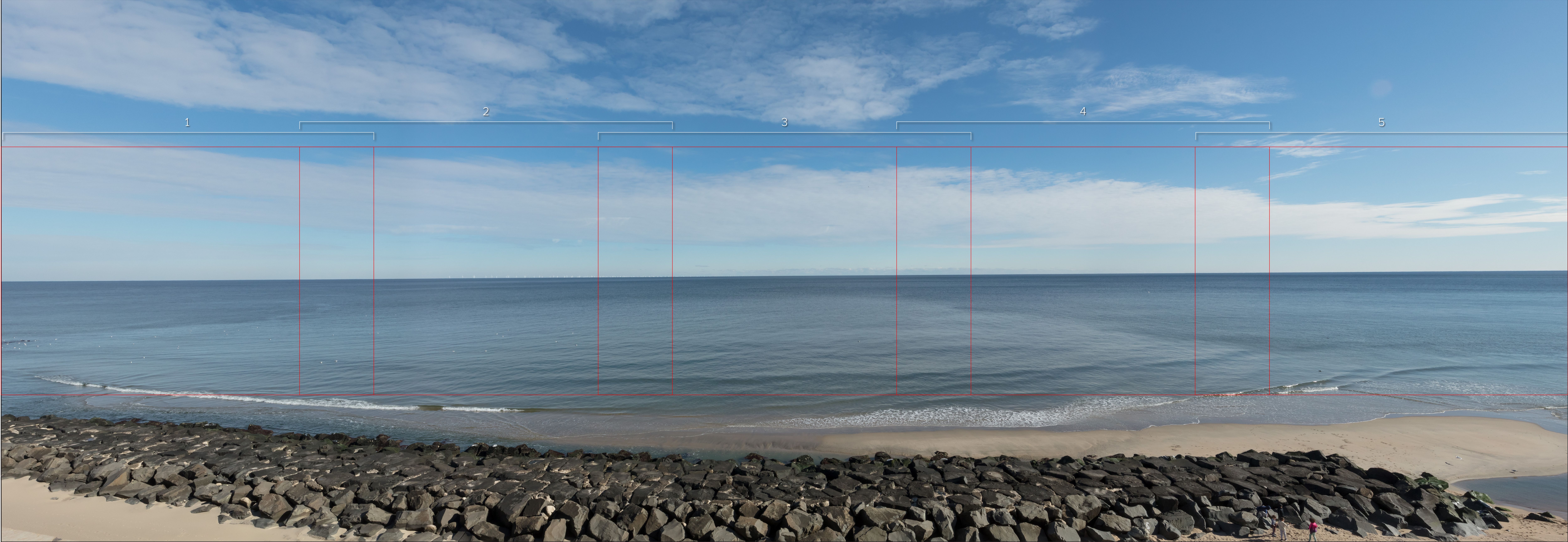
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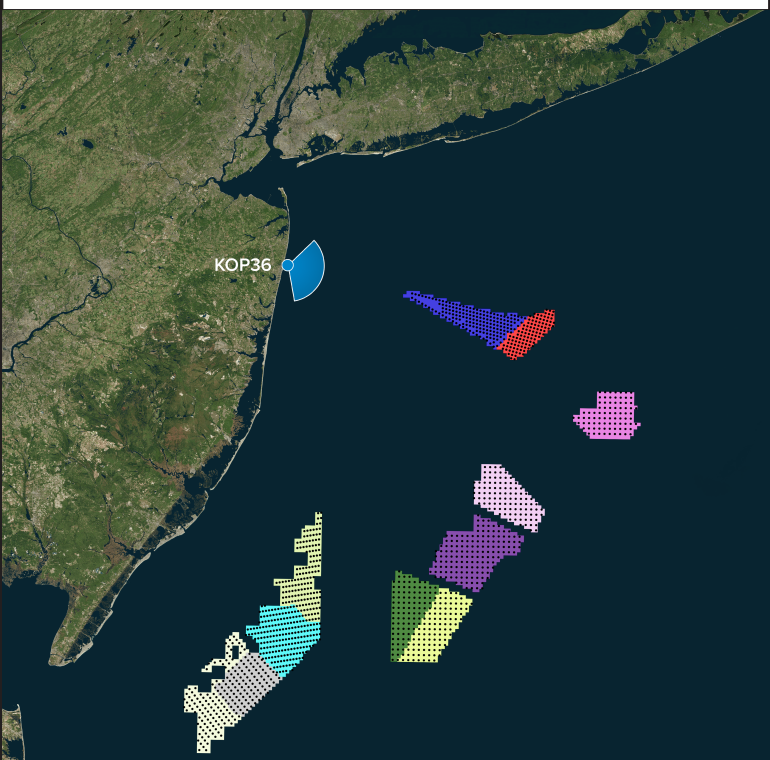
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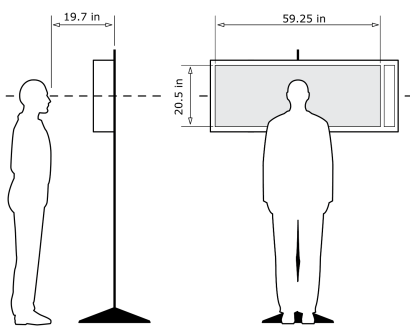
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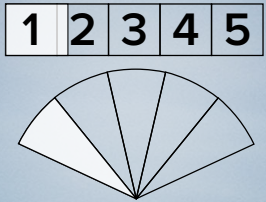


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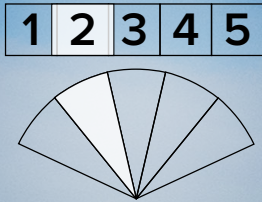
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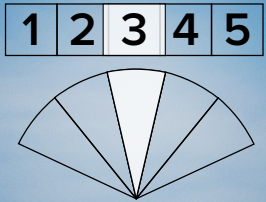
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1 2 3 4 5



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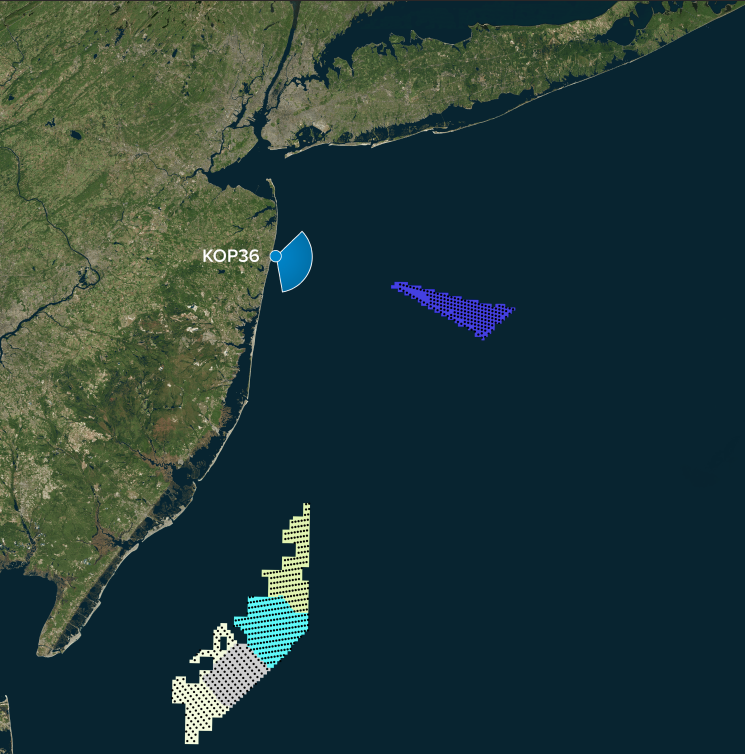


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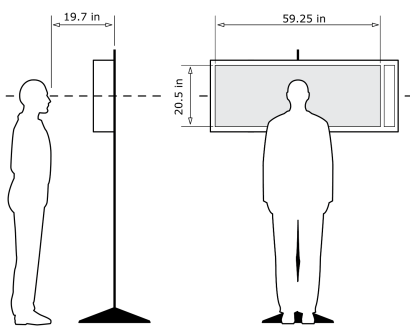
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Scale bar to be 4 inches wide
Viewing distance 19.7 inches



Latitude: 40.22327617
Longitude: -73.99769319
Elevation of Viewpoint Position: 46.146
Height of Camera Above Ground: 5.41
Date of Photography: 4/02/2023 at 13:32
Horizontal Field of View: 124°
Vertical Field of View: 55°

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS

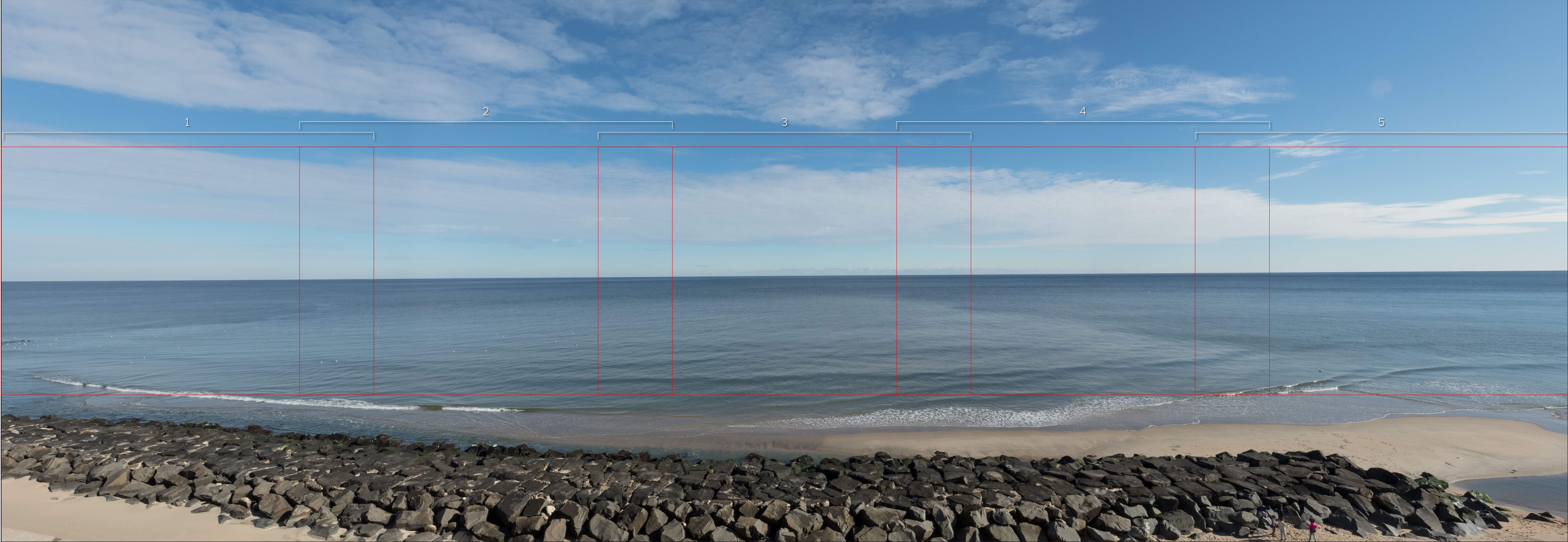


NOTES:

Viewpoint locations have been precision surveyed by
New York City Land Surveyors PC
63 Montgomery Avenue
Staten Island NY 10301

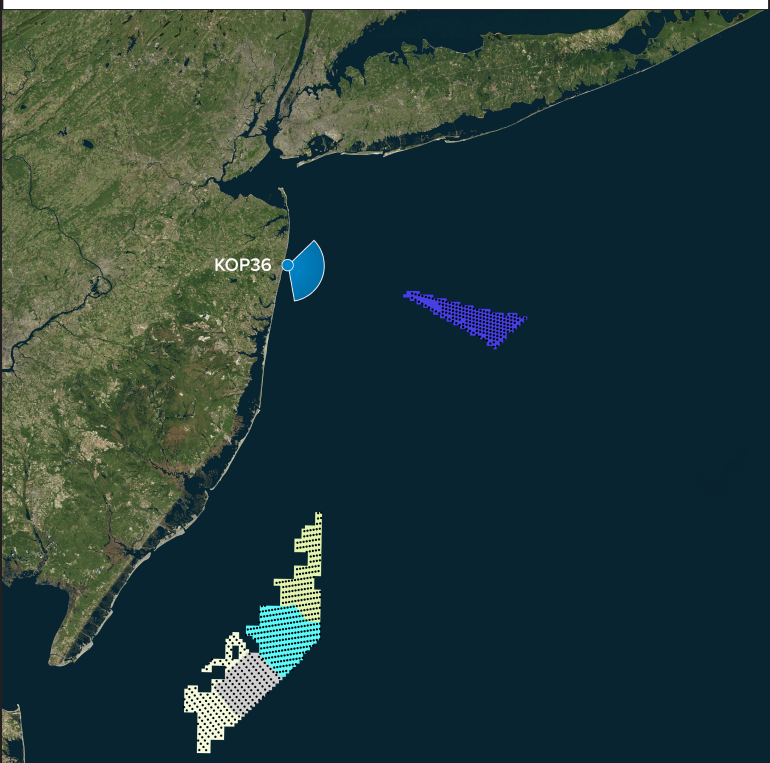
Heights are above mean sea level.
Structure design and placement are subject to final engineering.
No part of this photo simulation shall be altered in any way.

Photo Simulation Created Using
TrueView™ Technology
(Patent No.: US 6,184,906 B2)
Provided by



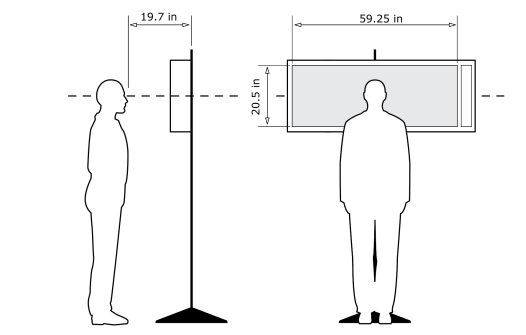
KOP 36, Asbury Convention Hall Balcony, Late-Noon, Heading 97° - **Proposed View - External Leases - Predicted Visibility**

For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



Latitude: 40.22327617
Longitude: -73.99769319
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Height of Camera Above Ground: 5.41
Date of Photography: 4/02/2023 at 13:32
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Provided by



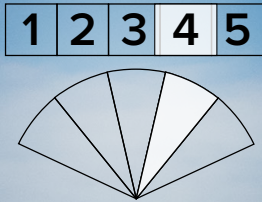
For on-screen display:
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Viewing distance 19.7 inches



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Scale bar to be 4 inches wide
Viewing distance 19.7 inches



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches

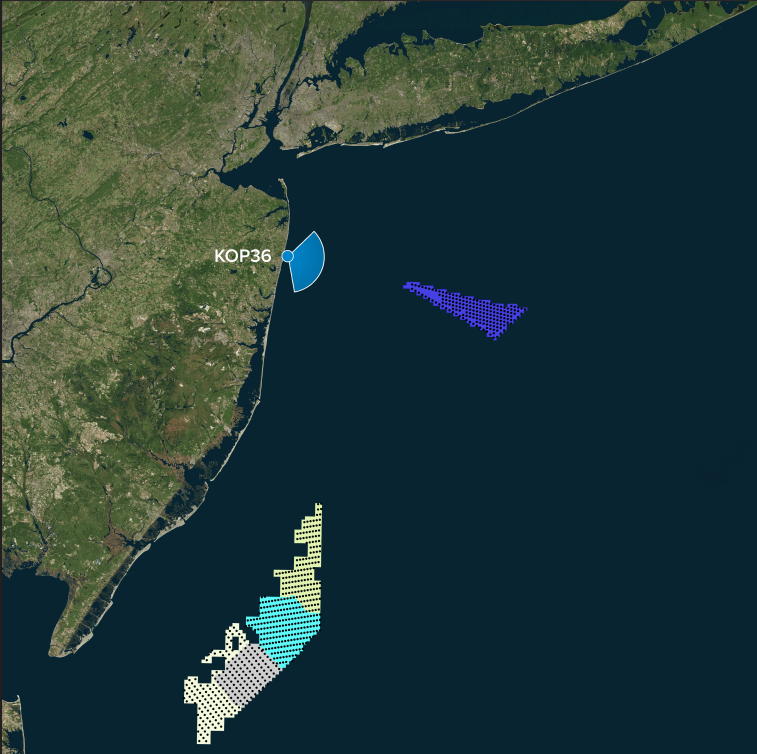


For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



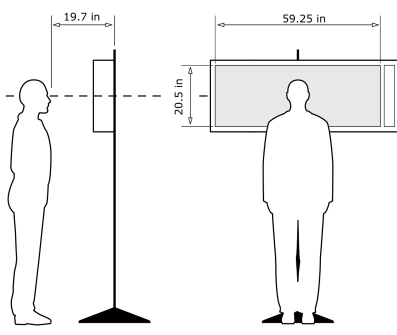
KOP 36, Asbury Convention Hall Balcony, Late-Noon, Heading 97° - **Proposed View - External Leases - Maximum Visibility**

For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



Latitude: 40.22327617
Longitude: -73.99769319
Elevation of Viewpoint Position: 46.146
Height of Camera Above Ground: 5.41
Date of Photography: 4/02/2023 at 13:32
Horizontal Field of View: 124°
Vertical Field of View: 55°

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS

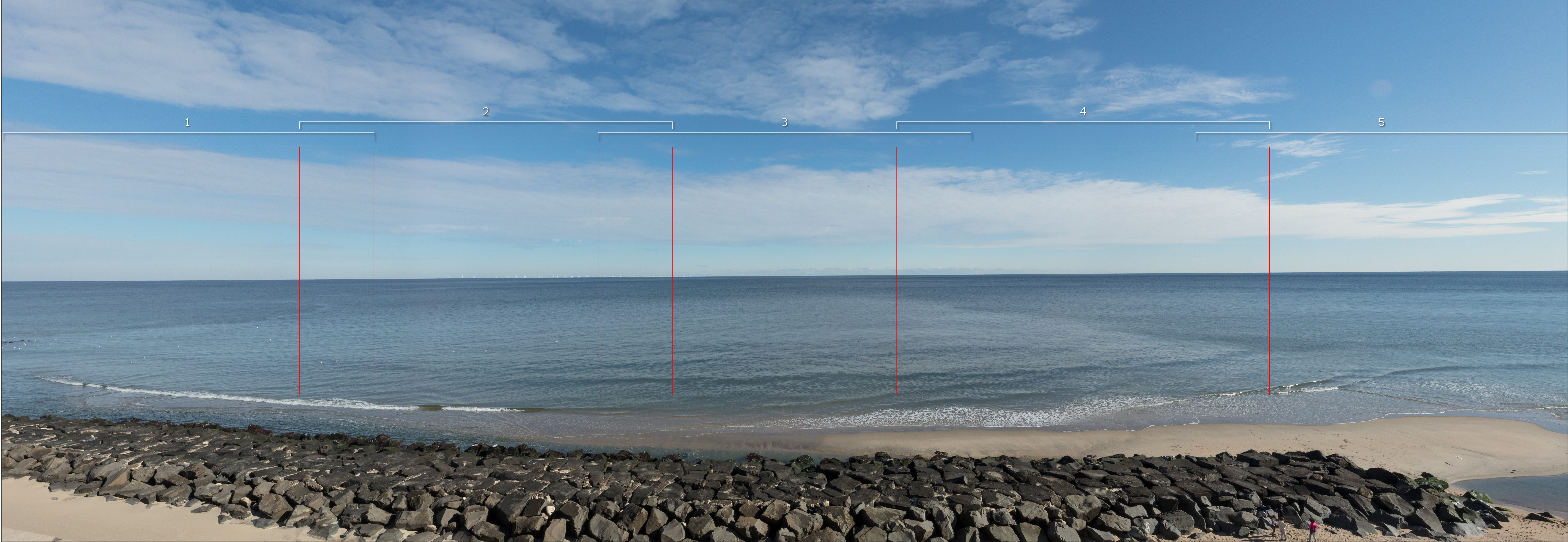


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63 Montgomery Avenue
Staten Island NY 10301

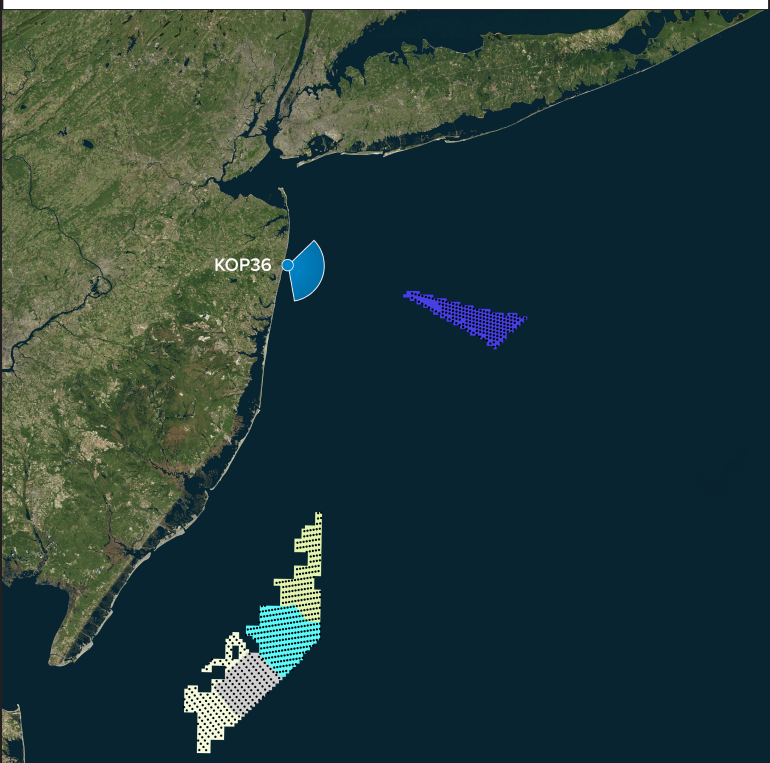
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Photo Simulation Created Using
TrueView™ Technology
(Patent No.: US 6,184,906 B2)
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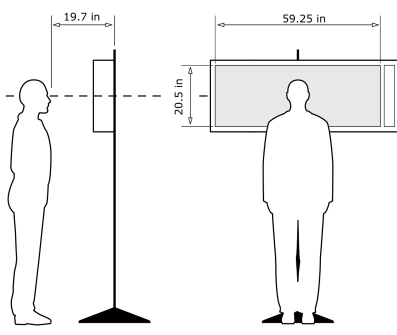
KOP 36, Asbury Convention Hall Balcony, Late-Noon, Heading 97° - **Proposed View - External Leases - Maximum Visibility**

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CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS



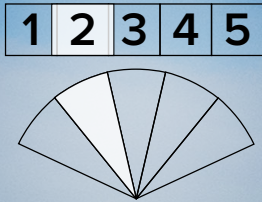
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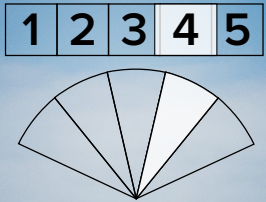
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Viewing distance 19.7 inches



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