



KOP 40: Robert Moses | Season: Spring | Time of Day: Night

Base Photographic Documentation

Date (MM/DD/YYYY):	5/08/2023
Time (24hr):	11:05
GPS Longitude:	-73.23267655
GPS Latitude:	40.62760238
Viewpoint Elevation (ft):	8.155
Camera Height (ft):	5.41
Camera Heading (°):	179
Camera Direction:	S

Camera Information

Camera Make & Model:	Canon EOS 5DS R
Camera Sensor Size:	36mm x 24mm
Lens Make & Model:	Sigma F1.4 DG HSM A027
Lens Focal Length:	20mm
Field of View:	65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Partly Cloudy
Maximum Visibility (NM):	8.82
Temperature (°F):	57.9
Temperature (°C):	14.38
Humidity (%):	89

Viewing Instructions

11 x 17 inch Printed Display: On-Screen Display:

Distance is 19.7 inches (500mm) Distance is 19.7 inches (500mm)



Context Map



Image Preview

• Key Observation Point (KOP)

• Turbines







NY Bight Turbine Information - 1312ft (399.9m)

Lease Area	Distance to	Turbines Visible		
	Nearest Turbine in Miles (km)	Blade Tip	Hub	Mid Tower
Total	-	141	110	45
OCS-A 0544	24.21 (38.97)	110	110	45
OCS-A 0537	46.28 (74.49)	31	0	0
OCS-A 0538	55.28 (88.97)	0	0	0
OCS-A 0539	66.76 (107.43)	0	0	0
OCS-A 0541	82.11 (132.14)	0	0	0
OCS-A 0542	83.98 (135.16)	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)	258.6 (78.8)
Percent of Nearest Turbine Hidden (%)	19.7%
Amount of Nearest Turbine Visible in ft (m)	1053.5 (321.1)
Percent of Nearest Turbine Visible (%)	80.3%

NY Bight Turbine Specifications

Measurements ft (m)
1212 (369.4)
1312 (399.9)
706 (215.2)
25 (7.6)
100 (30.5) × 200 (61.0) Steel Platform
above MWS
1481

NY Bight Turbine Information - 853ft (260m)

Lease Area	Distance to	Tur	bines Vis	ible
	Nearest Turbine in Miles (km)	Blade Tip	Hub	Mid Tower
Total	-	110	50	0
OCS-A 0544	24.21 (38.97)	110	50	0
OCS-A 0537	46.28 (74.49)	0	0	0
OCS-A 0538	55.28 (88.97)	0	0	0
OCS-A 0539	66.76 (107.43)	0	0	0
OCS-A 0541	82.11 (132.14)	0	0	0
OCS-A 0542	83.98 (135.16)	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

VISINC.				
Turbine Visibility	Turbine Visibility & Percentage			
Amount of Nearest Turbine Hidden in ft (m)	258.6 (78.8)			
Percent of Nearest Turbine Hidden (%)	30.3%			
Amount of Nearest Turbine Visible in ft (m)	594.4 (181.2)			
Percent of Nearest Turbine Visible (%)	69.7%			

NY Bight Turbine Specifications

U	•
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) × 200 (61.0) Steel Platform
	above MWS
Total Number of Turbines	1481

External Turbine Information

Lease Area	Distance to	Tur	bines Vis	ible
	Nearest Turbine in Miles (km)	Blade Tip	Hub	Mid Tower
Total	-	174	174	N/A
OCS-A 0499	N/A	0	0	N/A
OCS-A 0549	N/A	0	0	N/A
OCS-A 0512	21.3 (34.2)	174	174	N/A
OCS-A 0498	N/A	0	0	N/A
OCS-A 0532	N/A	0	0	N/A

1	1312 ft (399.9m)			853 ft (260m)
Blade Tip	Hub	Mid Tower	er Blade Tip Hub Mid T		
315	284	45	284	224	0

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

Lease	Rotor	Total Height	Hub Height	Support
Area	Diameter in ft	to Tip of	in ft (m)	Structure
71100	(m)	Blade in ft (m)		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)
OCS-A 0532	788 (240.1)	906 (276)	512 (156)	25 (7.6)

Truescape

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

External Turbine Specifications



8.155

5.41

124°



KOP 40, Robert Moses, Night, Heading 179° - Proposed View - NY Bight Leases (853ft) - Maximum Visibility



55°



KOP 40, Robert Moses, Night, Heading 179° - Proposed View - NY Bight Leases (853ft) - Maximum Visibility

2		2
		3



Longitude: Elevation of Viewpoint Position: Height of Camera Above Ground Date of Photography: Horizontal Field of View: Vertical Field of View: Nearest Turbine: 24.2m Furthest Visible Turbine: 32.3m	Aoses eding 179° Turbines Turbines 40.62760238 -73.23267659 8.159 : 5,44 5/08/2023 et 11:09 124 55 ii (39.0km) (OCS-A 0544 ii (52.0km) (OCS-A 0544
Camera Hea Image: Composition of Viewpoint Position Latitude: Longitude: Elevation of Viewpoint Position Date of Photography: Horizontal Field of View: Vertical Field of View: Nearest Turbine: Parest Turbine:<	e Turbines • Turbines • Turbines • 40.62760238 -73.23267658 8.158 : 5,08/2023 at 11:08 124 55 ii (39.0km) (OCS-A 0544 ii (52.0km) (OCS-A 0544
Viewpoint Location Latitude: Longitude: Elevation of Viewpoint Position: Height of Camera Above Ground Date of Photography: Horizontal Field of View: Vertical Field of View: Nearest Turbine: 24.2m Furthest Visible Turbine: 32.3m	• Turbines • Turbines • • • • • • • • • • • • • • • • • • •
KOP4 Latitude: Latitude: Longitude: Elevation of Viewpoint Position: Height of Camera Above Ground Date of Photography: Horizontal Field of View: Vertical Field of View: Nearest Turbine: 24.2m Furthest Visible Turbine: 32.3m	40.62760238 -73.23267655 8.155 : 5.44 5/08/2023 at 11:05 124 55 ii (39.0km) (OCS-A 0544 ii (52.0km) (OCS-A 0544
Latitude: Latitude: Latitude: Elevation of Viewpoint Position: Height of Camera Above Ground Date of Photography: Horizontal Field of View: Vertical Field of View: Nearest Turbine: Elevation: Mearest Turbine: State of Photography: Horizontal Field of View: Nearest Turbine: State of Photography: Horizontal Field of View: State of Photography: Horizontal Field of View: Horizontal F	40.62760238 -73.23267659 8.159 : 5.44 5/08/2023 at 11:09 124 55 ii (39.0km) (OCS-A 0544 ii (52.0km) (OCS-A 0544
Latitude: Latitude: Elevation of Viewpoint Position: Height of Camera Above Ground Date of Photography: Horizontal Field of View: Vertical Field of View: Nearest Turbine: 24.2m Furthest Visible Turbine: 32.3m Horizontal Field of View the Proje	5/08/2023 at 11:05 124 55 ii (39.0km) (OCS-A 0544) ii (52.0km) (OCS-A 0544)
Longitude: Elevation of Viewpoint Position: Height of Camera Above Ground Date of Photography: Horizontal Field of View: Vertical Field of View: Nearest Turbine: 24.2m Furthest Visible Turbine: 32.3m	-73.23267655 8.155 5.44 5/08/2023 at 11:05 124 55 ii (39.0km) (OCS-A 0544 ii (52.0km) (OCS-A 0544
Longitude: Elevation of Viewpoint Position: Height of Camera Above Ground Date of Photography: Horizontal Field of View: Vertical Field of View: Nearest Turbine: 24.2m Furthest Visible Turbine: 32.3m	-73.23267655 8.155 5.44 5/08/2023 at 11:05 124 55 ii (39.0km) (OCS-A 0544 ii (52.0km) (OCS-A 0544
Elevation of Viewpoint Position: Height of Camera Above Ground Date of Photography: Horizontal Field of View: Vertical Field of View: Nearest Turbine: 24.2m Furthest Visible Turbine: 32.3m	8.155 5.44 5/08/2023 at 11:05 124 55 ii (39.0km) (OCS-A 0544 ii (52.0km) (OCS-A 0544
Date of Photography: Horizontal Field of View: Vertical Field of View: Nearest Turbine: 24.2m Furthest Visible Turbine: 32.3m	5/08/2023 at 11:05 124 55 ii (39.0km) (OCS-A 0544 ii (52.0km) (OCS-A 0544
Vertical Field of View: Nearest Turbine: 24.2m Furthest Visible Turbine: 32.3m	55 ii (39.0km) (OCS-A 0544 ii (52.0km) (OCS-A 0544
Nearest Turbine: 24.2m Furthest Visible Turbine: 32.3m	ii (39.0km) (OCS-A 0544 ii (52.0km) (OCS-A 0544
CORRECT VIEWING OF TRUEVIEV	V [™] PHOTO SIMULATIONS
	59.25 in
NOTES:	
Viewpoint locations have been precis	ion 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 s No part of this photo simulation shall b	
Photo Simulation C TrueView™ Te (Patent No.: US 8 Provided	chnology 184,906 B2)
Trues	ру









Truescape®

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 40, Robert Moses, Night, Heading 179° - Proposed View - Cumulative - External Leases and NY Bight Leases (853ft) - Maximum Visibility



truescape.com

40.62760238

-73.23267655

5/08/2023 at 11:05

8.155

5.41

124°

77.1°



KOP 40, Robert Moses, Night, Heading 179° - Proposed View - Cumulative - External Leases and NY Bight Leases (853ft) - Maximum Visibility

2		
		3



Argonne
New York Bight
Robert Moses Camera Heading 179°
 Viewpoint Location Turbines
KOP40 Op40 Op40 <
Latitude:-73.23267655Longitude:-73.23267655Elevation of Viewpoint Position:8.155Height of Camera Above Ground:5.41Date of Photography:5/08/2023 at 11:05Horizontal Field of View:124°Vertical Field of View:55°Nearest Turbine:21.3mi (34.2km) (OCS-A 0512)Furthest Visible Turbine:32.3mi (52.0km) (OCS-A 0544)Horizontal Field of View the Projects Occupy:77.1°
CORRECT VIEWING OF TRUEVIEW TM PHOTO SIMULATIONS $= \int_{-}^{+} \int_$
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 8,184,906 B2) Provided by
Truescape.com

PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (853 FT) - MAXIMUM VISIBILITY - 50MM CROP - (SPRING / NIGHT)





Truescape[®]

PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (853 FT) - MAXIMUM VISIBILITY - 50MM CROP - (SPRING / NIGHT)





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

Truescape[®]

PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (853 FT) - MAXIMUM VISIBILITY - 50MM CROP - (SPRING / NIGHT)





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

PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (853 FT) - MAXIMUM VISIBILITY - 50MM CROP - (SPRING / NIGHT)





PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (853 FT) - MAXIMUM VISIBILITY - 50MM CROP - (SPRING / NIGHT)







KOP 40, Robert Moses, Night, Heading 179° - Proposed View - NY Bight Leases (1312ft) - Maximum Visibility





KOP 40, Robert Moses, Night, Heading 179° - Proposed View - NY Bight Leases (1312ft) - Maximum Visibility

2		2
		3



N	ew York Bight
	Robert Moses
Carr	nera Heading 179°
Viewpo	int Location • Turbines
	KOP40-
1 and the second	/
Latitude: Longitude: Elevation of Viewpoin Height of Camera Ab Date of Photography Horizontal Field of View	bove Ground: 5.4° r: 5/08/2023 at 11:05 iew: 124°
	OF TRUEVIEW [™] PHOTO SIMULATIONS
NOTES: Viewpoint locations hav New York City Land Su 63 Montgomery Avenu Staten Island NY 10301	le
	an sea level. lacement are subject to final engineering. mulation shall be altered in any way.
True	imulation Created Using eView™ Technology : No.: US 8,184,906 B2) Provided by
Tru	escape®
	truescape.com













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









KOP 40, Robert Moses, Night, Heading 179° - Proposed View - Cumulative - External Leases and NY Bight Leases (1312ft) - Maximum Visibility



8.155

5.41

124°



KOP 40, Robert Moses, Night, Heading 179° - Proposed View - Cumulative - External Leases and NY Bight Leases (1312ft) - Maximum Visibility

2		2
		3



Argonne New York Bight Robert Moses Camera Heading 179° Viewpoint Location
 Turbines 40.62760238 Latitude: -73.23267655 ongitude: Elevation of Viewpoint Position: 8.155 Height of Camera Above Ground: 5.41 Date of Photography: 5/08/2023 at 11:05 Horizontal Field of View: 124° Vertical Field of View: Nearest Turbine: 21.3mi (34.2km) (OCS-A 0512) Furthest Visible Turbine: 48.8mi (78.5km) (OCS-A 0537) Horizontal Field of View the Projects Occupy: **80.4**° CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS ⇒ 59.25 in 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 8,184,906 B2) Provided by Truescape® truescape.com

PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (1312 FT) - MAXIMUM VISIBILITY - 50MM CROP - (SPRING / NIGHT)





Truescape[®]

PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (1312 FT) - MAXIMUM VISIBILITY - 50MM CROP - (SPRING / NIGHT)





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

PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (1312 FT) - MAXIMUM VISIBILITY - 50MM CROP - (SPRING / NIGHT)





Truescape[®]

PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (1312 FT) - MAXIMUM VISIBILITY - 50MM CROP - (SPRING / NIGHT)





PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (1312 FT) - MAXIMUM VISIBILITY - 50MM CROP - (SPRING / NIGHT)







KOP 40, Robert Moses, Night, Heading 179° - Proposed View - External Leases - Maximum Visibility





KOP 40, Robert Moses, Night, Heading 179° - Proposed View - External Leases - Maximum Visibility

2		2
		3



Argonne
New York Bight
Robert Moses Camera Heading 179°
Viewpoint Location Intribute
Latitude:40.62760238Longitude:-73.23267655Elevation of Viewpoint Position:8.155Height of Camera Above Ground:5.41Date of Photography:5/08/2023 at 11:05Horizontal Field of View:124°Vertical Field of View:55°
CORRECT VIEWING OF TRUEVIEW TM PHOTO SIMULATIONS $= \int_{0}^{197 \text{ in}} \int_{0}^{197 in$
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 8,184,906 B2) Provided by









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

