

MARCY SOUTHERN ROUTE 2

APPENDIX B – VISUAL RESOURCE ASSESSMENT REPORT

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Marcy Southern Route 2

Additional Information - Visual Resources

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Appendix A Viewshed Mapping

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**Cover images represent existing and proposed Project conditions.*

A. INTRODUCTION

NextEra Energy Transmission New York, Inc. (NEETNY) has filed a Part A Application for a Certificate of Environmental Compatibility and Public Need pursuant to Article VII of the Public Service Law to construct a transmission line extending approximately 167 miles from the Marcy Substation (Town of Marcy, Oneida County) to the Pleasant Valley Substation (Town of Pleasant Valley, Dutchess County) (hereafter referred to as the “Marcy Southern Route 2” or the “Project”).

The following report provides additional information concerning potential impact of the Project on visual resources. Consistent with the State of New York Public Service Commission Order Establishing Modified Procedures for Comparative Evaluation, issued on and effective December 16, 2014 (referred to as the “December 2014 Order”), this summary report includes:

- > Quantitative Impact Analysis
 - Viewshed mapping within three (3) miles of the Project centerline (“Study Area”). The Study Area is extended to five (5) miles wide where the project centerline is within five (5) miles of a New York State Department of State Scenic Area of Statewide Significance (“designated SASS”).
 - Inventory of visual resources within the Study Area.
- > Analysis of potential impacts
 - Analysis of impacted visual resources.
 - Assess the degree of project visibility.
 - Assess the probable extent of visual contrast change from existing conditions.
 - Assessment of visual contrast based on photo simulations depicting facility appearance from representative receptor locations.
- > Description of mitigation measures appropriate to minimize adverse visual impacts.

1. Project Description

The Project proposes to construct a 167-mile long overhead transmission line within existing transmission Rights-of-Way (ROW). The Project would include three segments; Marcy to Rotterdam (73 miles), Princetown to Knickerbocker (32 miles), and Greenbush to Pleasant Valley (62 miles).

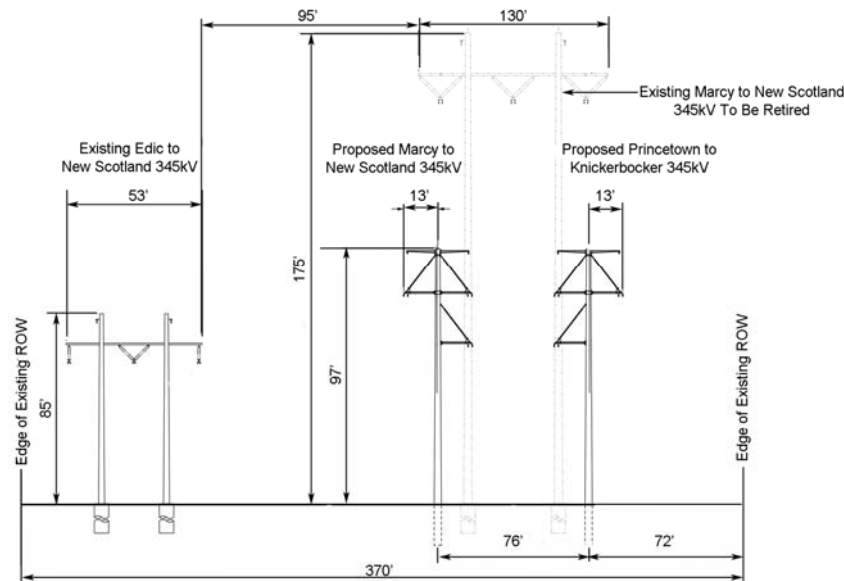
The Marcy Southern Route 2 originates at the existing Marcy Substation (Town of Marcy, Oneida County) and travels easterly approximately 66 miles to the proposed Princetown Substation (Town of Princetown, Schenectady County). The proposed Marcy to Princetown segment includes reconductoring existing 135-foot tall metal structures for approximately 12 of the first 14 miles. From mile 14 to the new Princetown Substation the existing 235kV Porter to Rotterdam (85-foot tall wooden H-frame structures) will be replaced with a 345kV line mounted on 97-foot tall gray colored concrete monopole structures with braced polymer post insulators.

From the new Princetown Substation the route will include the rebuild of two 230kV lines for a distance of approximately 5 miles to the existing Rotterdam Substation (Town of Rotterdam, Schenectady

County). In this section existing 80-foot tall H-frame structures will be replaced with 85-foot tall gray colored concrete monopole structures with braced polymer post insulators.

The entire length of this Marcy to Princetown segment is located within an existing transmission ROW adjacent to various existing transmission lines with differing tower types ranging in height from 75 to 135 feet.

From the new Princetown Substation the transmission line continues south approximately 32 miles to the new Knickerbocker Substation. From the New Scotland Substation the transmission line continues approximately 12 miles to the new Knickerbocker Switchyard. The proposed Princetown to Knickerbocker segment will replace the existing 345kV New Scotland to Alps transmission line (175-foot tall steel H-frame structures) with of two 345kV transmission lines mounted on 97-foot tall gray colored concrete monopole structures with braced polymer post insulators.



Typical ROW Cross-Section for Princetown to Knickerbocker
Image Credit: Sargent & Lundy, LLC

The Greenbush to Pleasant Valley segment originates at the existing Greenbush Substation (Town of East Greenbush, Rensselaer County) and travels southwest approximately 8 miles to the new Knickerbocker substation. Along this segment the Project will replace an existing 115kV transmission line (80-foot tall steel lattice frame towers) with 80-foot tall gray colored concrete monopole structures with braced polymer post insulators.

From the new Knickerbocker Switchyard, the proposed 115kV/345kV transmission line will continue south within an existing transmission ROW for approximately 22 miles to the new North Churchtown Switchyard (Town of Claverack, Columbia County). From the new North Churchtown Switchyard the proposed 345kV transmission line will continue for south within an existing transmission ROW approximately 31 miles to the existing Pleasant Valley Substation. Along this segment the Project will

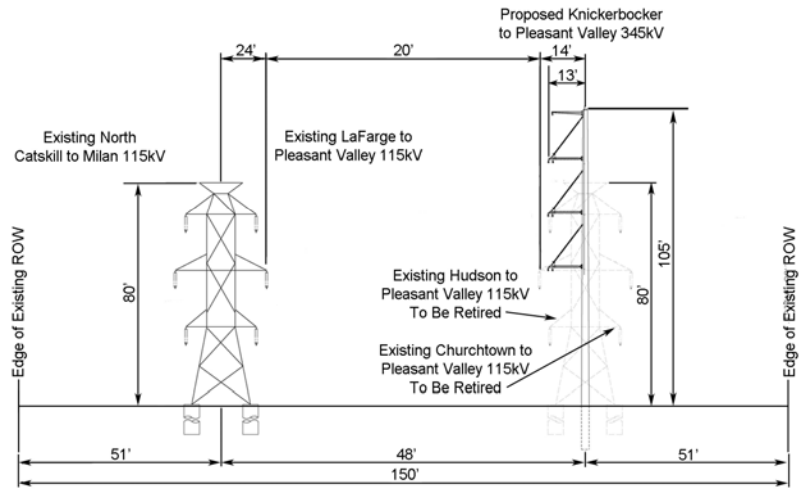
replace existing 80-foot tall steel lattice frame towers with 105-foot tall gray colored concrete monopole structures with braced polymer post insulators.

The entire length of the Greenbush to Pleasant Valley segment is within an existing transmission ROW containing adjacent to various existing transmission lines with differing tower types ranging in height from 80 to 90 feet.

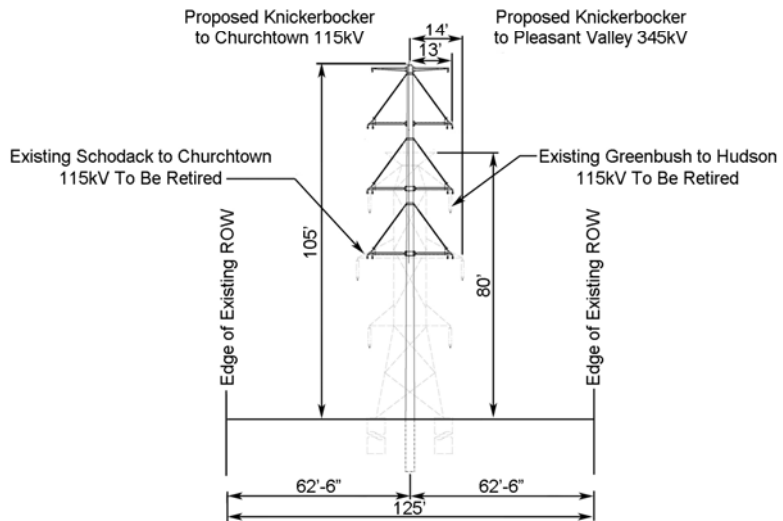
Since this segment of the proposed Project will replace existing structures, additional vegetative clearing is not necessary. The clearing will be maintained as a shrub habitat or other low-growing vegetation types.

At all ends of the route, the proposed transmission line will terminate at dead end structures adjacent to existing substations. Detailed design of interconnections will be determined during the New York Independent System Operator, Inc. (NYISO) review process.

Illustrations of typical ROW configurations for all Project segments are provided in the Marcy/Edic to Pleasant Valley Project, Article VII Part A Supplemental Application, Exhibit 5.



Typical ROW Cross-Section for Knickerbocker to Pleasant Valley
Image Credit: Sargent & Lundy, LLC



Typical ROW Cross-Section for Knickerbocker to Pleasant Valley
Image Credit: Sargent & Lundy, LLC

B. VISUAL RESOURCE ANALYSIS

1. Quantitative Impact (Degree of Project Visibility)

a) Viewshed Analysis

A series of preliminary vegetated viewshed maps were prepared identifying the geographic area within which the proposed transmission towers would be theoretically visible. The viewshed was calculated using the high point of each of the proposed transmission structures with an assumed height of 97 feet (new structures) and 135 feet (approximately 12 mile reconductored segment) for the Marcy to Rotterdam segment, and 105 feet for the Greenbush to Pleasant Valley segment. The viewshed area under study was specified to extend three (3) miles on either side of the proposed Project centerline and extend to five (5) miles wide where the Project is within five (5) miles of a designated SASS. Viewshed analysis includes the screening value of both intervening landform and vegetation.

ArcGIS 9.3 and ArcGIS Spatial Analyst software were used to generate viewshed areas based on publicly available digital topographic and land cover datasets. Topographic data was derived from a 30-meter resolution digital elevation model (DEM) acquired from the United States Geological Survey National Elevation Dataset (NED). Forest cover data was extracted from the 30-meter resolution National Land Cover Data Set 2001 (NLCD) Percent Tree Canopy dataset. The screening effect of vegetation was incorporated by adding 40 feet (12.2 meters) of height to DEM grid cells that are forested (>50 percent canopy closure).

It is important to note that the NLCD dataset is based on interpretation of forest areas that are clearly distinguishable using multi-spectral satellite imagery. As such, the potential screening value of site-specific vegetative cover such as small hedgerows, street trees and individual trees, and other areas of non-forest tree cover may not be represented in the viewshed analysis. Furthermore, the NLCD dataset does not include the screening value of existing structures. This is a particularly important distinction in the populated areas where existing structures are likely to provide significant screening of distant views. With these conditions, the viewshed map conservatively overestimates potential Project visibility in areas where the Project may be substantially screened from view.

To account for vegetative clearing within the existing transmission corridor, forest cover data was clipped to the edge of the cleared corridor based on air photo interpretation. A conservative offset of two (2) meters was applied to the calculation to account for the observer's eye level. The computer then scanned the forest adjusted DEM to identify grid cells with a direct line-of-sight to one or more of the proposed towers. Affected grid cells are coded based on the number of proposed structures visible. Cumulative visibility is summarized using the following groupings¹:

- > 1-3 structure visible;
- > 4-6 structures visible;
- > 7-9 structures visible;
- > 10-12 structures visible;
- > 13-15 structures visible;
- > 16-18 structures visible; and
- > 19 or more structures visible.

¹ Cumulative visibility is limited to a distance of five (5) miles from the subject tower. Beyond this distance it is assumed that natural conditions of atmospheric and linear perspective will significantly mitigate most visual impacts.

Viewshed maps are provided in Appendix A.

Table 1 summarizes the degree of theoretical project visibility as illustrated on the viewshed maps (Appendix A) within the Study Area.

Viewshed analysis indicates that one or more of the proposed project structures will be visible from approximately 30 percent of the Study Area.

Approximately 70 percent of the Study Area will likely have no visibility of any proposed structures due to intervening landform or vegetation.

Structure visibility is most common within the cleared transmission corridor and from agricultural areas where cleared lands provide long vistas in the direction proposed Project. It should be noted that due to the scale of the viewshed maps (contained in Appendix A) and graphic representation of the centerline, visibility in the cleared transmission ROW might be obscured.

Table 1 – Degree of Project Visibility Based on Viewshed Analysis – Marcy to Pleasant Valley

Number of Structures Visible	Affected Acreage	Percent of Study Area
None	517,618	70.0%
1 - 3	35,627	4.8%
4 - 6	27,308	3.7%
7 - 9	22,188	3.0%
10 - 12	17,913	2.4%
13 - 15	14,968	2.0%
16 - 18	12,671	1.7%
19 or more	91,707	12.4%
Total	740,000	100.0%

Viewshed analysis was not conducted for existing transmission structures. It is likely that the area affected by the proposed 97-foot tall Marcy to Knickerbocker towers and the 105-foot tall Greenbush to Pleasant Valley towers would be similar to the area currently impacted the existing transmission structures in the respective ROW's.

b) Aesthetic Resource Analysis

A preliminary inventory of visually sensitive places was completed based on guidelines established in the New York State Department of Environmental Conservation Program Policy on Visual Impact Assessment and Mitigation Visual Policy (DEP-00-2). Aesthetic resources of statewide significance are derived from the following categories:

- > National/State Register Site or District
- > State Parks and State Historic Sites
- > National/State Register Eligible Site
- > Heritage Areas (formerly Urban Cultural Parks)
- > State Forest Preserve
- > National Wildlife Refuges
- > State Game Refuges
- > State Wildlife Management Areas
- > National Natural Landmarks
- > National Park Resources (Recreation Areas, Seashores, and Forests)
- > National or State Wild, Scenic, or Recreational Rivers
- > Designated Scenic site, area, lake, reservoir or highway
- > Scenic Areas of Statewide Significance
- > State or federally designated trails
- > Adirondack Park Scenic Vistas
- > State Nature and Historic Preserve Areas
- > Palisades Park
- > Bond Act Properties purchased under Exceptional Beauty or Open Space

Most aesthetic resources of statewide significance were identified through existing public data sources. Resources considered eligible for listing on the National or State Register of Historic Places (Register Eligible)² were inventoried by cultural resource consultant TRC Companies, Inc. (TRC). The location of Register Eligible sites were determined by geo-coding the data by street address. Of 368 Register Eligible data points identified by TRC as being located within the Study Area, 153 were dropped from further analysis at this time because of missing or incomplete address information. Upon selection of a project by the Commission, NEETNY will consult with the New York State Office of Parks and Recreation (OPRHP) to verify the location of all Register Eligible sites within the Study Area.

Table 2 lists 476 aesthetic resources of statewide significance located within the Study Area. The location of identified aesthetic resources is referenced by numeric code on the viewshed maps provided in Appendix A.

Each inventoried visual resource was plotted on the viewshed maps to determine whether or not a visual impact might exist. Based on viewshed analysis alone, of the 476 inventoried resources the proposed Project may be screened from 229 by intervening landform or vegetation.

Table 2 further identifies visual resources that are potentially affected based on viewshed analysis. The viewshed analysis conservatively overestimates Project visibility within populated areas. To correct this, all visual resources located in urbanized areas more than one (1) mile from the nearest Project structure are classified in Tables 3 and 4 as “View Unlikely.” Applying this criterion, of the 476 inventoried resources the proposed Project may be visible from 143.

² Eligible resources were identified using the New York State Parks Cultural Resource Information System (CRIS).

Although viewshed analysis was not conducted for existing transmission structures it is likely that most, if not all, aesthetic resources shown by viewshed analysis to be affected by views of the proposed 97-foot tall Marcy to Rotterdam segment towers, 80-foot tall Greenbush to Knickerbocker and the 105-foot tall Knickerbocker to Pleasant Valley segment towers are currently affected by views of the existing 70-135

Approximately two miles of the Greenbush to Pleasant Valley ROW crosses the Columbia-Greene North Scenic Area of Statewide Significance (CGN-14, Stuyvesant Farms Subunit). Due to foreground vegetation, views of the existing Knickerbocker to Pleasant Valley transmission line and proposed Project from locations within the SASS will likely be limited to short segments of local roads in the immediate vicinity of the transmission corridor.

No other portion of the ROW falls within a designated SASS. However, approximately 27 miles of the Greenbush to Pleasant Valley corridor is within five-miles of a SASS.

Table 2 – Visual Resources Inventory

Map ID	Receptor Name	Municipality	County	Resource Category	Within Project Viewshed	Distance to Nearest Structure (miles) ³	Maximum Number of Structures Visible	Visibility Class
1	1421 NY Route 9H	Ghent	Columbia	Ntl./State Register Eligible	Yes	1.1	5	C
2	144 Link Road	Ghent	Columbia	Ntl./State Register Eligible	No	2.8	0	Not Visible
3	Jacob Rossman Knitting Mill	Ghent	Columbia	Ntl./State Register Eligible	Yes	0.1	3	C
4	360 County Route 25	Ghent	Columbia	Ntl./State Register Eligible	Yes	0.1	2	C
5	Stockport Flats	Stockport	Columbia	State Nature Preserve	Yes	1.4	34	C
6	139 Gilligan Road	Ghent	Columbia	Ntl./State Register Eligible	No	0.2	0	Not Visible
7	Widows Creek Oil Mill	Stockport	Columbia	Ntl./State Register Eligible	Yes	0.3	1	C
8	Eureka Paper Mill	Stockport	Columbia	Ntl./State Register Eligible	No	0.7	0	Not Visible
9	226 Old Post Road	Ghent	Columbia	Ntl./State Register Eligible	No	1.3	0	Not Visible
10	1060 County Route 22	Ghent	Columbia	Ntl./State Register Eligible	Yes	1.6	14	C
11	Ghent Reformed Church	Ghent	Columbia	Ntl./State Register Eligible	No	1.5	0	Not Visible
12	West Ghent Cemetery	Ghent	Columbia	Ntl./State Register Eligible	No	1.5	0	Not Visible
13	1129 County Route 22	Ghent	Columbia	Ntl./State Register Eligible	No	2.0	0	Not Visible
14	1185 County Route 22	Ghent	Columbia	Ntl./State Register Eligible	No	2.1	0	Not Visible
15	1264 County Route 22	Ghent	Columbia	Ntl./State Register Eligible	Yes	2.4	8	C
16	5 Link Road	Ghent	Columbia	Ntl./State Register Eligible	No	2.5	0	Not Visible
17	349 Old Post Road	Ghent	Columbia	Ntl./State Register Eligible	No	1.6	0	Not Visible
18	397 Old Post Road	Ghent	Columbia	Ntl./State Register Eligible	Yes	1.5	22	C
19	URS #208	Ghent	Columbia	Ntl./State Register Eligible	No	2.6	0	Not Visible
20	60 Leggett Road	Ghent	Columbia	Ntl./State Register Eligible	No	2.3	0	Not Visible
21	Basement barn; contributing to NRE farmhouse	Ghent	Columbia	Ntl./State Register Eligible	Yes	1.6	34	C
22	Dairy barn complex	Ghent	Columbia	Ntl./State Register Eligible	No	3.0	0	Not Visible
23	11 Letter S Road	Ghent	Columbia	Ntl./State Register Eligible	No	2.9	0	Not Visible
24	134 Leggett Road	Ghent	Columbia	Ntl./State Register Eligible	No	2.3	0	Not Visible
25	365 Old Post Road	Ghent	Columbia	Ntl./State Register Eligible	Yes	1.5	30	C
26	Related to basement barn	Ghent	Columbia	Ntl./State Register Eligible	Yes	1.5	38	C
27	489 Old Post Road	Ghent	Columbia	Ntl./State Register Eligible	Yes	1.5	38	C
28	533 Old Post Road	Ghent	Columbia	Ntl./State Register Eligible	Yes	1.6	52	C
29	97 Quinn Lane	Ghent	Columbia	Ntl./State Register Eligible	No	2.6	0	Not Visible
30	160 Letter S Road	Ghent	Columbia	Ntl./State Register Eligible	No	2.9	0	Not Visible
31	295 Leggett Road	Ghent	Columbia	Ntl./State Register Eligible	No	2.1	0	Not Visible
32	House and cemetery	Ghent	Columbia	Ntl./State Register Eligible	No	2.2	0	Not Visible
33	Related to wagon shed	Ghent	Columbia	Ntl./State Register Eligible	No	2.2	0	Not Visible
34	342 Leggett Road	Ghent	Columbia	Ntl./State Register Eligible	No	2.2	0	Not Visible
35	Crow Hill (Whiting, Charles, Residence)	Kinderhook	Columbia	Ntl./State Register	No	3.0	0	Not Visible
36	First Presbyterian Church	Kinderhook	Columbia	Ntl./State Register	No	3.6	0	Not Visible
37	Wild's Mill Complex	Kinderhook	Columbia	Ntl./State Register	No	3.4	0	Not Visible
38	Wild, Nathan, House	Kinderhook	Columbia	Ntl./State Register	No	3.5	0	Not Visible
39	Kinderhook Village District	Kinderhook	Columbia	Ntl./State Register	Yes	1.9	30	C
40	Wil-Roc Farm, ca. 1825; barn complex	Stockport	Columbia	Ntl./State Register Eligible	Yes	0.3	3	C
41	296 County Route 25	Stockport	Columbia	Ntl./State Register Eligible	No	0.7	0	Not Visible
42	Midvale Paper Board Co.	Stockport	Columbia	Ntl./State Register Eligible	No	0.8	0	Not Visible
43	3 Knitt Rd	Stockport	Columbia	Ntl./State Register Eligible	Yes	0.4	23	C
44	George Rossman House	Stockport	Columbia	Ntl./State Register Eligible	No	0.6	0	Not Visible
45	Stockport Flats Wildlife Mgt Area	Stockport	Columbia	State Wildlife Mgt Area	Yes	2.1	2	C

³ Mileage is rounded to nearest tenth.

Table 2 – Visual Resources Inventory

Map ID	Receptor Name	Municipality	County	Resource Category	Within Project Viewshed	Distance to Nearest Structure (miles) ³	Maximum Number of Structures Visible	Visibility Class
46	Hudson River Islands	Stockport	Columbia	State Park/Historic Site	No	1.6	0	Not Visible
47	520 NY Route 9J	Stuyvesant	Columbia	Ntl./State Register Eligible	No	1.7	0	Not Visible
48	526 NY Route 9J	Stuyvesant	Columbia	Ntl./State Register Eligible	No	1.7	0	Not Visible
49	Columbia - Greene North (CGN) SASS	Stuyvesant	Columbia	SASS	Yes	0.0	75	C
50	Farm	Stuyvesant	Columbia	Ntl./State Register Eligible	No	0.9	0	Not Visible
51	Van Alen, Johannis L., Farm	Stuyvesant	Columbia	Ntl./State Register	Yes	0.1	27	C
52	Mesick Farmhouse	Schodack	Columbia	Ntl./State Register Eligible	No	1.3	0	Not Visible
53	Building Y1 Queen Anne/Col. Revival House	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.6	40	A
54	Mull House and Cemetery (House)	Coeymans	Albany	Ntl./State Register	No	1.9	0	Not Visible
55	Mull House and Cemetery (Cemetery)	Coeymans	Albany	Ntl./State Register	Yes	1.9	20	A
56	Schodack Island	Schodack	Columbia	State Park/Historic Site	Yes	0.8	3	C
57	Muitzes Kill Historic District	Schodack	Columbia	Ntl./State Register	Yes	1.0	35	C
58	Schodack Landing Historic District	Schodack	Columbia	Ntl./State Register	Yes	0.6	4	C
59	1-Story Masonry Residence	Bethlehem	Albany	Ntl./State Register Eligible	No	2.2	0	Not Visible
60	Building C; Gothic Revival Brick Residence	Bethlehem	Albany	Ntl./State Register Eligible	No	2.2	0	Not Visible
61	Large brick mid 19th house and barn	East Greenbush	Rensselaer	Ntl./State Register Eligible	Yes	0.2	6	A
62	D Phillips House, early 19th Federal	East Greenbush	Rensselaer	Ntl./State Register Eligible	Yes	0.1	9	A
63	Lustron house, Westchester model	East Greenbush	Rensselaer	Ntl./State Register Eligible	Yes	0.1	11	A
64	Lustron house, Westchester model	East Greenbush	Rensselaer	Ntl./State Register Eligible	Yes	0.1	11	A
65	141 Aiken Avenue	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.2	0	Not Visible
66	Onderdonk Residence	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.5	0	Not Visible
67	24 Spruce Street	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.4	0	Not Visible
68	24 Ring Street	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.4	0	Not Visible
69	1 Grove Street	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.4	0	Not Visible
70	Lustron house (1950)	East Greenbush	Rensselaer	Ntl./State Register Eligible	No	2.3	0	Not Visible
71	98 Third Avenue	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.5	0	Not Visible
72	121 Third Avenue	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.5	0	Not Visible
73	(115 Third Avenue	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.6	0	Not Visible
74	101 Third Avenue	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.6	0	Not Visible
75	95 Third Avenue	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.6	0	Not Visible
76	93 Third Avenue	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.6	0	Not Visible
77	77 Third Avenue	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.6	0	Not Visible
78	30 Second Avenue	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.8	0	Not Visible
79	43 Second Avenue	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.7	0	Not Visible
80	404 East Street	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.8	0	Not Visible
81	20 Elm Street	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.7	0	Not Visible
82	380 Broadway	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.9	0	Not Visible
83	382 Broadway	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.9	0	Not Visible
84	416 Broadway	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.9	0	Not Visible
85	428 Broadway	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	3.0	0	Not Visible
86	432 Broadway	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	3.0	0	Not Visible
87	440 Broadway	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	3.0	0	Not Visible
88	460 Washington Street	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.9	0	Not Visible
89	550 East Street	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	2.9	0	Not Visible
90	472 Broadway	Rensselaer	Rensselaer	Ntl./State Register Eligible	No	3.0	0	Not Visible
91	USS Slater (Destroyer Escort)	Albany	Albany	Ntl./State Register	No	2.6	0	Not Visible
91	Fort Crailo State Historic Site	Rensselaer	Rensselaer	State Park/Historic Site	No	2.7	0	Not Visible

Table 2 – Visual Resources Inventory

Map ID	Receptor Name	Municipality	County	Resource Category	Within Project Viewshed	Distance to Nearest Structure (miles) ³	Maximum Number of Structures Visible	Visibility Class
93	Bailey House/Samaritan Shelters	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.9	50	A
94	Schoonmaker House	Bethlehem	Albany	Ntl./State Register	No	3.4	0	Not Visible
95	Bethlehem Grange No. 137	Bethlehem	Albany	Ntl./State Register	No	4.1	0	Not Visible
96	First Reformed Dutch Church of Bethlehem	Bethlehem	Albany	Ntl./State Register	No	3.9	0	Not Visible
97	Babcock, Dr. John, House	Bethlehem	Albany	Ntl./State Register	No	4.3	0	Not Visible
98	3 Second Street	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
99	76 Main Street	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
100	Coeymans Herald Building	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
101	Pape's Store (Brick Row)	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
102	Hotaling Hotel	Coeymans	Albany	Ntl./State Register Eligible	Yes	2.0	Urbanized Area	View Unlikely
103	Structure	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
104	3 Westerlo Street	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
105	5 Westerlo Street	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
106	10 Westerlo Street	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
107	9 Westerlo Street	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
108	Frangella House	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
109	80 Main Street	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
110	Randio Home	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
111	1518 First Street	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
112	W.B. Holmes House	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
113	H Slingerlands House	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
114	Albert Briggs/Fori House	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
115	Colvin House	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
116	Baptist Parsonage/Mrs. Ten Eyck House	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
117	Levi Blaisdell House	Coeymans	Albany	Ntl./State Register Eligible	Yes	2.0	Urbanized Area	View Unlikely
118	Wolf Building	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
119	Structure	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
120	N.H. Johnson/N.J. Briggs House	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
121	P. Seabridge House/Store	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
122	Miss Cronk's House	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
123	62 Westerlo Street	Coeymans	Albany	Ntl./State Register Eligible	Yes	2.2	Urbanized Area	View Unlikely
124	Structure	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
125	Structure	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
126	88 Main Street	Coeymans	Albany	Ntl./State Register Eligible	Yes	2.0	Urbanized Area	View Unlikely
127	Barber Shop	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
128	92 Main Street	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
129	94 Main Street	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
130	J.D. Bailey (USPO)	Coeymans	Albany	Ntl./State Register Eligible	Yes	2.0	Urbanized Area	View Unlikely
131	Structure	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
132	J.V. Whitbeck House	Coeymans	Albany	Ntl./State Register Eligible	Yes	2.0	Urbanized Area	View Unlikely
133	Motley Residence	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
134	Wiltsey Building	Coeymans	Albany	Ntl./State Register Eligible	Yes	2.0	Urbanized Area	View Unlikely
135	Brigadier General David McCarty Stone Cottage	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
136	G. Clow House	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
137	L. Zeigler House	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
138	Structure	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
139	Structure	Coeymans	Albany	Ntl./State Register Eligible	Yes	2.0	Urbanized Area	View Unlikely

Table 2 – Visual Resources Inventory

Map ID	Receptor Name	Municipality	County	Resource Category	Within Project Viewshed	Distance to Nearest Structure (miles) ³	Maximum Number of Structures Visible	Visibility Class
140	Structure	Coeymans	Albany	Ntl./State Register Eligible	Yes	1.9	Urbanized Area	View Unlikely
141	Van Der Zee Residence	Coeymans	Albany	Ntl./State Register Eligible	Yes	2.0	Urbanized Area	View Unlikely
142	Ten Ecyk Farmhouse	Coeymans	Albany	Ntl./State Register Eligible	Yes	2.0	Urbanized Area	View Unlikely
143	Ten Ecyk, Tobias C., House and Cemeteries	Coeymans	Albany	Ntl./State Register	No	3.3	0	Not Visible
144	St. Patrick's Roman Catholic Church Complex	Coeymans	Albany	Ntl./State Register	Yes	2.5	Urbanized Area	View Unlikely
146	Coeymans-Bronck Stone House	Coeymans	Albany	Ntl./State Register	Yes	1.9	5	C
147	Hudson River New Baltimore Waterway Access	New Baltimore	Greene	State Park/Historic Site	Yes	1.7	4	C
148	Bronck Island	New Baltimore	Greene	State Wildlife Mgt Area	No	1.9	0	Not Visible
149	Adams/Whitbeck Residence	Coxsackie	Greene	Ntl./State Register Eligible	Yes	2.4	12	C
150	Van Bergen House	New Baltimore	Greene	Ntl./State Register	Yes	4.4	22	C
151	Bronk-Silvester House	Coxsackie	Greene	Ntl./State Register	No	3.3	0	Not Visible
152	Coxsackie Boat Launch	Coxsackie	Greene	State Park/Historic Site	Yes	2.4	2	C
153	Nutten Hook Tidal Wetland	Stuyvesant	Columbia	State Nature Preserve	Yes	1.3	2	C
154	Structure 63	Coxsackie	Greene	Ntl./State Register Eligible	No	2.9	0	Not Visible
155	Bronck, Pieter, House	Coxsackie	Greene	Ntl./State Register	No	4.9	0	Not Visible
156	Bronck Farm 13-Sided Barn	Coxsackie	Greene	Ntl./State Register	Yes	4.9	2	C
159	Oak Hill	Livingston	Columbia	Ntl./State Register	No	4.9	0	Not Visible
160	Catskill - Olana (CO) SASS	Greenport	Columbia	SASS	No	3.5	0	Not Visible
161	Rogers Island WMA	Greenport	Columbia	State Wildlife Mgt Area	No	4.2	0	Not Visible
162	Athens Lower Village Historic District	Athens	Greene	Ntl./State Register	Yes	3.6	1	C
163	Zion Lutheran Church	Athens	Greene	Ntl./State Register	No	3.3	0	Not Visible
164	Hudson/Athens Lighthouse	Athens	Greene	Ntl./State Register	No	3.4	0	Not Visible
165	Van Loon, Albertus, House	Athens	Greene	Ntl./State Register	No	3.3	0	Not Visible
166	Stranahan-DelVecchio House	Athens	Greene	Ntl./State Register	No	3.3	0	Not Visible
167	Brick Row Historic District	Athens	Greene	Ntl./State Register	No	3.1	0	Not Visible
168	Athens Boat Launch	Athens	Greene	State Park/Historic Site	No	3.2	0	Not Visible
169	Athens State Boat Launch	Athens	Greene	State Park/Historic Site	No	3.2	0	Not Visible
170	Brandow Point Unique Area	Athens	Greene	State Nature Preserve	No	4.6	0	Not Visible
171	Wiswall, Oliver, House	Greenport	Columbia	Ntl./State Register	No	3.3	0	Not Visible
172	Hudson Boat Launch Site	Hudson	Columbia	State Park/Historic Site	No	2.9	0	Not Visible
173	Hudson State Boat Launch	Hudson	Columbia	State Park/Historic Site	No	2.9	0	Not Visible
174	Middle Ground Flats Unique Area	Athens	Greene	State Nature Preserve	Yes	2.6	1	C
175	Conservation Easement	Greenport	Columbia	Conservation Easement	No	3.7	0	Not Visible
176	Stockport Flats Tidal Wetland	Livingston	Columbia	State Nature Preserve	No	4.5	0	Not Visible
177	Olana State Historic Site	Greenport	Columbia	State Park/Historic Site	Yes	3.5	12	C
178	Teviotdale	Livingston	Columbia	Ntl./State Register	Yes	4.3	1	C
179	Richmond Hill	Livingston	Columbia	Ntl./State Register	Yes	2.1	53	C
180	Saint Paul's (Zion) Evangelical Lutheran Church	Red Hook	Dutchess	Ntl./State Register	Yes	4.1	Urbanized Area	View Unlikely
181	Elmendorph Inn	Red Hook	Dutchess	Ntl./State Register	No	3.9	0	Not Visible
182	Heermance Farmhouse	Red Hook	Dutchess	Ntl./State Register	Yes	3.6	10	C
183	Halfway Diner	Red Hook	Dutchess	Ntl./State Register	No	3.9	0	Not Visible
184	Maizefield	Red Hook	Dutchess	Ntl./State Register	Yes	4.3	Urbanized Area	View Unlikely
185	Grove, The	Rhinebeck	Dutchess	Ntl./State Register	No	3.9	0	Not Visible
186	Sipperly Lown Farmhouse	Rhinebeck	Dutchess	Ntl./State Register	No	4.3	0	Not Visible
187	Evangelical Lutheran Church of St. Peter	Rhinebeck	Dutchess	Ntl./State Register	No	4.4	0	Not Visible
188	Traver House	Rhinebeck	Dutchess	Ntl./State Register	No	4.9	0	Not Visible
189	Pilgrim's Progress Road Bridge	Rhinebeck	Dutchess	Ntl./State Register	No	4.0	0	Not Visible

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Map ID	Receptor Name	Municipality	County	Resource Category	Within Project Viewshed	Distance to Nearest Structure (miles) ³	Maximum Number of Structures Visible	Visibility Class
190	Van Vredenburg Farm	Rhinebeck	Dutchess	Ntl./State Register	No	4.0	0	Not Visible
191	Salisbury Turnpike Bridge	Rhinebeck	Dutchess	Ntl./State Register	No	4.0	0	Not Visible
192	Neher-Elseffer House	Rhinebeck	Dutchess	Ntl./State Register	No	4.6	0	Not Visible
193	St. Margaret's Home	Red Hook	Dutchess	Ntl./State Register	No	4.3	0	Not Visible
194	Sands, Robert, Estate	Rhinebeck	Dutchess	Ntl./State Register	No	3.7	0	Not Visible
195	Williams Farm	Rhinebeck	Dutchess	Ntl./State Register	Yes	1.5	1	C
196	Progue House	Rhinebeck	Dutchess	Ntl./State Register	No	4.2	0	Not Visible
197	Marquardt Farm	Rhinebeck	Dutchess	Ntl./State Register	No	3.7	0	Not Visible
198	Traver, J. E., Farm	Rhinebeck	Dutchess	Ntl./State Register	No	4.1	0	Not Visible
199	Strawberry Hill	Rhinebeck	Dutchess	Ntl./State Register	No	4.3	0	Not Visible
200	Traver, John H., Farm	Rhinebeck	Dutchess	Ntl./State Register	No	3.6	0	Not Visible
201	Pultz Farmhouse	Rhinebeck	Dutchess	Ntl./State Register	No	3.6	0	Not Visible
202	Slate Quarry Road Dutch Barn	Rhinebeck	Dutchess	Ntl./State Register	No	3.1	0	Not Visible
203	St. Paul's Lutheran Church, Parsonage and Cem	Rhinebeck	Dutchess	Ntl./State Register	No	3.6	0	Not Visible
204	Pier, Jan, House	Rhinebeck	Dutchess	Ntl./State Register	No	4.9	0	Not Visible
205	Rock Ledge	Rhinebeck	Dutchess	Ntl./State Register	No	4.7	0	Not Visible
206	Dwelling, ca. 1775	Clinton	Dutchess	Ntl./State Register Eligible	No	0.2	0	Not Visible
207	Crum Elbow Creek Fishing Access	Clinton	Dutchess	State Park/Historic Site	No	3.6	0	Not Visible
208	Crum Elbow Creek Waterway Access	Hyde Park	Dutchess	State Park/Historic Site	No	3.6	0	Not Visible
209	Quaker Lane Farms	Pleasant Valley	Dutchess	Ntl./State Register	Yes	1.1	5	C
210	Abraham Kip House	Hyde Park	Dutchess	Ntl./State Register Eligible	No	2.0	0	Not Visible
211	Bergh-Stoutenburgh House	Hyde Park	Dutchess	Ntl./State Register	No	4.9	0	Not Visible
212	Stoutenburgh, William, House	Hyde Park	Dutchess	Ntl./State Register	No	4.1	0	Not Visible
213	Estates District (ED)	Hyde Park	Dutchess	SASS	No	4.7	0	Not Visible
214	Home of Franklin D. Roosevelt National Historic Site	Hyde Park	Dutchess	Ntl./State Register	No	4.7	0	Not Visible
215	Roosevelt, Eleanor, National Historic Site	Hyde Park	Dutchess	Ntl./State Register	No	2.8	0	Not Visible
216	Hudson River State Hospital, Main Building	Poughkeepsie	Dutchess	Ntl./State Register	No	4.8	0	Not Visible
217	Main Building, Vassar College	Poughkeepsie	Dutchess	Ntl./State Register	No	4.8	0	Not Visible
218	Poughkeepsie Almshouse and City Infirmary	Poughkeepsie	Dutchess	Ntl./State Register	No	4.8	0	Not Visible
219	Clinton House	Poughkeepsie	Dutchess	Ntl./State Register	No	5.0	0	Not Visible
220	Dixon House	Poughkeepsie	Dutchess	Ntl./State Register	No	5.0	0	Not Visible
221	Glebe House	Poughkeepsie	Dutchess	Ntl./State Register	No	4.9	0	Not Visible
222	Mader House	Poughkeepsie	Dutchess	Ntl./State Register	No	4.5	0	Not Visible
223	St. Paul's Episcopal Church	Poughkeepsie	Dutchess	Ntl./State Register	No	5.0	0	Not Visible
224	Smith Metropolitan AME Zion Church	Poughkeepsie	Dutchess	Ntl./State Register	No	4.7	0	Not Visible
225	Roosevelt, Isaac, House	Hyde Park	Dutchess	Ntl./State Register	No	4.9	0	Not Visible
226	Vassar College Observatory	Poughkeepsie	Dutchess	Ntl./State Register	No	4.6	0	Not Visible
227	St. Andrew's Novitiate	Hyde Park	Dutchess	Ntl./State Register	No	4.8	0	Not Visible
228	Guilford Dudley Memorial	Poughkeepsie	Dutchess	Ntl./State Register	Yes	4.5	5	C
229	Quiet Cove Riverfront Park	Poughkeepsie	Dutchess	State Park/Historic Site	No	5.0	0	Not Visible
230	Clinton House	Poughkeepsie	Dutchess	State Park/Historic Site	No	5.0	0	Not Visible
231	Walkway over the Hudson	Poughkeepsie	Dutchess	State Park/Historic Site	No	5.0	0	Not Visible
232	Tousey, Benjamin C., House (The Willows)	Clinton	Dutchess	Ntl./State Register	No	2.6	0	Not Visible
233	Lafayette Multiple Use Area	Milan	Dutchess	State Forest Preserve	No	3.0	0	Not Visible
234	Early 19th c. Frame Double-house	Milan	Dutchess	Ntl./State Register Eligible	No	2.6	0	Not Visible
235	Roeliff Jansenkil Multiple Use Area	Milan	Dutchess	State Forest Preserve	No	3.0	0	Not Visible
236	Roeliff Jansen Kill	Milan	Dutchess	State Designated Trail	No	2.9	0	Not Visible

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Map ID	Receptor Name	Municipality	County	Resource Category	Within Project Viewshed	Distance to Nearest Structure (miles) ³	Maximum Number of Structures Visible	Visibility Class
237	Lake Taghkanic	Taghkanic	Columbia	State Park/Historic Site	Yes	2.7	6	C
238	Best House & Farm	Livingston	Columbia	Ntl./State Register Eligible	Yes	0.4	13	C
239	Revolutionary Trail	Taghkanic	Columbia	State Designated Trail	Yes	2.6	1	C
240	1.5 Story Frame Farmhouse w/ outbuildings	Greenport	Columbia	Ntl./State Register Eligible	Yes	0.4	47	C
241	Frame Federal Style House	Greenport	Columbia	Ntl./State Register Eligible	Yes	0.4	32	C
242	Harder Knitting Mill	Hudson	Columbia	Ntl./State Register Eligible	No	2.0	0	Not Visible
243	Bronson, Dr. Oliver, House and Estate	Hudson	Columbia	Ntl./State Register	No	2.1	0	Not Visible
244	North Fifth Street, Houses at 37-47	Hudson	Columbia	Ntl./State Register	No	2.2	0	Not Visible
245	Hudson Historic District	Hudson	Columbia	Ntl./State Register	Yes	1.9	Urbanized Area	View Unlikely
246	Gambrel roof stone & brick house	Greenport	Columbia	Ntl./State Register Eligible	Yes	0.4	31	C
247	161 US Route 9	Greenport	Columbia	Ntl./State Register Eligible	Yes	1.3	27	C
248	Columbia Turnpike: West Tollgate House	Greenport	Columbia	Ntl./State Register	Yes	0.7	47	C
249	Van Ness House	Claverack	Columbia	Ntl./State Register Eligible	Yes	0.9	15	C
250	Miller, Steven, House	Claverack	Columbia	Ntl./State Register	No	1.3	0	Not Visible
251	Porter, Rev.Dr. Elbert, House ("Oakledge")	Claverack	Columbia	Ntl./State Register	Yes	0.8	29	C
252	Ludlow-Van Rensselaer House	Claverack	Columbia	Ntl./State Register	Yes	0.2	7	C
253	Van Rensselaer-Kipp House	Claverack	Columbia	Ntl./State Register Eligible	Yes	0.1	45	C
254	Mellenville Railroad Station	Claverack	Columbia	Ntl./State Register	No	3.7	0	Not Visible
255	Van Alen, Luycas, House	Kinderhook	Columbia	Ntl./State Register	Yes	2.5	14	C
256	Blaisdell, Fletcher, Farm Complex	Coeymans	Albany	Ntl./State Register	Yes	2.3	25	C
257	Elmbrook Farm	Schodack	Columbia	Ntl./State Register	Yes	0.6	11	C
258	Reformed Dutch Church of Claverack	Claverack	Columbia	Ntl./State Register	No	0.9	0	Not Visible
259	St. John's Evangelical Lutheran Church	Livingston	Columbia	Ntl./State Register	Yes	0.8	7	C
260	Front St-Parade Hill-Lower Warren St Historic Dist	Hudson	Columbia	Ntl./State Register	No	2.7	0	Not Visible
261	Coeymans, Ariaanje, House	Coeymans	Albany	Ntl./State Register	Yes	1.9	Urbanized Area	View Unlikely
262	Stuyvesant Falls Mill District	Stuyvesant	Columbia	Ntl./State Register	Yes	0.8	1	C
263	Staats, Joachim, House and Gerrit Staats Ruin	Schodack	Columbia	Ntl./State Register	No	1.3	0	Not Visible
264	Reed Street Historic District	Coxsackie	Greene	Ntl./State Register	Yes	2.4	7	C
265	Van Rensselaer, Jacob Rutsen, House and Mill	Claverack	Columbia	Ntl./State Register	No	2.0	0	Not Visible
266	Bouwerie	Clermont	Columbia	Ntl./State Register	Yes	1.7	18	C
267	Hickory Hill	Clermont	Columbia	Ntl./State Register	No	1.9	0	Not Visible
268	Newcomb-Brown Estate	Pleasant Valley	Dutchess	Ntl./State Register	No	2.9	0	Not Visible
269	Windswept Farm	Clinton	Columbia	Ntl./State Register	Yes	0.3	3	C
270	Van Rensselaer, Henry (Hendrick) I., House	Greenport	Columbia	Ntl./State Register	Yes	0.7	8	C
271	New Baltimore Hamlet Historic District	New Baltimore	Greene	Ntl./State Register	Yes	1.9	22	C
272	Miller, Harmon, House	Claverack	Columbia	Ntl./State Register	Yes	0.8	10	C
273	Felpel, George, House	Claverack	Columbia	Ntl./State Register	No	0.9	0	Not Visible
274	Mesick, Jacob P., House	Claverack	Columbia	Ntl./State Register	No	1.2	0	Not Visible
275	Top Cottage	Hyde Park	Dutchess	Ntl./State Register	No	2.6	0	Not Visible
276	Requa House	Stuyvesant	Columbia	Ntl./State Register	No	0.7	0	Not Visible
277	Bike Path #1	Marcy	Oneida	State Designated Trail	Yes	1.8	45	A
278	US Post Office-Fort Plain	Minden	Montgomery	Ntl./State Register	No	2.6	0	Not Visible
279	Nellis, Jacob, Farmhouse	Palatine	Montgomery	Ntl./State Register	Yes	3.0	13	C
280	Nelliston Historic District	Palatine	Montgomery	Ntl./State Register	No	2.8	0	Not Visible
281	Nelliston School	Palatine	Montgomery	Ntl./State Register	Yes	3.0	4	C
282	Lasher-Davis House	Palatine	Montgomery	Ntl./State Register	Yes	3.0	5	C
283	Revolutionary Trail	Palatine	Montgomery	State Designated Trail	Yes	0.0	89	C

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284	Zoller-Frasier Round Barn	Danube	Herkimer	Ntl./State Register	Yes	2.3	7	C
285	Remington Stables	German Flatts	Herkimer	Ntl./State Register	Yes	1.6	Urbanized	View Unlikely
286	First United Methodist Church	German Flatts	Herkimer	Ntl./State Register	Yes	1.6	Urbanized	View Unlikely
287	US Post Office--Ilion	German Flatts	Herkimer	Ntl./State Register	Yes	1.7	Urbanized	View Unlikely
288	Richardson, Thomas, House	German Flatts	Herkimer	Ntl./State Register	No	1.8	0	Not Visible
289	Palatine German Frame House	Herkimer	Herkimer	Ntl./State Register	No	2.4	0	Not Visible
290	Weller Library	German Flatts	Herkimer	Ntl./State Register Eligible	Yes	1.7	Urbanized	View Unlikely
291	Mohawk Armory (YMCA)	German Flatts	Herkimer	Ntl./State Register Eligible	Yes	2.2	Urbanized	View Unlikely
292	Bike Path #2	German Flatts	Herkimer	State Designated Trail	Yes	2.3	36	C
293	Remington House	Frankfort	Herkimer	Ntl./State Register	No	0.9	0	Not Visible
294	Balloon Farm	Litchfield	Herkimer	Ntl./State Register	No	1.6	0	Not Visible
295	US Post Office--Frankfort	Frankfort	Herkimer	Ntl./State Register	Yes	2.1	56	View Unlikely
296	Frankfort Town Hall	Frankfort	Herkimer	Ntl./State Register	Yes	2.0	50	View Unlikely
297	Sweetman Prop	Columbia	Herkimer	Ntl./State Register Eligible	No	2.2	0	Not Visible
298	2571 Higby Road	Frankfort	Herkimer	Ntl./State Register Eligible	Yes	1.5	40	C
299	Utica Armory	Utica	Oneida	Ntl./State Register	Yes	2.2	Urbanized	View Unlikely
300	Memorial Church of the Holy Cross	Utica	Oneida	Ntl./State Register	Yes	2.6	Urbanized	View Unlikely
301	Grace Church	Utica	Oneida	Ntl./State Register	Yes	2.9	Urbanized	View Unlikely
302	Byington Mill (Frisbie & Stansfield Knitting Company)	Utica	Oneida	Ntl./State Register	Yes	2.5	Urbanized	View Unlikely
303	Doyle Hardware Building	Utica	Oneida	Ntl./State Register	Yes	2.5	Urbanized	View Unlikely
304	Hurd & Fitzgerald Building	Utica	Oneida	Ntl./State Register	Yes	2.5	Urbanized	View Unlikely
305	Utica Daily Press Building	Utica	Oneida	Ntl./State Register	Yes	2.5	Urbanized	View Unlikely
306	Lower Genesee Street Historic District	Utica	Oneida	Ntl./State Register	Yes	2.6	Urbanized	View Unlikely
307	Union Station	Utica	Oneida	Ntl./State Register	Yes	2.5	Urbanized	View Unlikely
308	Weaver, Gen. John G., House	Utica	Oneida	Ntl./State Register	Yes	1.3	Urbanized	View Unlikely
309	First Baptist Church of Deerfield	Utica	Oneida	Ntl./State Register	Yes	1.3	Urbanized	View Unlikely
310	Masonic Home: Tompkins Memorial Chapel	Frankfort	Herkimer	Ntl./State Register Eligible	Yes	1.2	32	A
311	Charlestown Outlet/Former Savage Arms	Utica	Oneida	Ntl./State Register Eligible	Yes	1.2	57	A
312	Residence	Utica	Oneida	Ntl./State Register Eligible	Yes	3.0	Urbanized	View Unlikely
313	Oneida Knitting Company Office	Utica	Oneida	Ntl./State Register Eligible	Yes	2.4	Urbanized	View Unlikely
314	Wild & Devereux Oneida Knitting	Utica	Oneida	Ntl./State Register Eligible	Yes	2.5	Urbanized	View Unlikely
315	Mohawk Valley Cotton Mills (General Electric)	Utica	Oneida	Ntl./State Register Eligible	Yes	2.5	Urbanized	View Unlikely
316	Foster Bros. Manufacturing Company	Utica	Oneida	Ntl./State Register Eligible	Yes	2.4	Urbanized	View Unlikely
317	Four Store Fronts & George Club	Utica	Oneida	Ntl./State Register Eligible	Yes	2.7	Urbanized	View Unlikely
318	Liberty Book Store	Utica	Oneida	Ntl./State Register Eligible	Yes	2.7	Urbanized	View Unlikely
319	Utica Marsh WMA	Marcy	Oneida	State Wildlife Mgt Area	Yes	2.0	51	A
320	Ohisa State Forest	Stark	Herkimer	State Forest Preserve	Yes	0.5	38	C
321	Otsquago State Forest	Stark	Herkimer	State Forest Preserve	Yes	2.1	33	C
322	Bike Path #3	Canajoharie	Montgomery	State Designated Trail	No	1.7	0	Not Visible
323	Frey House	Palatine	Montgomery	Ntl./State Register	No	2.2	0	Not Visible
324	Ehle, Peter, House	Palatine	Montgomery	Ntl./State Register	No	2.5	0	Not Visible
325	Van Alstyne House	Canajoharie	Montgomery	Ntl./State Register	No	2.0	0	Not Visible
326	Bragdon-Lipe House	Canajoharie	Montgomery	Ntl./State Register	No	2.0	0	Not Visible
327	West Hill School	Canajoharie	Montgomery	Ntl./State Register	No	2.0	0	Not Visible
328	US Post Office-Canajoharie	Canajoharie	Montgomery	Ntl./State Register	No	2.1	0	Not Visible
329	Palatine Bridge Freight House	Palatine	Montgomery	Ntl./State Register	No	2.5	0	Not Visible
330	Wagner, Webster, House	Palatine	Montgomery	Ntl./State Register	No	2.5	0	Not Visible

Table 2 – Visual Resources Inventory

Map ID	Receptor Name	Municipality	County	Resource Category	Within Project Viewshed	Distance to Nearest Structure (miles) ³	Maximum Number of Structures Visible	Visibility Class
331	Ames Academy Building	Canajoharie	Montgomery	Ntl./State Register	No	2.8	0	Not Visible
332	Eatons Corners Historic District	Duanesburg	Schenectady	Ntl./State Register	No	2.9	0	Not Visible
333	Abrahams Farmhouse	Duanesburg	Schenectady	Ntl./State Register	No	2.5	0	Not Visible
334	Braman, Joseph, House	Duanesburg	Schenectady	Ntl./State Register	Yes	2.5	1	C
335	Duanesburg-Florida Baptist Church	Duanesburg	Schenectady	Ntl./State Register	Yes	2.4	1	C
336	Chapman Farmhouse	Duanesburg	Schenectady	Ntl./State Register	No	2.2	0	Not Visible
337	Charleston State Forest	Charleston	Montgomery	State Forest Preserve	Yes	0.0	43	C
338	Lost Valley State Forest	Charleston	Montgomery	State Forest Preserve	Yes	0.3	38	C
339	First Baptist Church	Charleston	Montgomery	Ntl./State Register	Yes	0.6	14	C
340	Rural Grove State Forest	Charleston	Montgomery	State Forest Preserve	Yes	0.0	45	C
341	Yatesville Falls State Forest	Root	Montgomery	State Forest Preserve	Yes	0.0	46	C
342	Glen Historic District	Glen	Montgomery	Ntl./State Register	Yes	2.5	23	C
343	Green, Joseph, Farmhouse	Duanesburg	Schenectady	Ntl./State Register	No	1.1	0	Not Visible
344	Mariaville Historic District	Duanesburg	Schenectady	Ntl./State Register	Yes	0.9	3	C
345	Lasher, George, House	Duanesburg	Schenectady	Ntl./State Register	No	0.5	0	Not Visible
346	Featherstonhaugh State Forest	Duanesburg	Schenectady	State Forest Preserve	Yes	1.4	2	C
347	Mabee House	Rotterdam	Schenectady	Ntl./State Register	Yes	2.2	20	C
348	Five-bay Frame Farmhouse, Barn Complex	Rotterdam	Schenectady	Ntl./State Register Eligible	No	2.9	0	Not Visible
349	Movable Dam #5	Rotterdam	Schenectady	Ntl./State Register Eligible	No	3.0	0	Not Visible
350	Bike Path #4	Glenville	Schenectady	State Designated Trail	Yes	1.5	42	C
351	Bike Path #5	Glenville	Schenectady	State Designated Trail	Yes	1.5	43	C
352	Bike Path #6	Glenville	Schenectady	State Designated Trail	Yes	1.4	42	C
353	Bike Path #7	Glenville	Schenectady	State Designated Trail	Yes	1.4	38	C
354	Bike Path #8	Rotterdam	Schenectady	State Designated Trail	Yes	1.2	38	C
355	Bike Path #9	Rotterdam	Schenectady	State Designated Trail	Yes	1.0	30	C
356	Bike Path #10	Rotterdam	Schenectady	State Designated Trail	Yes	1.0	29	C
357	Bike Path #11	Rotterdam	Schenectady	State Designated Trail	Yes	1.0	11	C
358	Bike Path #12	Rotterdam	Schenectady	State Designated Trail	Yes	1.0	20	C
359	General Electric Research Laboratory	Schenectady	Schenectady	Ntl./State Register	Yes	2.7	Urbanized	View Unlikely
360	Schenectady Armory	Schenectady	Schenectady	Ntl./State Register	Yes	2.7	Urbanized	View Unlikely
361	Central Fire Station	Schenectady	Schenectady	Ntl./State Register	Yes	2.8	Urbanized	View Unlikely
362	Hotel Van Curler	Schenectady	Schenectady	Ntl./State Register	Yes	2.7	Urbanized	View Unlikely
363	Barney, H. S., Building	Schenectady	Schenectady	Ntl./State Register	Yes	2.8	Urbanized	View Unlikely
364	Stockade Historic District (Boundary Increase)	Schenectady	Schenectady	Ntl./State Register	Yes	2.6	Urbanized	View Unlikely
365	Glen, Abraham, House	Glenville	Schenectady	Ntl./State Register	Yes	2.0	Urbanized	View Unlikely
366	US Post Office-Scotia Station	Glenville	Schenectady	Ntl./State Register	Yes	1.6	Urbanized	View Unlikely
367	Former Schoolhouse No. 11, ca. 1866/1960s	Rotterdam	Schenectady	Ntl./State Register Eligible	No	2.8	0	Not Visible
368	Rotterdam Fire District No. 7	Rotterdam	Schenectady	Ntl./State Register Eligible	Yes	1.1	3	C
369	1901 Nicholous Block/German Restaurant	Schenectady	Schenectady	Ntl./State Register Eligible	Yes	2.9	Urbanized	View Unlikely
370	Old Carley Res & Business	Schenectady	Schenectady	Ntl./State Register Eligible	Yes	2.7	Urbanized	View Unlikely
371	Brock Apts	Schenectady	Schenectady	Ntl./State Register Eligible	Yes	2.6	Urbanized	View Unlikely
372	McMichael Cramer House, Farm, Broom Shop and Barn	Glenville	Schenectady	Ntl./State Register Eligible	Yes	0.7	15	C
373	Sacandaga Elementary School, 1931/1954/1965/1999	Glenville	Schenectady	Ntl./State Register Eligible	Yes	1.2	26	C
374	2.5 story front gable, conical tower, carriage barn extant	Glenville	Schenectady	Ntl./State Register Eligible	No	2.7	0	Not Visible
375	Beukendaal School, 1914	Glenville	Schenectady	Ntl./State Register Eligible	No	1.8	0	Not Visible

Table 2 – Visual Resources Inventory

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376	William Dalton House (1911)	Glenville	Schenectady	Ntl./State Register Eligible	No	1.9	0	Not Visible
377	Bike Path #13	Rotterdam	Schenectady	State Designated Trail	Yes	0.4	32	C
378	Bike Path #14	Glenville	Schenectady	State Designated Trail	No	2.8	0	Not Visible
379	Bike Path #15	Glenville	Schenectady	State Designated Trail	No	2.8	0	Not Visible
380	Bike Path #16	Glenville	Schenectady	State Designated Trail	No	2.7	0	Not Visible
381	Bike Path #17	Glenville	Schenectady	State Designated Trail	No	2.8	0	Not Visible
382	Bike Path #18	Glenville	Schenectady	State Designated Trail	No	2.8	0	Not Visible
383	Bike Path #19	Rotterdam	Schenectady	State Designated Trail	Yes	0.3	32	C
385	NYSDOH Griffin Laboratory (State Farm)	Guilderland	Albany	Ntl./State Register Eligible	No	3.0	0	Not Visible
386	Newberry House	Rotterdam	Albany	Ntl./State Register Eligible	No	1.6	0	Not Visible
387	Van Patten Barn Complex	Guilderland	Albany	Ntl./State Register	Yes	2.2	7	A
388	Fuller's Tavern	Guilderland	Albany	Ntl./State Register	No	2.3	0	Not Visible
389	Houck Farmhouse	Guilderland	Albany	Ntl./State Register	No	1.8	0	Not Visible
390	Van Patten House	Guilderland	Albany	Ntl./State Register Eligible	No	0.7	0	Not Visible
391	James Lane Ogsbury House	Guilderland	Albany	Ntl./State Register Eligible	Yes	0.6	16	A
392	1167 Meadowvale Rd	Guilderland	Albany	Ntl./State Register Eligible	Yes	0.7	2	A
393	St. Mark's Lutheran Church	Guilderland	Albany	Ntl./State Register	No	1.1	0	Not Visible
394	Apple Tavern	Guilderland	Albany	Ntl./State Register	Yes	1.2	3	A
395	Guilderland Cemetery Vault	Guilderland	Albany	Ntl./State Register	Yes	0.8	14	A
396	Sharp Brothers House	Guilderland	Albany	Ntl./State Register	No	1.1	0	Not Visible
397	Sharp Farmhouse	Guilderland	Albany	Ntl./State Register	No	1.1	0	Not Visible
398	Parker, Charles, House	Guilderland	Albany	Ntl./State Register	Yes	1.2	9	A
399	Pangburn, Stephen, House	Guilderland	Albany	Ntl./State Register	No	1.5	0	Not Visible
400	Gifford Grange Hall	Guilderland	Albany	Ntl./State Register	Yes	0.2	32	A
401	Veeder Farmhouse No.2	Guilderland	Albany	Ntl./State Register	Yes	0.8	2	A
402	Veeder Farmhouse No.1	Guilderland	Albany	Ntl./State Register	Yes	0.6	10	A
403	Dellemont-Wemple Farm	Rotterdam	Schenectady	Ntl./State Register	No	0.6	0	Not Visible
404	335A - 3333 NY Route 7	Princetown	Schenectady	Ntl./State Register Eligible	Yes	1.3	1	A
405	334P - 33328 NY Route 7	Princetown	Schenectady	Ntl./State Register Eligible	Yes	1.0	1	A
406	Kelleys Station Turnpike Tavern	Princetown	Schenectady	Ntl./State Register Eligible	Yes	1.0	1	A
407	Lainhart Farm Complex and Dutch Barn	Guilderland	Albany	Ntl./State Register	No	1.2	0	Not Visible
408	Vanderpool Farm Complex	Guilderland	Albany	Ntl./State Register	Yes	1.4	17	A
409	Fine Arts and Flower Building Altamont Fairground	Guilderland	Albany	Ntl./State Register	Yes	1.5	Urbanized	View Unlikely
410	Hayes House	Guilderland	Albany	Ntl./State Register	Yes	1.5	Urbanized	View Unlikely
411	Delaware and Hudson Railroad Passenger Station	Guilderland	Albany	Ntl./State Register	Yes	1.6	Urbanized	View Unlikely
412	Schoolhouse No.6	Guilderland	Albany	Ntl./State Register	Yes	1.7	Urbanized	View Unlikely
413	Altamont Historic District	Guilderland	Albany	Ntl./State Register	Yes	1.5	Urbanized	View Unlikely
414	Mynderse-Frederick House	Guilderland	Albany	Ntl./State Register	Yes	1.4	Urbanized	View Unlikely
415	Helderberg Reformed Dutch Church	Guilderland	Albany	Ntl./State Register	Yes	1.3	Urbanized	View Unlikely
416	Freeman House	Guilderland	Albany	Ntl./State Register	Yes	1.3	Urbanized	View Unlikely
417	Knower House	Guilderland	Albany	Ntl./State Register	Yes	0.9	6	A
418	Crouse, Jacob, Inn	Guilderland	Albany	Ntl./State Register	Yes	0.8	5	A
419	McNiven Farm Complex	Guilderland	Albany	Ntl./State Register	Yes	0.1	6	A
420	Gardner House	Guilderland	Albany	Ntl./State Register	Yes	1.6	2	A
421	Crouse, John and Henry, Farm Complex	Guilderland	Albany	Ntl./State Register	No	2.0	0	Not Visible
422	Crouse, Frederick, House	Guilderland	Albany	Ntl./State Register	Yes	2.0	37	A
423	John Boyd Thacher Cons. Easement	Guilderland	Albany	Conservation Easement	No	2.7	0	Not Visible

Table 2 – Visual Resources Inventory

Map ID	Receptor Name	Municipality	County	Resource Category	Within Project Viewshed	Distance to Nearest Structure (miles) ³	Maximum Number of Structures Visible	Visibility Class
424	Aumic House	Guilderland	Albany	Ntl./State Register	Yes	2.2	40	A
425	Coppola House	Guilderland	Albany	Ntl./State Register	No	2.3	0	Not Visible
426	Hilton, Adam, House	Guilderland	Albany	Ntl./State Register	No	2.1	0	Not Visible
427	Sternbergh House	Knox	Albany	Ntl./State Register	No	2.8	0	Not Visible
428	John Boyd Thacher	New Scotland	Albany	State Park/Historic Site	Yes	1.8	70	A
429	Black Creek Marsh WMA	Guilderland	Albany	State Wildlife Mgt Area	Yes	0.0	43	A
430	Voorheesville Elementary School	New Scotland	Albany	Ntl./State Register Eligible	No	0.9	0	Not Visible
431	LeVie Barn	New Scotland	Albany	Ntl./State Register Eligible	Yes	1.0	1	A
432	Goose Lodge (building 2); former CCC shop	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
433	Maintenance Shop (building 3); former CCC garage	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
434	Jones Barn (building 3a)	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
435	The Spruces (building 4)	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
436	Annex (building 4a)	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
437	Powerhouse (building 4b)	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
438	Administration Building (building 5)	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
439	Warehouse Building (building 6)	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
440	Visitor Center (building 7)	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
441	Bear Pen (building 7b)	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
442	Gardener Shed (building 7c)	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
443	Residence (building 8)	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
444	Radley Barn (building 8a)	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
445	Guided School Program Building	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
446	Wildlife Research Center	New Scotland	Albany	Ntl./State Register Eligible	No	0.3	0	Not Visible
447	Five Rivers Education Center	New Scotland	Albany	State Wildlife Mgt Area	Yes	0.1	33	A
448	Van Derheyden House	Bethlehem	Albany	Ntl./State Register	No	0.9	0	Not Visible
449	779 US Route 9W	Bethlehem	Albany	Ntl./State Register Eligible	No	1.2	0	Not Visible
450	Former Rock Farmstead Glenfield	Bethlehem	Albany	Ntl./State Register Eligible	Yes	1.2	1	A
451	C.J. Schoonmaker House	Bethlehem	Albany	Ntl./State Register Eligible	No	1.0	0	Not Visible
452	386 Delaware Ave	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.4	6	A
453	Delmar Reformed Church and Parsonage	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.4	6	A
454	Adams House Hotel	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.4	10	A
455	384 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.5	13	A
456	389-397 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.5	13	A
457	428 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.4	12	A
458	403 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.5	7	A
459	444 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.4	6	A
460	411 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.5	10	A
461	427 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.5	8	A
462	439 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.5	9	A
463	Patterson Farmhouse	Bethlehem	Albany	Ntl./State Register	Yes	1.6	Urbanized	View Unlikely
464	US Post Office-Delmar	Bethlehem	Albany	Ntl./State Register	Yes	2.5	Urbanized	View Unlikely
465	450 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.4	Urbanized	View Unlikely
466	490 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	No	2.3	0	Not Visible
467	488 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	No	2.3	0	Not Visible
468	486 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	No	2.3	0	Not Visible
469	441 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.5	Urbanized	View Unlikely
470	453 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.4	Urbanized	View Unlikely

Table 2 – Visual Resources Inventory

Map ID	Receptor Name	Municipality	County	Resource Category	Within Project Viewshed	Distance to Nearest Structure (miles) ³	Maximum Number of Structures Visible	Visibility Class
471	451 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.4	Urbanized	View Unlikely
472	449 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.5	Urbanized	View Unlikely
473	457-459 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.4	Urbanized	View Unlikely
474	455 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.4	Urbanized	View Unlikely
475	463 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	Yes	2.4	Urbanized	View Unlikely
476	563 Kenwood Avenue	Bethlehem	Albany	Ntl./State Register Eligible	No	2.3	0	Not Visible
477	127 Font Grove Road	Bethlehem	Albany	Ntl./State Register Eligible	No	2.1	0	Not Visible
478	Slingerlands, Albert, House	Bethlehem	Albany	Ntl./State Register	Yes	2.3	8	A
479	LeGrange Farmstead	New Scotland	Albany	Ntl./State Register	No	2.9	0	Not Visible
480	Mohawk Valley	Spans many municipalities		State Heritage Area	Yes	0.0	110	C

Maximum Number of Structures Visible:

Urbanized Area: Receptor located in urbanized area and is more than one (1) mile from the nearest project structure. Project views are considered unlikely.

Note: The maximum number of structures visible is based on viewshed analysis alone. The presence of localized vegetation and extended distance may result in fewer structures visible. Field analysis is necessary to confirm actual view potential.

Visibility Class:

Not Visible: Screened by intervening landform or vegetation.

View Unlikely: Receptor located in urbanized area more than one mile from nearest proposed structure. Class "A": No change in extent of visibility. New structures at same height as existing, or shorter than existing.

Class "B": Minor change in visibility. Structures height increase by 10 feet or less.

Class "C": Structure height increase by more than 10 feet Large Change: Structure height increase by more than 10 feet.

As requested by the December 2014 Order, Table 3 summarizes the total number of identified visual resources and the number of affected visual resources by category.

Table 3 – Visual Resource Summary

Resource Category	Number of Resources Identified	Number of Resources Affected
National/State Register Site or District	200	54
National/State Register Eligible Site ⁴	211	52
State Parks and State Historic Sites	17	6
Heritage Areas	1	1
State Forest Preserve	9	7
National Wildlife Refuges	0	0
State Game Refuges	0	0
State Wildlife Management Areas	6	4
National Natural Landmarks	0	0
National Park Resources (Recreation Areas, Seashores, and Forests)	0	0
National or State Wild, Scenic, or Recreational Rivers	0	0
Designated Scenic Site, Area, Lake, Reservoir or Highway	0	0
Scenic Areas of Statewide Significance	3	1
State or Federally Designated Trails	22	15
Adirondack Park Scenic Vistas	0	0
State Nature and Historic Preserve Areas	5	3
Palisades Park	0	0
Bond Act Properties purchased under Exceptional Beauty or Open Space category	2	0
Total	476⁵	143

⁴ Of 368 Register Eligible data points identified as being located within the Study Area, 153 were dropped from further analysis because of missing or incomplete address information.

⁵ Four receptors were removed from Table 2 as they were found to be invalid or duplicates.

2. Qualitative Impact (Analysis of Visual Contrast)

a) Photo Simulations

Photo simulations have been prepared from eight (8) representative locations along the proposed Marcy Southern Route. These simulations are provided to compare the typical visual character of the Project with the existing landscape. Photo Simulations are provided in Appendix B.

Field Photography – An experienced visual analyst visited multiple locations along the proposed Marcy Southern route and photographed roadside scenes likely to have an unobstructed view of the proposed Project. Photographs were taken using a single lens reflex (“DSLR”) camera with a lens setting of approximately 50mm (film equivalent) to simulate normal human eyesight relative to scale. The precise coordinates of each photo location were recorded in the field using a handheld global positioning system (GPS) unit.

Photo Simulation Methodology – Photo simulations were developed by superimposing a rendering of a three-dimensional (3D) computer model of the proposed Project into the base photograph taken from each selected viewpoint. The 3D computer model was developed using Autodesk Civil 3D® and 3D Studio Max Design® software. The simulations are based on the proposed transmission line improvements as illustrated in the Typical Right-of-Way Cross-Sections (the Marcy/Edic to Pleasant Valley Project, Article VII Part A Supplemental Application, Exhibit 5) for the simulated location.

Simulated perspectives (camera views) were matched to the corresponding base photograph for each simulated view by replicating the precise coordinates of the field camera position and the focal length of the camera lens used (e.g. 50mm). Precisely matching these parameters assures scale accuracy between the base photograph and the simulated view. A 3D terrain model was created using digital elevation model (DEM data) to replicate existing local topography. The camera’s elevation (Z value) is derived from DEM data plus a six (6) foot offset. The camera’s target position was set to match the bearing of the corresponding existing condition photograph. To verify the camera alignment existing elements (e.g. existing transmission structures, vegetation, buildings, etc.) visible within the photograph were digitized from digital orthophotos. Each element was assigned a Z value based on DEM data and then imported to 3D Studio Max. The digitized elements were then aligned with corresponding elements in the photograph by adjusting the camera target.

Once the camera alignment was verified, a to-scale 3D model of the proposed transmission structures and conductors were merged into the model space. The 3D model was constructed in sufficient detail to accurately convey visual character and reveal impacts. Post production editing (i.e., airbrush out portion of transmission towers that fall below or behind foreground topography and vegetation) was completed using Adobe Photoshop software.

b) Visual Character Analysis

Existing Landscape Character – The proposed Project is located within the Mohawk and Hudson Valley regions of New York State. The Marcy to Rotterdam transmission segment generally parallels the

Mohawk River approximately one (1) to six (6) miles inland, crossing over the river east of Utica. The Princetown to Knickerbocker segment turns south through rural Schenectady and Albany Counties, crossing over the Hudson River along the existing transmission crossing south of the Castleton Bridge (I-90, Berkshire Spur). The Greenbush to Pleasant Valley transmission corridor generally parallels the east side of the Hudson River approximately two (2) to eight (8) miles inland.

The Study Area has great topographic variety consisting of rolling hills and small ravines interspersed with large open fields, meadows, orchards and woodlands in a predominantly agricultural landscape. The landform consists predominantly of gently rolling uplands ranging in elevation from 300 to 1,200 feet in the Mohawk Valley and surrounding uplands to 200 to 600 feet in the Hudson Valley. The undeveloped areas contain a mixture of woodlands and meadows of diverse vegetation. Scattered throughout is mature woodlands typically covering steep slopes, hilltops, ravines, stream corridors, and other areas historically unsuitable for agricultural use. The woodlands are mature and create a substantial visual contrast to the open fields. While there are some small ponds and streams, water is not a dominant feature in the landscape.

Agriculture is the principal land use, with a mix of tilled fields, pastures, orchards and woodlands. Coinciding with the mix of open field and woodlots is a significant area of secondary growth edge habitat. For the most part, this secondary growth takes the form of hedgerows, wood borders, and old fields. Farmsteads are of vernacular architecture and are generally well-maintained. Single family residences are scattered along lightly to moderately traveled roads.

The Marcy to Knickerbocker segment passes through or adjacent to several major cities and smaller population centers along the study route. These include Utica, Illion/Mohawk, Canajoharie, and Schenectady and Albany as well as numerous populated communities and neighborhoods. These population centers are characterized by a mix of manufacturing, commercial, institutional uses and residential districts of varying density. The proposed route crosses roadways such as NYS Routes 5, 28, and 80, the New York State Thruway (I-90 and I-87 segments), as well as numerous County highways and local roadways. It also crosses the West Canada Creek, Mohawk River, Schoharie Creek, and Hudson River. The entire length of this segment is located within an existing transmission ROW containing adjacent to various existing transmission lines with differing tower types ranging in height from 50 to 175 feet.

The Greenbush to Pleasant Valley segment briefly passes through suburban residential neighborhoods southeast of the City of Albany. The Pleasant Valley substation is located in the community of Pleasant Valley approximately five-miles northeast of the City of Poughkeepsie. These population centers include low to medium-density neighborhoods and commercial districts. The Greenbush to Pleasant Valley corridor crosses NYS Routes 9H, 23B, 66 and 199, US Routes 9 and 20, Interstate 90 (Berkshire Spur), as well as numerous County highways and local roadways. The corridor also crosses the Kinderhook Creek, and the Roeliff Jansen Kill.

Within the Study Area existing transmission structures and conductors are commonly visible at road crossings and nearby properties where the existing transmission corridors cross open agricultural or brush

covered lands. The upper portions of existing transmission structures is occasionally visible above intervening trees where open vistas permit extended views

Qualitative Change in Landscape Character – The Marcy to Princetown segment includes reconductoring existing 135-foot tall metal structures and replacement of 85-foot tall wooden H-frame structures with 97-foot tall monopole structures. The Princetown to Rotterdam segment includes replacement of 80-foot tall wooden H-frame structures with 85-foot tall monopole structures. The Princetown to Knickerbocker segment includes replacement of 175-foot tall H-frame structures with two 97-foot tall monopole towers. The Greenbush to Pleasant Valley segment included the replacement of 80-foot tall lattice frame structures with 80 and 105-foot tall monopole towers. The entire length of the project is segment is located within an existing transmission ROW adjacent to various existing transmission lines with differing tower types ranging in height from 50 to 135 feet. The slender vertical form of the proposed monopole structures is a simpler visual form than the existing lattice frame structures already within view.

The visual character of the proposed Project is substantially consistent with existing energy infrastructure facilities already in view. However, because the project includes construction of new transmission structures in the Marcy to Rotterdam segment and replacement of existing lattice frame structures with monopole structures in the Greenbush to Pleasant Valley segment, much of the Project would result in a qualitative change class of “B”, as defined in the December 2014 Order⁶.

Next Steps – This summary analysis provides preliminary information regarding the potential visual compatibility of the proposed Project within the regional landscape. Upon selection of a route by the Commission, NEETNY will conduct a supplemental detailed visual study as outlined in the Project's Preliminary Scoping Studies submitted with the Part A Supplemental Application in accordance with the New York State Department of Environmental Conservation (NYSDEC) Visual Policy goals (NYSDEC 2000). The results of the supplemental visual studies will be summarized in the Part B. Application.

⁶ A qualitative change of “B” is assigned when structure types are changed with other lines remaining in the ROW (e.g. “lattice replaced by monopole with other lattice facilities remaining on ROW”).

C. MITIGATION MEASURES

Although existing transmission structures are visible within the ROW, additional measures may be implemented to minimize visibility and perceived impact of the proposed structures. Strategies to be considered and further evaluated in subsequent studies include:

1. Professional Design
 - > Locate proposed structures as close to the existing structures as possible.
2. Screening
 - > Vegetative clearing will be in accordance with best management practices (BMP) for safety and operational requirements. Vegetation clearing should be kept to a minimum, where possible, yet not impede operation.
3. Camouflage/Disguise and Alternate Technologies
 - > Alternate color selection for proposed structures could blend with the natural landscape in select locations.
4. Non-specular Materials
 - > Where possible, non-specular conductor material should be considered.
5. Lighting
 - > Design measures should be investigated to minimize light trespass beyond the substation fence while still satisfying the needs of personnel safety and security of the station.
6. Maintenance
 - > A vegetative management plan should allow, where possible, slow growth and low vegetation to be established within the ROW limits.

Appendix A
Viewshed Mapping

Appendix B
Photographic Simulations