Attachment F

Contrast Rating Instructions, Forms and Panel Infomration

Visual Impact Assessment Rating Panel Instructions

Hoffman Falls Wind Project

Towns of Eaton, Fenner, Nelson and Smithfield, Madison County, New York

Prepared by:

Environmental Design & Research,
Landscape Architecture, Engineering, & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1100
Syracuse, NY 13202
www.edrdpc.com

December 2023

TABLE OF CONTENTS

LIST OF ATTACHMENTS

1.0 INTRODUCTION

Environmental Design & Research, D.P.C. (EDR) is conducting a Visual Impact Assessment (VIA) for the proposed Hoffman Falls Wind Project (the Facility), located in the Towns of Eaton, Fenner, Nelson, and Smithfield, Madison County, New York. The proposed Facility is a utility-scale wind energy generating project that will include wind turbine generators, meteorological towers, an aircraft detection lighting system tower, operations and maintenance Facility, underground collection cables, a collection substation, and point of interconnection switchyard, and an overhead transmission line and associated transmission structures at the point of interconnection.

These instructions are intended to guide personnel conducting contrast ratings using EDR's VIA Contrast Rating Process.

2.0 CONTEXTUAL INFORMATION

Information in this section is intended to familiarize you with the proposed Facility components, viewpoints selected for photosimulation development, and the surrounding landscape.

2.1 Facility Components and Viewpoint Locations

The Google Earth file (KMZ) provided will allow you to "tour" the 5-mile Visual Study Area (VSA) and familiarize yourself with the location of Facility features. The KMZ file includes the following information:

- Viewpoint Locations and Cones of Views
- Wind Turbine Generator Positions
- Meteorological Towers
- Aircraft Detection Lighting System (ADLS) Tower(s)
- Access Roads
- Collection Substation
- Point of Interconnection Switchyard
- Operations and Maintenance Facility

2.2 Landscape Similarity Zones

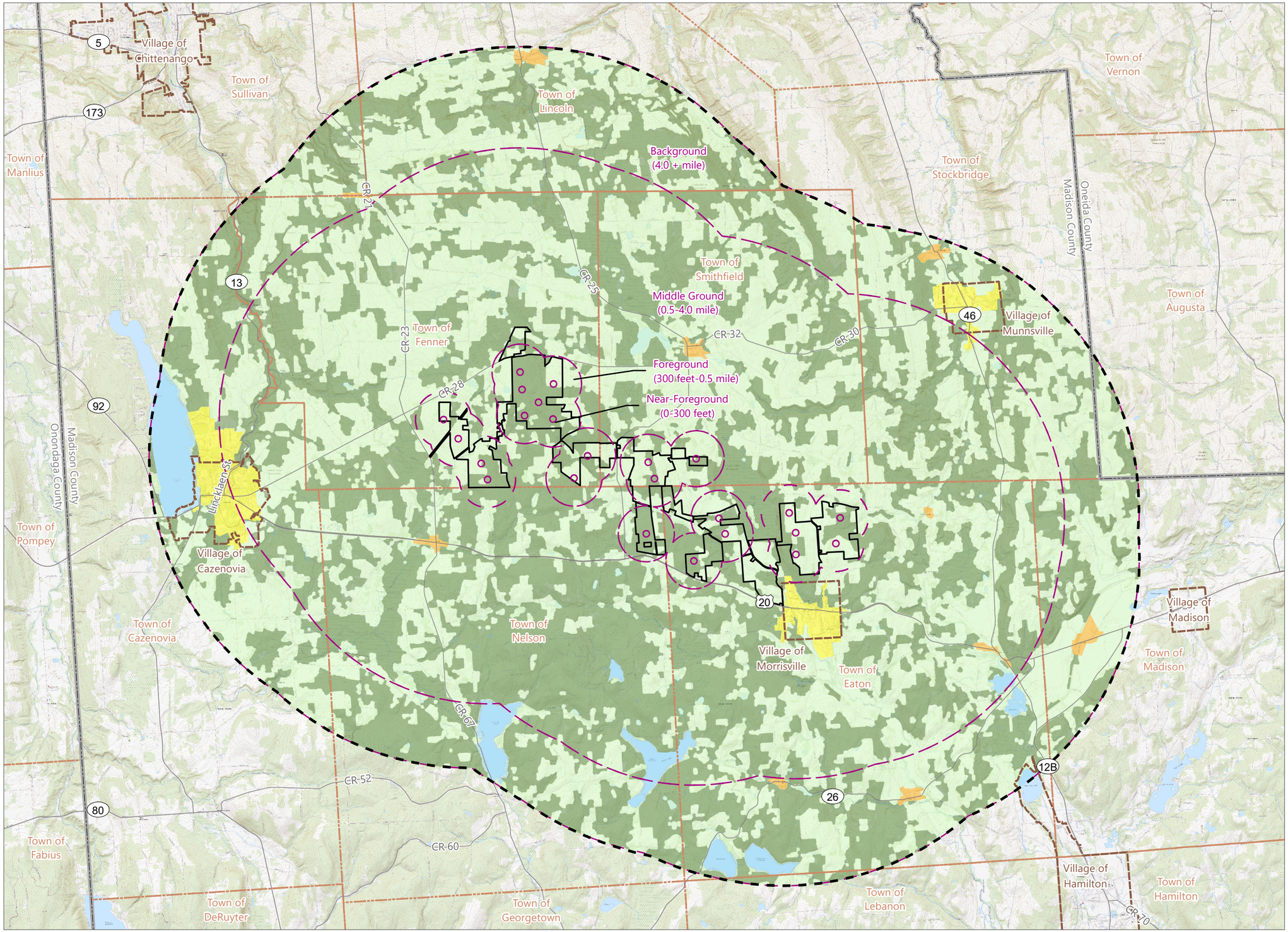
Defining distinct Landscape Similarity Zones (LSZs) within a given study area provides a useful framework for the analysis of a project's potential visual effects. LSZs within the VSA were defined based on the similarity of various landscape characteristics including landform, vegetation, water, and land use patterns in accordance with established visual assessment methods. The following five distinct LSZs were identified:

- **Agricultural/Rural Residential** comprises approximately 50% of the VSA and generally consists of cultivated crop land and low-density residential development backed by hedgerows and woodlots. These agricultural areas often include farm-related structures and elements such as barns, silos, and irrigation ponds along with residential structures typically positioned along county and local roads. The Fenner Wind Farm and Munnsville Wind Project turbines are also primarily located within this LSZ and are common elements in foreground, middle ground and background views. Views from within the Rural Residential/Agricultural LSZ generally include an open foreground of agricultural fields backed by woodlots and hedgerows. In some directions, undulating topography can enclose distant views or block visibility of the middle ground, while in other directions long-distance views open to rolling hilltops in the VSA and beyond.
- **Forest LSZ** comprises approximately 45% of the VSA and includes a mix of upland forest and forested wetlands. Outward views that occur in this LSZ typically offer a narrow field of view, tightly framed by trees, such as views along roadway corridors lined with trees. Available long-distance outward views are largely limited to views looking out from forested slopes adjacent to open agricultural fields or yards, but these views diminish when viewed from further within the forest.
- **Open Water** comprises approximately 2.0% of the VSA and consists of broad expanses of open water and directly adjacent land with views of the water body. Land use includes water-based recreation on the water bodies themselves and year-round and seasonal residences along their shores. This LSZ occurs in conjunction with water bodies of various sizes including Stoney Pond in Stoney Pond State Forest, Tuscarora Lake, and Cazenovia Lake. Expansive views are typically available across the lake, but long-distance views across the landscape can be limited by waterfront structures and the densely forested, hilly nature of the land surrounding these water bodies.
- **Village** comprises approximately 1.7% of the VSA and consists of portions of the Villages of Cazenovia, Morrisville, and Munnsville and is characterized by medium to high density residential and commercial development situated along an organized street network with a distinct, walkable commercial center surrounded by small lot residential development and lower density residential development primarily limited to the periphery of this LSZ. Views from within the Village LSZ generally include roadways and/or walkways tightly lined with mature trees and structures. Outward views from this LSZ are typically limited to roadway corridors tightly framed by foreground structures or when abutting open agricultural land and often include long-distance glimpses of background hills.
- **Hamlet** comprises approximately 0.5% of the VSA and consists of small clusters of development in a rural setting typically surrounding a county highway intersection. Land use is predominantly

comprised of medium density residential with well-maintained yards and occasional commercial or municipal structures. The Gerrit Smith Estate National Historic Landmark is also located in this LSZ where a central green and the National Abolition Hall of Fame and Museum are prominent features. Topography is generally level and long-distance views are typically limited by foreground structures and trees. Outward views may be available in areas where the Hamlet LSZ abuts open agricultural land or along roadway corridors.

LSZs for each viewpoint can be reviewed in the following map and are also noted on the context sheet of the photosimulations.

Figure 1. Landscape Similarity Zones and Distance Zones



Hoffman Falls Wind Project

Towns of Eaton, Fenner, Nelson, and Smithfield, Madison County, New York

Visual Outreach

Landscape Similarity Zone

- Agricultural/Rural Residential
- Forest
- Hamlet
- Village
- Water
- Visual Distance Zone
- Facility Site
- Visual Study Area

0 0.5 1 2

Miles

Prepared December 14, 2023

Basemap: Esri "USGS Topo" map service

EDR

2.3 Viewer/User Groups

Three Categories of viewer/user groups were identified within the VSA. These include the following:

- **Local Residents:** this viewer/user group includes those who live and work within the VSA. These individuals generally view the landscape from their yards, homes, local roads, schools, and places of employment. Residents' sensitivity to visual quality is variable. However, it is assumed that residents may be very sensitive to changes in views from their homes, yards, and local communities.

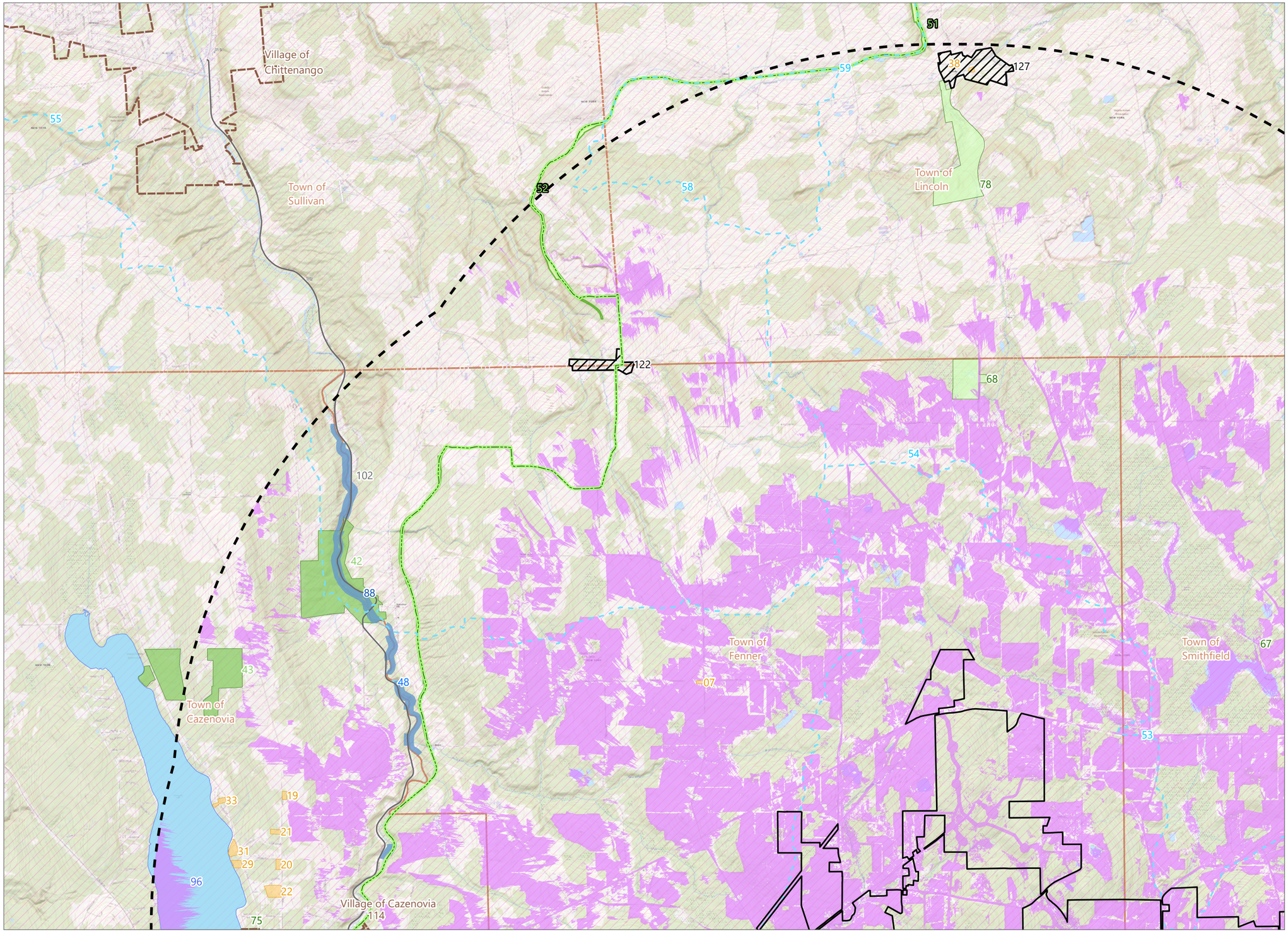
- **Through-Travelers:** Travelers passing through the area view the landscape from motor vehicles on their way to work or other destinations. These viewers are typically moving, have a relatively narrow field of view, and are destination oriented. Travelers' sensitivity to visual quality is variable. However, it is assumed that local commuters may be sensitive to changes in views of areas that they travel through on a regular basis, while those traveling to and from more distant locations will generally be less aware and less concerned about visible changes to the landscape.

- **Tourists/Recreational Users:** Tourists and recreational users include residents as well as out-of-town visitors involved in recreational activities at locations such as biking, sightseeing, picnicking, kayaking, snowmobiling, or cross-country skiing. Tourists and recreational users will often have continuous but changing views of landscape features over relatively long periods of time. Visual quality may or may not be an important part of the recreational activities for these viewers. However, for many, scenery will serve to at least enhance their recreational experience.

2.4 Visually Sensitive Resources

Visually Sensitive Resources (VSRs) within the VSA were identified within the 5-mile VSA in accordance with guidance provided by New York State Department of Environmental Conservation (NYSDEC) Program Policy DEP-00-2 *Assessing and Mitigating Visual Impacts* (NYSDEC, 2019) and the requirements of Section 94-c. In addition, EDR identified other resources that could be considered visually sensitive based on the type or intensity of use they receive. The categories of VSRs typically addressed in this VIA includes properties of historic significance, designated scenic resources, public lands and recreational resources, and high-use public areas, and Native American lands. Any VSR that is in close proximity to a viewpoint will be noted on the context sheet of the simulations. Figure 2 includes the locations of VSRs identified within the VSA.

Figure 2. Visually Sensitive Resources and Viewshed

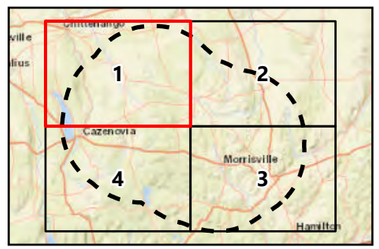


Hoffman Falls Wind Project

Towns of Eaton, Fenner, Nelson, and Smithfield, Madison County, New York

Visual Outreach

- Snowmobile Trail
- National Scenic Trail
- State, US, and Interstate Highway
- Site Listed on National or State Registers of Historic Places
- State Fishing Waterway Access Site
- River and Stream with Public Fishing Rights Easement
- State Trail
- State Park
- Local Park and Recreation Area
- Named Lake, Pond, and Reservoir
- Erie Canalway National Heritage Corridor
- Hamlet
- Village Boundary
- Potential Turbine Blade Tip Visibility
- Facility Site
- Visual Study Area



0 0.25 0.5 1

Miles

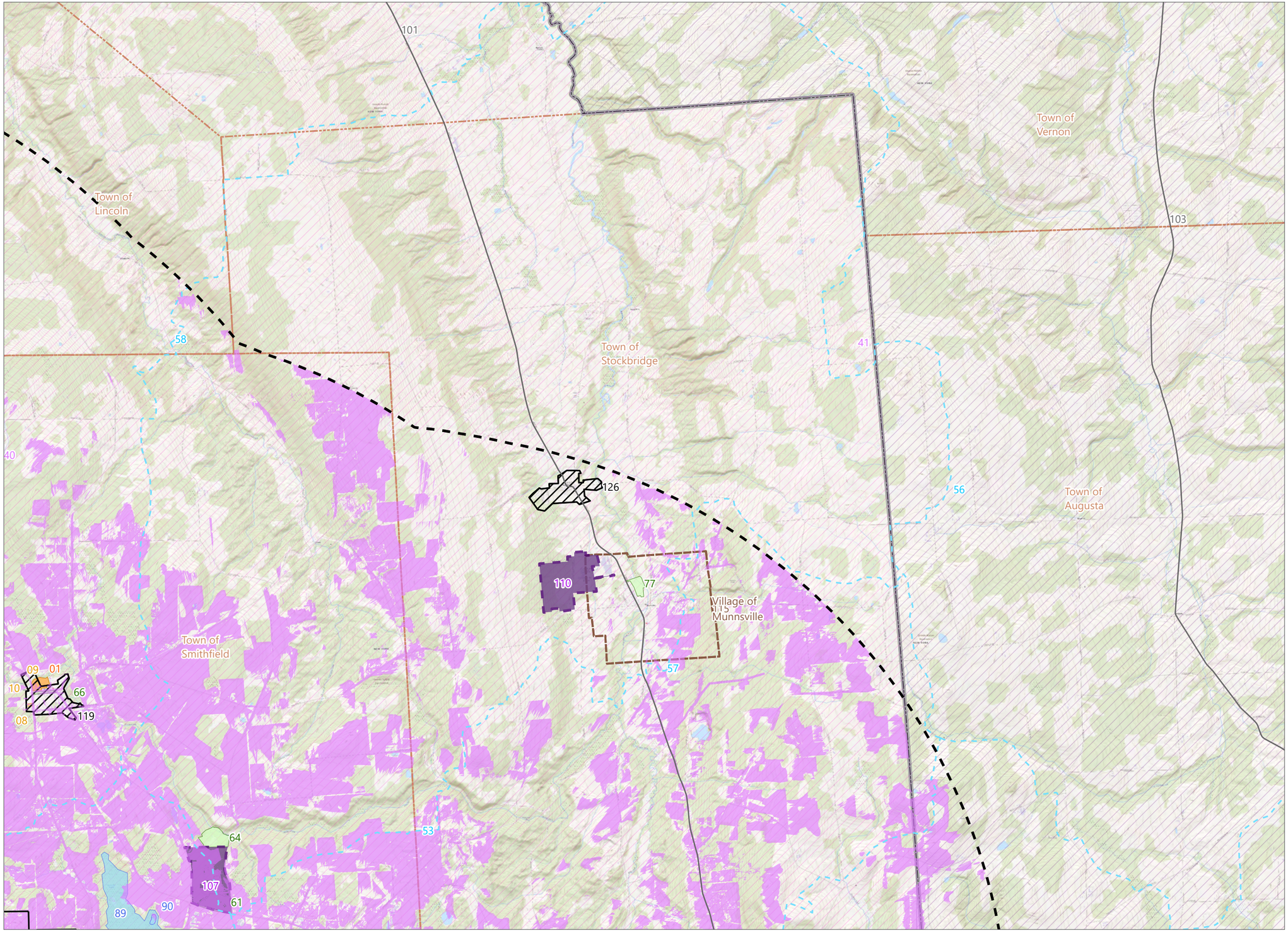
Prepared October 3, 2023

Basemap: Esri "USGS Topo" map service

Note: Potential turbine blade tip viewshed visibility is based on the screening effects of topography, vegetation, and structures as represented in 2019 FEMA, 2016/17 FEMA, and 2015 NYSGPO lidar data and a maximum blade tip height of 677.5 feet.

EDR

Figure 2. Visually Sensitive Resources and Viewshed

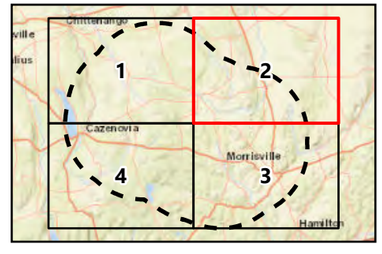


Hoffman Falls Wind Project

Towns of Eaton, Fenner, Nelson, and Smithfield, Madison County, New York

Visual Outreach

- Snowmobile Trail
- State, US, and Interstate Highway
- School
- Site Listed on National or State Registers of Historic Places
- National Historic Landmark
- Local Park and Recreation Area
- Named Lake, Pond, and Reservoir
- Erie Canalway National Heritage Corridor
- Mohawk Valley State Heritage Area
- Hamlet
- Village Boundary
- Potential Turbine Blade Tip Visibility
- Facility Site
- Visual Study Area



0 0.25 0.5 1

Miles

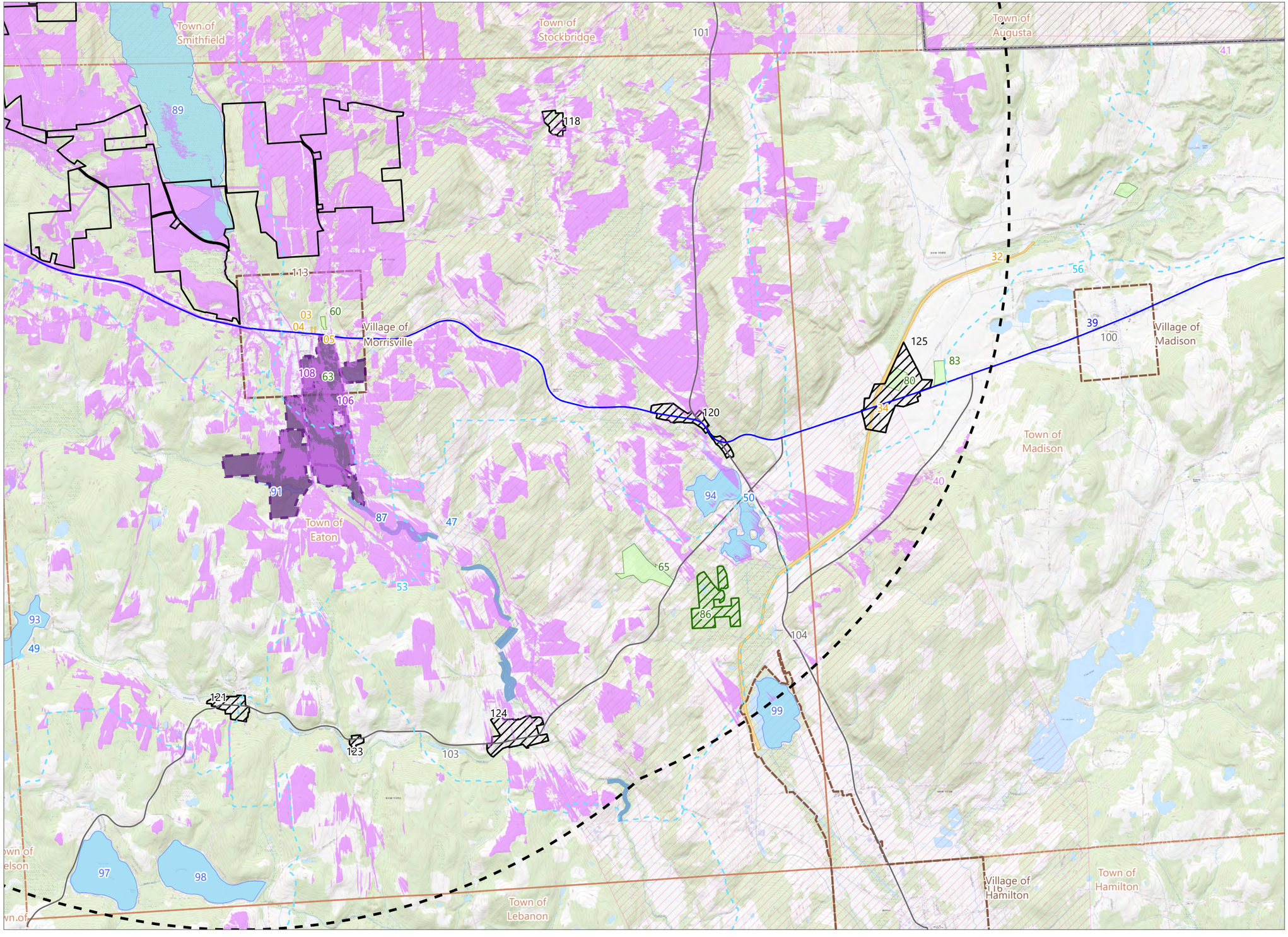
Prepared October 3, 2023

Basemap: Esri "USGS Topo" map service

Note: Potential turbine blade tip viewshed visibility is based on the screening effects of topography, vegetation, and structures as represented in 2019 FEMA, 2016/17 FEMA, and 2015 NYSGPO lidar data and a maximum blade tip height of 677.5 feet.

EDR

Figure 2. Visually Sensitive Resources and Viewshed

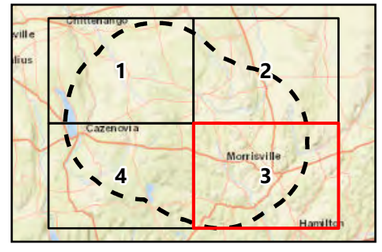


Hoffman Falls Wind Project

Towns of Eaton, Fenner, Nelson, and Smithfield, Madison County, New York

Visual Outreach

- Snowmobile Trail
- Site, Area, Lake, Reservoir or Highway Designated or Eligible for Designation as Scenic
- State, US, and Interstate Highway
- School
- Site Listed on National or State Registers of Historic Places
- State Fishing Waterway Access Site
- River and Stream with Public Fishing Rights Easement
- Publicly Accessible Conservation Land Easement
- Local Park and Recreation Area
- Named Lake, Pond, and Reservoir
- Erie Canalway National Heritage Corridor
- Mohawk Valley State Heritage Area
- Hamlet
- Village Boundary
- Potential Turbine Blade Tip Visibility
- Facility Site
- Visual Study Area



0 0.25 0.5 1

Miles

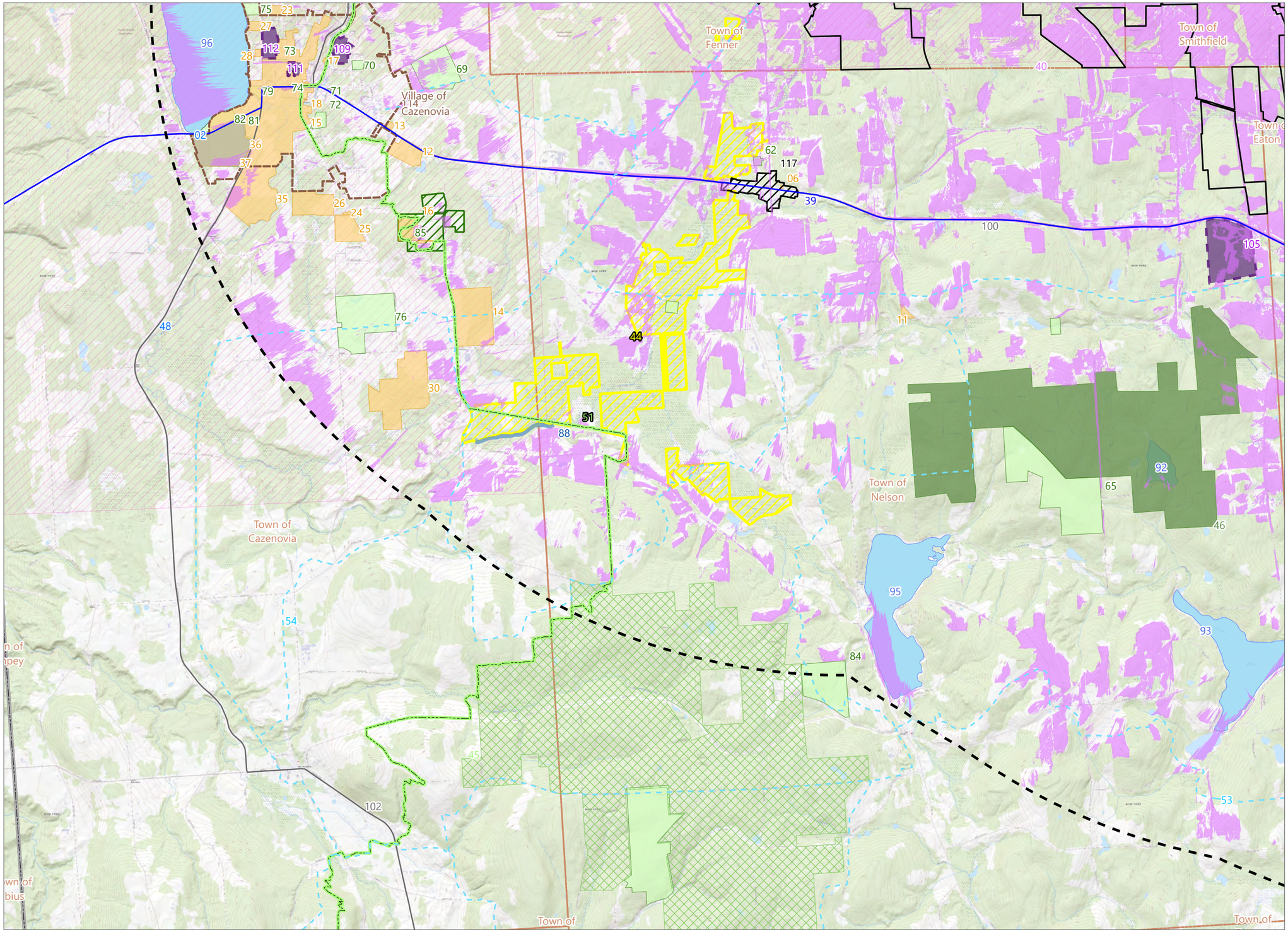
Prepared October 3, 2023

Basemap: Esri "USGS Topo" map service

Note: Potential turbine blade tip viewshed visibility is based on the screening effects of topography, vegetation, and structures as represented in 2019 FEMA, 2016/17 FEMA, and 2015 NYSGPO lidar data and a maximum blade tip height of 677.5 feet.

EDR

Figure 2. Visually Sensitive Resources and Viewshed

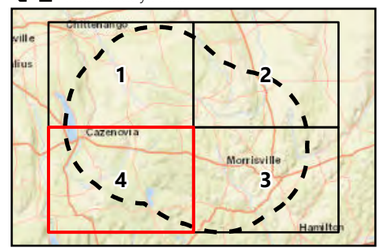


Hoffman Falls Wind Project

Towns of Eaton, Fenner, Nelson, and Smithfield, Madison County, New York

Visual Outreach

- Snowmobile Trail
- National Scenic Trail
- Site, Area, Lake, Reservoir or Highway Designated or Eligible for Designation as Scenic
- State, US, and Interstate Highway
- School
- Site Listed on National or State Registers of Historic Places
- National Historic Site
- State Fishing Waterway Access Site
- River and Stream with Public Fishing Rights Easement
- Publicly Accessible Conservation Land Easement
- Wildlife Management Area & Game Refuge
- State Forest
- Local Park and Recreation Area
- State Unique Area
- Named Lake, Pond, and Reservoir
- Erie Canalway National Heritage Corridor
- Hamlet
- Village Boundary
- Potential Turbine Blade Tip Visibility
- Facility Site
- Visual Study Area



0 0.25 0.5 1

Miles

Prepared October 3, 2023

Basemap: Esri "USGS Topo" map service

Note: Potential turbine blade tip viewshed visibility is based on the screening effects of topography, vegetation, and structures as represented in 2019 FEMA, 2016/17 FEMA, and 2015 NYSGPO lidar data and a maximum blade tip height of 677.5 feet.

EDR

3.0 CONTRAST RATING INSTRUCTIONS

Included in your materials are the photosimulations and context sheets (Attachment 1) and Visual Contrast Rating Forms (Attachment 2). A total of 2 sheets are included in the visual contrast rating form PDF (two for each viewpoint). The viewpoint number, viewpoint location, and landscape similarity zone has been populated on each sheet. Additional information on completing each section of the contrast rating form is described below.

3.1 Viewpoint Sensitivity

3.1.1 Scenic Quality

Please rate the scenic quality of the existing view without the Facility components in place as low, medium, or high. An undeveloped landscape containing a variety of landscape features at different distances from the viewer or a landscape containing one or more aesthetically important structures or VSRs may be of higher scenic quality than a landscape that appears monotonous or is already impacted by infrastructure or industrial facilities. Note that designation as a scenic or recreational resource is an indication that there is broad public consensus on the scenic value of that particular resource. The particular characteristics of the resource(s) that contribute to its scenic or recreational value provide guidance in evaluating a Project's visual impact on that resource. However, the scenic quality rating you assign should be based on your individual judgment and should incorporate the basic principles of line, form, color, and texture as well as any regulatory protections.

3.1.2 Viewer Exposure

Some views are seen as quick glimpses while driving along a roadway or hiking a trail, while others are seen for a more prolonged period of time. Longer duration views of a project, especially from significant aesthetic resources, have the greatest potential for visual impact based on the Viewer Type, LSZ, nearby land uses, and other information provided on the simulation context sheets.

Please rate the viewer exposure that you expect for each view based upon frequency (how often a viewer will have exposure of the view) and duration of views (amount of time a view will be available). Please indicate whether the potential frequency of views is continuous (long duration) or brief (short duration), and whether the potential duration of views is repeated/regular (such as from principal transportation routes used regularly) or rare (such as viewpoints that are clearly off the beaten track and/or represent small areas of narrow visibility in otherwise completely screened areas). Pay particular attention to nearby residential dwellings.

3.2 Existing View Description

Please describe the existing conditions view in your own words using concepts and terminology described below, focusing on the following visual design elements and visibility factors:

- *Form, Line, Color, and Texture*: These are the four major compositional elements that define the perceived visual character of a landscape, as well as a project. Form refers to the shape of an object that appears unified; often defined by edge, outline, and surrounding space. Line refers to the path the eye follows when perceiving abrupt changes in form, color, or texture and is usually evident as the edges of shapes or masses in the landscape. Texture in this context refers to the visual surface characteristics of an object. The extent to which form, line, color, and texture of a project are similar to, or contrast with, these same elements in the existing landscape is a primary determinant of visual impact.
- *Landscape Composition:* The arrangement of objects and voids in the landscape that can be categorized by their spatial arrangement. Basic landscape components include vegetation, landform, water and sky. Some landscape compositions, especially those that are distinctly focal, enclosed, detailed, or feature-oriented, are more vulnerable to modification than panoramic, canopied, or ephemeral landscapes.
- *Focal Point*: Certain natural or man-made landscape features stand out and are particularly noticeable as a result of their physical characteristics. Focal points often contrast with their surroundings in color, form, line scale or texture, and therefore tend to draw a viewer's attention. Examples include prominent trees, mountains, and water features. Cultural features, such as a distinctive barn or steeple can also be focal points. If possible, a proposed project should not be sited so as to obscure or compete with important existing focal points in the landscape.
- *Order*: Natural landscapes have an underlying order determined by natural processes. Cultural landscapes exhibit order by displaying traditional or logical patterns of land use/development. Elements in the landscape that are inconsistent with this natural order may detract from scenic quality. When a new project is introduced to the landscape, intactness and order are maintained through the repetition of the forms, lines, colors, and textures existing in the surrounding built or natural environment.
- *Scenic or Recreational Value*: Designation as a scenic or recreational resource is an indication that there is broad public consensus on the value of that particular resource. The particular characteristics of the resource that contribute to its scenic or recreational value provide guidance in evaluating a project's visual impact on that resource.
- *Duration of View*: Some views are seen as quick glimpses while driving along a roadway or hiking a trail, while others are seen for a more prolonged period of time. Longer duration views of a project, especially from significant scenic resources, have the greatest potential for visual impact.
- *Atmospheric Conditions*: Clouds, precipitation, haze, and other ambient air-related conditions, which affect the visibility of an object or objects. These conditions can temporarily impact the visibility and contrast of landscape and project components, and the design elements of form, line, color, texture, and scale.
- *Lighting Direction*: Backlighting refers to a viewing situation in which sunlight is coming toward the observer from behind a feature or elements in a scene. Front lighting refers to a situation where the light source is coming from behind the observer and falling directly upon the area being viewed.

Side lighting refers to a viewing situation in which sunlight is coming from the side of the observer to a feature or elements in a scene. Lighting direction will affect the perceived color of the wind turbines and other Facility components and can have a significant effect on the visibility and contrast of landscape and project elements.

- *Project Scale*: The apparent size of a proposed project in relation to its surroundings can define the compatibility of its scale within the existing landscape. Perception of project scale is likely to vary depending on the distance from which it is seen and other contextual factors.
- *Spatial Dominance*: The degree to which an object or landscape element occupies space in a landscape, and thus dominates landscape composition from a particular viewpoint.
- *Visual Clutter*: Numerous unrelated built elements occurring within a view can create visual clutter, which adversely impacts scenic quality.
- *Movement*: Wind turbine blades are typically rotating around a single axis at the turbine hub. This rotation can draw and hold viewer attention in otherwise static landscapes. When completing the contrast rating, consider how turbine rotor movement may influence contrast with landscape features. Additionally, consider how movement in visible shadows may influence contrast as the shadows move across the landscape.

3.3 Contrast Rating Table

Please rate the level of contrast that you perceive between the existing landscape (as they appear in each photo) and the landscape with the proposed Facility (based on the installation photosimulation) for each landscape component. The landscape components include landform, vegetation, land use, water, sky, and viewer activity. If a particular landscape component is not part of the view (i.e., there is no discernable water bodies), please note "N/A" in the rating score field. Please provide a numerical contrast rating between 0 and 4 for each landscape component, where:

0 = Insignificant/None

1 = Minimal

2 = Moderate

3 = Appreciable

4 = Strong

Please make use of 0.5 increments to allow for more accurate ratings (e.g., 2.5 = Moderate to Appreciable Contrast). Please also describe in your own words (and using terminology identified in Section 3.3) the factors that contribute to, or affect, the proposed Facility's degree of contrast with each landscape component. Please consider the following for each landscape component:

Landform: Please consider the effect of the proposed Facility relative to the appearance of the landform/topography, the edge of the line, the strength and range of color, the density of relief, the space as defined by the landform, and its perceived scale.

Vegetation: Please consider the effect of the proposed Facility relative to the form(s) and variety of vegetation, the edge of its lines, the range of color, the density of texture, space as defined by the vegetation, and the vegetation's hierarchy/diversity of scale.

Land Use: Please consider the effect of the proposed Facility relative to the appearance of identifiable land use(s) in the view and evaluate the degree to which the project is compatible with the appearance of those land use(s).

Water: Please consider the effect of the proposed Facility relative to the appearance of water features in terms of the shape of the water body(ies), edges of its (their) lines, clarity of color, texture (which refers here to evidence of movement) degree of enclosure around the feature(s); and the scale or extent of water in the view.

Sky: Please consider the effect of the proposed Facility relative to the appearance of the sky in terms of its expanse (i.e., degree of openness or enclosure, and the scale, or extent of the sky in the view), integrity of horizon line, and color (including the appearance of clouds).

Viewer Activity: Please consider the effect of the proposed Facility on likely viewer activity at the selected viewpoint, including the viewer's perception/appreciation of scenic quality and potential enjoyment of the view, taking into account the viewpoint location and context, viewer type, and viewer exposure.

3.4 Perceived Variability

3.4.1 Variable Factors That May Have Influenced Contrast Rating

Please described any conditions, based on what is visible in the photographs, that, if different, could influence the perceived degree of contrast between the proposed Facility and the existing features of the landscape (atmospheric condition, seasonal changes, etc.).

3.4.2 Perceived Effect on Scenic Quality and Viewer Enjoyment

Please summarize your evaluation of the proposed Facility's overall effect on the appearance of the selected view, taking into account the viewpoint location and context, sensitivity, scenic quality viewer type, and viewer exposure.

Viewer/user groups for each viewpoint will be noted on the context sheet of the simulations. If you feel that this designation is incorrect, please also note the most likely viewer/user group(s) based upon the location and context of the view. More than one viewer type may be present at a given location.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 12/29/2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 3
VIEWPOINT LOCATION: E Mile Strip Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*

☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☑ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

This expansive view looks across a series of open green grass fields, divided by heavily shadowed hedge rows. The topography sweeps gently down away from the viewer, with slight undulation. A pond is just barely visible through a stand of trees at the bottom of the hill, image center-right. In the distance the fields stop at the edge of a forest that begins to climb up an equally gentle slope, fading into the distant haze. The quilted patchwork of agricultural land can be seen mixed into the forested hillside. An occasional house or farm can be see throughout the view. At image right a utility pole at the foreground stretches up into the clear blue sky. Along the distant horizon line the blue sky becomes more pale. At the right of the image, beyond the utility pole, the horizon line is adorned with a dozen or so wind turbines. The tips of the turbine blades just barley touch the vegetated horizon line.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	1	Given the distance to the turbines, limited additional depth is alluded to. Only one turbine indicates a drop in topography beyond the horizon line.
Vegetation	0.5	A few turbines sit ahead of the horizon line, their white stalks are accentuate by the green backdrop.
Land Use	2	A very pastoral view becomes inundated with wind turbines across the entire horizon. This rating would be higher, if no previous turbine existed.
Water	0	No contrast
Sky	2.5	The stillness of this vast view will be busied with the constant turning of the turbines blades.
Viewer Activity	2	The number of turbines now fill the full length of the horizon line and will become the main draw of the viewers focus. The view is constant to local residence. The viewership is limited.
Total	8	*Total all scores above*
Average	1.3	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 3

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

Atmospheric haze may have obscured and lowered contrast ratings while simultaneously increase depth of the view. Snow covered conditions may greatly impact contrast ratings at this scale. The orientation of the turbine heads and angle of the sun will also play a large role in their visibility.

Perceived effect on scenic quality/viewer enjoyment:

The overall scale of the installation will impact the viewers experience of place. While turbines are currently present in this view, there are options for the users attention to focus elsewhere. The additional turbines will create a busyness or type of visual clutter along the otherwise still horizon line.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 12/29/2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 14
VIEWPOINT LOCATION: NYS Route 46
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*

☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

Looking out over the guide rail, the viewer is above the trees. One large tree stretches up from below view, into the sky in the foreground. The viewer looks across the valley to forest covered hillsides. The topography is undulating and a series of horizon lines and shapes can be distinguished by the increased haziness. A steep bare-soil slope can be seen amongst the trees image right, one of the few distinguishing features. A few grass/meadow farm fields can be seen on the distant hillside, just beyond the tree, image left. The horizon line is fairly flat and forested, except for one small open field along the crest of the hill, image left.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	0.5	limited depth of field is added by turbines beyond the horizon line.
Vegetation	0.5	only one turbine sits ahead of the vegetation, which accentuates the base as it meets the ground.
Land Use	2	The original view has a very remote feel that is reduced by the presence of turbines across the entirety of the horizon line within this view.
Water	N/A	
Sky	2	The entire horizon line is inundated with turbines. The movement of the blades is bifurcated by the horizon line on several turbines.
Viewer Activity	2	This is a prolonged view along route 46 for any commuter. The stillness of the scene is replaced with the movement of the blades. This is a new focal point along the horizon.
Total	7	*Total all scores above*
Average	1.4	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 14

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

Atmospheric haze and the angle of the turbine could reduce the contrast in the simulated view. Snow covered conditions could also affect contrast ratings.

Perceived effect on scenic quality/viewer enjoyment:

This is a prolonged view for local residences as well as commuters along this route. The angle of the viewer to the turbine blades is eschewed, this along with the distance reduces the overall impact. However, viewers now have the added distraction of movement along the horizon line.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 12/28/2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 18
VIEWPOINT LOCATION: Gill Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*

☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☑ Rare	☑ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

A corn field at the foreground of the image takes up the bottom third of the view. Beyond the corn a sliver of mowed grass is just barely visible in front of a dense boarder of evergreen trees. The topography beyond the evergreens rises gently, a mile or two into the distance. A few green fields are encompassed by a mix of evergreen and deciduous forest on the hillside. The trees create a textured horizon line between the landform and sky. A second horizon line, farther in the distance (as determined by the slight atmospheric haze) blends into our primary horizon line, image right. The view offers no distinct focal point. An antenna on this horizon line, is a faint gray line against the haze, where blue sky meets the horizon.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	1.5	The wind turbines protrude from beyond our two horizon lines, extending the depth of the view beyond the visible landform an additional 4 miles.
Vegetation	1	There is a slight increase in contrast of white wind turbines against darker green of evergreen trees. Additionally the towering height of the wind turbines dwarfs the vegetation below.
Land Use	1.5	The new infrastructure punctuates the full breadth of the horizon line within view.
Water	N/A	
Sky	2	A nearly flat horizon line is now cluttered with overlapping turbines. The static view becomes activated by spinning blades. Blades will dip below the horizon line adding to the busyness of the view.
Viewer Activity	1.5	While the movement of blades will attract more attention than the existing static view, the number of turbines take the focus away from any individual turbine. The overall character of the view remains intact with an increase in visual clutter.
Total	7.5	*Total all scores above*
Average	1.5	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 18

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

A clearer day may further flatten the view while increasing the contrast of the turbines, photo right, as well as the shadow of the blades. A cloudy day or snow covered view may decrease the contrast and allow the turbines to fade more into the background. The time of day could also increase glare or shadow occurring on the turbines.

Perceived effect on scenic quality/viewer enjoyment:

Most viewers are local residents or those commuting to or attending the Morrisville Jr/Sr High School. The increased activity could be perceived as a welcome distraction or a constant agitation. While the addition of the turbines to the sky will have an impact on it's viewers, it is anticipated that that impact would be low given the distance to the nearest turbine.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 12/29/2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 23
VIEWPOINT LOCATION: Stone Bridge Road
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*

☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☑ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☑ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

Roadside goldenrod blooms above the muted colors of a late summer meadow, surrounded by the green of mowed agricultural fields. A barn sits in the mid ground, additional farm structures spill out of the frame, image right. Beyond the farm the green field rises to the edge of a wood-line a few hundred feet away. The hillside beyond the farm and meadows is covered in trees. The horizon line raises gently to the right of the image. A sliver of grass can be seen within an opening in the mass of forest. A utility pole at the road side, sits in front of the view of the barn and reaches up just past the horizon of trees, into the clear blue sky. Utility lines are visible, exiting image left.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	0.5	The turbines location, in alignment with the utility pole makes the topographic change seem greater but the overall character remains.
Vegetation	1.5	The addition of the large antenna at the center of the image eludes to the grass field out of view being larger than what is visible. Trees are dwarfed by comparison to the turbines.
Land Use	2.5	The pastoral farm character of the view is overshadowed by the proximity of the turbines. Turbines will be visible on both sides of the road.
Water	N/A	
Sky	3	The antenna and turbines undeniably become the new focal points of this view. The horizon line is cluttered as vertical elements fight with horizontal lines in the view.
Viewer Activity	2.5	Viewership is low for this location, but this is a prolonged view for residence with turbines visible in 3 directions.
Total	10	*Total all scores above*
Average	2	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 23

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The farm structures spilling out of the image creates a visual clutter that could decrease the overall scenic quality.

Perceived effect on scenic quality/viewer enjoyment:

The viewer is surrounded by turbines from this location. The proximity is overbearing.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 12/28/2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 36
VIEWPOINT LOCATION: Madison Road
LANDSCAPE SIMILARITY ZONE: Village

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*

☑ Low ☐ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

The highly manicured lawn of a baseball field stretches out from the viewer to the middle of the frame. The field is truncated by a formal line of evenly spaced ornamental trees along the edge of a parking lot. The parking lot sits ahead of a historic looking red brick building (the Morrisville-Eaton Elementary School) with a flagpole, numerous chimney stacks and a central white cupola. The landscape beyond rises up to create a slight bow at the center of the view. The cupola reaches up into this vegetated backdrop but does not reach the sky. A playground, image right, sits in a larger paved area, partially fenced. At the extreme right the taller gray playground fence meets the shorter black chain link fence surrounding the athletic complex. Beyond a few houses peek out through the vegetation. A red brick smoke stack reaches into the sky amidst this vegetated area. The filed lights of the athletic complex project clear of the horizon line into the blue sky.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	1.5	The turbines pop up from beyond the horizon line revealing changes in the topography the viewer cannot see otherwise. The viewer has no context or visual cues in which to place the turbines, all of which seem to be the same scale and therefore on their own plane at varying elevations, creating a disorienting effect.
Vegetation	1	The turbines scale dwarfs the surrounding vegetation. The soft texture of the horizon line is now punctured.
Land Use	1	The idea of the horizon-line forest extending beyond view, is interrupted by the turbines.
Water	N/A	
Sky	2	A few turbines' blades extend below the horizon line creating a disembodied effect and adding to the visual clutter. The turbines are competing with the visual focal point of the cupola.
Viewer Activity	2	The movement of blades will attract more attention than the existing static view. The turbines may detract from the focal point of the cupola or the attention on the game/athletic event occurring.
Total	7.5	*Total all scores above*
Average	1.5	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 36

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

Overcast skies or a snow covered view in leaf-off conditions may decrease the contrast and allow the turbines to fade more into the background. The time of day could also increase glare or shadow occurring on the turbines. Visual clutter throughout the mid ground of the view (fences, light poles, signs, cars, etc) could lower the initial scenic quality rating.

Perceived effect on scenic quality/viewer enjoyment:

Most viewers at this location would be college students and staff, along with those in the community using the recreation center and other facilities. The area is visually cluttered with fences, buildings, drives, parking, walk ways, vegetation and signage. Athletic events would focus spectators in a more east-west orientation. While the movement of the blades may be slightly distracting, minimal effect is anticipated on viewer enjoyment.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 12/28/2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 40
VIEWPOINT LOCATION: US Route 20
LANDSCAPE SIMILARITY ZONE: Agricultural/ Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*

☑ Low ☐ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☑ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

The viewer is facing north west, from the median of a 4 lane road (NYS Route 20). The median is mowed, a reflector sits in the foreground along it's edge. Across the two lanes, a grass lawn disappears into the shadows below several large deciduous trees, image right. As the view continues left, the roadside vegetation becomes overgrown. The topography drops away creating the first horizon line. Beyond the road reappears and begins to bend to the left, out of view, as the topography rise back up. The trees line either side of the road and truncate the view as the road bends. Above the trees the sky is blue with a sprinkle of little white clouds.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	0.5	One of the two turbines emerges from beyond the horizon line. The alignment of the two turbines further accentuates the alignment of the road.
Vegetation	1	The turbines dwarf the scale of the vegetation below and provide a higher contrast to the dense green vegetation.
Land Use	1	A scenic highway view is branched out into it's forested surroundings by the turbines, both the highway and the turbines have no other context in this view.
Water	N/A	
Sky	1.5	The turbines compete with the bend in the road for the focal point of the view. While the sky is only a third of the view, the turbines accentuate it's depth.
Viewer Activity	0.5	Generally a route for commuters, the turbines accentuate the line of that journey and and seem in harmony with the limited context.
Total	4.5	*Total all scores above*
Average	0.9	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 40

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

A cloudy sky or winter view may decrease the contrast and allow the turbines to fade slightly into the background. The time of day could also increase/decrease glare or shadow occurring on the turbines.

Perceived effect on scenic quality/viewer enjoyment:

Given the limited context to the 4 lane road, little effect on scenic quality or enjoyment is anticipated.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 12/28/2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 41
VIEWPOINT LOCATION: Bliss Road
LANDSCAPE SIMILARITY ZONE: Agricultural/ Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☑ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☐ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

Overgrown road side perennial vegetation obscures an open field that drops away from the viewer, in the foreground. The field ends a few hundred feet from the roads edge, at a mixed evergreen and deciduous forest. A few dead trees provide more depth, color and texture to the view. As the topography rises, a roof is made barely visible in the vegetation. The horizon line is flat with a slight drop from left to right. At image right a more distant horizon line (identified by the atmospheric haze) aligns with and is an extension to the mid ground. The sky is blue with a slight haze at it approaches the tree tops.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	1	Turbines emerging from beyond the horizon line, increase the depth from what is otherwise visible.
Vegetation	1.5	The first turbine, at only a half a mile away, allows the viewer to take in the scale of the shaft and diminishes the surrounding vegetation as it disappears behind the horizon line.
Land Use	2	The proximity of the turbine is very present in the view.
Water	N/A	
Sky	2	Only the blades are visible from two disembodied turbines. The movement of most the blades within this view will occur within the tips of the trees adding to the visual dismorphia of the horizon line.
Viewer Activity	2	It is difficult to look beyond the foreground turbine, clearly the new focal point of the view.
Total	8.5	*Total all scores above*
Average	1.7	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 41

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

Increase atmospheric haze and winter conditions may decrease the overall contrast. The angle of the turbine head to the viewer could also affect their contrast in relationship to scale and visibility.

Perceived effect on scenic quality/viewer enjoyment:

The constant movement so close to the viewer and so tight to the horizon line will likely claim the viewers focus away from other view-sheds from this point. Local residents enjoyment may be moderately impacted. However, only 5 residences are serviced by this stretch of road, so there is a limited viewership.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 12/29/2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 42
VIEWPOINT LOCATION: Agricultural / Rural Residential
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☑ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

A grass meadow stretches gently up away from the viewer a few hundred feet, taking up the bottom third of the image. The tops of trees and other vegetation pop up from beyond the horizon line, creating a thin line along the horizon. Beyond, a second grass meadow rises slightly above the first horizon line, with additional sparse rows of vegetation. A few leafless trees reach into the clear blue sky. One larger specimen, image right reached to the top third of the image. The horizon line is mostly a thin vegetated line, rising slightly image right, where a small section of grass meets the blue sky.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	0.5	Turbines do not suggest much variation in the topography beyond the horizon line.
Vegetation	1.5	Turbines, dwarf horizon line vegetation but seem in scale with the views one specimen tree. Turbines compete for dominance of the focal point and are an additional contrast in color to the vegetation.
Land Use	2	What feels like an otherwise pastoral view is now surrounded 360 degrees, with views of turbines.
Water	N/A	
Sky	2	The open expanse of sky is interrupted throughout the 360 degree view from this location. Blade movement along the horizon line will increase distraction from an otherwise still view.
Viewer Activity	2	While this route is not a major through/commuter road, this is a prolonged view for a handful of rural farm houses. The scale and movement of the blades will be a new focal point of views in all directions.
Total	8	*Total all scores above*
Average	1.6	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 42

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

Orientation of the turbine blades to viewer will influence the perception of scale. Seasonal and atmospheric conditions may change level of contrast of turbines against a overcast sky or snow covered conditions.

Perceived effect on scenic quality/viewer enjoyment:

Given the proximity and that additional turbines will be visible in other direction there will be an impact in user enjoyment and the overall quality of the view will be busied by the continuous movement in this panoramic setting.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 12/29/2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 45
VIEWPOINT LOCATION: Nicoles Pond Road
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☑ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

A roadside drainage ditch with overgrown perennial vegetation speperates the viewer from a grass field that rises gently a few hundred yards into the distance where it meets forests and hedgerows. A blue roof meets the edge of the frame, image left, tucked into a forested area along with another small barn structure. From beyond the barn, power lines bisect the vegetated view, up and over the hill, image right. The next two transformer/support poles are visible, reaching out from beyond the vegetated horizon line into the sky. A series of green open fields, all suggest to be interconnected beyond the mid ground trees. The fields flow up the hills side and meet the horizon line just right of the center of the image, where two wind turbines emerge from beyond view. The horizon line is otherwise obscured by vegetation.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	1	There is a slight increase in the amount of topography beyond the horizon line that is revealed by the additional turbines.
Vegetation	1	Some of the larger mid-ground vegetation competes in scale with the turbines that emerge from behind them (image right).
Land Use	2.5	There is an definite increase in intensity. Numerous blade movements will cross one another, creating a busying effect in the view.
Water	N/A	
Sky	2.5	The focal point of the two turbines in the sky is now spread out across the horizon. Numerous blades will cross and are bisected by the ground or completely disembodied from their support. Constant movement will occur along 50% of the horizon line in this view.
Viewer Activity	2	The two turbines in the existing view help to decrease the overall contrast however, the amount of overlap and busyness created by the additional movement will have an impact on the prolonged view of local residence.
Total	9	*Total all scores above*
Average	1.8	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 45

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

Atmospheric haze paired with shadow on the turbines may have increased contrast ratings. Seasonal conditions, orientation of the blades and sun could all affect ratings.

Perceived effect on scenic quality/viewer enjoyment:

The scenic quality of this view is moderately diminished by the number of turbines, proximity between turbines and to the viewer.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 1/22/24

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 50
VIEWPOINT LOCATION: Buyea Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☑ Occasional	☑ Moderate
☐ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

A large open field rolls up the gentle hill, image left, meeting the horizon line. Here, a white wind turbine projects from beyond the crest of the hill, into the clear blue sky, its blade cross out of the top of the frame. A small cluster of vegetation just left of it's base runs out of frame, image left. As the eye travels right along the horizon line a forest climbs over the crest of the hill and gently travels down to the right, to become a backdrop to a home. In the field a few fence post are visible in front of the dark shadow at the tree line. The home sits in a mown lawn with a few sporadic crabapple trees, a swing, and a lone piece of farm equipment. A power line reaches from the sky down into the backyard of the home and appears to continue into the distant woods, up to several other homes on the hillside. The woods climb up a hill to another open field, cresting just above the foreground utility poles. A house sits on the hill top. The crest of the hill is forested and reaches back across the horizon line to enclose the open field. An antenna juts above the forest, into the clear blue sky, at the center of the image.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	0.5	Wind turbines at the right of the image reveal the drop in topography beyond the crest of the hill.
Vegetation	0.5	The reach of the wind turbines, dwarfs the vegetation below.
Land Use	3	Distant hill side home have a reduced vantage point to te turbines. The horizon line becomes filled with movement
Water	NA	
Sky	3	The horizon line becomes cluttered with the movement of turbines. Blades overlap one another as well as dip below the horizon line.
Viewer Activity	3	The turbines become the focal point of the view. Constant movement dominates the view. However, the single existing turbine is more overbearing in proximity than those newly installed.
Total	10	*Total all scores above*
Average		*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 50

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The angle of the turbines could make them more or less present in the view. Shadows from the angle of the sun to the blades, or overcast skies could lower their contrast. Existing visual clutter could have lowered initial scenic quality.

Perceived effect on scenic quality/viewer enjoyment:

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 12/29/2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 54
VIEWPOINT LOCATION: South Road
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☑ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

A lone fence post juts out of the ground ahead of a corn field that creates a relatively flat foreground, that trails down a moderate slope, image right. Here, at the edge of the frame, the dormer window of a white house is visible. The house is bisected by the frame. Tall evergreens adjacent the house connect to other trees beyond the corn field and bring the eye back across the image to a silo, emerging from the corn. This is the focal point of the view, sitting center stage. Beyond the silo a forested hillside climbs steeply to the horizon line, image left. An open green field stretches up the hillside, image right, to a forest edge. The horizon line is fully vegetated where it meets the pale blue sky, creating a slight bow at the center of the image.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	2	The moderate hillside is dwarfed by the steep view of the turbines, which reach beyond the top of the image. Additional topography beyond the horizon line is now referenced via the second turbine.
Vegetation	2	The silo had focused the eye more on the grass backdrop while the new focal point of the turbine brings the focus more into the trees, creating a greater contrast from the white turbine to the dark forest color
Land Use	3	Due to the proximity of the turbine the entire character of the rural landscape is refocused.
Water	N/A	
Sky	2.5	The vastness of the sky now feels like a pin point in relationship to the mass of the turbines, due to their proximity. The stillness of the view is overpowered by the compound view of turbines.
Viewer Activity	3.5	The new focal point of this view is undeniable. An additional turbine, to the right of the viewer is even closer than those in this view.
Total	13	*Total all scores above*
Average	2.6	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 54

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

Seasonal conditions could change contrast to vegetation. Orientation of the blades may lessen overall mass of turbines in view.

Perceived effect on scenic quality/viewer enjoyment:

The proximity and grouping of the turbines will undoubtedly steel the focus of any viewer.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 12/29/2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 58
VIEWPOINT LOCATION: Hardscrabble Road
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☑ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

The sky dominates this image. A very distant horizon line reveals topography, farm fields and vegetated areas for miles. The viewer gets lost in the distance where a large antenna is a hair, and two wind turbines are just barely discernible in the pale blue sky. As the eye moves down into the landscape, the green of the vegetation becomes clearer and more texture is detectable. The foreground is a green grass field, stretching out a few hundred feet before it drops out of view to meet the forested edge, a crisp flat chartreuse against a darker more textured background. A few dead trees' branches are visible at the edge of the field. A single fence post holding three wires sits along the side of the road just right of image center.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	1.5	Because this view is so long, the turbines have minimal effect on the perception of the topography. They do however compete for the focus which would otherwise be in the landscape. The mass of turbines, especially image right reveal even more topographic changes beyond the horizon line.
Vegetation	1	Turbines along the horizon line increase the contrast between the darkness of the vegetated mass and the white masts of the turbines themselves.
Land Use	2.5	Turbines now populate 50% of the horizon line and are much more visible then those originally present.
Water	N/A	
Sky	2	The sky is still massive in this view but there is a busyness with the addition of so many turbines. The movement of the blades will contact the horizon line as well as other turbines.
Viewer Activity	2.5	While the turbines are at a distance that allows them to become part of the background, their movement becomes a new focal point that keeps the eye moving along the horizon.
Total	9.5	*Total all scores above*
Average	1.9	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 58

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

A hazier or overcast day might further obscure the turbines in the distance. Seasonal color of fall or snow covered conditions in winter might also detract from the visibility of the turbines.

Perceived effect on scenic quality/viewer enjoyment:

At this distance the movement of the turbines may have a more peaceful or even meditative quality, they are however a new addition to the view that pull the focus away from the vastness of the sky. The movement of the blades becomes a distracting factor that stops the eye from exploring the landscape.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 12/28/2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 60
VIEWPOINT LOCATION: Cazenovia Art Park
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

A stone-dust path travels across the foreground of the view, separated from a golden meadow by a straight edge of green mowed lawn. The meadow cups downward, away from the viewer, a few green grass paths are mowed through it. A driveway heads from image left, down through the meadow and between two stone walls, disappearing into the woods. To the right of the drive, tall evergreen trees trails off to a mix of smaller deciduous. A break in the tree line reveals a yellow blooming perennial, slowly disappears as the open space winds back into the woods. Left of the driveway a brown house with a steep roof, sits at the end of the meadow, surrounded by more evergreen trees. In the distance beyond the house, the topography begins to rise. A few homes are visible in the hillside vegetation. A water tower, emerging from the woods, barely kisses the sky. At image right, the edge of a field is visible, accentuating the trunks of trees and their intricate branching at the fields edge. The trees continues up the hillside. The distant horizon line is mostly flat, the mid ground trees, image left, skirt just above it. The sky is a soft blue and there is an atmospheric haze visible on the distant hillsides.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	1	Distant turbines emerge from beyond the horizon line, extending the depth of the view.
Vegetation	1.5	Some of the turbines are slightly obscured by the mid ground evergreens. As the blades rotate these areas of obscurity may draw more focus.
Land Use	1.5	Though the distance of the turbines does diminish its contrast, the quantity changes the character of the view.
Water	N/A	
Sky	1.5	Distant turbines are small in scale and are obscured by atmospheric haze. Little imapct is made on the presence of the sky but the added moment of the blades may draw more attention to the horizon line.
Viewer Activity	2	Visitors of the Art Park may be distracted by the movement along the horizon line and be mentally transported out of the experience of place.
Total	7.5	*Total all scores above*
Average	1.5	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 60

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

Atmospheric haze may be obscuring the turbines greater than on a clearer day. Contrast may change with season and the angle of the turbine head or their relationship to the sun.

Perceived effect on scenic quality/viewer enjoyment:

Viewers from this location are enjoying an experience of place. There is a pastoral quality to the setting of the art park that may be interfered with by the addition of the wind turbines into the view. It is hard to determine how the movement of the blades will be perceived at this distance and under different environmental conditions. Overall, given the small scale of the turbines in relationship to the mass of the meadow impacts may be minimal to moderate.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 12/29/2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 63
VIEWPOINT LOCATION: Lorenzo State Historic Site
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☑ Low ☐ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☑ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

Before us sits a small stretch of manicured lawn. A stone path, vegetation emerging from it's center, bisects the view. Beyond the path, roadside-perennial vegetation sits below a mass of overhead utility lines, a section of the road is visible for about 100 feet. A car is headed image left, just ahead of a large tree on the opposite side of the road. Two utility poles add to the clutter of the view. Beyond the road the vegetation creates a solid mass across the span of the image. A thin line of distant vegetation (identified by the haze) sits along the horizon. Here a white house is tucked into the woods. The roadside tree and power lines reach above this line into the clear blue sky. Utility wires bisect the sky the full breadth of the view.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	0	unaffected
Vegetation	0	unaffected
Land Use	0	unaffected
Water	N/A	
Sky	0	While two turbines are now visible they are greatly obscured by the visual clutter of utility lines along the horizon.
Viewer Activity	0	unchanged
Total	0	*Total all scores above*
Average	0	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 63

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

Leaf-off and snowy conditions would likely only further obscure the turbines in view.

Perceived effect on scenic quality/viewer enjoyment:

Given the mass of utility lines along the horizon line from this view, the impact the scenic quality is indistinguishable.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 12/29/2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 68
VIEWPOINT LOCATION: Bingley Road
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☑ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

Open blue sky is punctuated by the dark T at the top of several utility poles. The poles sit in front of a slightly undulating, forested horizon line. At their bases additional fence post pepper both sides of an unseen road, mapping out the edges of numerous grazing pastures. At image left, a red-roofed, tan house with a detached garage, vehicles and an RV, sit along the road. Large evergreen trees flank it's sides. Theses are the only three dimensional items for nearly a mile into this view. An open field can be seen in the rising topography beyond the house. The foreground is an expanse of open green grass meadow, sprinkled with little purple flowers.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	0.5	Slightly more depth and topographic variation is suggested by the turbines emergence from beyond the horizon line. The view remains open and relatively flat.
Vegetation	1	Slightly more contrast in color and scale is created at the right of the view where 4 nearby turbines tower over the landscape.
Land Use	2	Half of the turbines blend in with the utility poles along the horizon line. The turbines at image right will draw more focus as their spinning fins are larger than any other object in view.
Water	N/A	
Sky	2.5	The sky remains expansive but there is an addition of movement along the horizon line the full breadth of the view. The four turbines at the right of the image accent the sun/shade position at a larger scale than any other object in view.
Viewer Activity	2.5	The proximity of turbines to one another as well as to the horizon line add new movement to attract the viewers attention.
Total	8.5	*Total all scores above*
Average	1.7	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 68

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

Fall colors or leaf off conditions may obscure the existing utility poles and change the contrast level of the turbines. Visual clutter may have diminished the overall scenic quality of the view.

Perceived effect on scenic quality/viewer enjoyment:

Additional, existing turbines may already be visible from this location, to the north. Given the visual clutter created by the fence posts and utility poles some of these turbines may fall more into the background than other. The closer 4 turbines, image right, will steel the focus of viewers at this location. Constant movement, bifurcated blades, and compound views of blades only increase the visual clutter.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: E,mily Garavuso
DATE: 1/22/2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 69
VIEWPOINT LOCATION: Cody Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rura lResidential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☑ Low ☐ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Repeated/Regular	☐ Long
☑ Rare	☑ Short

EXISTING VIEW DESCRIPTION: *(Please describe this view in your own words)*

A winter view of a fine textured shrubby field, travels uphill towards image right, where the road, the viewer is standing across, crests the hill. The shrubs vary in color from grayish-brown to tan and even hues of red. Perpendicular the road, beyond the crest of the hill a row of leafless trees travels out into the field, where it meets perpendicular to another forest line that travels image left. The texture of the silhouetted branches becomes finer as it moves from right to left. Power lines cross the street at the crest of the road, image right, and split into two parallel lines along the side of the road. At image left a larger transformer sits at the edge of the road, its lines running perpendicular to the road head away and into the woods. The road side transformer frames the next one in line. A long guy wire for above the view reaches down to the center of the image. Just above it's bright yellow wire cover, a wind turbine can be seen, faintly, above the horizon line.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view, and the 5-7 Year post-installation photosimulation and the existing view)

Component	Score Installation	Score 5-7 Year	Description of Contrast
Landform	3.5	3.5	The soft, colorful field is lifted up onto an angular pedestal. The view is shortened and the viewer is now looking up at the landscape instead of across into it.
Vegetation	3	3	The tree line beyond the crest of the road has been removed. Only the tips of trees are visible. The colorful shrubby field is replaced with the sharp angles of gray spires and the corner of a retaining wall. Much of the vegetation that was in view is obscured by the new topography.
Land Use	3.5	3.5	The previous image was cluttered with utility lines but now there is nothing in view but the power station.
Water	NA	NA	
Sky	3.5	3.5	The cluttered power lines are now compounded by the numerous spires, masts and other power station structures.
Viewer Activity	3.5	3.5	Any enjoyment of looking across the colorful and textured vegetation is completely blocked from view and replaced with the dominate power station.
Total	17	17	*Total all scores above*
Average	3.4	3.4	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Projet
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 69

EFFECTIVENESS AND PERCEIVED VARIABILITY

Effectiveness of mitigation plantings after 5-7 years of growth:

Mitigation has limited impact on the view and only effectively softens the visability of the equipment at the far right of the image. Most of the substation and retaining wall it sits above, are too tall to be screened at this proximity to the viewer.

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The contrast of the new station may have been lower given the current gray sky and leafless season conditions.

Perceived effect on scenic quality/viewer enjoyment:

The existing visual clutter and power lines gave context for new station but the overall scale, proximity to the viewer and change in topography dominate the view and decreases any possible viewer enjoyment considerably. While mitigation helps softens areas it has little impact on the overall mass.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: Emily Garavuso
DATE: 1/22/2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 70
VIEWPOINT LOCATION: South Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☑ Low ☐ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Repeated/Regular	☐ Long
☑ Rare	☑ Short

EXISTING VIEW DESCRIPTION: *(Please describe this view in your own words)*

Looking across a snow covered road, remnants of last years crops peek through the snow cover. The field meets the sky at the horizon line image right. One large evergreen stretches up from beyond the crest of the slight rise in topography. As the eye travels left along the horizon line, a fence pops into view, lined with large evergreen trees and a few spires of skinny leafless trees. The trees break to reveal a blue barn with a hip roof. A few other structures are discernible beyond the vegetation. The evergreens continue image left, along with a weeping willow, and other deciduous trees, which meet the edge of the frame image left. Here, few hundred feet down the road , 2 cars appear stopped on the street. Power lines on the opposite side of the road emerge from the tree line and travel toward the viewer. Utility lines bisect the sky just above the tips of the trees, right of the barn.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view, and the 5-7 Year post-installation photosimulation and the existing view)

Component	Score Installation	Score 5-7 Year	Description of Contrast
Landform	2	2	The view is truncated by the new structure, the driveway lowers the foreground and accentuates the rise to the finished floor elevation. A new drainage ditch and berm are introduced along the road.
Vegetation	1.5	1.5	The view of the trees right of the barn has been obstructed by the barn. The soft textures and color variation are replaces with the new tan structure. New trees and shrubs pepper the street line and driveway.
Land Use	3	2.5	The new structure replaces an open seasonal field. While the new wind turbine dwarfs everything in the landscape. As mitigation grows in the structure begins to feel more like another farm along the road.
Water	NA	NA	
Sky	2	2	Though obscured slightly by existing utility lines and poles, the new turbine takes up a substantial amount of the sky at this distance.
Viewer Activity	2	2	While the structure could blend in as part of agricultural development the turbines proximity and movement will dominate the view.
Total	10.5	10	*Total all scores above*
Average	2.1	2	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 70

EFFECTIVENESS AND PERCEIVED VARIABILITY

Effectiveness of mitigation plantings after 5-7 years of growth:

Mitigation at the street is very effective in softening the view of the new structure. It is hard to tell given the angle and darkness of the image but mitigation along the adjacent farm also looks to be effective. The size and spacing of the trees along the driveway side will take longer to fill in but currently provides effective softening of the architecture in this 5-7 year time frame.

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

Seasonal conditions of snow covered fields and leafless trees, along with gray skies, may have decreased the initial scenic quality of this view and decreased contrast ratings. The angle of the turbine could change it's visual mass in the sky.

Perceived effect on scenic quality/viewer enjoyment:

Substantial mitigation is provided along the road directly in front of the new structure, this screening however, seems limited in its effectiveness since primary viewers would be to the north and south. Overall, the effect on viewer enjoyment from this view would be moderate given the proximity to the new turbine and additional turbine views present to the west.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

RATING PANEL INFORMATION:
NAME: JBP
DATE: January 2, 2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 3
VIEWPOINT LOCATION: E Mile Strip Road
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

Note: multiple views provided at this viewpoint to cover the entire panoramic cone of view (COV) and will be considered as one view with one rating.

The foreground view consists of rolling green fields and an un-striped asphalt rural road, followed by a mid ground of open fields and tree lines, with a patchwork of open field and wood lots and gentle terrain beyond. Widely scattered agricultural and residential buildings are visible in the landscape, along with a glimpse of a small pond. Utility structures in the view include wood poles and overhead wires along the foreground roadway, and existing wind turbines along the distant terrain. The open landscape provides an expansive panoramic view. The composition of the vegetation - contrasting bands of various greens, light, and shadow - create a horizontal emphasis stepping toward the horizon.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	2	The vertical and sharp form of the turbines contrast with the visually gentle rolling terrain in the landscape, with the contrast most evident toward the eastern side of the panorama where turbines are closer to the viewer. Contrast between landform and proposed wind turbines are softened by distance.
Vegetation	1.5	The vertical lines of the existing trees growth is observed in the mid ground and relates to the vertical lines of the proposed turbines. Distance to the viewer diminishes the sharp contrast between vegetation and turbines.
Land Use	1	There is minimal contrast between the proposed turbines and existing land use, which already includes many wind turbines in the view. The proposed view retains its agriculture and wooded visual character.
Water	0.5	Visible water is minimal, and consists of filtered views of a pond which appears placid and reflects the sky. No proposed turbines are proximate enough to the existing water to yield strong contrast, but the addition of turbines in the distance does introduce a vertical element different from the existing condition.
Sky	2	Existing wind turbines punctuate the margin between sky and the wooded terrain. The additional turbines in the view are an extension of that visual effect, at a greater scale that extends more completely across the horizon.
Viewer Activity	1.5	The additional turbine structures in the view and their rotating movement patterns will contrast the static scenic character that viewers experience.
Total	8.5	*Total all scores above*
Average	1.42	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 3

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a cloudless, bright summer day. The blue sky is a color gradient between deeper blues higher in the atmosphere and lighter blue at the horizon. This affect minimizes the contrast of the white turbines located along the horizon. With different weather or hazy atmospheric conditions, the visibility of the turbines in the distance may be diminished and potentially obscured in some conditions due to their white color. If the photo was taken in the winter season, the turbines may contrast differently with a view of leafless trees in the landscape.

Perceived effect on scenic quality/viewer enjoyment:

The existing view has high scenic quality, exhibiting rural patterns of agriculture and settlement in a gentle central New York landscape. As there are already distant wind turbines visible from this panoramic location, the additional turbines offer some consistency with the existing view. The proposed condition remains scenic, although the wind turbines do extend across the horizon and increases the presence of infrastructure / utility elements in the landscape - especially toward the eastern side of the panorama where turbines are not visible in the existing condition. Residents with a longer duration view will be more sensitive to the changes in the scenic quality than others traveling on the rural road who are in constant movement.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

RATING PANEL INFORMATION:
NAME: JBP
DATE: January 2, 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 14
VIEWPOINT LOCATION: NYS Route 46
LANDSCAPE SIMILARITY ZONE:

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

Note: multiple views provided at this viewpoint to cover the entire panoramic cone of view (COV) and will be considered as one view with one rating.

The lines, patterns, and light color of the immediate foreground roadway and box beam guard rail are strong elements in the composition of the view. The mid distance and majority of the long distance views are forested, with a range of primarily deciduous tree species, and a range of forest maturity. Glimpses of distant agricultural fields, and blue-gray ridge lines are visible in the distance. Except for the roadway-related elements in the foreground little development is visible in the wide valley extending away from the view point.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	1	Wind turbines located on the distant ridge are vertical elements in an otherwise consistently horizontal landform composition. The distance from the viewer reduces the perception of their large scale, and therefore limits the visual contrast with the landform.
Vegetation	1	The existing mixed-aged forest results in a range of tree heights, some punctuating the horizon, with vertical lines and branching patterns. The vertical wind turbines and angular blades offer minimal contrast with the existing vegetation due to the distance from the viewer.
Land Use	1	The existing condition hints at a patchwork of agricultural and residential land use patterns, and the proposed wind turbines differ from that condition in scale and form. The addition of the wind turbines into the view will increase the sense of infrastructure and production in the landscape.
Water	N/A	Not applicable
Sky	1	Proposed wind turbines punctuate the margin between sky and the ridge line, especially to the south. The distance from the viewer, and the resulting lighter blue of the sky near the horizon, limits the contrast between the sky and the wind turbines themselves.
Viewer Activity	1	The wind turbine structures in the view and their rotating movement patterns will contrast with the static scenic character that viewers experience.
Total	5	*Total all scores above*
Average	1	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 14

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a cloudless, bright summer day. The blue sky is a color gradient between deeper blues higher in the atmosphere and lighter blue at the horizon. This affect minimizes the contrast of the white turbines located along the horizon. With different weather or hazy atmospheric conditions, the visibility of the turbines in the distance may be diminished and potentially obscured in some conditions due to their white color. If the photo was taken in the winter season, the turbines may contrast differently with a view of leafless trees in the landscape. Additionally, the time of the photograph creates a front-lit affect for the wind turbines. An afternoon photo would silhouette the structures and may influence the rating.

Perceived effect on scenic quality/viewer enjoyment:

The views from the roadway corridor remain scenic. The existing view of the primarily open and wooded wide valley is influenced by the roadway and guard rail, as well elements that reflect low intensity land uses. The proposed wind turbines would introduce a new element in the view, as well as movement due to the rotation. However, the density of wind turbines is relatively sparse and at a considerable distance from the viewer which restricts the resulting effect on the scenic quality. Residents with a longer duration view will be more sensitive to the changes in the scenic quality than others traveling on the rural road who are in constant movement.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

RATING PANEL INFORMATION:
NAME: JBP
DATE: December 14, 2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 18
VIEWPOINT LOCATION: Gill Road
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

The foreground view is dominated by the visually consistent agricultural field, followed by a mid ground of mixed deciduous trees, with a patchwork of open field and wood lots beyond. Low foreground vegetation provide broad views to the landscape beyond. The vegetation, gently rolling topography, and lack of built form / infrastructure give the view an attractive and soft quality.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	3.0	The introduced turbines create a sharp vertical line contrasting with the rolling topography.
Vegetation	3.0	The turbines contrast with the existing vegetation due to their greater scale, and they introduce a randomized visual pattern that contrasts with the regularity of the existing vegetation.
Land Use	3.0	The introduced turbines are unlike other land uses that are visible in the existing condition image, which is free from built form / infrastructure.
Water	N/A	None visible.
Sky	3.0	The open landscape and long-views of the existing conditions result in a relatively consistent line between the vegetation and sky. The vertical quality of the wind turbines disrupt that consistency by introducing a new visual element in the composition.
Viewer Activity	2.5	For passing users of the adjacent road, the turbines introduce visual contrast to the distant views of wood lots and agricultural fields. Adjacent residences will have higher sensitivity to the contrast, but do not appreciably change user activities.
Total	14.5	*Total all scores above*
Average	2.9	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 18

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a cloudless, bright summer day which yields a visual contrast between the white turbine structures and deep blue sky. With different weather or atmospheric conditions, the turbines in the distance may not be visible at all, and those in the middle distance may visually fade into the sky due to their white color. The peak of the agricultural growing season is depicted in the photo which softens the view due to the range of green colors. If the photo was taken in a winter or fallow season, the turbines may contrast differently with the view of leafless trees or brown agricultural fields.

Perceived effect on scenic quality/viewer enjoyment:

From this view, the randomized pattern and verticality of proposed wind turbines contrasts with the visual consistency and horizontality of the landscape and topography. The overall effect on the scenic quality of the view is softened by the distance from the viewer to the turbines, and that the attractive green landscape remains the dominant visual element. The effect on different user groups may vary with the duration of exposure. Specifically, while passing drivers on the roadway will experience a relatively short view duration, while local residents will experience long view duration yielding greater sensitivity to the visual changes.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

RATING PANEL INFORMATION:
NAME: JBP
DATE: January 2, 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 23
VIEWPOINT LOCATION: Stone Bridge Road
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

The foreground view includes a rural road and wood utility pole, low roadside/ditch herbaceous vegetation, mid ground fallow and active agricultural fields and farm structures (barn and silo), and a rolling hillside of deciduous trees. The range of light to dark greens, yellow flowering goldenrod, and blue sky give the view a high scenic quality and reflect an agricultural land use.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	3	The introduced turbines and structure create sharp vertical lines contrasting with the rolling topography.
Vegetation	3	The turbines and structure contrast with the existing vegetation due to their greater scale.
Land Use	3	The introduced turbines are unlike other land uses that are visible in the existing condition image.
Water	N/A	Not applicable
Sky	3	The form, color, and angularity of the wind turbines and structure contrasts against the flat and relatively consistent sky.
Viewer Activity	2.5	The turbines and structure introduce visual contrast to the wood lots and agricultural fields. The scale of the introduced elements draw the eye of the viewer from other elements in the view.
Total	14.5	*Total all scores above*
Average	2.9	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 23

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a clear, bright summer day which yields a visual contrast between the white turbine structures and deep blue sky. With different weather or atmospheric conditions, the turbines may somewhat visually fade into the sky due to their white color. The peak of the agricultural growing season is depicted in the photo which softens the view due to the range of green colors. If the photo was taken in a winter or fallow season, the turbines may contrast differently with the view of leafless trees or brown agricultural fields.

Perceived effect on scenic quality/viewer enjoyment:

From this view, the verticality and angularity the of proposed wind turbines contrasts with the softness and horizontality of the landscape. The overall scenic quality of the view is diminished with the addition of the proposed wind turbines and structure. Introduced elements compete with the existing elements and vegetation for visual dominance, primarily due to scale and proximity. The assumed quantity of people experiencing the view from this rural road is anticipated to be relatively low. The effect on different user groups will vary with the duration of exposure. Specifically, while passing drivers on the roadway will experience a relatively short view duration, local residents or agricultural workers will experience longer view duration yielding greater sensitivity to the visual changes.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

RATING PANEL INFORMATION:
NAME: JBP
DATE: December 14, 2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 36
VIEWPOINT LOCATION: Madison Road
LANDSCAPE SIMILARITY ZONE: Village

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

This view of the village includes a recreational sports field in the foreground, an architecturally appealing red brick school building, parking, and play structure in the mid ground, and a background of a wooded hill providing visual enclosure to the scene. The built elements in the view vary in scale and color and organization. Horizontal elements include various pavements, fences, and buildings. Vertical elements include the school cupola, several chimneys, and a large scale athletic light column.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	3.0	The vertical lines of the turbine pylons and the widely spanning angular blades contrast with the soft landform.
Vegetation	2.0	The variety of ornamental/maintained and naturalizing vegetation patterns in the existing view somewhat contrast with the randomized pattern of the pylons. The mown lawn in the foreground creates a linear pattern overlaid on the landscape. However, the scale of the linear pylons is much greater than the vegetation in the view.
Land Use	2.0	The foreground and mid ground of the view illustrates development and a variety of village land uses with range of color, line, and pattern which the turbines have some relationship to as they are also constructed elements in the landscape.
Water	N/A	None visible.
Sky	2.5	The delineation between landform and sky is moderately contrasted against the visually strong vertical forms of the pylons and broad wind turbine blades.
Viewer Activity	3.0	The movement of the rotating turbines in this view contrast against the lack of human activity in the photograph.
Total	12.5	*Total all scores above*
Average	2.5	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 36

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a nearly cloudless, bright summer day which yields a visual contrast between the white turbine structures and blue sky. With different weather or atmospheric conditions, the visibility of the turbines in the distance would be diminished and potentially obscured in some conditions due to their white color. If the photo was taken in the winter season, the turbines may contrast differently with a view of leafless trees in the landscape. This somewhat static summer view of the school, with relatively little public activity, also may influence the rating. This view of the proposed project is face-on to the blades of the turbines and implies rotation and movement. If the school parking lot were full with traffic activity (color and reflectivity of moving cars), or the sports fields were being utilized for activities, the view would imply more dynamism and movement which may be more compatible with the implied rotating movement of the turbine blades.

Perceived effect on scenic quality/viewer enjoyment:

The scenic quality of a brick school in a small village is moderately-to-appreciably diminished by the introduction of large scale infrastructure. Spectators or participants of sports activities on these fields, and residents in the area, may be distracted by the introduced rotating movement on the horizon. As the existing condition photo depicts a variety of built form, texture, color, line, and patterns, the additional wind turbines in the view are somewhat an extension of that developed condition, albeit at a much larger scale.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

RATING PANEL INFORMATION:
NAME: JBP
DATE: December 14, 2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 40
VIEWPOINT LOCATION: US Route 20
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☑ Occasional	☑ Moderate
☐ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

The scene is dominated by the multiple lane highway cutting diagonally through the image. The asphalt and roadway striping lead the viewer's eye into the rolling landscape. Vegetation - as woodlot and mown highway shoulders - to either side of the highway is continuous and somewhat encloses the view with consistent color and texture.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	2	The wind turbines, which are at multiple distances from the viewer, appear to step into the landform in the distant view. However, the verticality of the turbines differs from the rolling terrain.
Vegetation	1.5	The enclosing vegetation, as well as small scale roadway signage, are vertical elements in the landscape, as are the turbines depicted in the background.
Land Use	1	The turbines and existing visually dominant highway elements are visually compatible infrastructure land uses.
Water	N/A	Not applicable
Sky	2.5	The sky is moderately contrasted against the visually strong vertical lines of the pylons and broad wind turbine blades in silhouette.
Viewer Activity	1	The movement of the turbines relate to the movement of high-speed vehicles. Viewer activity of the highway users is minimally impacted.
Total	8	*Total all scores above*
Average	1.6	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 40

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a nearly cloudless, bright summer day which yields a visual contrast between the white turbine structures and blue sky. With different weather or atmospheric conditions, the visibility of the turbines in the distance would be diminished and potentially obscured in some conditions due to their white color. If the photo was taken in the winter season, the turbines may contrast differently with a view of leafless trees in the landscape. Additionally, if the photo was taken at a time of higher traffic activity, the view would include greater color and reflectivity contrast from the additional vehicles, and suggest more movement and visual complexity in the landscape.

Perceived effect on scenic quality/viewer enjoyment:

The scenic quality of this high speed highway environment is minimally to moderately affected by the introduction of the wind turbine's constructed form and rotating movement. The overall effect on the scenic quality of the view is softened by the continuously changing view perspective and distance from viewer to the turbines, as the naturalized vegetation in the landscape remains a dominant visual element. The effect on different user groups may vary with the duration of exposure. Specifically, while passing drivers on the roadway will experience a relatively short view duration, the adjacent residences will experience long view duration yielding greater sensitivity to these visual changes.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

RATING PANEL INFORMATION:
NAME: JBP
DATE: December 14, 2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 41
VIEWPOINT LOCATION: Bliss Road
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☑ Occasional	☑ Moderate
☐ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

This image is divided horizontally into three distinct bands: a foreground composed of a mixed herbaceous roadside meadow, a mid ground composed of a hillside with deciduous and evergreen trees woodlot, and a clear blue sky. The greens and yellows of the vegetation complement the blue sky.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	3.0	The large scale turbine structures introduce a dominant vertical line into the otherwise horizontal expression of the terrain.
Vegetation	3.0	The large scale and scattered pattern of the turbine locations contrast against the fine textures and uniformity of the plant communities.
Land Use	3.0	The introduced turbines are unlike other land uses that are visible in the existing condition image, which is free from built form / infrastructure.
Water	N/A	Not applicable.
Sky	2.5	The vertical quality and strong angles of the wind turbines disrupt the consistency of the sky.
Viewer Activity	3.0	For passing users of the adjacent road, the turbines introduce visual contrast beyond the horizon at a large scale. Adjacent residences will have higher sensitivity to the contrast, but do not appreciably change user activities.
Total	14.5	*Total all scores above*
Average	2.9	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 41

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a cloudless, bright summer day which yields a visual contrast between the white turbine structures and deep blue sky. With different weather or atmospheric conditions, the smaller scale turbines in the distance may not be visible at all due to their white color. The peak of the summer growing season is depicted in the photo which softens the view due to the range of green colors and contrasting shadows. If the photo was taken in a winter or fallow season, the turbines may contrast differently with the view of leafless trees or brown agricultural fields.

Perceived effect on scenic quality/viewer enjoyment:

From this view, the verticality and angularity the of proposed wind turbines contrasts with the visual consistency and horizontality of the landscape. The overall effect on the scenic quality of the view is softened by the distance from the viewer to most of the turbines, with one turbine remaining visually stronger due to proximity. The green landscape remains the dominant visual element. The assumed quantity of people experiencing the view from this location is anticipated to be relatively low (as compared to viewpoint 40) due to the roadway's small scale. The effect on different user groups will vary with the duration of exposure. Specifically, while passing drivers on the roadway will experience a relatively short view duration, local residents will experience long view duration yielding greater sensitivity to the visual changes.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

RATING PANEL INFORMATION:
NAME: JBP
DATE: January 2, 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 42
VIEWPOINT LOCATION: Brooks Road
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

The view is of a consistent and flat green field in the foreground and blue sky above, with a hedgerow at the horizon which is composed of mixed-scale trees and shrubs dominated by a single tree to the right. No obvious human-made development or utilities are in the view.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	3.5	The existing landform is horizontal to flat, and the proposed wind turbine is strongly vertical and relatively proximate to the viewer.
Vegetation	3.5	The vegetation is out-scaled by the proposed wind turbine and contrasts with the color and form.
Land Use	3	The introduced turbine is unlike land uses that are visible in the existing condition image.
Water	N/A	Not applicable
Sky	3	The form, color, and angularity of the wind turbine contrasts against the flat and relatively consistent sky.
Viewer Activity	2.5	The turbines introduces visual contrast to the fields. The scale of the introduced elements draw the eye of the viewer from other elements in the view.
Total	15.5	*Total all scores above*
Average	3.1	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 42

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a clear, bright summer day which yields a visual contrast between the white turbine structures and deep blue sky. With different weather or atmospheric conditions, the turbines may somewhat visually fade into the sky due to their white color. The peak of the agricultural growing season is depicted in the photo which softens the view due to the range of green colors. If the photo was taken in a winter or fallow season, the turbines may contrast differently with the view of leafless trees or brown agricultural fields.

Perceived effect on scenic quality/viewer enjoyment:

The existing condition is a simple composition, dominated by soft greens of the field, clear blue sky, and trees. The turbines are highly visible, with the white color, sharp angles, large scale, and rotating movement changing the view and becoming the focal element in the landscape. The introduced turbines have little to buffer them from the view or moderate their scale. The overall effect reduces the scenic quality. Local residents or agricultural workers - for example from the house and farm across the road visible in the introductory panorama - will experience longer view duration yielding greater sensitivity to the visual changes than shorter duration passing drivers.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

RATING PANEL INFORMATION:
NAME: JBP
DATE: January 2, 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 45
VIEWPOINT LOCATION: Nichols Pond Road
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☑ Occasional	☐ Moderate
☐ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

The foreground view includes a rural road, roadside/ditch herbaceous vegetation, mid ground fallow and active agricultural fields and farm structures (barn and silo), and a rolling hillside of deciduous trees and fields leading to a ridge with two existing wind turbines. The range of light to dark greens, soft vegetation, blue sky, and angular wind turbines in the distance create an attractive image.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	3	The strong verticality and angular blades of the proposed turbines contrast with the low ridges and overall horizontality of the existing landform.
Vegetation	3	The rounded forms of the vegetation is out-scaled by the proposed wind turbine and contrasts with their sharp forms.
Land Use	1	The land use of the existing image includes visually prominent wind turbines and transmission structures. The proposed wind turbines extend that quality rather than create a strong contrast with it.
Water	N/A	Not applicable
Sky	2.5	The form, color, and angularity of the wind turbines contrast against the flat and relatively consistent sky.
Viewer Activity	1.5	Due to the prominent existing wind turbines in the existing image, viewer activity contrast is limited. The minimal contrast indicated is due to the higher quantity of proposed turbines in the view.
Total	11	*Total all scores above*
Average	2.2	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 45

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a clear, bright summer day which yields a visual contrast between the white turbine structures and deep blue sky. With different weather or atmospheric conditions, the turbines may visually fade into the sky due to their white color. The peak of the agricultural growing season is depicted in the photo which softens the view due to the range of green colors. If the photo was taken in a winter or fallow season, the turbines may contrast differently with the view of leafless trees or brown agricultural fields.

Perceived effect on scenic quality/viewer enjoyment:

As the existing view includes glimpses of other development, including existing wind turbines, the addition of more wind turbines in the view limits the perceived change to the scenic quality. The greens of the landscape and pattern of fields and wood lots will continue to provide an attractive foreground. The existing and the proposed wind turbines are clustered on the distant ridge. The distance provides some relief from the scale, form, and angularity of the wind turbines from this view point.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

RATING PANEL INFORMATION:
NAME: JBP
DATE: January 19, 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 50
VIEWPOINT LOCATION: Buyea Road
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☑ Occasional	☑ Moderate
☐ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

The existing view includes an unstriped rural road in the foreground passing through a rolling countryside of fallow agricultural / meadow landscape. The soft greens of the mid ground recede to the brighter greens of a mown yard hosting several buildings, utility poles, small trees, and a bench swing, all of which signals both agricultural / residential land uses. The pattern of open agricultural fields and meadows are bounded by tree lines and wood lots of mixed deciduous trees. In the distant right (south) of the image, a home sits atop a low ridge surrounded by open lawn landscape with additional tree line beyond to the horizon. To the left (east) of the image, a single white wind turbine stands at the top of the ridge. A large scale open lattice style utility structure in the distance is visible in the center of the image. The existing view includes a clear blue sky for the upper half of the image.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	3.0	The additional large scale turbine structures introduce additional dominant vertical angular lines into the softer rolling landform.
Vegetation	3.0	The large scale and scattered pattern of the turbine locations contrast against the lower scale, softer textures, and uniformity of the vegetation. The white color contrasts against the green colors of the natural vegetation.
Land Use	2.0	The additional wind turbines are an extension of the existing wind turbine and other utility infrastructure in the existing condition view. However, the increased quantity of wind turbines extends these structures across a much larger portion of the horizon. Therefore the active power generation land use contrasts with the existing lower intensity agricultural land use.
Water	N/A	Not applicable.
Sky	3.0	The existing wind turbine punctuates the margin between sky and the wooded terrain. The additional white, angular, and vertical turbines in the view are an extension of that visual effect, at a greater extent across the horizon.
Viewer Activity	1.5	The additional turbine structures in the view and their rotating movement patterns will contrast the static scenic character that viewers experience.
Total	12.5	*Total all scores above*
Average	2.5	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 50

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a cloudless, bright summer day which yields a visual contrast between the white turbine structures and deep blue sky. With different weather or atmospheric conditions, the turbines in the distance may not be visible at all, and those in the middle distance may visually fade into the sky due to their white color. The peak of the agricultural growing season is depicted in the photo which softens the view due to the range of green colors. If the photo was taken in a winter or fallow season, the turbines may contrast differently with the view of leafless trees or brown agricultural fields.

Perceived effect on scenic quality/viewer enjoyment:

From this view, the randomized pattern and verticality of proposed wind turbines contrasts with the visual softness and gentle terrain of the existing landscape and topography. The overall effect on the scenic quality of the view is decreased, but softened by the distance from the viewer to the turbines, and that the attractive green landscape remains a strong visual element in the foreground. The effect on different user groups may vary with the duration of exposure. Specifically, while passing drivers on the roadway will experience a relatively short view duration, while local residents will experience long view duration yielding greater sensitivity to the visual changes.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

RATING PANEL INFORMATION:
NAME: JBP
DATE: January 2, 2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 54
VIEWPOINT LOCATION: South Road
LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☑ Occasional	☐ Moderate
☐ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

The foreground view is dominated by the visually consistent corn field, followed by a mid ground of mixed deciduous trees and a prominent silo, with open fields and wood lots beyond. A house is visible to the extreme right of the image. Low foreground vegetation provide broad views to the enclosing ridge and landscape beyond. The vegetation, gently rolling topography, and limited built elements give the view an attractive and soft quality.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	3.5	The strong verticality and angular blades of the proposed turbines contrast with the low ridges and overall horizontality of the existing landform.
Vegetation	3.5	The vegetation is out-scaled by the proposed wind turbines, which is emphasized by the proximity to the viewer and additional vegetation disturbance visible in the photosimulation.
Land Use	3	The introduced turbines are unlike other land uses that are visible in the existing condition image.
Water	N/A	Not applicable
Sky	3.5	The form, color, and angularity of the wind turbines and structure contrasts against the flat and relatively consistent sky. Proximity to the viewer increases the perception of the contrast.
Viewer Activity	2.5	The scale and rotation of the introduced elements draw the eye of the viewer from other elements in the view.
Total	16	*Total all scores above*
Average	3.2	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 54

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a clear, bright summer day which yields a visual contrast between the white turbine structures and deep blue sky. With different weather or atmospheric conditions, the turbines may visually fade into the sky due to their white color. The peak of the agricultural growing season is depicted in the photo which softens the view due to the range of green colors. If the photo was taken in a winter or fallow season, the turbines may contrast differently with the view of leafless trees or brown agricultural fields.

Perceived effect on scenic quality/viewer enjoyment:

The existing condition is a simple composition, dominated by soft greens of the field, clear blue sky, and trees, white the white dome of the silo acting as the focal point. The turbines are highly visible, with the white color, sharp angles, large scale, and rotating movement changing the view and becoming the focal element in the landscape. The introduced turbines have little to buffer them from the view or moderate their scale. The overall effect reduces the scenic quality. Local residents or agricultural workers will experience longer view duration yielding greater sensitivity to the visual changes than shorter duration passing drivers.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project

EDR PROJECT NUMBER:

RATING PANEL INFORMATION:

NAME: JBP

DATE: January 2, 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 58

VIEWPOINT LOCATION: Hardscrabble Road

LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*

☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☑ Occasional	☐ Moderate
☐ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

The foreground is dominated by an agricultural field adjacent to a rural road, bounded by a mixed deciduous wood lot, with a patchwork of other agricultural fields and wooded ridges in the distance. There are existing wind turbines in the view, but they are quite small and minimized due to the distance. The blue sky is nearly clear, lightening as it approaches the horizon and existing wind turbines.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	1.5	Distant views of the proposed wind turbines illustrate the tall white vertical forms contrasting against the low ridges / terrain in the background of the view.
Vegetation	1.5	Perception of the wind turbines is limited due to the distance from the viewer. However, the scale contrast between existing vegetation and proposed wind turbines is visible.
Land Use	1	As there are existing wind turbines in the view already, the minimal contrast is due to the increased number of wind turbines.
Water	N/A	Not applicable
Sky	1	The color and form contrast of the proposed wind turbines is visible, but the contrast is limited due to the distance from the viewer and the similarity in colors between the sky near the horizon and the wind turbines.
Viewer Activity	1	Viewer activity contrast is limited. The minimal contrast indicated is due to the higher quantity of proposed turbines in the view.
Total	6	*Total all scores above*
Average	1.2	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project

EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 58

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a cloudless, bright summer day. With different weather or atmospheric conditions, the turbines in the distance may not be visible at all. The peak of the agricultural growing season is depicted in the photo which softens the view due to the range of green colors. If the photo was taken in a winter or fallow season, the turbines may contrast differently with the view of leafless trees or brown agricultural fields. If the photo was taken at a different time of the day, the structures may be in silhouette which may make them more visible against the pale sky near the horizon.

Perceived effect on scenic quality/viewer enjoyment:

This distant view of the proposed wind turbine structures illustrates that under certain conditions, their effect on the scenic quality at this viewpoint is limited. Additionally, the addition of turbines into the distant view is softened due to the existing wind turbines already visible in the distance. The foreground vegetation and the ridge line remain the dominant elements in the view.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project

EDR PROJECT NUMBER:

RATING PANEL INFORMATION:

NAME: JBP

DATE: December 14, 2023

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 60

VIEWPOINT LOCATION: Cazenovia Art Park

LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*

☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

Naturalized vegetation, displaying a harmonious range of green and yellow color and contrasting textures, and a clear blue sky are the dominant visual components in the view. The foreground expresses mown lawn and naturalized meadow, mid ground is a woodlot of mixed deciduous and evergreen trees, and the distant view is primarily a wooded landscape broken up by hints of rooflines, a water tower, and other development. Open long views to the horizon are notable.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	.5	The wind turbines located along the horizon are quite distant from the viewer and are therefore small in scale. There is a small contrast from the existing rolling landform.
Vegetation	.5	Again, due to the distance to the wind turbines, there is only a small contrast from the existing condition. The contrast results from the height of the turbines compared to the existing vegetation in their proximity.
Land Use	.5	The wind turbines are effectively an extension of the other signs of human development and visual patterns, including infrastructure, evident in the existing condition view.
Water	N/A	Not applicable.
Sky	1	Again, due to the distance to the wind turbines, there is only a small contrast from the existing condition's clear blue sky.
Viewer Activity	1	Viewer activity at this sculpture park location includes viewing the landscape as a part of the artistic composition of sculpture. However, from this view, the introduced turbines create only a minimal contrast from the existing conditions.
Total	3.5	*Total all scores above*
Average	0.7	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project

EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 60

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a nearly cloudless, bright summer day. The blue sky is a color gradient between deeper blues higher in the atmosphere and lighter blue at the horizon. This affect minimizes the contrast of the white turbines. With different weather or hazy atmospheric conditions, the visibility of the turbines in the distance may be diminished and potentially obscured in some conditions due to their white color. If the photo was taken in the winter season, the turbines may contrast differently with a view of leafless trees in the landscape.

Perceived effect on scenic quality/viewer enjoyment:

As stated above, the sculpture park experience includes appreciation of the landscape as a part of the artistic composition of the artwork, therefore the viewer exposure is high at this location. While this view includes several pieces of artwork in the sculpture park, due to the great distance between viewer and the wind turbines, the overall perceived effect of the project is minimal. If the viewer were lower on the hillside in the foreground, the distant horizon may be screened by the interceding vegetation.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project

EDR PROJECT NUMBER:

RATING PANEL INFORMATION:

NAME: JBP

DATE: January 2, 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 63

VIEWPOINT LOCATION: Lorenzo State Historic Site

LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*

☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

The foreground of the view is dominated by a maintained lawn, roadway, and overhead utilities. Just beyond the roadway is a naturalized tree line of mixed deciduous and evergreen vegetation. The vegetation encloses most of the view, with filtered glimpses to the distant ridge beyond.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	.5	The addition of the wind turbines on the horizon offers minimal contrast to the landform at this distance.
Vegetation	.5	At the distance represented by the viewpoint, the wind turbines are irregular and vertical, somewhat similar to vegetation punctuating the horizon.
Land Use	.5	There is limited contrast with the existing land uses depicted in the view, with the proposed wind turbines adding to other utility infrastructure in the view.
Water	N/A	Not applicable
Sky	.5	The proposed wind turbines offer limited contrast with the sky as other existing utility infrastructure in the image's foreground obscures the view of this component.
Viewer Activity	.5	Contrast with the viewer activity is limited by the distance to the viewer, and foreshortened views due to existing conditions.
Total	2.5	*Total all scores above*
Average	.5	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project

EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 63

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a cloudless, bright summer day. With different weather or atmospheric conditions, the turbines in the distance may not be visible at all. The peak of the summer growing season is depicted in the photo which softens the view due to the range of green colors. If the photo was taken in a winter or fallow season, the turbines may contrast differently with the view of leafless trees or become more visible. If the photo was taken at a different time of the day, the structures may be in silhouette which may make them more visible against the pale sky near the horizon.

Perceived effect on scenic quality/viewer enjoyment:

As noted in the provided location information, the viewpoint is proximate to Lorenzo State Historic Site and other visually sensitive resources, but is quite distant from the wind turbines themselves. The wind turbines are minimally visible from this viewpoint, and seem to blend into the view which already includes overhead utility wires and a roadway. This viewpoint demonstrates that although the wind turbines remain minimally visible from this viewpoint, they do not necessarily significantly detract from the viewshed or enjoyment of existing visually sensitive resources. Local residents and tourists will experience longer view duration yielding greater sensitivity to the visual changes than shorter duration passing drivers.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project

EDR PROJECT NUMBER:

RATING PANEL INFORMATION:

NAME: JBP

DATE: January 2, 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 68

VIEWPOINT LOCATION: Bingley Road

LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*

☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☑ Long

EXISTING VIEW DESCRIPTION:

A foreground agricultural field extends to the middle distance with a one story wood frame dwelling adjacent to a line of overhead utility poles through the center of the image. A tree line beyond the utility poles encloses the view and extends back to the horizon.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	2	The strong verticality and angular blades of the proposed turbines contrast with the overall horizontality of the existing landform.
Vegetation	2	The rounded form of the background vegetation is out-scaled by the proposed wind turbine and contrasts with their sharp forms.
Land Use	1.5	The wind turbines are new elements in the view. They somewhat relate to the punctuated vertical utility poles in the view. The proposed wind turbines add to utility land use already in the view.
Water	N/A	Not applicable
Sky	2	The form, color, and angularity of the wind turbines and structure contrasts against the flat and relatively consistent sky.
Viewer Activity	1.5	The scale and rotation of the introduced elements draw the eye of the viewer from other elements in the view. Adjacent residences will have higher sensitivity to the contrast, but do not drastically change user activities.
Total	9	*Total all scores above*
Average	1.8	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project

EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 68

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photograph was taken on a cloudless, bright summer day. With different weather or atmospheric conditions, the turbines in the distance may be obscured. The peak of the summer growing season is depicted in the photo which softens the view due to the range of green colors. If the photo was taken in a winter or fallow season, the turbines may contrast differently with the view of leafless trees or become more visible. If the photo was taken at a different time of the day, the structures may be in silhouette which may make them more visible against the pale sky near the horizon.

Perceived effect on scenic quality/viewer enjoyment:

As the existing view includes other development, including a visually prominent line of utility poles, the addition of the wind turbines in the view is somewhat mitigated as they are not completely dissimilar from that context. While the greens of the landscape and pattern of fields and wood lots will continue to provide an attractive foreground, the scale and movement of the proposed wind turbines will ensure that that are visible in the landscape. The most visually prominent wind turbines are clustered to the of the image. The distance provides some relief from the scale, form, and angularity of the wind turbines from this view point.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project

EDR PROJECT NUMBER:

RATING PANEL INFORMATION:

NAME: JBP

DATE: January 19, 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 69

VIEWPOINT LOCATION: Cody Road

LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*

☑ Low ☐ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☑ Repeated/Regular	☐ Long
☐ Rare	☑ Short

EXISTING VIEW DESCRIPTION: *(Please describe this view in your own words)*

A striped roadway tracked diagonally across the lower portion of the image, through a brown and gray winter landscape with snow along the roadway shoulder and visible elsewhere in small areas of the landscape. The sky is cloudy and gray. Along the roadway, and extending perpendicular to the road through a wood cut into the distance, are moderate and large scale electrical transmission structures and wires. An open successional field beyond the roadway extends to tree lines and wood lots composed of deciduous (leaf off) and evergreen trees. A single wind turbine is visible in the distance through a gray haze. Terrain is moderate, descending away from the road and the left (west) of the image

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view, and the 5-7 Year post-installation photosimulation and the existing view)

Component	Score: Installation	Score: 5-7 Year	Description of Contrast
Landform	3.5	3.5	The scale, angularity, color, and hard constructed nature of the utility equipment, retaining wall, and additional utility poles contrast against the gentle terrain of the existing landform. Mitigation vegetation does not change this contrast rating.
Vegetation	3.5	3	The scale, angularity, color, and hard constructed nature of the utility equipment, retaining wall, and additional utility poles contrast against the open successional landscape in which it is built. The mitigation planting reintroduces some foreground visual elements that are visually similar in color, texture, and pattern to the existing vegetation.
Land Use	3.5	3.5	The existing landscape includes utility and transmission structures, but is still dominated by the softness and natural patterns of the fallow agricultural and wooded landscape. The proposed and mitigation conditions include large scale utility infrastructure in close proximity to the viewer, which obscures the existing fallow agricultural and wooded landscape and dominates the view.
Water	N/A	N/A	Not applicable.
Sky	3	3	In the proposed condition, the soft gray sky is punctuated by many large scale vertical elements and horizontal wires. The sharpness and visual clutter of the introduced elements contrast with the static and visually featureless sky. The existing utility infrastructure somewhat blunts the contrast rating, but the mitigation vegetation does not.
Viewer Activity	3.5	3.5	For passing users of the adjacent road, the constructed large scale elements introduce stark visual contrast close to the viewer and demand attention as a new focal point. Viewers already anticipate some amount of utility components in the landscape, however the proposed elements overwhelm the existing and draws the attention of viewers. Mitigation vegetation does not affect this contrast rating.
Total	17	16.5	*Total all scores above*
Average	3.4	3.3	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project

EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 69

EFFECTIVENESS AND PERCEIVED VARIABILITY

Effectiveness of mitigation plantings after 5-7 years of growth:

The species composition and layout of the foreground mitigation plantings appear consistent with naturalized existing landscape in the existing condition view. The plantings offer some softening and screening. The position of the very large electrical installation is very close to the viewer which makes effective screening of this facility very challenging. It can be assumed that the proposed plantings will continue to grow and become more effective in time, but it is not likely to entirely screen the installation even at maturity.

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photo was taken on a winter day, leaf off, with a soft gray sky. If the photo was taken during the growing season, the natural greens may soften perception of the view. With different weather or atmospheric conditions, the installation may become even more visible.

Perceived effect on scenic quality/viewer enjoyment:

The scale, angularity, sharp lines, and color of the proposed installation has a negative affect on scenic quality from this viewpoint. The horizon or any background view of the landscape is obscured and replaced by utilitarian infrastructure. The proposed infrastructure introduces visual clutter and additional unnatural forms to the landscape and sky. The perceived effect on viewer enjoyment will decrease at this viewpoint.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project

EDR PROJECT NUMBER:

RATING PANEL INFORMATION:

NAME: JBP

DATE: January 19, 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 70

VIEWPOINT LOCATION: South Road

LANDSCAPE SIMILARITY ZONE: Agricultural / Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*

☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☑ Repeated/Regular	☑ Long
☐ Rare	☐ Short

EXISTING VIEW DESCRIPTION: *(Please describe this view in your own words)*

An unstriped rural roadway tracks diagonally across the lower portion of the image through a brown and gray winter landscape with snow along the roadway shoulder and elsewhere in extensive areas of the landscape. The sky is cloudy and gray and featureless. Along the roadway are wood utility poles supporting overhead wires. An open and snow covered field extends beyond the roadway toward an irregular tree line and several buildings that appear to be agricultural and residential. The visible trees appear to be relatively mature, and are a variety of deciduous and evergreen species. Terrain is gently rising to the right (east) of the image to the horizon.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view, and the 5-7 Year post-installation photosimulation and the existing view)

Component	Score: Installation	Score: 5-7 Year	Description of Contrast
Landform	3	2.5	The scale, angularity, verticality, and hard constructed nature of the proposed buildings and wind turbine contrast against the gentle terrain of the existing landform. Mitigation vegetation does reduces the change by adding softer forms and textures to the foreground.
Vegetation	3	2.5	The scale, angularity, verticality, and hard constructed nature of the proposed buildings and wind turbine contrast against the open successional landscape in which it is built. The mitigation planting reintroduces some foreground visual elements that are visually similar in color, texture, and pattern to the existing vegetation.
Land Use	2.5	2	The existing landscape includes residential and agricultural buildings and utility poles / wires, but is still dominated by the softness and natural patterns of the fallow agricultural and wooded landscape. The proposed and mitigation conditions include proposed buildings and a wind turbine in close proximity to the viewer. The existing land use is somewhat obscured and changes toward a more constructed and utility land use. Mitigation planting somewhat softens this change.
Water	N/A	N/A	Not applicable.
Sky	2.5	2.5	In the proposed condition, the soft gray sky is punctuated by natural tree forms, vertical utility poles, and horizontal wires. The proposed condition reduces visibility of the sky due to the scale and bulk of the buildings, and contrasts against the sky with the large scale white vertical and angular wind turbine. The proposed mitigation vegetation does not affect the contrast rating from this viewpoint.
Viewer Activity	3	2.5	For passing users of the adjacent road, the constructed large scale elements introduce new built elements and focal points. Viewers already anticipate some amount of utility components in the landscape, however the proposed elements are out of scale and the rotation of the turbine will draw additional attention. Mitigation vegetation does soften the visual relationship to the proposed buildings but creating view buffering with natural material.
Total	14	12	*Total all scores above*
Average	2.8	2.4	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project

EDR PROJECT NUMBER:

VIEWPOINT NUMBER: 70

EFFECTIVENESS AND PERCEIVED VARIABILITY

Effectiveness of mitigation plantings after 5-7 years of growth:

The species composition and layout of the foreground mitigation plantings appear consistent with naturalized and cultural existing landscape in the existing condition view. Plantings along the road will offer screening of the proposed buildings at a lower / human scale. However, the viewer's perception of the large scale wind turbine in the background is not affected by the mitigation planting.

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The photo was taken on a winter day, leaf off, with a soft gray sky. If the photo was taken during the growing season, the natural greens may soften perception of the view. Rotation of the turbine blades during windier conditions will introduce additional movement into the view which may draw further attention to that large focal element.

Perceived effect on scenic quality/viewer enjoyment:

The scale, angularity, sharp lines, and color of the proposed installation has a negative affect on scenic quality from this viewpoint. A portion of the horizon is obscured by the proposed buildings and plantings along the roadway. The proposed buildings lacks the attention to detail or material character of buildings visible in the view, and therefore assumed in the vicinity as well, but do mimic economical contemporary agricultural buildings. The large scale turbine is a dominant vertical and angular element in the view. The proposed infrastructure introduces additional built elements and forms to the landscape and sky. The perceived effect on viewer enjoyment will decrease at this viewpoint, particularly from the residences in the vicinity.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 10 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 3
VIEWPOINT LOCATION: E Mile Strip Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☑ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

This summertime view pans across a rural residential and agricultural setting in four frames. the overall view looks across a near-foreground road and is backed by a row of tall grasses and shrubs. The left view includes gently rolling hills backed by hedgerows and small clusters of trees. At the center of the view, a small body of water and agricultural building are present. A utility pole and line is visible in the foreground of the right view. The rolling slopes are broken up by heavy trees. Agricultural buildings and existing wind turbines, located along the ridgeline, are present in the background. The sky is clear and fades from a white along the ridgeline to a bright blue.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	2	Turbines are visible across the four frame view, and only somewhat diminish or contrast the rolling topography.
Vegetation	1.5	Vegetation remains intact; existing turbines in left view do not compress topography.
Land Use	1.5	Wind turbines are consistent with rural agricultural land use.
Water	2.5	The water body is somewhat hidden from view by existing vegetation. The turbines do draw the viewer's attention from the water to the ridgeline.
Sky	2	Existing utility lines and turbines already cross the sky in the left view. The light white of the sky along the horizon softens the view of the turbines.
Viewer Activity	2	Rural agricultural activity unlikely to experience significant changes due to the presence of existing utility lines and turbines.
Total	11.5	*Total all scores above*
Average	1.92	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 3

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

A light haze/cloud cover is resting along the ridgeline at the horizon, which may be softening the appearance of the turbines.

Perceived effect on scenic quality/viewer enjoyment:

The addition of multiple turbines along the ridge line in this rural agricultural view moderately impacts scenic quality. The traveler passing on this roadway would notice the arrangement of turbines along the top of the ridge; however, the turbines are well placed, equidistant to each other and provide visual consistency.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 10 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 14
VIEWPOINT LOCATION: NYS Route 46
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☑ Low ☐ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☑ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

The summertime view looking West-Southwest from NYS Route 46 pans across rolling hills in a rural setting in two frames. The foreground view is bordered by an asphalt road, gravel, and a gray metal guardrail before moving to tall grasses, wildflowers and shrubs. The eye then moves to a topographical dip in grade before moving to treetops that are partially screened by the foreground topography. The sky is clear of clouds, but a light white haze rests on the ridgeline.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	1	A slight contrast exists, but perspective of the rolling hills is maintained.
Vegetation	1	Vegetation remains intact and distant turbines do not overwhelm the view.
Land Use	1	The rural character of the view is maintained.
Water	NA	None apparent.
Sky	1.5	The horizon is minimally impacted by the wind turbines.
Viewer Activity	1	Viewers at this location will be primarily focused on the roadway, and the turbines could provide a point of interest.
Total	5.5	*Total all scores above*
Average	0.92	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 14

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The sky has some limited haze; however, it does not significantly reduce the contrast of the wind turbines against the horizon.

Perceived effect on scenic quality/viewer enjoyment:

Wind turbines are visible in the existing view; however, the scale and staggered placement of the turbines along the ridge line will minimally impact the scenic quality of the view for drivers along NYS Route 46.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 10 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 18
VIEWPOINT LOCATION: Gill Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☑ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

An active agricultural field is the central focal point of this summer time view enclosed by rolling, forested hills. A green, grass right-of-way interspersed with purple wildflowers occupies the right side of the near-foreground in this view. The grass right-of-way is backed by a mature corn field. In the middle ground, green shrubs and a mix of deciduous and evergreen trees screen the field from further sloping terrain. Distant clusters of trees are visible beyond, although they are partly screened by the middle ground hedgerow. The sky is a bright blue with minimal haze present in the distant background.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	3	Multiple turbines, some bisected by the topography, at various heights are visible across the view. The turbine located closest to the viewer (left side) compress the ridge top.
Vegetation	3	Foreground vegetation (corn field) is not severely impacted by the turbines.
Land Use	1.5	Working agricultural land.
Water	NA	None apparent.
Sky	3.5	Horizon is interrupted by multiple scaled wind turbines.
Viewer Activity	2.5	Agricultural activity will be minimally effected; Rural residential viewers likely to experience a degree of contrast.
Total	13.5	*Total all scores above*
Average	2.25	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 18

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The sky is clear of any cloud cover or haze, which provides the best visibility. Increased clouds or haze could reduce the visibility of the turbines, especially those located in the right side of the view.

Perceived effect on scenic quality/viewer enjoyment:

Viewers will notice the turbines and the scenic quality of the ridge line is likely to be somewhat diminished.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 10 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 23
VIEWPOINT LOCATION: Stone Bridge Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☑ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

The existing view looking Northeast from Stone Bridge Road is of rolling hills and agicultural land and buildings. The foreground view includes the gravel road, bordered by turf and a swath of yellow flowered shrubs interspersed with wooden fence posts. The view then moves to agricultural land, buildings and equipment. In the background is a dense, tree covered hillside. An existing utility line pierces the horizon. The summertime sky is blue with a few small clouds.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	3	The turbines and tower are highly visible and dominate the surrounding topography.
Vegetation	2.5	Foreground vegetation helps to mitigate the presence of the wind turbines and tower, which dominate the skyline.
Land Use	2	Roadside view to working upland agricultural fields and buildings.
Water	NA	None apparent.
Sky	3	The sky is dominated by the utility lines, wind turbines, and tower.
Viewer Activity	3	While the turbines do fit with the working agricultural landscape, residential viewers are likely to experience a degree of contrast.
Total	13.5	*Total all scores above*
Average	2.75	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 23

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The sky has a few small clouds; however, it does not reduce the contrast between the wind turbines or tower against the sky.

Perceived effect on scenic quality/viewer enjoyment:

This view includes rolling hills, forest, and agricultural structures. While wind turbines are often associated with agriculture, the size and scale of the turbines and tower compress the ridge line, dominate the sky, and may decrease the overall scenic quality for residential viewers and drivers along the rural road.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 10 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 36
VIEWPOINT LOCATION: Madison Road
LANDSCAPE SIMILARITY ZONE: Village

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☑ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

The focal point of the existing view is a cluster of brick buildings, one of which has a white steeple. The foreground view is of a groomed, recreation field. The central midground view includes an asphalt basketball court, and playground equipment and a tree-lined parking lot. The right side of the midground view includes metal fences at various heights, a track field, and what appears to be residential and storage structures. The hillside that rises behind the brick building is densely covered in a mix of evergreen and deciduous trees. The blue sky is blue dotted with a few clouds and a slight haze is present along the top of the hillside ridge line. Two structures, track and field ground lighting and a brick smoke stack, extend above the ridge line.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	2	There is some bisection of the turbine rotors along the horizon, but ridge trees are intact.
Vegetation	2	Vegetation remains intact and screens a portion of the turbines.
Land Use	2	Turbines are located in a village/residential setting.
Water	NA	None apparent.
Sky	2.5	The sky is partially dominated by background turbines in the left view.
Viewer Activity	3	Residential viewers are likely to experience a degree of contrast.
Total	11.5	*Total all scores above*
Average	1.92	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 36

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The summer sky is blue, with a few clouds and moderate light, white haze present along the ridge line. The turbines appear to be side lit. During clear skies when the turbines are back lit, they could have a higher degree of contrast.

Perceived effect on scenic quality/viewer enjoyment:

The view of the turbines may diminish the scenic quality for some residential viewers, as well as students and educators at SUNY Morrisville and the local elementary school.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 10 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 40
VIEWPOINT LOCATION: U.S. Route 20
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☑ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

The existing view along U.S. Route 20 is dominated by a four-lane divided highway corridor where the light gray asphalt, grassy median, and road markers comprise most of the foreground. The midground and background view is focused on rolling topography that includes the highway, which is bordered by grass and wildflowers and a dense mix of deciduous and evergreen trees. The sky is blue with a few small clouds present in this summertime view.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	2	The turbines extend above the ridge line, but do not enclose the viewer.
Vegetation	2	Foreground and midground vegetation helps to mitigate the scale of the turbines in the backgrounds.
Land Use	1.5	The four-land divided highway marks this as a working landscape, the turbines slightly increase this feeling.
Water	NA	None apparent.
Sky	2	The white turbines are clearly visible against the blue sky, but are softened by the midground view trees that similarly break the skyline.
Viewer Activity	1	Viewers at this location will be primarily focused on the roadway. The turbines could provide a point of interest.
Total	8.5	*Total all scores above*
Average	1.42	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 40

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The summer sky is blue with a few small clouds and a slight, white haze present along the horizon.

Traffic along the highway is minimal on this day. Heavy traffic or congestion could alter the perception of this view.

Perceived effect on scenic quality/viewer enjoyment:

The turbines are unlikely to reduce the scenic quality of the view for drivers along the four-lane divided highway. For some viewers, the turbines may introduce an interesting focal point along the highway corridor.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 10 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 41
VIEWPOINT LOCATION: Bliss Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☑ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

The existing summer time view looking east from Bliss Road is dominated by mix of tall grasses, shrubs, and wildflowers (Queen Anne's Lace and Goldenrod). The left side of the near foreground view includes a grass right-of-way mixed with small yellow flowers. A rolling hill covered with dense mix of deciduous and evergreen trees, and what appears to be several gray rooftops, is present in the midground view. On the right side view, near the horizon, there is a tree-covered hilltop, partially screened by the middle ground hedgerow.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	3	Multiple turbines at various heights, some bisected by the topography, are visible in the center of the view. The turbine located closest to the viewer (left side) tower over the surrounding topography and compresses the view.
Vegetation	2	Vegetation remains intact, but turbine located closest to the viewer towers over the trees.
Land Use	2	Vegetated view from the road.
Water	NA	None apparent.
Sky	2.5	The sky is partially dominated by the turbine closest to the viewer; most are difficult to see on the horizon.
Viewer Activity	2	Viewers at this location will be primarily focused on the roadway.
Total	11.5	*Total all scores above*
Average	1.92	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 41

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The sky is clear of any cloud cover, but there is some haze present in this summertime view. Increased clouds or haze could diminish the visibility of the turbines located in the background view.

Perceived effect on scenic quality/viewer enjoyment:

Several of the wind turbines in this view are either bisected or partially obscured by existing vegetation. While turbines are often associated with rural agricultural settings, the size and scale of the turbine located in the left side of this view is likely to reduce the scenic quality for viewers.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 10 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 42
VIEWPOINT LOCATION: Brooks Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☑ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

The foreground view looking Northwest along Brooks Road is of a lush, green hillside dotted with purple wild flowers. The midground view focuses on the rolling topography. The landform rises in the background, behind a ribbon of midground deciduous trees and shrubs. The summer sky is blue with a few small clouds present.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	3	The single white turbine dominates the left background view.
Vegetation	2	The vegetation is not severely impacted by the turbine.
Land Use	2	Undeveloped hillside.
Water	NA	None apparent.
Sky	3	The turbine takes up the sky in the left view.
Viewer Activity	3	Drivers will be paying attention to the road, however residential viewers will likely to experience a degree of contrast.
Total	13	*Total all scores above*
Average	2.17	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 42

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The sky has a few small clouds; however, it does not reduce the contrast of the turbine against the sky. The tower of the turbine and two of the blades are side lit and appear gray against the sky in this view.

Perceived effect on scenic quality/viewer enjoyment:

The presence and scale of the single turbine in this rural view will most likely not impact drivers along the rural road, but could significantly diminish the scenic quality for nearby residential viewers.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 12 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 45
VIEWPOINT LOCATION: Nichols Pond Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*

☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☑ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

The foreground view is dominated by a paved, rural road bordered by low grasses and shrubs. A green, hilly backdrop is broken up by intermittent clusters of trees, vegetation and a residential and agricultural structures. The background view consists of sloping hills that are somewhat screened by trees in the midground view. The center view of the horizon features two, existing back lit wind turbines.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	2	Existing and new turbines are noticeable but do not compress the landform or enclose the viewer.
Vegetation	2	Vegetation remains intact; turbines extend above the tree line, but don't compress the vegetation.
Land Use	1.5	Turbines are already present in this agricultural setting.
Water	NA	None apparent.
Sky	2	The additional turbines are visible but do not dominate the sky.
Viewer Activity	1.5	The turbines visually connect to the existing wind farm.
Total	9	*Total all scores above*
Average	1.5	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 45

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The summer sky shifts from a light white along the ridge top to a clear blue with a few, small clouds. the turbines are back lit in this view and appear gray against the horizon. The may be softened during side or font-lit conditions.

Perceived effect on scenic quality/viewer enjoyment:

Viewers will notice the turbines, but they seem to work with the agricultural use of the land. The scenic quality of the ridge line will most likely be minimally diminished for drivers along the rural road; however, the contrast of the turbines against the sky could negatively impact residential views.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SC
DATE: 24 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 50
VIEWPOINT LOCATION: Buyea Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*

☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☑ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

This summertime view pans across a rural residential and agricultural setting in two frames. The overall view looks across a foreground rural road and is backed by a green, rolling hill dotted with purple and yellow wildflowers and low grass. The mid line view includes agricultural equipment, mature deciduous trees, a wood swing set , utility poles, and agricultural structures. A single wind turbine sits on the horizon in the left portion of the first frame. Moving to the right, an established forest of deciduous and evergreen trees is backed by a rolling hill with a residential structure present. The horizon includes a tree lined ridge with a single metal structure (possible cell tower) that pierces the horizon. The sky is clear and fades from a white haze along the ridge line to a bright blue.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	1.5	Turbines are visible (some partially bisected) across the two frame view, but do not diminish the rolling topography.
Vegetation	1.5	Vegetation remains intact; the turbines slightly compress the topography.
Land Use	1	Wind turbines are consistent with rural agricultural land use.
Water	NA	None apparent.
Sky	2	Existing turbine and cell tower crosses the sky in the left view. The light white of the sky along the horizon softens the view of the turbines.
Viewer Activity	1.5	Rural agricultural activity unlikely to experience significant changes due to the presence of existing utility lines and turbine.
Total	7.5	*Total all scores above*
Average	1.25	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 50

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

A light haze is resting along the ridgeline at the horizon, which may be softening the appearance of the base of the turbines. The turbines appear to be side lit. When back lit, the contrast may be enhanced.

Perceived effect on scenic quality/viewer enjoyment:

The rolling, agricultural views have a relatively high scenic quality. The turbines positioned at various distances slightly enclose the viewer, but do not limit long distance views. Wind turbines are often seen in rural agricultural settings and there is an existing turbine present in the left portion of the first view. This project may partially diminish enjoyment for some viewers, but for most, the turbines should add visual interest to the landscape.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 12 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 54
VIEWPOINT LOCATION: South Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☑ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☑ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

The view looks out from South Road toward a rural, agricultural setting. Low green and brown grasses and yellow wildflowers are present in the foreground. A single fence post is present in the right view. The viewer's eye moves to a mature cornfield in the middle ground. A white silo is present in the center view and a portion of a residence can be seen to the right. The background view is predominantly a gently sloping hill, with a dense forest present in the in the left view and a grassy hillside on the right, which is partially obscured by treetops from a line of trees separating the cornfield from the sloping hill. A tree line is also present along the ridge line.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	3.5	The turbines appear to flatten the terrain.
Vegetation	3	Vegetation remains intact, but turbine tower over the forested areas.
Land Use	2.5	The addition of turbines of this scale to agricultural and forested land uses turns more towards energy production.
Water	NA	None apparent.
Sky	3.5	The sky is dominated by the turbines.
Viewer Activity	3.5	Residential viewers are likely to experience a high degree of contrast.
Total	16	*Total all scores above*
Average	2.67	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 54

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The side lit turbines are softened somewhat by the light haze present in the sky. During conditions in which the turbines are back lit or the sky is a deeper blue could result in a higher degree of contrast.

Perceived effect on scenic quality/viewer enjoyment:

Due to the scale of the turbines and the way they dominate the sky and ridge line, the scenic quality for residential viewers and drivers may be diminished.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 12 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 58
VIEWPOINT LOCATION: Hardscrabble Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☑ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

this summertime view looking North-northeast from Hardscrabble Road is of a rural setting. The foreground includes a paved road with low grasses, shrubs and small yellow and purple wildflowers along the shoulder. A wood post and wire fence separate the road from a lush, grassy field. Behind the field there is an undulation in topography with deciduous trees backing the field. More distant forested hills are present in the background.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	1.5	Turbines are visible across the view, but do not dominate or compress the landform.
Vegetation	1	Vegetation remains intact.
Land Use	1	Rural residential/agriculture.
Water	NA	None apparent.
Sky	1	Due to the distance of the turbines, the sky line was minimally interrupted.
Viewer Activity	1	Most viewers will be watching the road; the residential experience could be affected.
Total	5.5	*Total all scores above*
Average	0.92	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 58

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The summer sky is blue with light, white haze present along the horizon. The turbines in the background are distant, small in scale, and harder to see because of the haze. During clear, blue sky conditions, or when the turbines are side lit or back lit, they may have more visual dominance.

Perceived effect on scenic quality/viewer enjoyment:

This rural view of grassy fields and rolling hills is minimally impacted by the project due to distance, scale, and spacing of the turbines along the ridge line.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 10 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 60
VIEWPOINT LOCATION: Cazenovia Art Park
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☐ Short/Brief/Fleeting
☐ Occasional	☑ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

A dirt path and manicured, green grass is present in the foreground of this summertime view. The viewer's eye moves to a mix of wild brown and green grasses dotted with yellow wildflowers and small cluster of shrubs in the center view. The focal point of the midground view includes a dirt driveway, and stone gateway leading to the Dorothy Riester House & Studio (left side of view), and a dark, dense row of evergreen and deciduous trees to the right. The background ridge is dotted with what appears to be residential units. An existing water tower is visible in the background hillside, but it does not diminish or distract from the horizon view.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	1	Turbines are distant on the horizon line and small in scale.
Vegetation	1	The vegetation is minimally impacted by the turbines.
Land Use	1	There is minimal contract to rural residential land use with turbines in place.
Water	NA	None apparent.
Sky	1	The turbines have a minimal effect on the skyline.
Viewer Activity	1	
Total	5	*Total all scores above*
Average	0.63	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 60

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The sky has some limited haze; however, it does not reduce the contrast of the wind turbines on the horizon against the sky. The turbine towers and blades are difficult to see due to the far viewing distance.

Perceived effect on scenic quality/viewer enjoyment:

The scenic quality of this view will be minimally reduced by the project. The turbines located along the ridge line are distant and small in scale.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 10 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 63
VIEWPOINT LOCATION: Lorenzo State Historic Site
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☑ Low ☐ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☑ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

The view is looking east from the Lorenzo State Historic Site during the summer where the colors are a combination of vibrant greens and yellows. The foreground view includes freshly cut grass and a dirt path. The mid ground view includes a white vehicle traveling on Route 13. Both sides of the road are marked with road markers and signage.
A dense deciduous and evergreen hedgerow conceals part of the background view. A residential structure is present in the center view along the background ridge. Existing utility poles and lines are visible across the view.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	1	The turbine works with the landform.
Vegetation	1	The vegetation does not appear to be impacted by the turbine.
Land Use	1	Lorenzo State Historic Site.
Water	NA	None apparent.
Sky	1.5	The horizon is taken up by utility lines, which partially obstruct the view of the turbine.
Viewer Activity	1.5	Viewers at this location will primarily be focused on the road. Visitors to Lorenzo State Historic site might experience a slight degree of contrast.
Total	6	*Total all scores above*
Average	0.92	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 63

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The sky ranges from a light white haze that settled along the horizon to a clear blue. No clouds are present.

Perceived effect on scenic quality/viewer enjoyment:

Viewers traveling on NYS Route 13 may find interest in the turbine. Viewer groups visiting the Lorenzo State Historic Site will be minimally impacted by the turbine, which is partially obscured by trees located along the ridge line and existing utility lines.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 10 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 68
VIEWPOINT LOCATION: Bingley Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☐ Low ☑ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☐ Rare	☑ Short/Brief/Fleeting
☐ Occasional	☐ Moderate
☑ Regular/Repeated	☐ Long

EXISTING VIEW DESCRIPTION:

The existing view is agricultural and rural residential. The foreground includes wild grasses, a wood post and wire farm fence surrounded by purple wildflowers. The mid ground view includes a wood post and wire farm fence, residential structures and vehicles, a cluster of evergreen trees that pierce the horizon, and a row of utility poles. There is limited clearing in the left background view where a resdiential structure is present. The center and right background view is of aare densely covered in a mix of evergreen and deciduous trees.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view)

Component	Score Installation	Description of Contrast
Landform	2	The turbines are spread out at various heights and work with the landform.
Vegetation	1.5	The vegetation is not severely impacted by the turbines.
Land Use	2	Rural Residential.
Water	NA	None apparent.
Sky	2	Horizon is impacted by utility lines and multiple scaled turbines.
Viewer Activity	2	Most viewers will be focused on the road; residential viewers may be minimally impacted by the development.
Total	9.5	*Total all scores above*
Average	1.58	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 68

EFFECTIVENESS AND PERCEIVED VARIABILITY

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The sky is clear of any cloud cover or haze, which provides the best visibility. Increased clouds or haze could reduce the visibility of the turbines, especially those that are in the background ridge top view.

Perceived effect on scenic quality/viewer enjoyment:

The scenic quality for those driving along the rural road will be minimally impacted by the project due to the presence of existing utility lines which pierce the sky near the ridge line. Residential viewers may be more susceptible to the contrast created by clusters of turbines in the left and right portions of the view.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 24 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 69
VIEWPOINT LOCATION: Cody Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☑ Low ☐ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☑ Repeated/Regular	☐ Long
☐ Rare	☑ Short

EXISTING VIEW DESCRIPTION: *(Please describe this view in your own words)*

The foreground of this winter view is a rural road and small, plowed embankment along the right-of-way. A series of utility poles and lines lies between the road and a gently sloping hill covered brown grasses, small trees and shrubs. The horizon view includes a ridge of evergreen and deciduous (leaf-off) trees. The vegetation along the ridge line is interrupted in the left portion of the view. It appears to have been cleared to accommodate the utility lines. The gray sky is dominated by a series of utility lines and a single wind turbine.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view, and the 5-7 Year post-installation photosimulation and the existing view)

Component	Score Installation	Score 5-7 Year	Description of Contrast
Landform	3.5	3.5	Attention is drawn from the existing topography and utility lines to the substations.
Vegetation	3.5	3.5	The project obscures the field and a portion of the trees along the ridge line. It appears that the tree line in the right portion of the view has been cleared to accommodate the Collection and POI substations.
Land Use	3	3	Existing utility lines and wind turbine mark this as a working landscape. The project increases that feeling.
Water	NA	NA	None apparent.
Sky	3	3	The project, coupled with existing utility lines and wind turbine, dominate the skyline view.
Viewer Activity	3.5	3.5	Viewers at this location may be significantly affected by the development.
Total	16.5	16.5	*Total all scores above*
Average	2.75	2.75	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 69

EFFECTIVENESS AND PERCEIVED VARIABILITY

Effectiveness of mitigation plantings after 5-7 years of growth:

After five to seven years of growth, the mitigation planting provide minimal screening of the substation.

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The sky is overcast in this wintertime view. As a result, the wind turbine and some of the distant utility lines blend into the sky. During the summer when leaves are present on the deciduous trees the contrast might be further reduced.

Perceived effect on scenic quality/viewer enjoyment:

The project will most likely have a negative impact on the scenic quality of this view. The existing landform and vegetation will be altered or obstructed by the addition of the substations. Despite the existing utility lines and wind turbine present in the working landscape, the project's close proximity to the road dominates the view and will likely reduce viewer enjoyment.

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Project
EDR PROJECT NUMBER: 21028

RATING PANEL INFORMATION:
NAME: SFC
DATE: 24 January 2024

VIEWPOINT INFORMATION:

VIEWPOINT NUMBER: 70
VIEWPOINT LOCATION: South Road
LANDSCAPE SIMILARITY ZONE: Agricultural/Rural Residential

VIEWPOINT SENSITIVITY:

SCENIC QUALITY: *(Please rate existing scenic quality)*
☑ Low ☐ Moderate ☐ High

VIEWER EXPOSURE: *(Please rate frequency and duration of view)*

Frequency	Duration of View
☑ Repeated/Regular	☐ Long
☐ Rare	☑ Short

EXISTING VIEW DESCRIPTION: *(Please describe this view in your own words)*

The foreground of this winter view is occupied by a slush-covered, rural road and plowed embankment along the right-of-way. A strip of tall grass is present between the right-of-way and an open field covered by snow. Stalks from a harvest agriculture field break the snow pack. The mid ground view includes two cars on the rural road, a line of evergreen and deciduous trees (leaf-off), and a wooden agricultural fence and structures. The overcast sky is dominated by a utility pole and wires.

CONTRAST RATING SCORE CHART:

Insignificant		Minimal		Moderate		Appreciable		Strong
0	0.5	1	1.5	2	2.5	3	3.5	4

CONTRAST RATING TABLE

(Please rate the level of contrast between the installation photosimulation and the existing view, and the 5-7 Year post-installation photosimulation and the existing view)

Component	Score: Installation	Score: 5-7 Year	Description of Contrast
Landform	1.5	1.5	The structure and turbine extend above the ridge line, but do not enclose the viewer due to the presence of existing utility lines.
Vegetation	1.5	1	The vegetation remains intact; existing utility lines already tower over vegetation.
Land Use	1.5	1.5	The rural road, agricultural structures, and utility lines mark this as a working landscape; the structures and turbine increase this feeling.
Water	NA	NA	None apparent.
Sky	2	2	The structure and turbine extend into the horizon but do not dominate the sky due to the presence of existing utility lines.
Viewer Activity	1.5	1.5	Viewers at this location will be primarily focused on the roadway. The structure and turbine could provide a point of interest.
Total	8	7.5	*Total all scores above*
Average	1.33	1.25	*Average all scores above*

VISUAL CONTRAST RATING FORM

PROJECT: Hoffman Falls Wind Farm
EDR PROJECT NUMBER: 21028

VIEWPOINT NUMBER: 70

EFFECTIVENESS AND PERCEIVED VARIABILITY

Effectiveness of mitigation plantings after 5-7 years of growth:

The mitigation plantings partially screen the view of the structure from the rural road, but have little impact lessening the contrast of the turbine.

Variable factors that may have influenced rating *(atmospheric conditions, season, etc.)*:

The winter sky is gray and overcast and the turbine, which is side-lit, appears dark on the horizon. Front lit conditions in which the turbine appears white will better blend with the sky.

Perceived effect on scenic quality/viewer enjoyment:

On their own, open agricultural fields have a relatively high scenic quality. Existing utility lines enclose the viewer, but do not limit long distance views. The addition of the O&M building and single wind turbine partially restrict that view, which may diminish the scenic quality for some. Other viewers, particularly those driving along the rural road, might find that the building and turbine add a point of interest.

Emily A. Garavuso, RLA

Senior Landscape Architect / Project Manager

Education

- Bachelor of Landscape Architecture, State University of New York College of Environmental Science and Forestry, 2006

Registration

- Registered Landscape Architect: NY #002690

Professional Affiliations

- Member, American Society of Landscape Architect (ASLA)
- Member, NY Upstate ASLA Chapter Board: Student Liaison to SUNY College of Environmental Science & Forestry, 2020-present

Employment History

- Senior Landscape Architect/Project Manager, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, DPC, Syracuse, NY, 2018-present
- Associate Landscape Architect, Maxian + Horst Landscape Architects + Land Planners PLLC. WBE., Syracuse, NY, 2017-2018
- Landscape Designer, Maxian + Horst Landscape Architects + Land Planners PLLC. WBE., Syracuse, NY, 2007-2017

Emily Garavuso is a Project Manager and Senior Landscape Architect with EDR. She is a registered Landscape Architect in the state of New York with 16+ years of professional experience in the field. Emily served as a board member of the New York Upstate Chapter of the American Society of Landscape Architects from 2019-2022. She has practiced on a wide range of projects including residential, commercial, institutional, industrial, municipal, and environmental. Her knowledge includes civil engineering such as stormwater hydrology, community and land use planning, visual impact assessment and mitigation.

As a project manager Emily's responsibilities include: all stages of design development from concept through construction documents, bidding and construction administration phases; providing technical guidance to production team; performs research and consults with government agencies that may have jurisdiction over a project area; consultation with material suppliers and experts as required; coordinates in-house production activities with those of the prime consultant, project sub-consultants to EDR and other disciplines within EDR.

Project Experience

SOLAR/WIND/BATTERY STORAGE

White Creek Solar, Livingston County, NY – Provided visual impact assessment rating for development of a proposed 135 MW solar facility located on approximately 1,679 acres in the Towns of Leicester and York, Livingston County, NY.

Alfred Oaks Solar, Allegany, NY – Provided visual impact assessment rating for development of a proposed 100 MW solar facility located on 1,093.7 acres in the Town of Alfred, Allegany County, NY.

Union Ridge Solar, Licking County, OH - Provided landscape mitigation and buffering design services and developed vegetation management strategy for a proposed 108-megawatt solar facility spanning approximately 550 acres. Developed various mitigation strategies to address specific neighborhood concerns and aesthetic goals.

Wheatsborough Solar, OH - Provided landscape design services and developed vegetation management strategy for a proposed 125-megawatt solar facility with on-site battery storage facility. Instrumental in developing a comprehensive screening and revegetation strategy spanning the 600-acre project area.

Tymochtee Solar, OH - Provided landscape design services, vegetation management strategy, and tree and shrub protection plan for a proposed 120-megawatt solar facility with on-site battery storage facility. Developed a comprehensive screening and revegetation strategy spanning the 1,900-acre project area.

Hannacroix Solar, New Baltimore, NY – Provided grading plans, and erosion and sediment control plans together with drainage calculations for the development of the Stormwater Pollution Prevention Plan (SWPPP) for a 5-megawatt solar facility located on 38 acres in the Town of New Baltimore in Greene County, NY.

Hawthorn Solar, Hoosick, NY – Developed Concept site plan for site plan review for of a 20-megawatt solar facility located on 300 acres in the town of Hoosick, in Rensselaer County, NY.

Dolan Solar, Fort Edward, NY – Developed Concept site plan for site plan review for of a 20-megawatt solar facility located on 225 acres in the town of Fort Edward, in Washington County, NY

Feliciano Solar, New Baltimore, NY – Provided grading plans, and erosion and sediment control plans together with drainage calculations for the development of the Stormwater Pollution Prevention Plan (SWPPP) for a 2.5-megawatt solar facility located on 35 acres in the Town of Ticonderoga in Essex County, NY.

Riverhead Solar, Calverton, NY – Provided visual impact assessment rating for development of a proposed 36 MW solar facility located on 283 acres in the Town of Riverhead in Suffolk County, NY.

Flint Mine Solar, Coxsackie, NY – Provided visual impact assessment rating for development of a proposed 100 MW solar facility located on 1,638 acres in the Towns of Coxsackie and Athens, in Greene County, NY.

Mohawk Solar, Canajoharie and Minden, NY – Provided landscape design services vegetation management strategy, and tree and shrub screening for a proposed 90.5 MW solar facility located on 530 acres in Montgomery County, NY.

Alamo Solar, Washington and Gasper, OH – Provided landscape design services vegetation management strategy, and tree and shrub screening for a proposed 90 MW solar facility located on 994 acres in Preble County, OH.

Wild Grains Solar, Van Wert County, OH - Provided landscape design services, vegetation management strategy, and tree and shrub protection plan for a proposed 150-megawatt solar facility. Developed a comprehensive screening and revegetation strategy spanning the 2,324-acre project area. Developed a site lighting plan

Flint Grid Energy Storage System, Jersey, OH – Provided landscape design services vegetation management strategy, and tree and shrub protection plan for a proposed 200-megawatt battery storage facility. Developed a comprehensive screening and revegetation strategy spanning the 15-acre project area located in Jersey Township in Licking County, OH.

Moraine Solar, Burns, NY – Provided visual impact assessment rating for development of a proposed 94 MW solar facility located on 842 acres in the Town of Burns and Dansville, in Allegany and Steuben Counties, NY.

Alle-Catt Wind Farm, NY – Provided visual impact assessment rating for development of a proposed 117 MW turbine wind facility located on 26,900 acres of leased land in the Towns of Arcade, Centerville, Freedom, Farmersville and Rushford, in Allegany, Cattaraugus, and Wyoming Counties, NY

Horseshoe Solar, Rush, NY – Provided visual impact assessment rating for development of a proposed 180 MW solar facility located on 1,870 acres in the Town of Caledonia and Town of Rush, in Monroe County, NY.

Powell Solar Facility, Paulding County, OH – Provided native plant selection for visual mitigation modules as well as compiled the Landscape Mitigation Report for a 150 MW photovoltaic solar facility spanning 2022 acres across Liberty and Palmer Townships in Putnam County, Ohio.

Yellowbud Solar, OH – Provided native plant selection for visual mitigation modules as well as compiled the Landscape Mitigation Report for a 274 MW photovoltaic solar facility spanning 2040-acres across Union, Wayne, Deerfield and Deer Creek Townships in Pickaway and Rosa Counties, Ohio.

JONATHAN PEET RLA ASLA

Principal

Licensure

- Registered Landscape Architect in the State of New York (#002436-1)
- Registered Landscape Architect in the Commonwealth of Massachusetts (#1501)

Education

- Bachelor of Science in Landscape Architecture, State University of New York, College of Environmental Science and Forestry, 2000

Professional Memberships

- American Society of Landscape Architects, Member
- New York State Association of Transportation Engineers, Member

Other

- Guest Lecturer / Guest Critic at SUNY ESF and Cornell University, 2013 - Present
- New York State Association of Transportation Engineers Conference Presenter, 2016

Professional Experience

- TWM Fisher Associates, Senior Project Manager, Ithaca NY, 2021 to 2023
- Trowbridge Wolf Michaels Landscape Architects, Senior Landscape Architect, Ithaca NY, 2013 to 2021
- Halvorson Design Partnership, Senior Associate, Boston MA, 2003 to 2013
- Bergmann Associates, Landscape Designer, Rochester NY, 2000 to 2003

Jonathan is a registered landscape architect with 23 years of experience managing and collaborating with multidisciplinary teams to provide design services for municipal, commercial, and institutional clients. He has worked from conceptual design through construction observation on many successful projects, with an emphasis on community engagement and design communications on complex transportation and greenspace projects. His focus is on public landscapes that foster community, create common ground, and strengthen ecological connections.

CURRENT PROJECT WORK

SUNY Cobleskill Renovation and Addition to Home Economics (2025)
Skaneateles Library (2025)
North Tonawanda Twin City Memorial Highway (2025)
City of Ithaca Active Transportation Plan (2025)
City of Corning Comprehensive Plan (2024)
Cornell University Treman Triangle Park Ped Bridge Feasibility Study (2023)

SELECT PROJECTS UNDER PRIOR EMPLOYMENT

INFRASTRUCTURE / STREETSCAPES

I-81 Viaduct Project, Phase 1 Contract 3, Syracuse, NY (2023)
I-81 Viaduct Project, Phases I-IV and VIA, Syracuse, NY (2022)
Inner Loop North Transformation Project, Rochester, NY (2022)
State Street Reconstruction Project, Rochester, NY (2022)
I-690 Teall Ave Interchange, Directed Design, Syracuse, NY (2016)
Governor Mario M. Cuomo (Tappan Zee) Bridge Shared Use Path and Landings, Nyack-Tarrytown, NY (2014)

PARKS / GREENSPACE / WATERFRONTS

High Falls State Park Preliminary Concept Plan, Rochester, NY (2022)
Allegany State Park Comport Stations, Salamanca, NY (2021)
Buffalo Outer Harbor Wilkeson Pointe Activation, Buffalo, NY (2022)
Terminal B at Buffalo Outer Harbor, Buffalo, NY (2021)
Buffalo Outer Harbor Comprehensive Plan, Buffalo, NY (2019)
Buffalo Outer Harbor Civic Improvements, Buffalo, NY (2019)
Buffalo Harbor State Park, Buffalo, NY (2016)
High Falls Pedestrian Access Plan, Rochester, NY (2016)

HIGHER EDUCATION

Cornell University North Campus Residential Expansion, Ithaca, NY (2018)

COMMERCIAL

Catherine Commons, Ithaca, NY (2022)
Corning Inc. Campus Landscape and Atria Renovation, Corning, NY (2020)

RESIDENTIAL / HOUSING

INHS 210 Hancock Street Redevelopment, Ithaca, NY (2015)
INHS Stone Quarry Apartments, Ithaca, NY (2014)
INHS Greenways Residences, Ithaca, NY (2014)

Susan Caruvana, AICP, LEED, AP

Planning Services Manager

Ms. Caruvana AICP is a Planning Services Manager with EDR. Ms. Caruvana has assisted communities across NYS and VA for the past three decades in balancing land use, the environment, and quality of life issues through consensus-based planning. She has extensive experience in brownfield redevelopment, comprehensive planning, tourism and economic development, community outreach, and grant writing.

Education

- Virginia Polytechnic Institute & State University (Virginia Tech), Blacksburg, Fellow Academy for Leadership Excellence, 2002
- Master of Business Administration Pamplin College, Virginia Tech, 2000
- Master of Urban & Regional Planning Virginia Tech, 1988
- B.A., Urban Affairs Virginia Tech, 1986

Registration / Certifications

- AICP - American Institute of Certified Planners
- LEED AP - Leadership in Energy & Environmental Design Accredited Professional

Professional Affiliations

- American Institute of Certified Planners
- American Planning Association (APA)
- Upstate American Planning Association

Employment History

- Planning Services Manager, Environmental Design & Research, Landscape Architecture, Engineering and Environmental Services, D.P.C., Saratoga Springs, 2023-Present
- Senior Planner, Elan Planning & Design, LLC

Project Experience

Step 2 Brownfield Opportunity Area (BOA) Nomination Study (550 acres), Lyons Falls, NY

Rails to Trails and Greeneway Systems (Economic Development & Tourism Study, Greene County, NY

Agriculture & Healthy Communities Technical Report Glens Falls, NY

Step 2 Nomination Study Brownfield Opportunity Area (BOA) Nomination Study, City of Newburgh, NY

Brownfield Opportunity Area Nomination Study and Local Waterfront Revitalization Plan (LWRP), City of Gloversville, NY

Develop a Local Waterfront Revitalization Program and Brownfield Opportunity Area Plans for the North and South, City of Albany, NY

EPA Mid-City Area-Wide Brownfield Plan, City of Council Bluff, IA

Step 2 Nomination Study, NYS Brownfield Opportunity Area (BOA), Village of

Wappingers Falls, NY

Step 2 Nomination Study, Waterfront Heritage Area BOA, City of Amsterdam, NY

Step 2 Nomination Study BOA, Village of Catskill, NY

Step 2 Nomination Study, North and East Side BOA, City of Amsterdam, NY

Step 2 Nomination Study, Waterfront Heritage Area BOA, Fort Edward, NY

Step 2 Brownfield Opportunity Area (BOA) Nomination Study (550 acres), Village of Lyons

Falls, NY

City and Town of Oneonta Local Waterfront Revitalization Plan, City of Oneonta, NY (Ongoing)

Summit Reservoir Area Revitalization (BOA) (350 acres), Philmont, NY

New York Rising Community Reconstruction (NYRCR) Program, Tioga County, NY

New York Rising Resiliency Summit – Broome and Tioga Counties, NY

Long-Term Community Revitalization Strategy (LTCRS), Village of Nichols, NY

Long-Term Community Revitalization Strategy (LTCRS), Town of Nichols, NY

Long-Term Community Revitalization Strategy (LTCRS), Village of Owego, NY

Long-Term Community Revitalization Strategy (LTCRS), Town of Tioga, NY

Comprehensive Plan & Downtown Development Strategy, Village of Cooperstown, NY