Viewpoint VP1a

4317,4318,4320

Location

Corner of Old Joe Road and Baker Hill Road

LSZ: 1, (2), 3

Town: Dix

Photo Date: 4-30-2018

Orientation: SW

Viewpoint VP1b

4321,4322,4323

Location

Corner of Old Joe Road and Baker Hill Road

LSZ: 1, (2)

Town: Dix

Photo Date: 4-30-2018

Orientation: SE

Viewpoint VP2a

4324,4325

Location

Old Joe Road

LSZ: 1, (2), 3

Town: Dix

Photo Date: 4-30-2018

Orientation: S to W

Viewpoint VP2b

4326,4327,4328

Location

Old Joe Road

LSZ: 1, (2)

Town: Dix

Photo Date: 4-30-2018

Orientation: S

Viewpoint VP3a

4329,4330,4331

Location

Old Joe Road, eastern end

LSZ: 1, (2)

Town: Dix

Photo Date: 4-30-2018

Orientation: S

Viewpoint VP3b

4332,4333

Location

Old Joe Road, eastern end

LSZ: 1, (2)

Town: Dix

Photo Date: 4-30-2018

Orientation: SW

Viewpoint VP4

4334,4335,4336

Location

County Road 16

LSZ: 1

Town: Dix

Photo Date: 4-30-2018

Orientation: S/SW

Viewpoint VP5

4338,4339,4340

Location

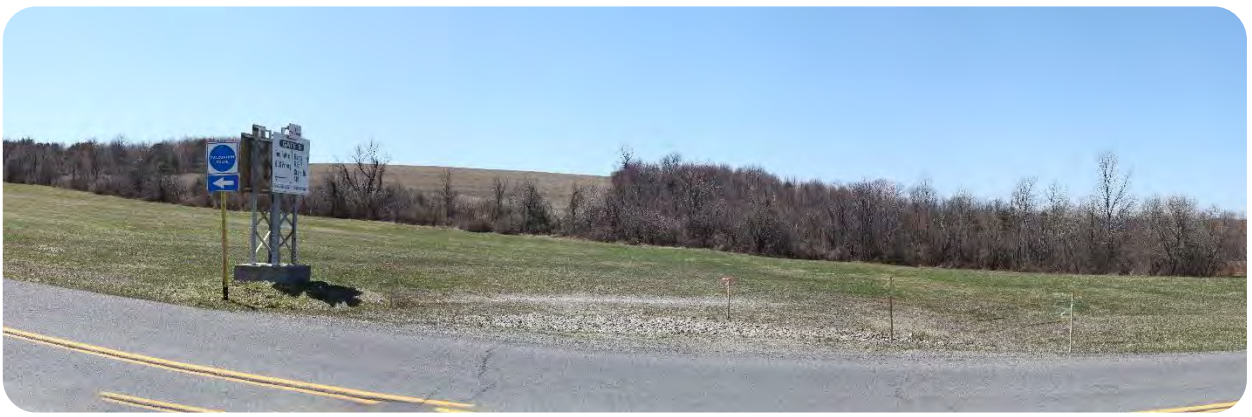
Kuhl-Winner Way

LSZ: 1

Town: Dix

Photo Date: 4-30-2018

Orientation: SW



Viewpoint VP6a

4342,4333, 4344

Location

Kuhl-Winner Way

LSZ: 1

Town: Dix

Photo Date: 4-30-2018

Orientation: W

Viewpoint VP6b

2416,2417,2418

Location

Kuhl Winner Way

LSZ: 1

Town: Eix

Photo Date: 02-12-2020

Orientation: W

Viewpoint VP7

4348,4349,4350

Location

Kuhl-Winner Way

LSZ: 1

Town: Dix

Photo Date: 4-30-2018

Orientation: S

Viewpoint VP8

4351,4352,4353

Location

Bronson Hill Road. Entrance to Watkins International. Gate to facility locked.

LSZ: 1, 3

Town: Dix

Photo Date: 4-30-2018

Orientation: SW

Viewpoint VP9a

4354,4355

Location

Bronson Hill Road.

LSZ: 1

Town: Dix

Photo Date: 4-30-2018

Orientation: NW

Viewpoint VP9b

4356,4357

Location

Bronson Hill Road.

LSZ: 1

Town: Dix

Photo Date: 4-30-2018

Orientation: SW

Viewpoint VP10

4358,4359

Location

Bronson Hill Road

LSZ: 1

Town: Dix

Photo Date: 4-30-2018

Orientation: NW

Viewpoint VP11

4363,4364

Location
Russell Hill Road

LSZ: 1, 3

Town: Dix

Photo Date: 4-30-2018

Orientation: N

Viewpoint VP12

4367,4368

Location
Baker Hill Road

LSZ: 1, 3

Town: Dix

Photo Date: 4-30-2018

Orientation: NE

Viewpoint VP13

4371,4373,4374

Location
Heddon Road

LSZ: 1, 3

Town: Dix

Photo Date: 4-30-2018

Orientation: NW

Viewpoint VP14a

4375,4376,4377

Location
Baker Hill Road

LSZ: 1

Town: Dix

Photo Date: 4-30-2018

Orientation: E

Viewpoint VP14b

4378,4379

Location
Baker Hill Road

LSZ: 1

Town: Dix

Photo Date: 4-30-2018

Orientation: NE

Viewpoint VP15

4380,4381,4382

Location
Baker Hill Road

LSZ: 1

Town: Dix

Photo Date: 4-30-2018

Orientation: W

Viewpoint VP16a

4384,4385,4386

Location
Baker Hill Road

LSZ: 1

Town: Dix

Photo Date: 4-30-2018

Orientation: SE

Viewpoint VP16b

4386,4387

Location
Baker Hill Road

LSZ: 1

Town: Dix

Photo Date: 4-30-2018

Orientation: SW

Viewpoint VP17

4388,4389

Location
Baker Hill Road

LSZ: 1

Town: Dix

Photo Date: 4-30-2018

Orientation: SW

Viewpoint VP18

4391,4392

Location

Bronson Hill Road

LSZ: 1, (2)

Town: Dix

Photo Date: 4-30-2018

Orientation: W

Viewpoint VP19

4393,4394

Location

Vanzandt Hollow Road

LSZ: 1, (2), 3

Town: Dix

Photo Date: 4-30-2018

Orientation: S

Viewpoint VP20

4395

Location

Townsend Road

LSZ: 1, (2)

Town: Dix

Photo Date: 4-30-2018

Orientation: S

Viewpoint VP21

4396, 4397

Location

Watkins Glen State Park

LSZ: 2

Town: Dix

Photo Date: 4-30-2018

Orientation: SW

Viewpoint VP22

2412,2413,2414

Location

Beaver Dams Moreland Road

LSZ: 1

Town: Dix

Photo Date: 2-12-2020

Orientation: N

Viewpoint

Location

LSZ:

Town:

Photo Date:

Orientation:

WATKINS GLEN SOLAR ENERGY CENTER
ARTICLE 10 EXHIBIT 24

SIMULATIONS AND LINES OF SIGHT

ATTACHMENT 4

Viewpoint Location Aerial

Viewpoint Location Topo

NEXTera ENERGY

Viewpoint Coordinates in	723939.2 E
NY State Plane Central	853959.1 N
Town	Dix
Viewer Elevation (ft msl)	1485
Distance to Fence Line	110 ft
Direction of View	S
Date/Time	4-30-2018/11:29 am

Watkins Glen Solar Energy Center
Dix, New York
Visual Simulation of Project
August 2020

VP3a OLD JOE ROAD

TRC

Existing Conditions

Simulation

VP3a OLD JOE ROAD

Viewpoint Location Aerial

Viewpoint Location Topo

NEXTera ENERGY

Viewpoint Coordinates in	724313.3 E
NY State Plane Central	855178.9 N
Town	Dix
Viewer Elevation (ft msl)	1450
Distance to Fence Line	0.26 miles
Direction of View	SW
Date/Time	4-30-2018/11:43 am

Watkins Glen Solar Energy Center
Dix, New York
Visual Simulation of Project
August 2020

VP4 COUNTY ROAD 16

TRC

Existing Conditions

Simulation

VP4 COUNTY ROAD 16

Viewpoint Location Aerial

Viewpoint Location Topo

NEXTera ENERGY

Viewpoint Coordinates in	725385.0 E
NY State Plane Central	851675.7 N
Town	Dix
Viewer Elevation (ft msl)	1613
Distance to Fence Line	496 feet
Direction of View	W
Date/Time	2-12-2020/10:06 am

Watkins Glen Solar Energy Center
Dix, New York
Visual Simulation of Project
August 2020

VP6b KUHL-WINNER WAY

TRC

Existing Conditions

Simulation

VP6b KUHL-WINNER WAY

Viewpoint Location Aerial

Viewpoint Location Topo

NEXTera ENERGY

Viewpoint Coordinates in	722115.2 E
NY State Plane Central	848843.5 N
Town	Dix
Viewer Elevation (ft msl)	1683
Distance to Fence Line	674 feet
Direction of View	N
Date/Time	4-30-2018/10:37 am

Watkins Glen Solar Energy Center
Dix, New York
Visual Simulation of Project
August 2020

VP12 BAKER HILL ROAD

TRC

Existing Conditions

Simulation

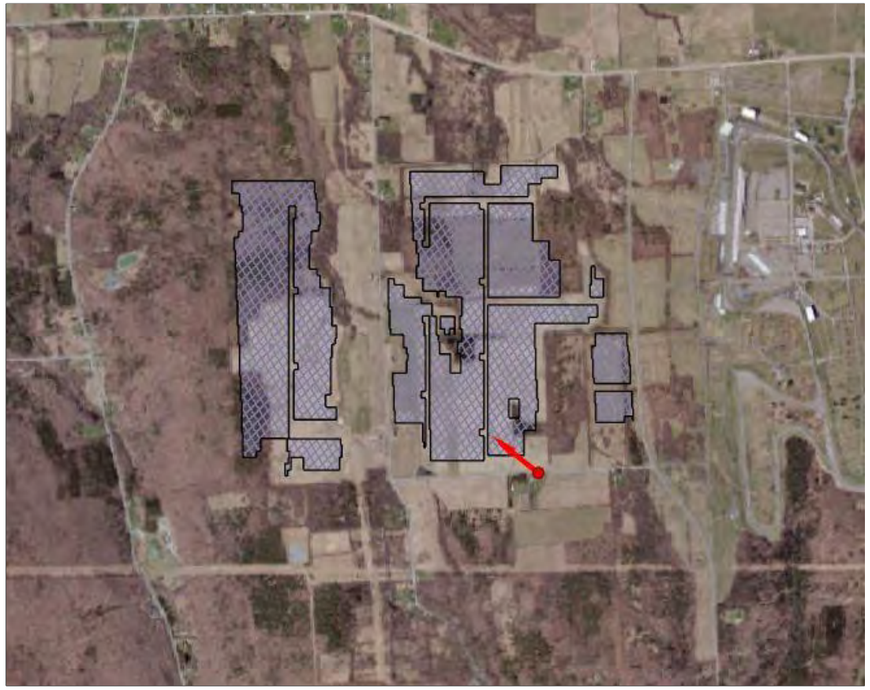
VP12 BAKER HILL ROAD

Simulation

Simulation – Mitigation at Five Years

VP12 BAKER HILL ROAD

Viewpoint Location Aerial



Viewpoint Location Topo

NEXTera ENERGY

Viewpoint Coordinates in	724011.2 E
NY State Plane Central	849372.1 N
Town	Dix
Viewer Elevation (ft msl)	1723
Distance to Fence Line	368 feet
Direction of View	NW
Date/Time	4-30-2018/12:08 pm

Watkins Glen Solar Energy Center
Dix, New York
Visual Simulation of Project
August 2020

VP13 HEDDON ROAD

TRC

Existing Conditions

Simulation

VP13 HEDDON ROAD

Simulation

Simulation – Mitigation at Five Years

VP13 HEDDON ROAD

Viewpoint Location Aerial

Viewpoint Location Topo

Viewpoint Coordinates in	721728.9 E
NY State Plane Central	851434.9 N
Town	Dix
Viewer Elevation (ft msl)	1581
Distance to Fence Line	872 feet
Direction of View	SW
Date/Time	4-30-2018/11:45 am

Watkins Glen Solar Energy Center
Dix, New York
Visual Simulation of Project
August 2020

VP16b BAKER HILL ROAD

Existing Conditions

Simulation

VP16b BAKER HILL ROAD

Viewpoint Location Aerial

Viewpoint Location Topo

NEXTera ENERGY

Viewpoint Coordinates in	721675.7 E
NY State Plane Central	853184.9 N
Town	Dix
Viewer Elevation (ft msl)	1492
Distance to Fence Line	846 feet
Direction of View	SW
Date/Time	4-30-2018/4:04 pm

Watkins Glen Solar Energy Center
Dix, New York
Visual Simulation of Project
August 2020

VP17 BAKER HILL ROAD

TRC

Existing Conditions

Simulation

VP17 BAKER HILL ROAD

Viewpoint Location Aerial

Viewpoint Location Topo

NEXTera ENERGY

Viewpoint Coordinates in	720762.9 E
NY State Plane Central	861244.7 N
Town	Dix
Viewer Elevation (ft msl)	1388
Distance to Fence Line	1.4 miles
Direction of View	S
Date/Time	4-30-2018/4:35 pm

Watkins Glen Solar Energy Center
Dix, New York
Visual Simulation of Project
August 2020

VP19 VANZANDT HOLLOW ROAD

TRC

Existing Conditions

Simulation

VP19 VANZANDT HOLLOW ROAD

Viewpoint Location Aerial

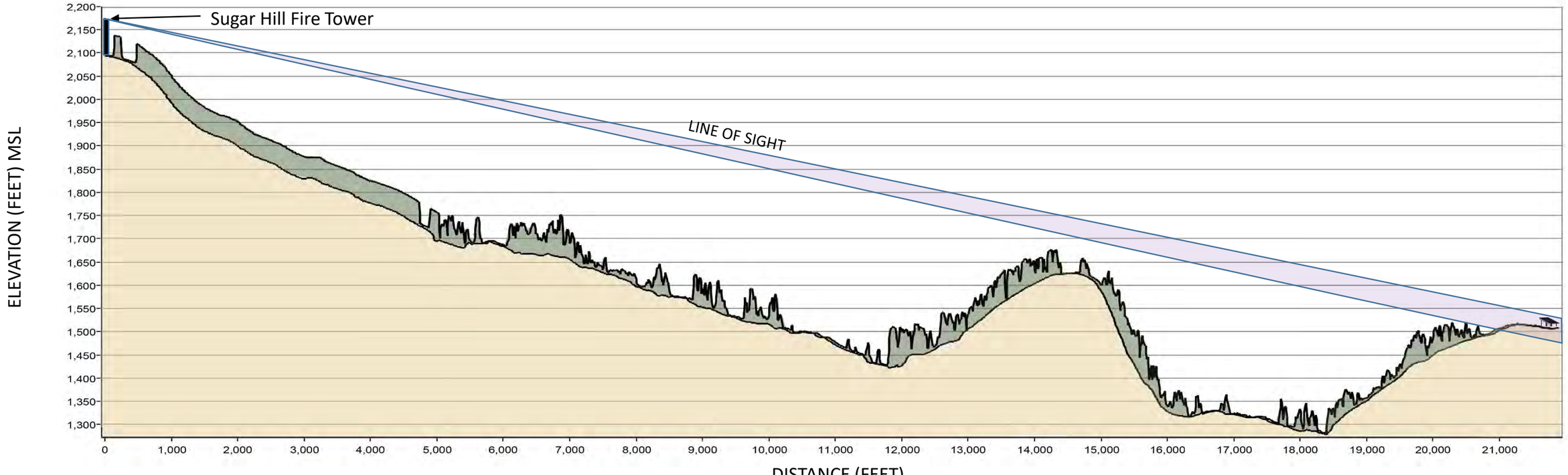
Viewpoint Location Topo

Viewpoint Coordinates in	724672.1 E
NY State Plane Central	838822.4 N
Town	Dix
Viewer Elevation (ft msl)	1531
Distance to Fence Line	2.1 miles
Direction of View	N
Date/Time	2-12-2020/3:25 pm

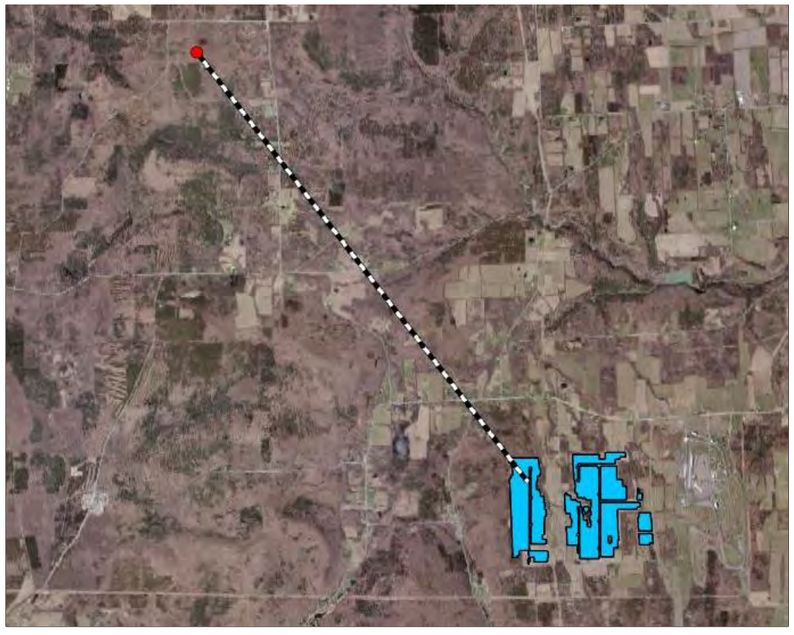
Watkins Glen Solar Energy Center
Dix, New York
Visual Simulation of Project
August 2020

VP22 BEAVER DAMS MORELAND ROAD: NO PROJECT VIEW

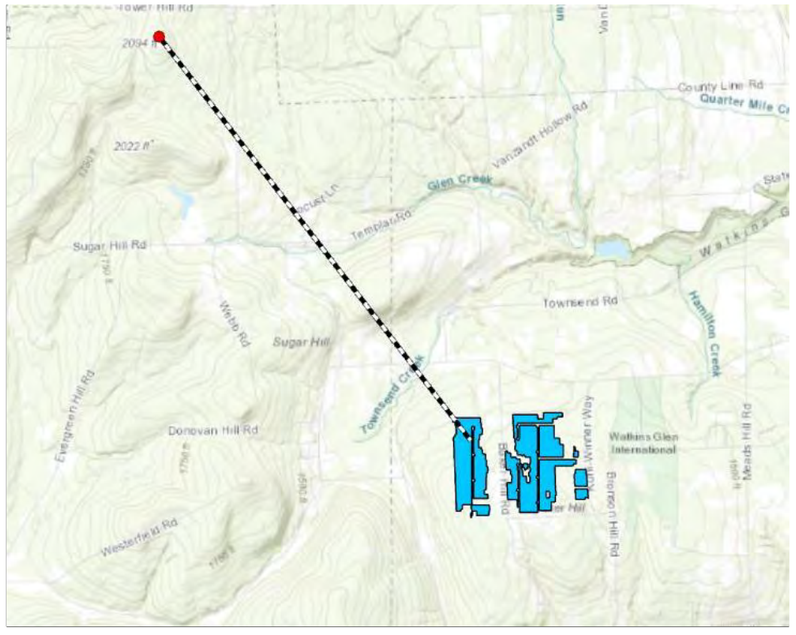
L1 - LINE OF SIGHT FROM SUGAR HILL FIRE TOWER TO PROJECT



Viewpoint Location Aerial



Viewpoint Location Topo



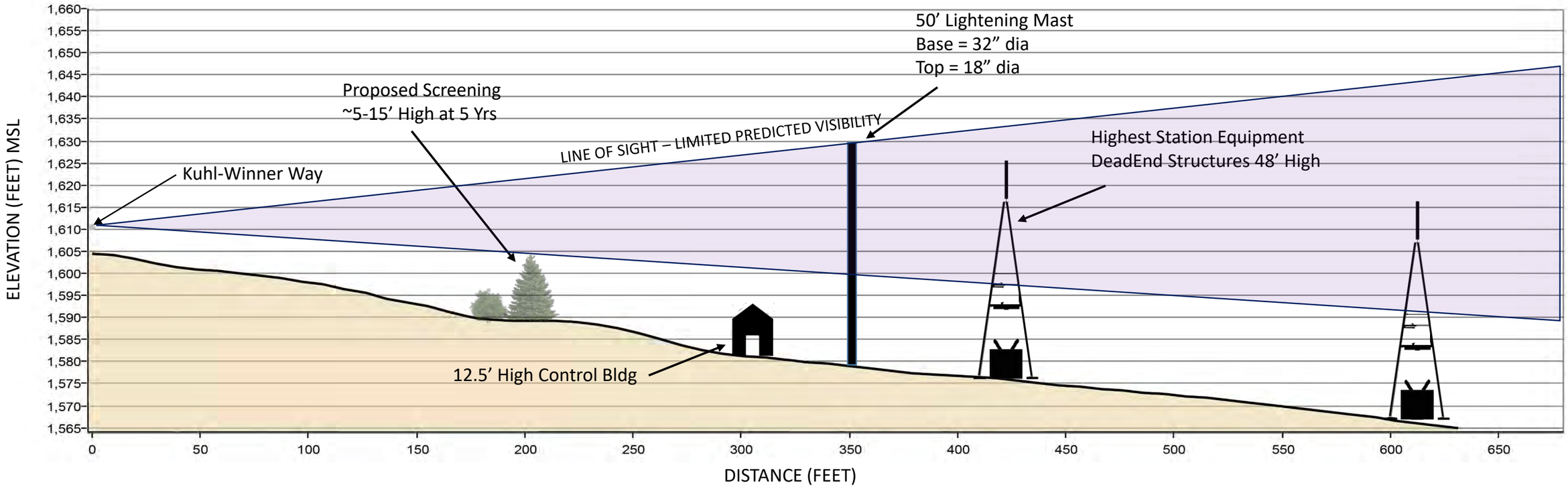
NEXTera ENERGY

Viewpoint Coordinates in	706958.3
NY State Plane Central	869990.1
Viewpoint Location	Sugar Hill Fire Tower
Distance to Object	4.1 miles
Direction of View	SE

Watkins Glen Energy Center
Dix, New York
Line of Sight
August 2020

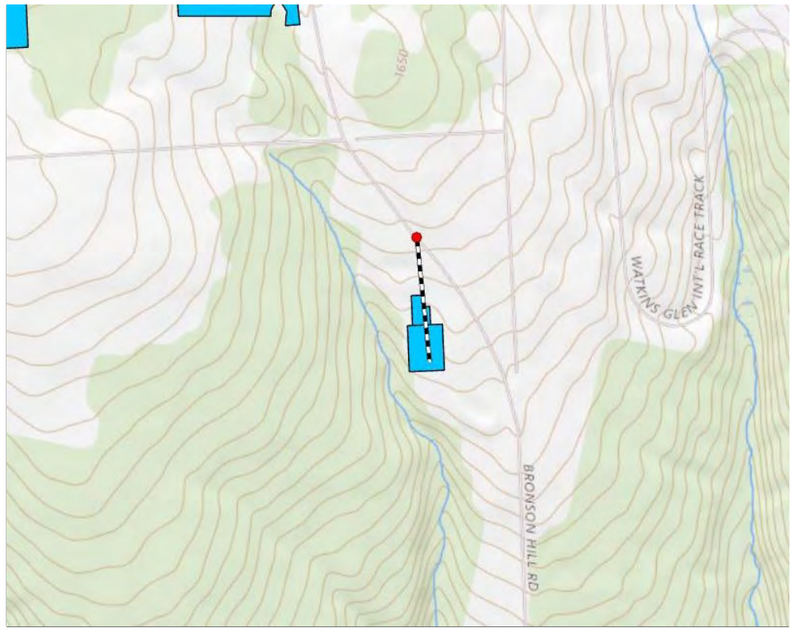
TRC

L2 – LINE OF SIGHT PROFILE KUHL-WINNER WAY 1 TO COLLECTION SUBSTATION



Viewpoint Location Aerial

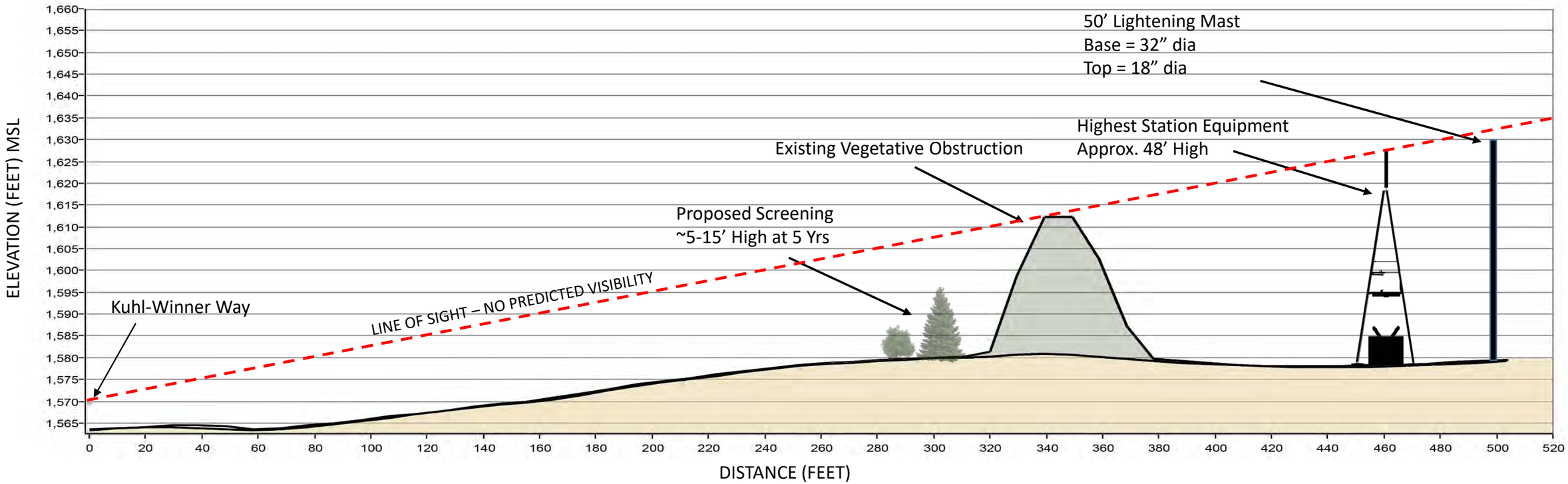
Viewpoint Location Topo



Viewpoint Coordinates in	726015.3
NY State Plane Central	848979.8
Viewpoint Location	Kuhl-Winner Way
Distance to Object	316 feet
Direction of View	S

Watkins Glen Energy Center
Dix, New York
Line of Sight
August 2020

L3 – LINE OF SIGHT PROFILE KUHL-WINNER WAY 2 TO COLLECTION SUBSTATION



Viewpoint Location Aerial

Viewpoint Location Topo

Viewpoint Coordinates in	726429.8
NY State Plane Central	848319.1
Viewpoint Location	Kuhl-Winner Way
Distance to Object	460 feet
Direction of View	NW

Watkins Glen Energy Center
Dix, New York
Line of Sight
August 2020

WATKINS GLEN SOLAR ENERGY CENTER
ARTICLE 10 EXHIBIT 24

OUTREACH CORRESPONDENCE

ATTACHMENT 5

Bartos, Judith

From: Kranes, Samantha
Sent: Monday, March 2, 2020 1:17 PM
To: Davis, Andrew (DPS)
Cc: Boer, William (William.Boer@nexteraenergy.com); michael.dowling@nexteraenergy.com; Bartos, Judith; Effler, Hayley
Subject: 17-F-0595 Visual Outreach Consult - Watkins Glen
Attachments: 17-F-0595 Visual Outreach Consultation - Davis.pdf

Mr. Davis,

Attached please find an information request regarding the Watkins Glen Solar Energy Center (the Project; Case No. 17-F-0595). We are requesting input from DPS regarding the Applicant's selection of important or representative viewpoints for inclusion in the Article 10 Application's Visual Impact Assessment (VIA). We kindly request your input by March 23, 2020. A hard copy of this consultation package can be provided upon request.

Thank you,
Samantha

Samantha Kranes
Senior Project Manager

215 Greenfield Parkway, Suite 102, Liverpool, NY 13088
T 315.362.2415| **F** 315.451.7903| **C** 518.396.0914
LinkedIn | Twitter | Blog | TRCcompanies.com

From: Davis, Andrew (DPS) <Andrew.Davis@dps.ny.gov>
Sent: Wednesday, March 4, 2020 12:17 PM
To: Kranes, Samantha <SKranes@trccompanies.com>
Cc: Boer, William (William.Boer@nexteraenergy.com) <William.Boer@nexteraenergy.com>; michael.dowling@nexteraenergy.com; Bartos, Judith <JBartos@trccompanies.com>; Effler, Hayley <HEffler@trccompanies.com>; Sammons, Marcy (DPS) <Marcy.Sammons@dps.ny.gov>
Subject: [EXTERNAL] RE: 17-F-0595 Visual Outreach Consult - Watkins Glen

Samantha – from a quick review, I note that the photographs provided include some that appear to be low resolution, as well as being nearly two years old (other than VPs 6b and 22). Please consider whether the photos represent conditions existing in 2020, or warrant updates. Also, please provide the original photo files that I expect would be higher resolution than the reprints in the pdf document. It would also be helpful to have shapefiles or kmz files of photo locations and the predicted areas of project visibility for a complete review of the viewpoint study.

DPS will endeavor to provide feedback by the date requested. Timely receipt of the information requested above would help us meet the requested reply date. If you have developed a list of recommended viewpoints and any rationale for those recommendations, that would be helpful for consideration, also.

Thanks for reaching out. If you have any questions or want to discuss further, please let me know.

Respectfully,
ACDavis
NYS Dept of Public Service
518-486-2853

From: Kranes, Samantha <SKranes@trccompanies.com>
Sent: Monday, March 02, 2020 1:17 PM
To: Davis, Andrew (DPS) <Andrew.Davis@dps.ny.gov>
Cc: Boer, William (William.Boer@nexteraenergy.com) <William.Boer@nexteraenergy.com>; michael.dowling@nexteraenergy.com; Bartos, Judith <JBartos@trccompanies.com>; Effler, Hayley <HEffler@trccompanies.com>
Subject: 17-F-0595 Visual Outreach Consult - Watkins Glen

Mr. Davis,

Attached please find an information request regarding the Watkins Glen Solar Energy Center (the Project; Case No. 17-F-0595). We are requesting input from DPS regarding the Applicant's selection of important or representative viewpoints for inclusion in the Article 10 Application's Visual Impact Assessment (VIA). We kindly request your input by March 23, 2020. A hard copy of this consultation package can be provided upon request.

Thank you,
Samantha

Samantha Kranes
Senior Project Manager

215 Greenfield Parkway, Suite 102, Liverpool, NY 13088
T 315.362.2415| **F** 315.451.7903| **C** 518.396.0914
LinkedIn | Twitter | Blog | TRCcompanies.com

Bartos, Judith

From: Kranes, Samantha
Sent: Thursday, March 5, 2020 11:44 AM
To: Davis, Andrew (DPS)
Cc: William Boer (Guest); michael.dowling@nexteraenergy.com (Guest); Bartos, Judith; Effler, Hayley; Sammons, Marcy (DPS)
Subject: RE: [EXTERNAL] RE: 17-F-0595 Visual Outreach Consult - Watkins Glen
Attachments: Watkins_VShed_02_06_2020.zip; Watkins PhotoPt.zip

Hi Andy,

Attached please find the requested shapefiles for Watkins Glen. The higher resolution photographs are being sent to your office on a flash drive, due to the file size and quantity of photographs. This should arrive to you tomorrow.

Thank you,
Samantha

Samantha Kranes
Senior Project Manager

215 Greenfield Parkway, Suite 102, Liverpool, NY 13088
T 315.362.2415| **F** 315.451.7903| **C** 518.396.0914
LinkedIn | Twitter | Blog | TRCcompanies.com

From: Kranes, Samantha
Sent: Wednesday, March 4, 2020 12:53 PM
To: Davis, Andrew (DPS) <Andrew.Davis@dps.ny.gov>
Cc: Boer, William (William.Boer@nexteraenergy.com) <William.Boer@nexteraenergy.com>; michael.dowling@nexteraenergy.com; Bartos, Judith <JBartos@trccompanies.com>; Effler, Hayley <HEffler@trccompanies.com>; Sammons, Marcy (DPS) <Marcy.Sammons@dps.ny.gov>
Subject: RE: [EXTERNAL] RE: 17-F-0595 Visual Outreach Consult - Watkins Glen

Andy,

Thank you for getting back to us so quickly with these preliminary comments. We will get back to you with the requested information as soon as we can.

Samantha

Samantha Kranes
Senior Project Manager

215 Greenfield Parkway, Suite 102, Liverpool, NY 13088
T 315.362.2415| **F** 315.451.7903| **C** 518.396.0914
LinkedIn | Twitter | Blog | TRCcompanies.com

Bartos, Judith

From: Kranes, Samantha
Sent: Monday, March 2, 2020 1:20 PM
To: Higgins, Michael T (DEC)
Cc: Boer, William (William.Boer@nexteraenergy.com); michael.dowling@nexteraenergy.com; Effler, Hayley; Bartos, Judith
Subject: 17-F-0595, Visual Outreach - Watkins Glen
Attachments: 17-F-0595 Visual Outreach Consultation - Higgins.pdf

Mr. Higgins,

Attached please find an information request regarding the Watkins Glen Solar Energy Center (the Project; Case No. 17-F-0595). We are requesting input from NYSDEC regarding the Applicant's selection of important or representative viewpoints for inclusion in the Article 10 Application's Visual Impact Assessment (VIA). We kindly request your input by March 23, 2020. A hard copy of this consultation package can be provided upon request.

Thank you,
Samantha

Samantha Kranes
Senior Project Manager

TRC
215 Greenfield Parkway, Suite 102, Liverpool, NY 13088
T 315.362.2415| **F** 315.451.7903| **C** 518.396.0914
LinkedIn | Twitter | Blog | TRCcompanies.com

Bartos, Judith

From: Kranes, Samantha
Sent: Monday, March 2, 2020 1:46 PM
To: clerk@townofdix.com
Cc: Boer, William (William.Boer@nexteraenergy.com); michael.dowling@nexteraenergy.com; Effler, Hayley; Bartos, Judith
Subject: Watkins Glen Solar, Visual Consult
Attachments: 17-F-0595 Visual Outreach Consultation.pdf

This request is for Daniel Teed, Town of Dix Historian. As indicated on the Town of Dix website, this correspondence is being sent to clerk@townofdix.com. If there is an alternate email I should be using for Mr. Teed, please let me know. Thank you!

Attached please find an information request regarding the Watkins Glen Solar Energy Center (the Project; Case No. 17-F-0595). We are requesting input from you as the Town of Dix Historian regarding the Applicant's selection of important or representative viewpoints for inclusion in the Article 10 Application's Visual Impact Assessment (VIA). We kindly request your input by March 23, 2020. A hard copy of this consultation package can be provided upon request.

Thank you,
Samantha

Samantha Kranes
Senior Project Manager

215 Greenfield Parkway, Suite 102, Liverpool, NY 13088
T 315.362.2415| **F** 315.451.7903| **C** 518.396.0914
LinkedIn | Twitter | Blog | TRCcompanies.com

Bartos, Judith

From: Kranes, Samantha
Sent: Monday, March 2, 2020 2:35 PM
To: clerk@townofdix.com
Cc: Boer, William (William.Boer@nexteraenergy.com); michael.dowling@nexteraenergy.com; Effler, Hayley; Bartos, Judith
Subject: RE: Watkins Glen Solar, Visual Consult
Attachments: 17-F-0595 Visual Outreach Consultation.pdf

I apologize, the previous submittal did not contain all of the attachments. Please see attached for the full package to go to Daniel Teed.

Thank you,
Samantha

Samantha Kranes
Senior Project Manager

215 Greenfield Parkway, Suite 102, Liverpool, NY 13088
T 315.362.2415| **F** 315.451.7903| **C** 518.396.0914
LinkedIn | Twitter | Blog | TRCcompanies.com

From: Kranes, Samantha
Sent: Monday, March 2, 2020 1:46 PM
To: clerk@townofdix.com
Cc: Boer, William (William.Boer@nexteraenergy.com) <William.Boer@nexteraenergy.com>; michael.dowling@nexteraenergy.com; Effler, Hayley <HEffler@trccompanies.com>; Bartos, Judith <JBartos@trccompanies.com>
Subject: Watkins Glen Solar, Visual Consult

This request is for Daniel Teed, Town of Dix Historian. As indicated on the Town of Dix website, this correspondence is being sent to clerk@townofdix.com. If there is an alternate email I should be using for Mr. Teed, please let me know. Thank you!

Attached please find an information request regarding the Watkins Glen Solar Energy Center (the Project; Case No. 17-F-0595). We are requesting input from you as the Town of Dix Historian regarding the Applicant's selection of important or representative viewpoints for inclusion in the Article 10 Application's Visual Impact Assessment (VIA). We kindly request your input by March 23, 2020. A hard copy of this consultation package can be provided upon request.

Thank you,
Samantha

Samantha Kranes
Senior Project Manager

Bartos, Judith

From: Dan <beeteefarm@aol.com>
Sent: Friday, March 27, 2020 4:04 PM
To: Bartos, Judith; William.Boer@nexeraenergy.com
Cc: clerk@townofdix.com; beeteefarm@aol.com
Subject: [EXTERNAL] Watkins Glen Solar Comments
Attachments: Jane Delano.odt; FARM PRICE PROJECTIONS.odt

Categories: Red Category

March, 2020

1835 Baker Hill Rd
Watkins Glen, New York 14891

To: Solar Concerned Parties:

From: Daniel Teed, Town of Dix Resident, Town Historian, and Chairman of Schuyler County Farm Protection Committee

As Town of Dix Historian, I have been asked to respond to a **Visual Impact Survey Request - Watkins Glen Solar Energy Center .** I apologize for the lateness.
First of all, let me say that the Watkins Glen area economy is extremely dependent on TOURISM. New York State has been very generous in providing large amounts of Grant Monies to enhance, improve and beautify the area in order to attract and attain tourists. I and others question whether any type of Solar Complex will be complementary.
In looking at Table 1, I do not see any mention of the Sugar Hill Fire Tower and campsite, any of the area cemeteries, the Second Watkins Glen Race Course during the early 1950s, the Hamlets of Townsend (next to the proposed construction), Moreland, and Beaver Dams. Townsend is the birth place of Jane A. Delano (with a State Historical Marker), has about 50 residencies, one of the last Grange Halls, a one room school, a very old cemetery. and was part of the 2nd Watkins Glen Race course.
The property that is being considered was the Valent Farms and of significant Historical value. The Valent family migrated from Italy in the early 1900's with little more than the clothes on their backs. The large family worked hard, put all their earnings in a jar and voted on even the smallest expenditures. The Valent children attended the one room Baker Hill School. Some of then went on to graduate from college, some became very successful farmers, some went into business, and some went into education as teachers and school administrators. Henry Valent became a lawyer, served on General Eisenhower's Staff in WWII and was President of the Watkins Glen Race Course, Inc. The farm on Baker Hill expanded, built a dairy plant in Watkins Glen(Glen Dairy) and was a “Showcase” for Cornell University to bring agriculture students. These buildings, that are left, are historic structures

that should be repaired and restored. They are a lasting tribute to the Italian immigrants. They could be re-purposed into valuable uses.
There are many people who come to drive each of the old race courses, visit and do genealogical searches at the old cemeteries in Townsend, Moreland, Sugar Hill, Beaver Dams, and many farm and private burial plots.
As Chairman of the Schuyler County Farm Protection Committee, I have reservations about using scwnic, profittable farm land for industriak purposes. I realize that the County is supposed to realize economic tax gains and short term construction employment. After the construction has been completed, I do not see much in employment opportunities. The farm still generates thousands of dollars and employent as shown by the attached USDA papers.

Thank you,

Daniel L Teed

Bartos, Judith

From: Kranes, Samantha
Sent: Monday, March 2, 2020 1:25 PM
To: townofdixsupervisor@gmail.com
Cc: Boer, William (William.Boer@nexteraenergy.com); Effler, Hayley; Bartos, Judith; michael.dowling@nexteraenergy.com
Subject: Watkins Glen Solar, Visual Outreach
Attachments: 17-F-0595 Visual Outreach Consultation.pdf

Supervisor Russell,

Attached please find an information request regarding the Watkins Glen Solar Energy Center (the Project; Case No. 17-F-0595). We are requesting input from the Town of Dix regarding the Applicant's selection of important or representative viewpoints for inclusion in the Article 10 Application's Visual Impact Assessment (VIA). We kindly request your input by March 23, 2020. A hard copy of this consultation package can be provided upon request.

Thank you,
Samantha

Samantha Kranes
Senior Project Manager

215 Greenfield Parkway, Suite 102, Liverpool, NY 13088
T 315.362.2415| **F** 315.451.7903| **C** 518.396.0914
LinkedIn | Twitter | Blog | TRCcompanies.com

Bartos, Judith

From: Kranes, Samantha
Sent: Monday, March 2, 2020 1:36 PM
To: hornbysupervisor@gmail.com
Cc: Boer, William (William.Boer@nexteraenergy.com); michael.dowling@nexteraenergy.com; Effler, Hayley; Bartos, Judith
Subject: Watkins Glen Solar, Visual Consult
Attachments: 17-F-0595 Visual Outreach Consultation.pdf

Supervisor Landolf,

Attached please find an information request regarding the Watkins Glen Solar Energy Center (the Project; Case No. 17-F-0595). We are requesting input from the Town of Hornby regarding the Applicant's selection of important or representative viewpoints for inclusion in the Article 10 Application's Visual Impact Assessment (VIA). Although your town has minimal predicated visibility, you are receiving this request as your municipality is located within the 5-mile visual study area for the Project. We kindly request your input by March 23, 2020. A hard copy of this consultation package can be provided upon request.

Thank you,
Samantha

Samantha Kranes
Senior Project Manager

215 Greenfield Parkway, Suite 102, Liverpool, NY 13088
T 315.362.2415| **F** 315.451.7903| **C** 518.396.0914
LinkedIn | Twitter | Blog | TRCcompanies.com

Bartos, Judith

From: Kranes, Samantha
Sent: Monday, March 2, 2020 1:43 PM
To: supervisor@townoftyrone.org
Cc: Boer, William (William.Boer@nexteraenergy.com); michael.dowling@nexteraenergy.com; Effler, Hayley; Bartos, Judith
Subject: Watkins Glen Solar, Visual Consult
Attachments: 17-F-0595 Visual Outreach Consultation.pdf

Supervisor Desrochers,

Attached please find an information request regarding the Watkins Glen Solar Energy Center (the Project; Case No. 17-F-0595). We are requesting input from the Town of Tyrone regarding the Applicant's selection of important or representative viewpoints for inclusion in the Article 10 Application's Visual Impact Assessment (VIA). Although your town has minimal predicted visibility, you are receiving this request as your municipality is located within the 5-mile visual study area for the Project. We kindly request your input by March 23, 2020. A hard copy of this consultation package can be provided upon request.

Thank you,
Samantha

Samantha Kranes
Senior Project Manager

215 Greenfield Parkway, Suite 102, Liverpool, NY 13088
T 315.362.2415| **F** 315.451.7903| **C** 518.396.0914
LinkedIn | Twitter | Blog | TRCcompanies.com

Bartos, Judith

From: Kranes, Samantha
Sent: Monday, March 2, 2020 1:30 PM
To: readingsupervisor@htva.net
Cc: Boer, William (William.Boer@nexteraenergy.com); michael.dowling@nexteraenergy.com; Bartos, Judith; Effler, Hayley
Subject: Watkins Glen Solar, Visual Outreach
Attachments: 17-F-0595 Visual Outreach Consultation.pdf

Supervisor Conklin,

Attached please find an information request regarding the Watkins Glen Solar Energy Center (the Project; Case No. 17-F-0595). We are requesting input from the Town of Reading regarding the Applicant's selection of important or representative viewpoints for inclusion in the Article 10 Application's Visual Impact Assessment (VIA). Although your town has minimal predicated visibility, you are receiving this request as your municipality is located within the 5-mile visual study area for the Project. We kindly request your input by March 23, 2020. A hard copy of this consultation package can be provided upon request.

Thank you,
Samantha

Samantha Kranes
Senior Project Manager

215 Greenfield Parkway, Suite 102, Liverpool, NY 13088
T 315.362.2415| **F** 315.451.7903| **C** 518.396.0914
LinkedIn | Twitter | Blog | TRCcompanies.com

Bartos, Judith

From: Kranes, Samantha
Sent: Monday, March 2, 2020 1:33 PM
To: catlinsupervisor@gmail.com
Cc: Boer, William (William.Boer@nexteraenergy.com); michael.dowling@nexteraenergy.com; Effler, Hayley; Bartos, Judith
Subject: Watkins Glen Solar, Visual Consult
Attachments: 17-F-0595 Visual Outreach Consultation.pdf

Supervisor Phelps,

Attached please find an information request regarding the Watkins Glen Solar Energy Center (the Project; Case No. 17-F-0595). We are requesting input from the Town of Catlin regarding the Applicant's selection of important or representative viewpoints for inclusion in the Article 10 Application's Visual Impact Assessment (VIA). Although your town has minimal predicated visibility, you are receiving this request as your municipality is located within the 5-mile visual study area for the Project. We kindly request your input by March 23, 2020. A hard copy of this consultation package can be provided upon request.

Thank you,
Samantha

Samantha Kranes
Senior Project Manager

215 Greenfield Parkway, Suite 102, Liverpool, NY 13088
T 315.362.2415| **F** 315.451.7903| **C** 518.396.0914
LinkedIn | Twitter | Blog | TRCcompanies.com

Bartos, Judith

From: Kranes, Samantha
Sent: Monday, March 2, 2020 1:39 PM
To: jpinkard@htva.net
Cc: Boer, William (William.Boer@nexteraenergy.com); michael.dowling@nexteraenergy.com; Effler, Hayley; Bartos, Judith
Subject: Watkins Glen Solar, Visual Consult
Attachments: 17-F-0595 Visual Outreach Consultation.pdf

Supervisor Randell,

Attached please find an information request regarding the Watkins Glen Solar Energy Center (the Project; Case No. 17-F-0595). We are requesting input from the Town of Orange regarding the Applicant's selection of important or representative viewpoints for inclusion in the Article 10 Application's Visual Impact Assessment (VIA). Although your town has minimal predicted visibility, you are receiving this request as your municipality is located within the 5-mile visual study area for the Project. We kindly request your input by March 23, 2020. A hard copy of this consultation package can be provided upon request.

Thank you,
Samantha

Samantha Kranes
Senior Project Manager

215 Greenfield Parkway, Suite 102, Liverpool, NY 13088
T 315.362.2415| **F** 315.451.7903| **C** 518.396.0914
LinkedIn | Twitter | Blog | TRCcompanies.com

Bartos, Judith

From: Kranes, Samantha
Sent: Monday, March 2, 2020 1:23 PM
To: Sara, Tim; Gollup, Jasmine
Cc: Effler, Hayley; Bartos, Judith; Boer, William (William.Boer@nexteraenergy.com); michael.dowling@nexteraenergy.com
Subject: Watkins Glen Solar - Visual Outreach
Attachments: 17-F-0595 Visual Outreach Consultation - ORPHP.pdf

Hi Tim,

Could you please upload the attached visual consultation package to SHPO CRIS for the Watkins Glen Project? We are asking ORPHP for feedback regarding the Applicant's selection of important or representative viewpoints for inclusion in the Article 10 Application's Visual Impact Assessment (VIA). We can provide a hard copy if requested.

Thank you,
Samantha

Samantha Kranes
Senior Project Manager

215 Greenfield Parkway, Suite 102, Liverpool, NY 13088
T 315.362.2415| **F** 315.451.7903| **C** 518.396.0914
LinkedIn | Twitter | Blog | TRCcompanies.com

WATKINS GLEN SOLAR ENERGY CENTER
ARTICLE 10 EXHIBIT 24

PHOTOSIMULATION CONTRAST RATING FORMS

ATTACHMENT 6

TRC Visual Impact Rating Form

This form is a simplified version of various federal agency visual impact rating systems. It includes concepts and applications sourced from:

- U.S. Bureau of Land Management (BLM), Handbook H-8431: Visual Contrast Rating, January 1986
- Visual Resources Assessment Procedure For U.S. Army Corps Of Engineers, March 1988
- National Park Service Visual Resources Inventory View Importance Rating Guide, 2016
- USDA Forest Service (USFS), United States Department of Agriculture Forest Service, Landscape Aesthetics: A Handbook for Scenery Management. USDA Forest Service Agriculture Handbook No. 701, 1995

Depending on the project location, a variety of visual impact assessment (VIA) guidance and established procedures exist as noted above that apply to management of federal lands that fall under a specific agency such as the U.S. Forest Service or Bureau of Land Management. These guidance documents vary in regards to agency specific rating systems or procedures and often begin with the evaluation of existing conditions such as scenic quality or presence of sensitive resource locations.

This form has been developed by TRC for efficient and streamlined use with projects that undergo state environmental permitting processes. It is assumed that visual resource inventories, terrain analyses, development of landscape similarity zones or viewshed analyses have already been performed in the project VIA according to state regulatory requirements or other visual policy. This form was developed to be used as a numerical rating system for the comparison of Existing Conditions (Before) vs. With Project (After) photosimulations of final selected viewpoint locations and is meant to accompany the project VIA.

1. How to Use the Visual Impact Rating Form

For evaluating visual impacts there are two parts to the form. Part 1 is *Visual Contrast Rating* which rates the Project as it contrasts against compositional visual elements of the viewpoint scene. This includes compositional contrasts against the existing and natural environment such as vegetation, water, sky, landform, or structures. The higher the rating total the higher the contrast. Part 2 is *Viewpoint Sensitivity Rating*. This section rates the sensitivity of the viewpoint location which inherently considers the importance of the viewpoint (if it falls within a visual resource area), duration of view, if it is a high use area, as well as general scenic quality. The higher the rating total, the more sensitive the viewpoint is. Part 3 is an overall *General Scenic Quality of the View* which rates the view of existing conditions only without the influence of the project.

The rating scale is as follows:

Rating Scale	
0	None
0.5	
1	Weak
1.5	
2	Moderate
2.5	
3	Strong

1.1. Degree of Contrast Criteria

None The element contrast is not visible or perceived.

Weak The element contrast can be seen but does not attract attention.

Moderate The element contrast begins to attract attention and begins to dominate the characteristic landscape.

Strong The element contrast demands attention, will not be overlooked, and is dominant in the landscape.

2. Part 1 Visual Contrast Rating

Form Contrast: Form in this sense generally means the shape of an object or unification of shapes massed together by perceived pattern or color. In many rural undeveloped areas, the landscape may consist of homogenous or visually restful views of large shapes or shapes of color belonging to expanses of open field or forested areas. New project elements may provide a contrast or interruption against existing homogenous shapes within the view (strong). Conversely, there may be much visual existing clutter comprised of multiform shapes found in developed or urban areas where newly introduced project elements may better be visually absorbed in the view (weak).

Line Contrast: Line generally refers to the perceived edges of shapes as well as the orientation of these line edges. An undeveloped area at distance may be mostly horizontal line comprised of distant ridges or forest treetops as well as forest and field interfaces. New project elements may disrupt some of the line or they may introduce new vertically oriented lines as such as from a transmission line or wind farm (strong).

Texture Contrast: Trees and their leaves or buildings at close proximity will offer higher detail (strong). Texture and the level of discernible detail decreases with distance (weak). Objects at distance may appear as one homogenous texture or shape.

Color Contrast: Does the project color contrast greatly against color in the existing view (strong)? Color contrast may occur with the terrestrial background or the sky.

Project Scale Contrast/Spatial Dominance: Is the project size and scale dominant (strong), co-dominant, or subordinate (weak) in the view in relation to the rest of the surroundings?

Broken Horizon Line: Does the project remain below the horizon line (weak) or is the horizon line broken by project elements (strong)?

Visual Acuity: Visual acuity is the acuteness or clarity of vision, most often related to the amount of discernible detail or contrast with distance. Atmospheric conditions may also decrease visual acuity, especially on hazy humid days.

Amount of Project Clearing Perceived: The With Project (After) simulation may show extensive clearing that has occurred compared to existing conditions, thereby showing a large visual change from the project

(strong). In many cases, no clearing is required (none), or minimal clearing might be seen from a viewpoint location (weak or moderate).

Screening/Mitigation Needed: This category is treated in two ways. 1) Is the project at a particular viewpoint seen because of being mostly in the open which would require some type of vegetative or structural mitigation (strong) to obscure direct views? Conversely, is there some type of existing screening that blocks partial or whole views such as trees, buildings, or topography that act as visual impediments in the landscape (weak). Or 2) How important is it to mitigate at a certain area or how high is the visual absorption capacity? For example, there may be a clear unobstructed view of a new transmission structure in the view, but if there are existing transmission poles or cell towers, or distribution lines along the street in a more urban area providing similar utility development it may not be necessary to mitigate (weak). Is a substation being proposed where there is a clear view but within industrial development (weak)? Or, there may be visible modifications to an existing substation but proposed elements are visually absorbed by the substation because of "like" components and thereby requires no mitigation (weak).

3. Part 2 Viewpoint Sensitivity Rating

Within a Visual Resource: Is the viewpoint located within a visual resource as listed in the Visual Resources Inventory section of the VIA? This is a yes or no question, therefore either a rating 0 (none) or 3 (strong) should be applied. If yes, then viewer expectations and sensitivity may be higher.

View of Other Visual Resources: Can you see a visual resource listed in the Visual Resources Inventory from the viewpoint location in combination with the project? This is a yes or no question, therefore either a rating 0 (none) or 3 (strong) should be applied.

A Listed/Known Scenic Resource of Visual Quality: Is the viewpoint located within a listed or known scenic area of visual quality? This is a yes or no question, therefore either a rating 0 (none) or 3 (strong) should be applied. If yes, this location would also be identified as a visual resource as listed in the Visual Resources Inventory section of the VIA. It is evaluated in the Viewpoint Sensitivity Rating because there are often town by-laws, master plans, or regional planning documents that call out specifically named locations that have been designated as a scenic viewing area and is important to note. It means that the location has added importance to the community and if yes, then viewer expectations and sensitivity are likely higher. This will be used infrequently.

Number of Viewers/High Use Activity: An area of high use and high number of viewer will incur a greater amount of visual impact to the community (strong). These areas may consist of high destination type locales visited by the public such as recreational areas, shopping centers, densely populated areas, or highways with large traffic counts. A roadway may not always be considered as high use. There may be viewpoints along local rural roadways that have relatively very low traffic counts. This category accounts for the immediate vicinity. For example the simulation might only show a roadway, but a resident may be very nearby or behind the viewer.

Duration of View: The duration of views is categorized as Long Duration (strong), Short Duration (weak) or Infrequent (weak). Residents or workers with views from the workplace or day long use at a picnic area would be a long duration view. Short duration views imply movement and are transient, such as

passing the site on a highway, glimpsing a project from an open area on a hiking or snowmobile trail. A moderate duration view might be a destination type location such as a summit or historic landmark where the visitor seeks the location with purpose but only stays for a few hours. However care must be taken when attributing an area to a short duration view. There could be short duration views encountered frequently over distance, such as a snowmobile trail.

Presence of Existing Development: For this category we are looking at intactness and how much the landscape has been altered by the presence of people. Is there much existing development consisting of commercial, utility, or industrial development or densely populated residential or urban neighborhoods in the photo or near vicinity? If so, then the sense of place or importance may be diminished and decreases viewer sensitivity as a place that does not have high value and should be rated as weak. Conversely, the lack of existing development contributes to the intactness of a more undisturbed natural environment a gives a sense of greater value. However, development is not all negative. Some development may have altered the environment but has only "somewhat" changed the view over time and may not be as visually impactful, such as a farm and associated farm fields. In this case, the Presence of Existing Development could be rated as moderate.

Uniqueness of Landscape Compared to Rest of Study Area: Photographs for project simulations are generally taken within a designated study area. Landscape features or scenic quality in the study area shown in simulations may be found to be consistently similar or unvaried (weak). If the viewpoint shows a view that is unique to the area such as an outstanding water feature, a series of dramatic cliffs, or mountain views not typically found elsewhere in the vicinity then it should be rated as strong.

Presence of Water: Generally the presence of water implies greater scenic quality or importance. This is a yes or no question, therefore either a rating 0 (none) or 3 (strong) should be applied. If there is the presence of water and it is not very discernible in the view, then a rating of 2 (moderate) can be applied.

4. Part 3 Scenic Quality of the View

This section rates existing conditions only, without the influence of the project.

Each landscape expresses unique scenic qualities. Scenic attractiveness indicates the potential of a landscape to produce varying degrees of satisfaction, of positive physiological responses; such as reduced stress; positive psychological responses; and a general feeling of well-being.

Please consider the following when assessing existing scenic quality:

- Note that a higher rating of scenic quality does not always have to be within natural or rural environments. This can also occur within urban or other man-made cultural type environments that consist of pleasing building structures, hardscaping, or landscaping.

- Landscape Diversity. The degree of existing scenic quality is usually correlated with landscape diversity – the more natural diversity, generally, the greater the scenic quality. For example, landscapes with greater diversity in vegetation and topography are more likely to be scenic than flat landscapes with uniform vegetation. Water features such as rivers or ponds tend to add diversity as do natural rock outcroppings. High scenic quality often results from the contrast among landscape features such as field and forest, steep and flat or rolling, village and countryside.

- Intactness. Another relevant factor in determining scenic quality is the intactness of the landscape. A lack of landscape degradation contributes to the "intactness" of the landscape. Landscapes where there is a clear underlying order or logic tend to be more visually appealing. Natural landscapes exhibiting little evidence of human alteration (e.g. an intact prairie landscape) are likely to have high visual as well as natural value. In the human (built) landscapes too much diversity can lead to visual chaos or clutter, for example strip development in which every business vies for one's attention by looking different from its neighbor. But landscapes which retain 19th early 20th century landscape patterns, places with split-rail fencing or stone walls are often visually appealing in their simplicity and clear connections of use to the land itself.

- Focal Point. Focal points are elements in the landscape that stand out due to their contrasting shape (form), color or pattern. Often distinct focal points enhance scenic quality. They can be natural elements such as a lake, river or mountain; or they can be built elements such as an important public building, or a central green.

- Unity in a landscape provides a sense of order.

- Vividness is related to variety as well as contrast adding clearly defined visual interest.

- Coherence describes the ability of a landscape to be seen as intelligible rather than chaotic.

- Harmony exhibits a combination of parts of a landscape into a pleasing or orderly whole and a state of agreement, congruity, or proportionate arrangement of form, line, color, and texture.

- Pattern includes pleasing repetitions and configurations of line, form, color, or textures.

- *Strong values* might consist of areas where landform, vegetation patterns, water characteristics, and cultural features combine to have unique and strong positive attributes of variety, unity, vividness, mystery, intactness, order, harmony, uniqueness, pattern, and balance.

- *Moderate values* are generally areas where landform, vegetation patterns, water characteristics, and cultural features use combine to provide ordinary or common scenic quality. These landscapes have generally positive, yet common, attributes of variety, unity, vividness, mystery, intactness, order, harmony, uniqueness, pattern, and balance. Normally they would form the basic typical matrix within the study area.

- Weak values are areas where landform, vegetation patterns, water characteristics, and cultural land use have lower scenic quality. Often water and rockform of any consequence are missing in these landscapes. These landscapes have weak or missing attributes of variety, unity, vividness, mystery, intactness, order, -harmony, uniqueness, and balance.

5. Assessing the Outcome of the Rating

The rating system and those developed by the other aforementioned agencies are designed to guide a subjective process (visual observation) objectively, by using straightforward common language that involves the discussion of compositional elements. A rating system is applied from low to high with the intent to provide consistent comparison between or across subject matter.

The simulations will show varying distance zones and landscape zones. The rating is also meant to provide comparison of the project within these zones as seen across the study area. The rating form is not meant as a public survey or to assess or appeal to how one feels about the development at a more emotional level.

However it should be noted that when evaluating the outcome of the ratings, a high rating of form or texture contrast for example, does not necessarily imply a negative or disturbing result. Nor may the project be offensive to the average person. As well, there may be visual impacts implied by the rating forms but they may not be adverse.

In many cases the building design or choice of building material can be aesthetic and visually pleasing to the viewer and/or remain consistent with other development in the area. With utility development for example, a battery storage facility that may have a high texture, line, or form rating that is proposed within a seaside environment may incorporate weathered cedar shakes, white trim, and dormers into the building design in order to remain similar to cape style houses in the area. Although compositionally it may have a high contrast rating against what is currently there, the project may be considered to be aesthetically pleasing and interesting to look at. Similarly, a converter building project in a rural area may elect to design the building to look like a red barn. Although the proposed building may provide a large form with new vertical elements against the current landscape, and its red color may contrast highly against either green vegetation or white winter snow, the design choice of a red barn could be considered aesthetically pleasing and suitable while also remaining consistent with other large development (farms) in the area. Or perhaps there are brick materials proposed as building materials or hardscape for a project which could be considered aesthetically pleasing and visually interesting. In the case of solar development, although a solar panel could provide color contrast, the look of a solar panel itself may not be displeasing. Although basic solar panel design cannot be changed, the project can be combined with vegetative mitigation of native flowering and pollinator species implemented and spaced in a naturalized manner resulting in overall aesthetic and interesting landscape screening.

The rating forms are not standalone nor are results provided without context. The rating results are typically accompanied by a summary discussion that considers project design aspects as noted in the above examples as well as how the overall project fits within the landscape.

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 8/9/2020
Viewpoint Number: 3a	Preparer: J.Bartos
Viewpoint Location: Dix	
Viewpoint Description: view from Old Joe Road, view south	
Landscape Similarity Zone: Agricultural/Open	
Viewer Type (check all that apply): ☐ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	2.5	Form and shape is incongruous to existing leaf off vegetation in the view.
Line Contrast	2.5	Horizontal line of project fairly consistent with ground features but also contrasts a bit with vertical trees
Texture Contrast	2.5	Texture is not the same as existing but is not highly discernible from VP
Color Contrast	2.5	New darker and different colors introduced compared to open field in between roadside vegetation.
Project Scale Contrast/Spatial Dominance	2.5	Moderate to strong. Roadside foreground vegetation helps with equilibrating and tempering scale contrast
Broken Horizon Line	1.5	Horizon line broken but not as much as existing trees
Visual Acuity	3	Panels are apparent with discernible detail
Amount of Project Clearing Seen	0	
Screening/Mitigation Needed	1	Roadside veg along road screens a lot. This is through a small gap in the veg. on a low traveled road.
Total	**18**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1	Local rural road view with some existing roadside veg screening
Duration of View	0.5	Intermittent and short duration along a low traveled road
Presence of Existing Development	0	
Uniqueness of Landscape Compared to Region	0.5	Typical of agricultural views in the area
Presence of Water	0	
Total	**2**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**1**	This view provides a fairly generic view of rural farmland in upstate New York through a gap in roadside vegeation

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 8/6/2020
Viewpoint Number: 3a	Preparer: Michael Ross
Viewpoint Location: Dix	
Viewpoint Description: view from Old Joe Road, view south	
Landscape Similarity Zone: Agricultural/Open	
Viewer Type (check all that apply): ☐ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	2.5	The form of the solar panels contrasts and/or covers the existing form of the natural terrain creating an unnatural look and feel resulting from these elements/shapes in total.
Line Contrast	2.5	The (edge or line) created by the solar panels and security fencing contrasts with and/or covers lines of the natural existing rolling terrain.
Texture Contrast	2.5	The smooth, hard, angular panels contrast with the organic, natural existing farmland and old field hedge row.
Color Contrast	2.5	The hard-black panels contrast with the existing earth tone colors found in the existing landscape.
Project Scale Contrast/Spatial Dominance	2.5	The "blanket" of solar panels is significant to the eye creating a dominant feature in the landscape that feels foreign and unnatural.
Broken Horizon Line	3	The horizon line is broken by the panels due to their size and location.
Visual Acuity	2	It is easy to discern what one is seeing although, the amount of detail visible of the solar arrays as you move to the background of this image becomes limited and visual acuity is reduced.
Amount of Project Clearing Seen	1	Minimal existing vegetation and/or farm hedgerows will be removed.
Screening/Mitigation Needed	2.5	The panels are visible from this location. Therefore, appropriate visual mitigation/screening efforts will be needed- particularly in leaf-off conditions however, it is important to note that this stretch of road appears to be less traveled and/or infrequently used.
Total	**21**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1	The road along the solar arrays is not paved due to limited/minimal use and only one residential structure is present nearby.
Duration of View	1.5	Short-term views will occur by vehicular travel and passersby utilizing the roadway and potential long-term view from the nearby residential structure.
Presence of Existing Development	1	Only one residential structure is located near this viewpoint.
Uniqueness of Landscape Compared to Region	1	The landscape appears to be representative to the area.
Presence of Water	0	
Total	**4.5**	
Part 3 Scenic Quality		

General Scenic Quality of the View	**1**	The view provides a remotely rural and quiet setting that is common and typical for this area.

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 7/31/2020
Viewpoint Number: 3a	Preparer: Kirsten Johnson
Viewpoint Location: Dix	
Viewpoint Description: view from Old Joe Road, view south	
Landscape Similarity Zone: Agricultural/Open	
Viewer Type (check all that apply): ☐ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	2.5	panels are distinct from current conditions
Line Contrast	2.5	Project components are oriented opposite existing landscape features, creating opposing lines
Texture Contrast	3	the panel orientation and fenceline increase the texture from this viewpoint, with distinct lines and distinguishable elements extending to the horizon
Color Contrast	2	The loss of green fields is distinct, however much of the near view of the panel area is dull
Project Scale Contrast/Spatial Dominance	2	the expanse of the array makes it a dominant feature, however much of the expanse is shielded from view
Broken Horizon Line	3	entirely broken
Visual Acuity	2.5	details are very apparent from the fenceposts, individual arrays, and even to the individual cells on each panel
Amount of Project Clearing Seen	0.5	Minimal clearing appears to be required
Screening/Mitigation Needed	0.5	The existing natural barrier sufficiently blocks the view of the majority of the panel area from this vantage
Total	**18.5**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	0.5	this appears to be an unpaved road, so traffic is presumably low
Duration of View	0.5	the viewpoint shows a small clearing on the roadside, views would be short duration from vehicles passing by at moderate speeds
Presence of Existing Development	0	
Uniqueness of Landscape Compared to Region	0	highly similar or less unique than surrounding area
Presence of Water	0	non visible
Total	**1**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**0.5**	generally pleasing rolling hills in agricultural matrix

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 8/9/2020
Viewpoint Number: 4	Preparer: J.Bartos
Viewpoint Location: Dix	
Viewpoint Description: County Road 16	
Landscape Similarity Zone: Agricultural/Open, Develop roadway, resident nearby	
Viewer Type (check all that apply): ☒ Resident ☒ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	1	Form is quite similar to what is seen at distance with existing field-forest pattern
Line Contrast	1	New horizontal lines introduced in field but similar to existing field-forest patterns
Texture Contrast	0.5	Texture not discernible and change is not large
Color Contrast	2	Although the array color is similar to existing leaf off trees the new color that is introduced into the existing field provides contrast
Project Scale Contrast/Spatial Dominance	2	Does not have vertical scale but lateral breadth
Broken Horizon Line	1.5	New horizon line is similar to old since project follows contours. Project slightly breaks horizon line.
Visual Acuity	2	Individual panels cannot be observed but the arrays as a group on the hillside can be seen
Amount of Project Clearing Seen	0	
Screening/Mitigation Needed	2	
Total	**12**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	2	Viewpoint is from a busier county road but with swift intermittent and transient view
Duration of View	0.5	Quick glimpse of project while traveling along road
Presence of Existing Development	0.5	
Uniqueness of Landscape Compared to Region	0.5	Typical of area
Presence of Water	0	
Total	**3.5**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**2**	Pretty open farmland with forested hillside

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 8/6/2020
Viewpoint Number: 4	Preparer: Michael Ross
Viewpoint Location: Dix	
Viewpoint Description: County Road 16	
Landscape Similarity Zone: Agricultural/Open, Develop roadway, resident nearby	
Viewer Type (check all that apply): ☒ Resident ☒ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	1	There is minimal impact of the overall form of the solar panels due to distance and the fact that the array field mimics the existing natural terrain.
Line Contrast	1	The proposed access road is discernable but, minimal line contrast exists elsewhere in this view primarily due to distance
Texture Contrast	1	The solar farm is quite a distance away providing minimal texture contrast overall.
Color Contrast	1.5	The portion of hillside that has the solar array field located on it does appear to a shadow cast upon it creating some contrast in color.
Project Scale Contrast/Spatial Dominance	1.5	It is apparent from this view that the solar farm covers a significant piece of land within this landscape however, distance and angle of view along with color helps the arrays to blend somewhat with the existing rolling terrain.
Broken Horizon Line	0	The horizon line is not broken by the panels due to location.
Visual Acuity	1	Distance and existing topography reduce any discernable details of the proposed structures and visual acuity.
Amount of Project Clearing Seen	0	Minimal clearing can be identified due to the fact that the panels are located on a downslope within existing rolling terrain/farmland.
Screening/Mitigation Needed	2.5	The panels are visible from this location and minimal to no existing vegetation is present. Therefore, additional appropriate visual mitigation/screening efforts will be needed- particularly during leaf-off conditions.
Total	**9.5**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1.5	The setting is rural however, a few residential structures appear to be present nearby and in close proximity to the solar farm and a paved asphalt road is present in the foreground allowing for vehicular traffic and on-going additional viewers.
Duration of View	1.5	The setting is rural however, a few residential structures appear to be present nearby and in close proximity to the solar farm allowing for long-term increased views to occur and additional short-term views to occur by vehicles and passersby utilizing the roadway.
Presence of Existing Development	1	Several residential structures are present and in close proximity to this solar farm.
Uniqueness of Landscape Compared to Region	1	The landscape appears to be representative to the surrounding area.
Presence of Water	0	No water appears to be present in this view.
Total	**5**	

Part 3 Scenic Quality		
General Scenic Quality of the View	**1.5**	The view provides a peaceful, rural, and quiet setting that is appealing and pleasant yet somewhat insignificant, remote and removed.

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 7/31/2020
Viewpoint Number: 4	Preparer: Kirsten Johnson
Viewpoint Location: Dix	
Viewpoint Description: County Road 16	
Landscape Similarity Zone: Agricultural/Open, Develop roadway, resident nearby	
Viewer Type (check all that apply): ☒ Resident ☒ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	1	distance of the panels from the viewpoint render them mostly unnoticeable in contrast to the natural landform
Line Contrast	0.5	shape and arrangement of panel array is consistent with natural landform and lines
Texture Contrast	1.5	loss of treed areas along the horizon reduces textural complexity of the view
Color Contrast	1.5	panels cover the green fields which contrast with the rest of an otherwise dull landscape; reduced overall contrast
Project Scale Contrast/Spatial Dominance	2.5	covers a huge expanse in the mis- and background of the view
Broken Horizon Line	0	
Visual Acuity	1	reduced detail
Amount of Project Clearing Seen	1	moderate clearing of hedgerows and small isolated patches of forest
Screening/Mitigation Needed	0	natural landscaping offers enough screening to render the change in landscape hardly noticeable in the foreground and from the road
Total	**9**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1.5	paved road in rural area
Duration of View	2	visible for substantial length of travel along road
Presence of Existing Development	1	farm residences nearby
Uniqueness of Landscape Compared to Region	0.5	representative e of surrounding area
Presence of Water	0	
Total	**5**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**1.5**	pastoral view with variable topography, common to the area

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 9/9/2020
Viewpoint Number: 6b	Preparer: J.Bartos
Viewpoint Location: Dix	
Viewpoint Description: Kuhl Winner Way	
Landscape Similarity Zone: Agricultural/Open	
Viewer Type (check all that apply): ☐ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	1.5	Panels are close but far enough to merge and fit into landscape as has a similar shape to tree groups
Line Contrast	1.5	Panels are close but far enough to merge and fit into landscape with similar lines
Texture Contrast	2	Texture of panels and fence is a bit discernible
Color Contrast	1.5	Color contrasts against the snowy but also matches and blends in with background trees
Project Scale Contrast/Spatial Dominance	1.5	Arrays are low profile but has some lateral breadth.
Broken Horizon Line	1	Minimal
Visual Acuity	2	Panels visible.
Amount of Project Clearing Seen	0	
Screening/Mitigation Needed	2	Although in open field it is on a road where there are extremely few residents
Total	**13**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1	Residents nearby are minimal and low traveled road
Duration of View	1	Minimal, intermittent, and transient view from roadway
Presence of Existing Development	0	
Uniqueness of Landscape Compared to Region	0.5	Typical field view in area
Presence of Water	0	
Total	**2.5**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**2**	Pretty view of open field

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 9/15/2020
Viewpoint Number: 6b	Preparer: Michael Ross
Viewpoint Location: Dix	
Viewpoint Description: Kuhl-Winner Way	
Landscape Similarity Zone: Agricultural/Open	
Viewer Type (check all that apply): ☐ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	3.0	There is significant contrast or disruption in the original form of the landscape. The proposed solar panels are more pronounced with a snow-covered hillside (most likely enhancing the contrast even further) in form more so than at other times of the year.
Line Contrast	2.5	There is a contrast in line occurring due to the proposed solar panels projecting from the ground-level elevation, close proximity in this view, and their size.
Texture Contrast	2.0	The size, upright view, and elevation of the solar arrays creates significant textural-type contrast with the existing vegetation in this landscape.
Color Contrast	2.0	Color contrast is pronounced primarily when comparing the panels to the snow-covered foreground. However, the colors of the arrays are actually similar to that of the surrounding vegetation at this distance in leaf-off conditions.
Project Scale Contrast/Spatial Dominance	2.5	The scale of the project from this angle and distance is fairly impactful and obvious in place and dominance within this view.
Broken Horizon Line	1.5	Several portions of the horizon line are broken in this view and it is broken into segments by the array panel/row still allowing for some of the horizon line to be left intact.
Visual Acuity	2.5	Discernable details of the proposed structures and visual acuity are present and obvious.
Amount of Project Clearing Seen	1	It is assumed that some minimal clearing of the hedge row will be needed in this view.
Screening/Mitigation Needed	3.0	Significant screening/mitigation is needed.
Total	**20**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1.5	The setting is rural however, a few residential structures appear to be present nearby and in close proximity to the solar farm and a paved asphalt road is present allowing for vehicular traffic and on-going additional viewers.
Duration of View	1.5	The setting is rural however, a few residential structures appear to be present nearby and in close proximity to the solar farm allowing for long-term increased views to occur and additional short-term views to occur by vehicles and passersby utilizing the roadway.
Presence of Existing Development	1.5	Several residential structures are present and in close proximity to this solar farm.
Uniqueness of Landscape Compared to Region	1	The landscape appears to be representative to the surrounding area.
Presence of Water	0	No water appears to be present in this view.
Total	**5.5**	

Part 3 Scenic Quality		
General Scenic Quality of the View	**1.0**	The view provides a peaceful, rural, and quiet setting yet somewhat insignificant, remote and removed.

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 9/11/2020
Viewpoint Number: 6b	Preparer: Kirsten Johnson
Viewpoint Location: Dix	
Viewpoint Description: Kuhl-Winner Way	
Landscape Similarity Zone: Agricultural/Open	
Viewer Type (check all that apply): ☐ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	2	distinct and unnatural element in the landscape; prominent feature
Line Contrast	2.5	the panels have a strange vertical contrasting line going uphill that is distinctly different than the otherwise horizontally-oriented character of the landform
Texture Contrast	1	texture somewhat blends with the surrounding forest
Color Contrast	1	
Project Scale Contrast/Spatial Dominance	1.5	secondary object in the viewshed, lessened by distance from viewpoint
Broken Horizon Line	1	obscures view of distant horizon
Visual Acuity	1.5	because of the alignment of the panels, the individual arrays are visible and it contrasts with the otherwise most indistinct forest features.
Amount of Project Clearing Seen	0	
Screening/Mitigation Needed	1	minor screening may help reduce visibility, but because of the topography, doesn't seem as though it would make much difference
Total	**10.5**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	2	Moderate traffic on paved road in rural area; potentially higher during race weekend as roadway abuts racetrack area
Duration of View	1	because of the distance away from the road, most passer-bys might not even notice
Presence of Existing Development	0	
Uniqueness of Landscape Compared to Region	0	
Presence of Water	0	
Total	**3**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**1**	common to the area, no notable aesthetically pleasing quality

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 8/9/2020
Viewpoint Number: 12	Preparer: J. Bartos
Viewpoint Location: Dix	
Viewpoint Description: Baker Hill Road	
Landscape Similarity Zone: Agricultural/Open, Developed-Resident nearby	
Viewer Type (check all that apply): ☒ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	2	Form incongruous to existing environment
Line Contrast	1	New horizontal lines introduced in field but similar to existing field-forest patterns and project follow topography
Texture Contrast	2	Texture not the same and project details slightly discernible
Color Contrast	2	The dark panels contrast with the existing earth tone colors of existing field
Project Scale Contrast/Spatial Dominance	1.5	Size is compatible with larger shapes in the landscape
Broken Horizon Line	0.5	Project follows topography, horizon line slightly broken
Visual Acuity	2.5	Panel details discernible as well as presence in field
Amount of Project Clearing Seen	0	
Screening/Mitigation Needed	2	
Total	**13.5**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1	One or two residents. Local road.
Duration of View	1.5	
Presence of Existing Development	0	
Uniqueness of Landscape Compared to Region	0.5	
Presence of Water	0	
Total	**3**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**2**	Pretty and pastoral open land. Vegetation patterns provide visual interest

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 8/6/2020
Viewpoint Number: 12	Preparer: Michael Ross
Viewpoint Location: Dix	
Viewpoint Description: Baker Hill Road	
Landscape Similarity Zone: Agricultural/Open, Developed-Resident nearby	
Viewer Type (check all that apply): ☒ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	1.5	Although the overall form of the rolling terrain and landscape remains somewhat consistent, there is a disruption within the landscape as a result of the solar arrays creating addition forms and/or shapes within this view.
Line Contrast	1.5	New lines creating additional contrast have been created by the new edge of the proposed solar farm and security fencing.
Texture Contrast	2	New texture from the proposed solar arrays have been introduced creating a contrast from the original natural vegetation and grasses of the open fields.
Color Contrast	2	Color contrast is fairly pronounced resulting from the solid color of numerous solar panels against the earth tone colors of the existing fields and grasses.
Project Scale Contrast/Spatial Dominance	1.5	Spatial dominance becomes prevalent as the solar farm moves towards the foreground in this view and ultimately increasing the project scale.
Broken Horizon Line	1	Only a portion of the horizon line is broken minimally in the overall view.
Visual Acuity	1.5	Some discernable details of the proposed solar array structures are present towards the foreground of this view and visual acuity increases the same as well.
Amount of Project Clearing Seen	0	Minimal to no clearing can be identified in this view.
Screening/Mitigation Needed	1.5	Additional screening efforts will be needed to mitigate this view.
Total	**12.5**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1.5	The setting is rural however, a few residential structures appear to be present nearby and in close proximity to the solar farm and paved asphalt roads creating an intersection are present as well allowing for vehicular traffic views from several different directions to occur in addition to the views from the residential structures.
Duration of View	1.5	Several residential structures appear to be present nearby and in close proximity to the solar farm allowing for long-term increased views to occur and additional short-term views to occur by vehicles and passersby utilizing the roadways that create an intersection nearby.
Presence of Existing Development	1	Several residential structures are present and in close proximity to this solar farm.
Uniqueness of Landscape Compared to Region	1.5	The landscape is picturesque however, it appears to be representative to the surrounding area.
Presence of Water	0	No water appears to be present in this view.
Total	**5.5**	

Part 3 Scenic Quality		
General Scenic Quality of the View	**1.5**	The view provides a peaceful, rural, and quiet creating a picturesque setting yet it is somewhat typical, remote and removed.

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 7/31/2020
Viewpoint Number: 12	Preparer: Kirsten Johnson
Viewpoint Location: Dix	
Viewpoint Description: Baker Hill Road	
Landscape Similarity Zone: Agricultural/Open, Developed-Resident nearby	
Viewer Type (check all that apply): ☒ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	3	significant alteration to the natural landform and view
Line Contrast	2.5	panel arrays oppose the uninterrupted lines of the landscape, fencing creates new vertical obstructions against a horizontally sloping landform
Texture Contrast	2.5	high level of detail visible from detail, contrasts with the weakly textured landscape
Color Contrast	3	
Project Scale Contrast/Spatial Dominance	2.5	fenced area is less "dominated" by project component, though panels become significant feature in view
Broken Horizon Line	1	in the right half of frame, panels break horizon
Visual Acuity	2.5	details like shadow, fenceposts, individual panels highly visible
Amount of Project Clearing Seen	0	
Screening/Mitigation Needed	2.5	the surrounding area lacks development and the project components reduce the natural-ness of the existing view. Visual screening may be required to mitigate, however would also reduce the scenic quality of the uninterrupted view
Total	**19.5**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1	moderate traffic on paved road in rural area
Duration of View	1	
Presence of Existing Development	1	existing telephone/electrical line; one residence nearby
Uniqueness of Landscape Compared to Region	1	slightly enhanced due to long range view of ridges
Presence of Water	0	
Total	**4**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**2**	contrast of foreground with ridges in background and overall long range of the view enhance scenic quality

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 8/9/2020
Viewpoint Number: 13	Preparer: J. Bartos
Viewpoint Location: Dix	
Viewpoint Description: Heddon Road	
Landscape Similarity Zone: Agricultural/Open, Developed-Resident nearby	
Viewer Type (check all that apply): ☒ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	2	New form introduced but similar to very distant horizontal shape in background
Line Contrast	1.5	New horizontal lines introduced but compatible with distant background.
Texture Contrast	2	Weak to moderate texture differences
Color Contrast	2	Color contrast does exist against field but blends in with horizon color in background.
Project Scale Contrast/Spatial Dominance	2	Project is low profile and scale is weak to moderate because of road offset
Broken Horizon Line	1	Slightly broken horizon line
Visual Acuity	2.5	Project is visible but with moderately discernible detail
Amount of Project Clearing Seen	0	
Screening/Mitigation Needed	3	Project is visible. Likely for resident nearby
Total	**16**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1	Known resident nearby but on a local road.
Duration of View	3	Short duration view from roadway but likely long duration view from part of property of nearby resident.
Presence of Existing Development	1	Cell tower
Uniqueness of Landscape Compared to Region	0.5	
Presence of Water	0	
Total	**5.5**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**1**	General open field landscape but with cell tower in view

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 8/6/2020
Viewpoint Number: 13	Preparer: Michael Ross
Viewpoint Location: Dix	
Viewpoint Description: Heddon Road	
Landscape Similarity Zone: Agricultural/Open, Developed-Resident nearby	
Viewer Type (check all that apply): ☒ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	2	There is a disruption within the landscape as a result of the proposed solar arrays and security fencing creating foreign forms and/or shapes within this view.
Line Contrast	1.5	Even though the presence of the proposed structures (and existing tower structure) is quite impactful, the line created mimics the existing horizon, roadway, and terrain but, in a new and significant way.
Texture Contrast	2	Changes and contrast in texture occur within this landscape due to the man-made materials being introduced at such a close up/intimate scale.
Color Contrast	1.5	Some color contrast is resulting from the hard, solid color and patterns of numerous solar panels against the natural soft earth tone colors of the existing field, grasses, vegetation, and mountainous background.
Project Scale Contrast/Spatial Dominance	2	The solar panel structures are in close proximity within this view amplifying spatial dominance and creating some impactful scale differences to the existing landscape.
Broken Horizon Line	2.5	The horizon line is broken and changed for a majority of this view.
Visual Acuity	1	Some discernable details of the proposed solar array structures and security fencing are present within this view.
Amount of Project Clearing Seen	1	Some clearing can be identified in this view near the cell tower.
Screening/Mitigation Needed	3	Screening efforts will be needed to mitigate this view.
Total	**16.5**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1.5	The setting is rural however, a few residential structures appear to be present and in close proximity to the solar farm and paved asphalt road is present as well allowing for a modest number of views to be accounted for.
Duration of View	1.5	Several residential structures are present and nearby. One residential structure is directly across the road allowing for long-term views to occur. Additionally, short-term views will occur by vehicles and passersby utilizing the existing roadway.
Presence of Existing Development	1	A few residential structures are present and adjacent to and/or are in close proximity to this solar farm.
Uniqueness of Landscape Compared to Region	1	The landscape appears to be representative to the surrounding area.
Presence of Water	0	No water appears to be present in this view.
Total	**5**	

Part 3 Scenic Quality		
General Scenic Quality of the View	**1.0**	The view provides a rural, and quiet setting but, it is typical for this area and remote and removed.

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 7/31/2020
Viewpoint Number: 13	Preparer: Kirsten Johnson
Viewpoint Location: Dix	
Viewpoint Description: Heddon Road	
Landscape Similarity Zone: Agricultural/Open, Developed-Resident nearby	
Viewer Type (check all that apply): ☒ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	2	moderately modifies form in the view
Line Contrast	1	distance from the viewpoint makes the panels somewhat blend into the existing lines
Texture Contrast	1.5	modifies texture through clearing; however texturally, the existing view is simple and panels do not significantly increase the textural complexity
Color Contrast	2	definite change of overall color in the view, though the grey/black of the panels mimics the shadowed ridges visible in the existing conditions
Project Scale Contrast/Spatial Dominance	2	covers significant portion of visible area
Broken Horizon Line	2.5	horizon broken
Visual Acuity	1.5	panels and fencing highly visible however from a distance may appear as one mass with reduced sharpness of detail
Amount of Project Clearing Seen	1.5	only trees visible in current view are removed in simulation
Screening/Mitigation Needed	2	
Total	**16**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1.5	moderate traffic on paved road in rural area
Duration of View	1.5	
Presence of Existing Development	1.5	residences nearby as well as existing infrastructure present in the view
Uniqueness of Landscape Compared to Region	1	fairly common to area
Presence of Water	0	
Total	**5.5**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**1**	moderate range view with ridges in the background, however not overly scenic as horizon line is minimized by existing slope

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 8/9/2020
Viewpoint Number: 16b	Preparer: J.Bartos
Viewpoint Location: Dix	
Viewpoint Description: Baker Hill Road	
Landscape Similarity Zone: Agricultural/Open	
Viewer Type (check all that apply): ☐ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	3	Lateral extent of project visible in view
Line Contrast	1	Low line contrast and flow of panels across topography is similar to existing condtions
Texture Contrast	1.5	Arrays provide some texture contrast to existing field
Color Contrast	2	Color contrast is similar to background forested vegetation but contrasts against existing field
Project Scale Contrast/Spatial Dominance	1	Project is co-dominant in view and generally matches scale of existing larger landscape shapes
Broken Horizon Line	1	Partial in some areas
Visual Acuity	2	Project is apparent but discernible detail is low
Amount of Project Clearing Seen	0	
Screening/Mitigation Needed	2	Possible. Not in a high populated area and there is long setback from road
Total	**13.5**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	0.5	Low number of viewers
Duration of View	0.5	Intermittent and transient from vehicle travel
Presence of Existing Development	1	Farm in view
Uniqueness of Landscape Compared to Region	0	Similar to region
Presence of Water	0	
Total	**2**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**2.5**	Fairly isolated area within agricultural area with varying shapes, lines, and earth tones that give visual interest.

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 8/6/2020
Viewpoint Number: 16b	Preparer: Michael Ross
Viewpoint Location: Dix	
Viewpoint Description: Baker Hill Road	
Landscape Similarity Zone: Agricultural/Open	
Viewer Type (check all that apply): ☐ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	1.5	The overall form of the landscape still remains somewhat intact however, the shadow shape affect resulting from the proposed solar array field creates contrast within this view.
Line Contrast	1.5	Minimal contrast in line is observed once the proposed solar farm is introduced into the existing landscape and existing line delineations remain strong and prevalent.
Texture Contrast	1.5	The blanket of solar arrays laid upon the existing landscape creates texture contrast however distance and angle within the view does help to soften the impact.
Color Contrast	2	The blanket of solar arrays projects a shadow affect in color creating a contrast within the existing landscape that is fairly impactful.
Project Scale Contrast/Spatial Dominance	2	The solar panel structures cover a significant portion of land area within this view that depicts spatial dominance and creates obvious and impactful scale differences within the existing landscape.
Broken Horizon Line	0	The horizon line is not broken.
Visual Acuity	0.5	Minimal to no discernable details of the proposed solar array structures and security fencing are present throughout this view due to distance and angle.
Amount of Project Clearing Seen	0.5	Very little clearing can be identified in this view.
Screening/Mitigation Needed	3	Screening efforts will be needed to mitigate this view.
Total	**12.5**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1.5	The setting is rural however, a few residential structures are nearby and a roadway is present along the front of the project site as well allowing for a modest number of viewers to be accounted for.
Duration of View	1.5	Several residential structures are present nearby and a roadway exists along the project site allowing for some long-term and short-term views to occur.
Presence of Existing Development	1	A few residential and farm structures are presently located within this view and/or located nearby in close proximity to this solar farm.
Uniqueness of Landscape Compared to Region	1	The landscape appears to be representative to the surrounding area.
Presence of Water	0	No water appears to be present in this view.
Total	**5**	
Part 3 Scenic Quality		

General Scenic Quality of the View	**1.0**	The view provides a rural, and quiet setting but, it is typical for this area and remote and removed.

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 7/31/2020
Viewpoint Number: 16b	Preparer: Kirsten Johnson
Viewpoint Location: Dix	
Viewpoint Description: Baker Hill Road	
Landscape Similarity Zone: Agricultural/Open	
Viewer Type (check all that apply): ☐ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	2.5	panels blanket an otherwise uninterrupted expanse of open field
Line Contrast	3	fence lines sharply opposed to existing lines, panel arrays form vertical linear breaks against the existing horizontally-oriented tree line and fencing
Texture Contrast	3	minimal existing texture in panel area, though moderate existing texture via hedges, tree lines and development in the view. Panels create messy chaotic feel in the view
Color Contrast	2.5	
Project Scale Contrast/Spatial Dominance	2.5	other visual elements existing however panels area becomes dominant
Broken Horizon Line	1	minimal breaks created in center of frame
Visual Acuity	1	hard to discern details or panel arrangement, possibly due to exposure of image
Amount of Project Clearing Seen	0.5	extremely minimal
Screening/Mitigation Needed	1.5	screening may be required; however, existing development and natural screening may disrupt view well enough
Total	**17.5**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	2.5	moderate traffic from paved road in rural area; landowners and farm workers at nearby farms will have unhindered view of panels
Duration of View	2.5	uninterrupted visibility by landowners and farm workers
Presence of Existing Development	2	existing farms
Uniqueness of Landscape Compared to Region	1	fairly similar to surrounding area
Presence of Water	0	
Total	**8**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**1.5**	pastoral view due to gently rolling landform and rural character of the farm and fences

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 8/9/2020
Viewpoint Number: 17	Preparer: J.Bartos
Viewpoint Location: Dix	
Viewpoint Description: Baker Hill Road	
Landscape Similarity Zone: Agricultural/Open	
Viewer Type (check all that apply): ☐ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	2	Lateral breadth of project introduces one new large form that is apparent but is similar to larger shapes in landscape.
Line Contrast	0.5	Similar to existing lines in scape. Project undulates parallel to existing topography
Texture Contrast	0.5	Texture similar to other textures in view.
Color Contrast	1	Color contrast is low because project blends in with similar colors that comprise the middleground and background trees.
Project Scale Contrast/Spatial Dominance	1.5	Low profile arrays is co-dominant in view. The project is not high but there is lateral breadth.
Broken Horizon Line	0.5	Very minimal.
Visual Acuity	1	Project can be seen but low discernible detail.
Amount of Project Clearing Seen	0	
Screening/Mitigation Needed	1	Project can be seen but colors blend in with background and there are some trees in front that block views.
Total	**8**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	0.5	Only intermittent and transient roadway travel on low traveled road.
Duration of View	0.5	Short duration views from road travel.
Presence of Existing Development	0	
Uniqueness of Landscape Compared to Region	0	
Presence of Water	0	
Total	**1**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**2**	Pastoral peaceful open land

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 8/6/2020
Viewpoint Number: 17	Preparer: Michael Ross
Viewpoint Location: Dix	
Viewpoint Description: Baker Hill Road	
Landscape Similarity Zone: Agricultural/Open	
Viewer Type (check all that apply): ☐ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	1	The overall form of the landscape still remains fairly intact however, there are less obvious changes with the proposed solar array structures that does create some minor contrast in form/shape/pattern within the landscape.
Line Contrast	1	Minimal contrast in line is observed once the proposed solar farm is introduced into the existing landscape. The minimal contrast is created by the addition of the proposed rows of solar arrays.
Texture Contrast	1.5	The rows of proposed solar arrays create some discernable contrast in texture within the existing landscape.
Color Contrast	1	The proposed rows of solar arrays depict similar color tones and hues of the existing landscape and vegetation creating minimal variations and contrast of color.
Project Scale Contrast/Spatial Dominance	2	The proposed solar panel structures cover a significant portion of land area within this view that depicts spatial dominance and creates obvious and impactful scale differences within the existing landscape.
Broken Horizon Line	0	The horizon line is not broken.
Visual Acuity	0.5	Minimal to no discernable details of the proposed solar array structures and security fencing are present throughout this view due to distance and angle.
Amount of Project Clearing Seen	2	Necessary clearing of existing vegetation can be identified in this view.
Screening/Mitigation Needed	3	Screening efforts will be needed to mitigate this view.
Total	**12**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1.5	The setting is rural however, a few residential structures are nearby and a roadway is present along the front of the project site as well allowing for a modest number of viewers to be accounted for.
Duration of View	1.5	Several residential structures are present nearby and a roadway exists along the project site allowing for some long-term and short-term views to occur.
Presence of Existing Development	1	A few residential and farm structures are presently located nearby in close proximity to this solar farm.
Uniqueness of Landscape Compared to Region	1	The landscape appears to be representative to the surrounding area.
Presence of Water	0	No water appears to be present in this view.
Total	**5**	
Part 3 Scenic Quality		

General Scenic Quality of the View	**1.0**	The view provides a rural, and quiet setting but, it is typical for this area and remote and removed.

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 7/31/2020
Viewpoint Number: 17	Preparer: KEJ
Viewpoint Location: Dix	
Viewpoint Description: Baker Hill Road	
Landscape Similarity Zone: Agricultural/Open	
Viewer Type (check all that apply): ☐ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	1.5	Existing conditions are complex in form; Project components replace existing complexity but do not substantially alter it.
Line Contrast	3	linear arrangement of panels visible and distinct from non-uniform arrangement of existing vegetation
Texture Contrast	2	existing conditions are texturally complex whereas project is texturally more uniform
Color Contrast	2.5	panels appear significantly darker than existing shrubs/trees; significant contrast in field area in upper left of frame
Project Scale Contrast/Spatial Dominance	2.5	though foreground is unchanged, the panels become the dominant feature over a significant portion of the visible area
Broken Horizon Line	0	
Visual Acuity	2	some areas sharper than others, though acuity reduced in left half of frame where panels are further from viewpoint
Amount of Project Clearing Seen	2.5	moderate to heavy clearing appears to occur
Screening/Mitigation Needed	1.5	existing hedgerow offers a great deal of screening, though additional screenings where natural elements are less dense may help mitigate
Total	**17.5**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	2	transient and continuous viewers – residence and moderate traffic on paved road in rural area
Duration of View	2.5	adjacent homeowners will have uninterrupted long use views
Presence of Existing Development	2	several residences and farm building nearby
Uniqueness of Landscape Compared to Region	1.5	
Presence of Water	0	
Total	**8**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**1**	fairly uncharacteristic; chaotic and messy; no long range views to promote scenic quality

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 8/9/2020
Viewpoint Number: 19	Preparer: J.Bartos
Viewpoint Location: Dix	
Viewpoint Description: Vanzandt Hollow Road	
Landscape Similarity Zone: Agricultural/Open, Developed-Resident nearby	
Viewer Type (check all that apply): ☒ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	1.5	New larger form introduced but is similar to existing landscape patterns
Line Contrast	0.5	Minimal
Texture Contrast	0.5	Minimal
Color Contrast	1.5	Although the array color is similar to existing leaf off trees the new color that is introduced into the existing ochre fields provides contrast
Project Scale Contrast/Spatial Dominance	2	Does not have vertical scale but lateral breadth
Broken Horizon Line	0.5	Generally at the horizon line at distance
Visual Acuity	2	Individual panels cannot be observed but the arrays as a group on the hillside can be seen
Amount of Project Clearing Seen	0	
Screening/Mitigation Needed	2	
Total	**10.5**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	2	Likely some number of motorists with short duration views will observe these and there is residents near viewpoint
Duration of View	2	Both short and long duration
Presence of Existing Development	1	Development and human induced activities noted but is not industrial or too commercial
Uniqueness of Landscape Compared to Region	0.5	
Presence of Water	0	
Total	**5.5**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**2**	Average.

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 8/6/2020
Viewpoint Number: 19	Preparer: Michael Ross
Viewpoint Location: Dix	
Viewpoint Description: Vanzandt Hollow Road	
Landscape Similarity Zone: Agricultural/Open, Developed-Resident nearby	
Viewer Type (check all that apply): ☒ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	0.5	The solar farm is visible off in the distance however, it is too far away to have any real contrast in the overall form of the landscape.
Line Contrast	0.5	The solar farm is visible off in the distance however, it is too far away to have any real contrast in the overall line and/or lines found within the landscape.
Texture Contrast	0.5	The solar farm is visible off in the distance however, it is too far away to have any real contrast in the overall textures found within the existing landscape.
Color Contrast	0.5	The solar farm is visible off in the distance however, it is too far away to have any real contrast in the overall colors that are found within the landscape. The colors and hues of the proposed solar farm actually blend in with the surrounding colors of the existing vegetation during this time of year.
Project Scale Contrast/Spatial Dominance	2	The proposed solar panel structures cover a significant portion of land area within this view. Even at this distance, spatial dominance can be observed and project size and scale understood.
Broken Horizon Line	0	The horizon line is not broken.
Visual Acuity	0.5	Minimal to no discernable details of the proposed solar array structures and security fencing are present throughout this view primarily due to distance.
Amount of Project Clearing Seen	1	Some clearing of existing vegetation can be identified in this view.
Screening/Mitigation Needed	3	Screening efforts will be needed to mitigate this view along this roadway and elsewhere.
Total	**8.5**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1.5	The setting is rural however, a number of residential structures exist throughout this area, some of which can be seen within this view.
Duration of View	2	A number of residential structures are present throughout this are allowing for long-term duration of views. Additionally, a roadway exists and can be observed in the view which will allow for short-term duration of view as well.
Presence of Existing Development	1.5	A number residential and farm structures are presently located throughout this area.
Uniqueness of Landscape Compared to Region	1.5	The landscape is picturesque but, appears to be representative to the surrounding area.
Presence of Water	0	No water appears to be present in this view.
Total	**6.5**	
Part 3 Scenic Quality		

General Scenic Quality of the View	**1.5**	The view provides a picturesque, rural, and quiet setting but, it is typical for this area and is somewhat remote and removed.

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong

TRC Visual Impact Rating Form

Project: Watkins Glen Solar Energy Center	Date: 7/31/2020
Viewpoint Number: 19	Preparer: Kirsten Johnson
Viewpoint Location: Dix	
Viewpoint Description: Vanzandt Hollow Road	
Landscape Similarity Zone: Agricultural/Open, Developed-Resident nearby	
Viewer Type (check all that apply): ☒ Resident ☐ Commuter/Traveler ☒ Local Motorist ☐ Recreational ☐ Worker	
Seasonal Condition: ☐ Leaf On ☒ Leaf Off	

Visual Rating Element	Rating	Notes
Part 1 Visual Contrast Rating		
Form Contrast	0	panels visible from this distance conform to existing landforms and doo not stand out against the slope of the hillside
Line Contrast	1	panel areas reduce existing contrast provided by hedgerows
Texture Contrast	0	no difference
Color Contrast	2	contrast provided by existing conditions which is stark between fields and forest areas is reduced by expansive panel arrays – color becomes more uniform in top center of view
Project Scale Contrast/Spatial Dominance	0.5	represents only a small are within the frame
Broken Horizon Line	0	no difference
Visual Acuity	0.5	major laneways between panel areas are visible, otherwise minimal detail visible at this distance
Amount of Project Clearing Seen	1	moderate clearing of hedgerows and forest patches seen in east panel area
Screening/Mitigation Needed	0	
Total	**5**	
Part 2 Viewpoint Sensitivity Rating		
Within a Visual Resource*	0	
View of Other Visual Resource with Project*	0	
A Listed/Known Scenic Resource of Visual Quality*	0	
Number of Viewers (Low or High Use Activity)	1.5	long range view by transient users along road and homeowners adjacent
Duration of View	2.5	panel area visible for long ranges along the road; uninterrupted view by adjacent homeowners
Presence of Existing Development	1	few residences at this viewing location; modest infrastructure (i.e. transmission poles)
Uniqueness of Landscape Compared to Region	1.5	more forested than surrounding areas
Presence of Water	0	
Total	**6.5**	
Part 3 Scenic Quality		
General Scenic Quality of the View	**1.5**	long range view, complex landforms

** these visual rating elements are yes or no answers. Therefore, a rating of 0 or 3 should be applied*

Rating Scale	
0	None
1	Weak
2	Moderate
3	Strong