

County of Albany

Harold L. Joyce
Albany County Office Building
112 State Street - Albany, NY 12207



Meeting Agenda

Tuesday, May 24, 2022

6:00 PM

Held Remotely

Conservation, Sustainability and Green Initiatives **Committee**

PREVIOUS BUSINESS:

1. APPROVING PREVIOUS MEETING MINUTES
2. LOCAL LAW NO. "M" FOR 2021: A LOCAL LAW CONCERNING THE CUTTING, REPLACING AND PRESERVATION OF FOREST LANDS BY COUNTY AUTHORITIES
3. PUBLIC HEARING ON LOCAL LAW NO. "M" FOR 2021 A LOCAL LAW CONCERNING THE CUTTING, REPLACING AND PRESERVATION OF FOREST LANDS BY COUNTY AUTHORITIES
4. LOCAL LAW NO. "A" FOR 2022: A LOCAL LAW ESTABLISHING THE SUSTAINABLE TECHNOLOGY AND GREEN ENERGY ACT ("STAGE ACT")

CURRENT BUSINESS:

5. AUTHORIZING AN AGREEMENT WITH THE MOHAWK HUDSON LAND CONSERVANCY REGARDING THE INSTALLATION OF A LITTLE ART GALLERY ON THE ALBANY COUNTY RAIL TRAIL IN DELMAR
6. AUTHORIZING AN AGREEMENT WITH NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND NEW YORK STATE OFFICE OF PARKS, RECREATION AND HISTORIC PRESERVATION REGARDING MITIGATION MEASURES AT THE WATERVLIET SHAKER HISTORIC DISTRICT
7. DETERMINATION THAT THE SOLAR INSTALLATION AT 897 WATERVLIET-SHAKER ROAD (THE RADAR TOWER) PROJECT IN THE TOWN OF COLONIE WILL NOT HAVE A SIGNIFICANT EFFECT ON THE ENVIRONMENT

County of Albany

*Harold L. Joyce
Albany County Office Building
112 State Street - Albany, NY 12207*



Meeting Minutes

Tuesday, April 26, 2022

6:00 PM

Held Remotely

Conservation, Sustainability and Green Initiatives
Committee

PREVIOUS BUSINESS:

Present: William Reinhardt, Beroro T. Efekoro, Samuel I. Fein,
Patrice Lockart, Matthew J. Miller, Jeff S. Perlee, Victoria
Plotsky and Merton D. Simpson

Excused: Frank J. Commisso

1. APPROVING PREVIOUS MEETING MINUTES

A motion was made that the previous meeting minutes be approved. The motion carried by a unanimous vote.

2. LOCAL LAW NO. "M" FOR 2021: A LOCAL LAW CONCERNING THE CUTTING, REPLACING AND PRESERVATION OF FOREST LANDS BY COUNTY AUTHORITIES

This Local Law was tabled at the request of the Sponsor.

3. PUBLIC HEARING ON LOCAL LAW NO. "M" FOR 2021 A LOCAL LAW CONCERNING THE CUTTING, REPLACING AND PRESERVATION OF FOREST LANDS BY COUNTY AUTHORITIES

This proposal was tabled at the request of the Sponsor.

4. LOCAL LAW NO. "A" FOR 2022: A LOCAL LAW ESTABLISHING THE SUSTAINABLE TECHNOLOGY AND GREEN ENERGY ACT ("STAGE ACT")

This Local Law was tabled at the request of the Sponsor.

CURRENT BUSINESS:

5. AMENDING RESOLUTION 415 FOR 1997 AND UPDATING THE PUBLIC USE PLAN FOR THE LAWSON LAKE PROPERTY FACILITATING PUBLIC ACCESS

A motion was made to move the proposal forward with a positive recommendation. The motion carried by a unanimous vote.

6. ESTABLISHING A TREE PRESERVATION POLICY FOR DEVELOPMENT OF ALBANY COUNTY OWNED PARCELS

Positive Recommendation:

A motion was made to move the proposal forward with a positive recommendation. The motion carried by a unanimous vote.

7. PUBLIC HEARING ON PROPOSED MODIFICATIONS TO
AGRICULTURAL DISTRICT NOS. 2 AND 3

Positive Recommendation:

A motion was made to move the proposal forward with a positive recommendation. The motion carried by a unanimous vote.

8. ADOPTING THE PROPOSED MODIFICATIONS TO AGRICULTURAL
DISTRICT NO. 1

Positive Recommendation:

A motion was made to move the proposal forward with a positive recommendation. The motion carried by a unanimous vote.

LOCAL LAW NO. “M” FOR 2021

A LOCAL LAW CONCERNING THE CUTTING, REPLACING AND PRESERVATION OF FOREST LANDS BY COUNTY AUTHORITIES

Introduced: 11/8/21

By: Messrs. Perlee, Drake, Grimm, Langdon, Ms. Lockhart, Messrs. Mauriello, Tunny and Ms. Whalen

SECTION 1.

Legislative Intent.

Trees play an essential role in the survival of our planet. Trees mitigate temperature fluctuation and lower air temperatures. Trees prevent soil erosion, regulate the hydrology of soil and groundwater levels and absorb surface water, preventing it from flowing into built up and paved areas that contain pollutants that contaminate our waterways. Trees provide aesthetic comfort to urban landscapes and help delineate and buffer areas of current and future development. Through photosynthesis trees sequester harmful carbon dioxide and release life giving oxygen. Certain species which were once abundant in our County, such as the White Pine and Black Locust, are particularly effective at carbon sequestration. By regulating the exchange of energy and water between earth’s surface and atmosphere, trees are our planet’s primary defense in the battle against global warming. If the present rate of tree removal and death is not addressed, we will lose our last tree, and with it the planet, in less than 200 years' time. It is the intent of this law to create a replacement protocol related to the cutting of forested lands of one-half acres or more owned by Albany County and to create an Albany County Forest Preserve which shall serve to help ensure the preservation and enhancement of the total amount of forest land within Albany County.

SECTION 2.

Protocol related to the cutting of forest lands owned by Albany County.

No area of forested land of one-half acre or greater owned by the County shall be disturbed and developed unless:

(a) an inventory of trees to be disturbed and /or removed is made and filed with the Albany County Soil and Water Conservation District (“ACSWCD”). The survey will conform with generally accepted standards of professional tree surveying and will comprehensively and accurately indicate the species and size of all trees 4” and greater diameter at breast height; and

(b) the ASCWCD will determine the value of the trees to be removed (“tree replacement value”) using the Basic Formula Method from the *Guide for Plant Appraisal 10th Edition* by the International Society of Arboriculture;

(c) the County Executive shall place, or cause to be placed an amount equal to two times the tree replacement value (“replacement payment”) into a special Forest Replacement Reserve Fund (“Reserve Fund”) established for the purpose of purchasing replacement forest property;

(d) upon confirmation of deposit of the replacement payment, the ASCWCD shall certify compliance with this section and issue an authorization to proceed with disturbance and/or removal.

SECTION 3.

Purposes of the Reserve Fund.

Funds deposited within The Reserve Fund shall be utilized exclusively for the following purposes:

(a) to purchase lands suitable for reforestation to be held in fee simple by the County (b) costs directly associated with planting said purchased lands with tree species known to possess high carbon dioxide sequestration capabilities;

SECTION 4.

Acquisition and Maintenance of Replacement Forest Property.

No more than one year following an authorization to disturb county forest lands, the County Executive shall identify and caused to be purchased real property suitable for replacement forest. Said property shall:

(a) be designated as Albany County Forest Preserve and shall be operated and maintained as natural open space in accordance with New York State General Municipal Law, Section 247;

(b) be no smaller in area than two times the area of the parcel containing the disturbed forest land it replaced;

(b) be suitable for reforestation;

(d) be located in an area of the County otherwise underserved by County facilities;

(e) be located where it can serve as a permanent green buffer to existing or proposed development;

(f) be contiguous or in proximate vicinity to lands designated as County Forest Preserve, if applicable;

(g) be forever kept as forest lands;

(h) be capable of use for nature education programs, nature trails and other County recreation purposes.

SECTION 5.

State Environmental Quality Review Act Compliance.

This County Legislature determines that the adoption of this Local Law constitutes a “Type II action” as said term is defined in the State Environmental Quality Review Act (“SEQRA”), and that no further action with respect to same is required under SEQRA.

SECTION 6.

Severability.

If any section, subsection, sentence, clause, phrase or other portion of this law is, for any reason, declared unconstitutional or invalid, in whole or in part, by any court of competent jurisdiction, such portion shall be deemed severable, and such unconstitutionality or invalidity shall not affect the validity of the remaining portions of this law, which remaining portions shall continue in full force and effect.

SECTION 7.

Effective Date.

This local law shall take effect upon filing with the New York Secretary of State.

Referred to Conservation, Sustainability and Green Initiatives and Law Committees – 11/8/21

RESOLUTION NO. 53

PUBLIC HEARING ON LOCAL LAW NO. “M” FOR 2021 A LOCAL LAW CONCERNING THE CUTTING, REPLACING AND PRESERVATION OF FOREST LANDS BY COUNTY AUTHORITIES

Introduced: 2/14/22

By Mr. Perlee:

RESOLVED, By the County Legislature of the County of Albany that a public hearing on proposed Local Law No. “M” for 2021, “A LOCAL LAW CONCERNING THE CUTTING, REPLACING AND PRESERVATION OF FOREST LANDS BY COUNTY AUTHORITIES” will be held remotely by the Albany County Legislature at 7:15 p.m. on Tuesday, March 29, 2022, with participation information to be made available on the Albany County website, and the Clerk of the County Legislature is directed to cause notice of such hearing to be published containing the necessary information in accordance with the applicable provisions of law.

Referred to Conservation, Sustainability, and Green Initiatives and Law Committees – 2/14/22

LOCAL LAW NO. “A” OF 2022

A LOCAL LAW ESTABLISHING THE SUSTAINABLE TECHNOLOGY AND GREEN ENERGY ACT (“STAGE ACT”)

Introduced: 3/14/22

By Messrs. A. Joyce, Feeney, Efekoro, Fein, Reinhardt and Simpson:

BE IT ENACTED by the County Legislature of the County of Albany as follows:

(1) Title:

This Local law shall be known as the “Sustainable Technology and Green Energy Act”.

(2) Declaration of Legislative Findings & Intent:

In 2019, the State of New York enacted the Climate Leadership and Community Protection Act (CLCPA), thereby creating one of the most ambitious and comprehensive climate and energy laws in the country. The CLCPA calls for nothing less than the decarbonization of the NYS economy and calls on each and every municipality in the state to collaboratively work to significantly increase the green energy business infrastructure in their municipalities to the greatest extent possible. New York has set aggressive goals through the CLCPA, and has established a target of reaching a point where no less than 70% of the state’s electricity consumption will be derived from renewable power generation by the year 2030.

The Albany County Legislature finds that local municipalities are uniquely situated to address the climate goals noted in the CLCPA through local economic development efforts, which prioritize the shift towards clean renewable energy systems and green business that will fuel our economy in the next century. Through collaborative efforts amongst neighboring municipalities, and local economic development agencies, Albany County intends to provide the resources through which business can find a partner in the fight for a healthier environment that brings long-term job investment and employment to our community.

The Albany County Legislature further finds that as our national, state, and local governments emerge from the COVID-19 pandemic the need for an economy driven by green economic development has become more apparent than ever. Only through sustainable investment in long-term clean energy businesses can we hope to stem the tide of decades of environmental devastation brought on by a much prolonged dependence on petroleum-based economies. The County Albany County Legislature determines that the County of Albany and its arms of municipal government can act as a promoter of this type of economic development and intends to commit significant resources to the development of green economic development projects across the County.

The intention of the Albany County Legislature is to establish a [Green Economic Development Plan] Sustainable Technology and Green Energy Plan, which will invigorate and diversify the green business industry in the County of Albany for years to come and contribute to significant economic development, job retention, and development.

(3) Definitions:

- (a) **“STAGE Plan”**: shall mean the [Green Economic Development Plan] Sustainable Technology and Green Energy Plan within Albany County that is authorized and established by Section 4 this Local Law.
- (b) **“Commissioner”**- shall mean the Commissioner of the Office of Management and Budget as established by Article 5, §§501 & 502 of the Albany County Charter.
- (c) **“Comptroller”**- shall mean the Albany County Comptroller as established by Article 4, §401 of the Albany County Charter.
- (d) **“County”**- shall mean the County of Albany, NY.
- (e) **“County Executive”**- shall mean the Albany County Executive as established by Article 3, §§ 301 & 302 of the Albany County Charter.
- (f) **“Director”**- shall mean the Director of the Albany County Department of Economic Development, Conservation, and Planning as established by Article 11, §§1101 & 1102 of the Albany County Charter.
- (g) **“Economic development project”**- shall mean a project undertaken by local development agencies (as defined herein) which is for the purpose of improvement of economic development, job retention, job growth, or business growth within the County.
- (h) **“Green Business”**- shall mean any entity that is a for-profit business that produces goods or provides services that benefit the environment, conserve natural resources, or reduce greenhouse gas emissions. Green businesses include, but are not limited to, corporations that manufacture, produce, build, engineer, service, supply, and/or distribute any product which produces clean energy sources or reduces emissions in other sectors of the economy, such as building or transportation, in order to meet local, state, and federal sustainability goals and contribute demonstrably to the green business footprint in the County.
- (i) **“Financial Assistance”**- shall mean assistance that is provided to the covered entity for the improvement or development of real property,

economic development, job retention and growth, or other similar purposes that is provided either (i) directly by the County, or (ii) indirectly by local economic development agencies. Financial assistance as defined in this section shall include, but not be limited to: grants, bonds, financing, real property tax abatements or exemptions (including, but not limited to, abatements or exemptions from real property taxes, mortgage recording taxes, sales and uses taxes, or payments in lieu of taxes).

- (j) **“Local Economic Development Agencies”**- shall mean an entity that has been constituted and/or established to provide or administer economic development benefits on behalf of the County including, but not limited to : (i) a not-for profit local development corporation established pursuant Section 1411 of the New York State Not-For Profit Corporation Law; (ii) an industrial development agency established pursuant to Sections 856 and/or 903-b of the New York State General Municipal Law; or (iii) any urban development corporation as defined by the New York State Urban Development Corporation Act and/or a public benefit corporation as authorized by the laws of New York. [authorized to be established pursuant to NYS Law which is a state entity.]

(4) Green Economic Development Plan Established:

- (a) The Albany County Legislature hereby establishes an economic development program within Albany County, which shall hereinafter be known as the Sustainable Technology and Green Energy Plan (the “STAGE Plan”). The STAGE Plan, is intended to contribute to the revitalization of the [Albany] County economy, in part, through the support and development of green businesses which bring innovation in the green energy sector and work to diversify our local green business community in contribution to the goals set forth in the Climate Leadership and Community Protection Act (CLCPA) which was adopted by the New York State Legislature in 2019.
- (b) The Director is hereby [empowered] authorized to exercise all powers granted to them pursuant to Article 11, §§1101 &1102 of the Albany County Charter to establish and develop the STAGE Plan and encourage related green business economic development priorities as established by this local law. The Director is encouraged to work collaboratively with the County Executive, Comptroller, Commissioner in the development of the [an economic development Plan] STAGE Plan which prioritizes the retention and attraction of green business in the County.
- (c) Included in the STAGE Plan shall be primary goals, including but not limited to:

- (i) the fostering of, expansion towards, and development of green businesses in the County of Albany;
 - (ii) the development and promulgation of rules and regulations which are geared towards the encouragement of green business the County of Albany;
 - (iii) the development of inter-municipal agreements as well as agreements with local development agencies for the purpose of attracting green business to the County of Albany and providing financial assistance thereto; and
 - (iv) the prioritization of economic development projects which increase the amount of green business, and related employment opportunities created by each in the County of Albany.
- (d) In furtherance of establishing a robust economy with a thriving green energy sector, the Director is further authorized to take any all steps necessary and required to collaborate with local development agencies which are already established and operating in the County to support local economic development goals noted above. This support includes, but in not limited to financial assistance to green business, and economic development projects as defined by this l[L]ocal l[L]aw.
- (e) No later than January 1, 2023, the Director shall promulgate and implement rules and regulations as appropriate and authorized by this section that are necessary required to establish the STAGE Plan. The Director is authorized to work in collaboration and consultation with the County Executive, Comptroller, Commissioner, the Legislature, the Albany County Attorney, and their representatives, as deemed necessary and appropriate to implement the purposes of this local law. The Albany County Legislature shall approve the final STAGE Plan when it is submitted by the Director.
- (f) The Comptroller and/ or the Albany County Legislature may inspect the records and documents related to the STAGE Plan upon written request to the Director and/or the County Executive. Once a properly submitted written request is filed, the Director and/or County Executive must respond within thirty (30) business days with records which respond to a request related to the STAGE Plan.

(5) Funding and Annual Budgetary Appropriation:

- (a) On an annual basis, the Director shall, in conjunction with the Commissioner, incorporate into the County's [of Albany's] yearly budget proposal a fund or appropriation sufficient to support all purposes of this

law including, but not limited to, the necessary community outreach to the green business, to provide for financial assistance as authorized by this law, and to encourage economic development projects prioritized by this local law.

- (b) The Commissioner of Management and Budget is further authorized pursuant to this local law, and consistent with Article 6 of the Albany County Charter and relevant New York State law, to establish any and all necessary funds within each annual County budget proposal which funds all programs and goals as outlined in this local law.

(6) SEQRA Determination:

- (a) The Albany County Legislature hereby determines that the adoption of this Local Law constitutes a “Type II action” as defined in the State Environmental Quality Review Act (“SEQRA”), and that no further action with respect to the same is required under SEQRA.

(7) Severability:

- (a) If any clause, sentence, paragraph, subdivision, section, or part of this Local Law or the application thereof to any person individual, corporation, firm, partnership, entity, or circumstance shall be adjudged by a court of competent jurisdiction to be invalid or unconstitutional, such order or judgement shall not affect, impair, or invalidate the remainder thereof, but shall be confined in its operation to the clause, sentence, paragraph, subdivision, section, or part of this law, or in its application to the person, individual, corporation, firm, partnership, entity, or circumstance directly involved in the controversy in which such order or judgement is rendered.

(8) Effective Date:

- (a) This Local Law shall be effective upon filing with the NYS Secretary of State.

Referred to Conservation, Sustainability, and Green Initiatives and Law Committees – 3/14/22



DANIEL P. MCCOY
COUNTY EXECUTIVE

COUNTY OF ALBANY
OFFICE OF THE EXECUTIVE
112 STATE STREET, ROOM 1200
ALBANY, NEW YORK 12207-2021
(518) 447-7040 - FAX (518) 447-5589
WWW.ALBANYCOUNTY.COM

DANIEL C. LYNCH, ESQ.
DEPUTY COUNTY EXECUTIVE

April 19, 2022

Honorable Andrew Joyce, Chairman
Albany County Legislature
112 State Street, Room 710
Albany, New York 12207

Dear Chairman Joyce:

I respectfully request the County Legislature's approval of a license agreement between Albany County and the Mohawk Hudson Land Conservancy for the installation of a "Little Art Gallery" along the Albany County Helderberg-Hudson Rail Trail. The miniature art gallery is a fully enclosed, secure, outdoor structure presenting rotating exhibitions of contemporary art, created specifically for the mini-gallery

Similar in function and size to the little free libraries that can be found on the County Rail Trail currently, the Little Art Gallery would serve as an added amenity to Rail Trail visitors. Overall, the structure is approximately 18 inches wide, by 24 inches deep, and 19 inches in height, and it will be mounted to a 6x6 post.

The Little Art Gallery would be provided by the Art on the Rail Trail (ART) Committee of the Mohawk Hudson Land Conservancy, and would be installed at the western side of the County Rail Trail's intersection of Hudson Avenue and Adams Street in Delmar. Thank you for your time and consideration. If you should have any questions or concerns, please do not hesitate to reach out to me.

Sincerely,

Daniel P. McCoy
Albany County Executive

cc: Hon. Dennis A. Feeney, Majority Leader
Hon. Frank A. Mauriello, Minority Leader
Rebekah Kennedy, Majority Counsel
Arnis Zilgme, Minority Counsel



County of Albany

Harold L. Joyce
Albany County Office
Building
112 State Street - Albany,
NY 12207

Legislation Text

File #: TMP-3282, **Version:** 1

REQUEST FOR LEGISLATIVE ACTION

Description (e.g., Contract Authorization for Information Services):

Authorizing a license agreement with Mohawk Hudson Land Conservancy for the installation of a miniature art gallery along the Albany County Rail Trail

Date:	April 15, 2022
Submitted By:	Cameron Sagan
Department:	County Executive's Office
Title:	Policy Analyst
Phone:	518-447-7040
Department Rep.	
Attending Meeting:	Cameron Sagan

Purpose of Request:

- Adopting of Local Law
- Amendment of Prior Legislation
- Approval/Adoption of Plan/Procedure
- Bond Approval
- Budget Amendment
- Contract Authorization
- Countywide Services
- Environmental Impact/SEQR
- Home Rule Request
- Property Conveyance
- Other: (state if not listed) Click or tap here to enter text.

CONCERNING BUDGET AMENDMENTS

Increase/decrease category (choose all that apply):

- Contractual
- Equipment
- Fringe
- Personnel

- Personnel Non-Individual
- Revenue

Increase Account/Line No.: Click or tap here to enter text.
Source of Funds: Click or tap here to enter text.
Title Change: Click or tap here to enter text.

CONCERNING CONTRACT AUTHORIZATIONS

Type of Contract:

- Change Order/Contract Amendment
- Purchase (Equipment/Supplies)
- Lease (Equipment/Supplies)
- Requirements
- Professional Services
- Education/Training
- Grant

Choose an item.

Submission Date Deadline Click or tap to enter a date.

- Settlement of a Claim
- Release of Liability
- Other: (state if not listed) Click or tap here to enter text.

Contract Terms/Conditions:

Party (Name/address):

Mohawk Hudson Land Conservancy
425 Kenwood Ave, Delmar, NY 12054

Additional Parties (Names/addresses):

Click or tap here to enter text.

Amount/Raise Schedule/Fee: Click or tap here to enter text.

Scope of Services: Click or tap here to enter text.

Bond Res. No.: Click or tap here to enter text.

Date of Adoption: Click or tap here to enter text.

CONCERNING ALL REQUESTS

Mandated Program/Service: Yes No
If Mandated Cite Authority: Click or tap here to enter text.

Is there a Fiscal Impact: Yes No

Anticipated in Current Budget: Yes No

County Budget Accounts:

Revenue Account and Line: Click or tap here to enter text.

Revenue Amount: Click or tap here to enter text.

Appropriation Account and Line: Click or tap here to enter text.

Appropriation Amount: Click or tap here to enter text.

Source of Funding - (Percentages)

Federal:	0
State:	0
County:	0
Local:	100

Term

Term: (Start and end date) May 16, 2022

Length of Contract: Click or tap here to enter text.

Impact on Pending Litigation

Yes No

If yes, explain: Click or tap here to enter text.

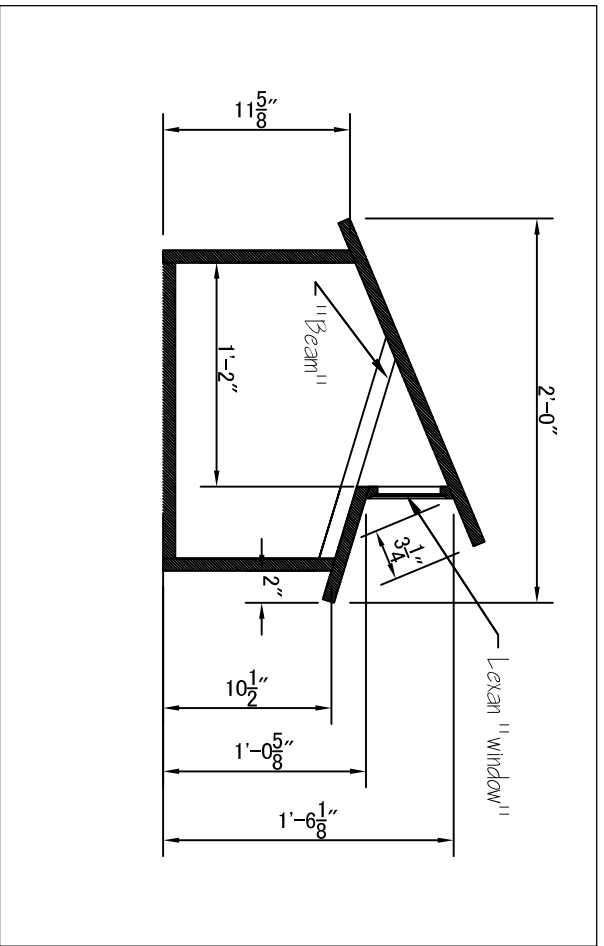
Previous requests for Identical or Similar Action:

Resolution/Law Number: Click or tap here to enter text.

Date of Adoption: Click or tap here to enter text.

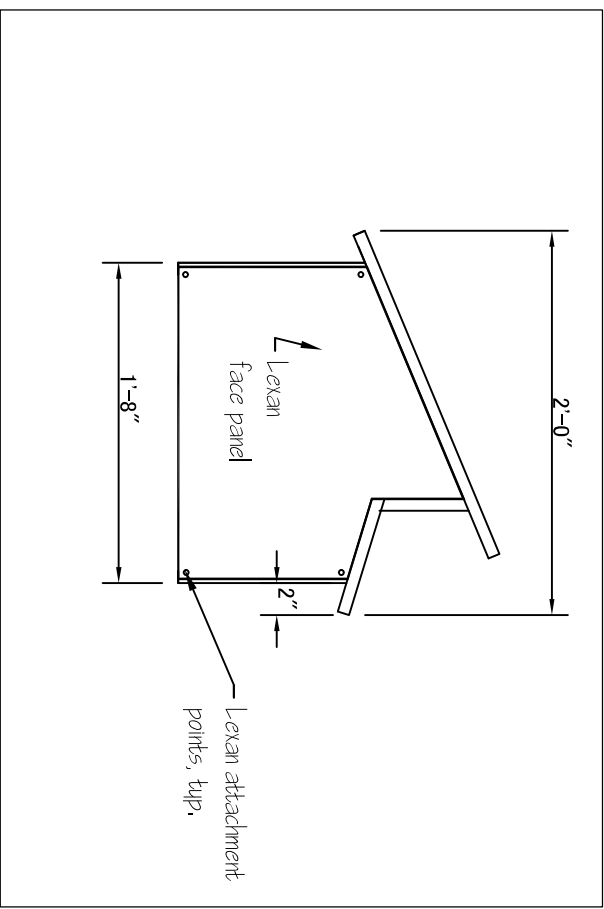
Justification: (state briefly why legislative action is requested)

The Little Art Gallery is a fully enclosed, secure, outdoor structure presenting rotating exhibitions of contemporary art. Similar in size and function to a little free library, the Art Gallery would serve as an added amenity to Rail Trail visitors. The Art Gallery would be provided by the Art on the Rail Trail (ART) Committee of the Mohawk Hudson Land Conservancy, and would be installed at western side of the Rail Trail's intersection of Hudson Avenue and Adams Street in Delmar through this license agreement.



Section

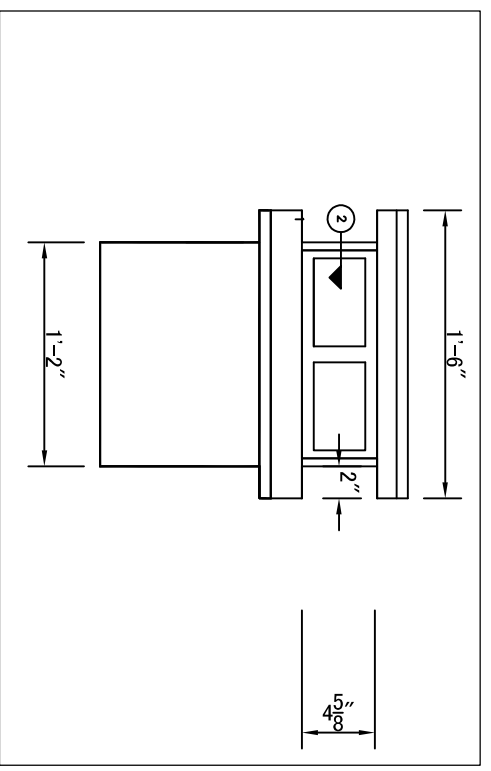
Scale: 1"=1'-0"



Front Elevation

Scale: 1"=1'-0"

Revised
04/24/2022



Side Elevation

Scale: 1"=1'-0"

Little Art Gallery on the Albany County Helderberg-Hudson Rail Trail

The Little Art Gallery is a fully enclosed, secure, outdoor structure presenting rotating exhibitions of contemporary art for Rail Trail visitors. Akin to little free libraries, the Gallery is a box-like structure mounted on a post, with a viewing window that will face the Rail Trail. Exhibitions are miniature in scale and designed specifically for the Gallery, with an eye towards family-friendly content that embraces themes germane to the Rail Trail. The Little Art Gallery aims to be an exemplary miniature gallery among the growing international community of such galleries, both in design and programming.

Location

Sited on the west side of the intersection of Hudson Avenue and Adams Street

Installation and target opening

August, 2022. Installation at the trail would benefit from the County's participation, as was engaged for the little library now at the Slingerlands trail head.

Nature of exhibitions and art

Original, hand-made works of art, created specifically for the mini-gallery. Artwork content will be suitable for general audiences. Didactic information will take the form of a small text sign attached to the side of the Gallery, with a QR code that links to the artist's website. There is also the possibility of borrowing "shows" from other mini-art galleries.

Artist qualifications and selection

Primarily non-students within 100 miles of the Capital District chosen by ART subcommittee members through a submission process. Free submissions through a web-based form. A proposed stipend of \$200 for each participating artist, funded by MHLC ART Committee funds. Traveling loan shows from other mini-galleries is also a possibility.

Promotion and community impact

In addition to ongoing in-person enjoyment, the Gallery will be featured on Instagram and other social media, and may be the centerpiece for "gallery talks" and other educational programming.

The Structure

The Little Art Gallery will be a high-quality structure with an exemplary design for miniature galleries. Working with architect Geoff Hamburg, ART has created plans for a unit with a two-level pitched roof with a viewing window that is 22 inches wide with a Lexan window. Overall, the structure is approximately 24 inches wide by 18 inches deep and 24 inches in height. It will be mounted to a 6 x6 post. The unit will be constructed by an accomplished carpenter, with quality details and minimal, but tasteful decoration. See attached plan.

Surround

Ideally, the Little Art Gallery will be a few steps off the trail, and would benefit from a stone or similar platform for viewers to stand on when enjoying the exhibitions.

Other

Possibly the inclusion of solar spotlights for nighttime security, and greenery in the surround. The door to the Gallery will be fastened with locking bolts, and the structure will be removeable from the post by ART staff if repairs are needed. ART will maintain the gallery.

Contact:

Charles Duncan, ART Committee member:

ART Website: <https://www.mohawkhudson.org/art>

April 18, 2022



DANIEL P. MCCOY
COUNTY EXECUTIVE

COUNTY OF ALBANY
OFFICE OF THE EXECUTIVE
112 STATE STREET, ROOM 1200
ALBANY, NEW YORK 12207-2021
(518) 447-7040 - FAX (518) 447-5589
WWW.ALBANYCOUNTY.COM

DANIEL C. LYNCH, ESQ.
DEPUTY COUNTY EXECUTIVE

May 12, 2022

Honorable Andrew Joyce, Chairman
Albany County Legislature
112 State Street, Room 710
Albany, New York 12207

Dear Chairman Joyce:

The Office of the Albany County Executive is requesting authorization to enter into a Letter of Resolution agreement with the New York State Department of Environmental Conservation, NYS Office of Parks Recreation and Historic Preservation, and Siemens Industry, Inc. to define mitigation measures required to offset construction in the Watervliet Shaker Historic District. After conversation with the Historic District, the agreed upon mitigation measures include the following: (1) The site will be documented in its current condition; (2) Siemens Industry Inc. will fund replacement of the roof on the Shaker Meeting House at the Church Family Site at a cost of up to \$35,000; and (3) Siemens Industry Inc. will use pollinator plants and native grasses in and around the solar array.

If you should have any questions, please do not hesitate to contact me.

Sincerely

Daniel P. McCoy
Albany County Executive

cc: Hon. Dennis Feeney, Majority Leader
Hon. Frank Mauriello, Minority Leader
Rebekah Kennedy, Majority Counsel
Arnis Zilgme, Minority Counsel



County of Albany

Harold L. Joyce
Albany County Office
Building
112 State Street - Albany,
NY 12207

Legislation Text

File #: TMP-3343, **Version:** 1

REQUEST FOR LEGISLATIVE ACTION

Description (e.g., Contract Authorization for Information Services):

Request to Execute Letter of Resolution with New York State Pursuant to the Albany County Solar Project

Date:	5/12/2022
Submitted By:	Lucas Rogers
Department:	County Executive
Title:	Analyst
Phone:	518-447-5566
Department Rep.	
Attending Meeting:	Laura DeGaetano

Purpose of Request:

- Adopting of Local Law
- Amendment of Prior Legislation
- Approval/Adoption of Plan/Procedure
- Bond Approval
- Budget Amendment
- Contract Authorization
- Countywide Services
- Environmental Impact/SEQR
- Home Rule Request
- Property Conveyance
- Other: (state if not listed) Click or tap here to enter text.

CONCERNING BUDGET AMENDMENTS

Increase/decrease category (choose all that apply):

- Contractual
- Equipment
- Fringe
- Personnel

- Personnel Non-Individual
- Revenue

Increase Account/Line No.: Click or tap here to enter text.
Source of Funds: Click or tap here to enter text.
Title Change: Click or tap here to enter text.

CONCERNING CONTRACT AUTHORIZATIONS

Type of Contract:

- Change Order/Contract Amendment
- Purchase (Equipment/Supplies)
- Lease (Equipment/Supplies)
- Requirements
- Professional Services
- Education/Training
- Grant

Choose an item.

Submission Date Deadline Click or tap to enter a date.

- Settlement of a Claim
- Release of Liability
- Other: (state if not listed) Letter of Resolution

Contract Terms/Conditions:

Party (Name/address):
NYS Department of Environmental Conservation

Additional Parties (Names/addresses):
NYS Office of Parks Recreation and Historic Preservation

Additional Parties (Names/addresses):
Siemens Industry, Inc.

Amount/Raise Schedule/Fee: Click or tap here to enter text.
Scope of Services: Letter of Resolution with New York State to establish mitigation measures to address the 'adverse impact' on the Watervliet Shaker Historic District as determined by the NYS Office of Parks Recreation and Historic Preservation

Bond Res. No.: Click or tap here to enter text.
Date of Adoption: Click or tap here to enter text.

CONCERNING ALL REQUESTS

Mandated Program/Service: Yes No
If Mandated Cite Authority: NYS SHPO

Is there a Fiscal Impact: Yes No
Anticipated in Current Budget: Yes No

County Budget Accounts:

Revenue Account and Line: Click or tap here to enter text.
Revenue Amount: Click or tap here to enter text.

Appropriation Account and Line: Click or tap here to enter text.
Appropriation Amount: Click or tap here to enter text.

Source of Funding - (Percentages)

Federal: Click or tap here to enter text.
State: Click or tap here to enter text.
County: Click or tap here to enter text.
Local: Click or tap here to enter text.

Term

Term: (Start and end date) Click or tap here to enter text.
Length of Contract: Click or tap here to enter text.

Impact on Pending Litigation

If yes, explain: Yes No
Click or tap here to enter text.

Previous requests for Identical or Similar Action:

Resolution/Law Number: Click or tap here to enter text.
Date of Adoption: Click or tap here to enter text.

Justification: (state briefly why legislative action is requested)

The Office of the Albany County Executive is requesting authorization to enter into a Letter of Resolution agreement with the New York State Department of Environmental Conservation, NYS Office of Parks Recreation and Historic Preservation, and Siemens Industry, Inc. to define mitigation measures required to offset construction in the Watervliet Shaker Historic District. After conversation with the Historic District, the agreed upon mitigation measures include the following: (1) The site will be documented in its current condition; (2) Siemens Industry Inc. will fund replacement of the roof on the Shaker Meeting House at the Church Family Site at a cost of up to \$35,000; and (3) Siemens Industry Inc. will use pollinator plants and native grasses in and around the solar array.

**DRAFT LETTER OF RESOLUTION FOR
MITIGATION OF ADVERSE IMPACTS ON CULTURAL RESOURCES ASSOCIATED WITH
THE DEVELOPMENT OF THE ALBANY COUNTY SOLAR PROJECT
AMONG**

**New York State Department of Environmental Conservation;
New York State Office of Parks, Recreation, and Historic Preservation; and
Albany County; and Siemens Industry, Inc.**

21PR01812

WHEREAS, Siemens Industry, Inc. intends to build the (“Project”) a 1.872 MW DC solar project on approximately five-acres of a 33.90-acre parcel located at 897 Watervliet shaker Rd.; and

WHEREAS, the Project requires coverage under a State Pollution Discharge Elimination System General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001) issued by the New York State Department of Environmental Conservation (Department) for the Project; and

WHEREAS, the Department has consulted with the New York State Office of Parks, Recreation, and Historic Preservation (OPRHP) in accordance with Section 14.09 of the New York State Parks Law of 1980, 9 NYCRR Part 428 and the existing intra-agency Letter of Resolution; and

WHEREAS, Siemens Industry, Inc. has completed historic, prehistoric and archeological reviews, surveys, and investigations throughout the project impact area (PIA) for the Project; and

WHEREAS, The NYS OPRHP Division for Historic Preservation (“Division”) Archaeology Unit has reviewed the Phase I Archeological Survey report submitted for this project entitled “Phase I Archeological Investigation, Albany Radar Tower Site Solar, Watervliet Shaker Road and Airline Drive, Town of Colonie, Albany County, New York” prepared by Hartgen Archeological Associates, Inc (21SR00616; September 2021). and concurs with the report recommendation that no additional archaeological work is necessary.

WHEREAS, the proposed Project is sited in the Watervliet Shaker Historic District which is listed on the New York State and National Registers of Historic Places (Historic District); and

WHEREAS, it has been determined that the introduction of the solar array will have an Adverse Impact on the historic district; and the Department, OPRHP, Siemens Industry Inc. and the County all seek to avoid said impact; and

WHEREAS, avoidance of impacts to the Watervliet Shaker Historic District is unavoidable; and

NOW, THEREFORE, in accordance with the NEW YORK STATE PARKS, RECREATION AND HISTORIC PRESERVATION LAW, the Department, OPRHP, and Siemens Industry Inc. and the County agree that the Project may proceed subject to the stipulations set forth below:

STIPULATIONS

1. The site will be documented in its current condition
2. Siemens Industry Inc. Shall fund replacement of the roof on the Shaker Meeting House at the Church Family Site at a cost of up to \$35,000 (Attachment B map, photo, estimate)

3. Siemens Industry Inc. will use pollinator plants and native grasses in and around the solar array (Attachment C Landscape Plan)

4. Other Terms and Conditions:

- Modifications, amendments, or termination of this agreement as necessary shall be accomplished by the signatories in the same manner as the original agreement.
- Disputes regarding the completion of the terms of this agreement shall be resolved by the signatories.

The signatories agree that by execution of this agreement the Department has satisfied its requirements for compliance with Section 14.09 of the New York State Parks Law of 1980 and 9 NYCRR part 428.

NYS Department for Environmental Conservation

Charles E. Vandrei
Agency Historic Preservation Officer

Date: _____

NYS Office of Parks Recreation and Historic Preservation

Daniel Mackay
Deputy Commissioner

Date: _____

Siemens Industry Inc.

Name: _____

Title: _____

Date: _____

County of Albany

Name: _____

Title: _____

Date: _____

Attachment A

State Historic Preservation Office/ New York State Office of Parks, Recreation and Historic Preservation Human Remains Discovery Protocol

(August 2018)

If human remains are encountered during construction or archaeological investigations, the New York State Historic Preservation Office (SHPO) recommends that the following protocol is implemented:

Human remains must be treated with dignity and respect at all times. Should human remains or suspected human remains be encountered, work in the general area of the discovery will stop immediately and the location will be secured and protected from damage and disturbance.

If skeletal remains are identified and the archaeologist is not able to conclusively determine whether they are human, the remains and any associated materials must be left in place. A qualified forensic anthropologist, bioarchaeologist or physical anthropologist will assess the remains in situ to help determine if they are human.

No skeletal remains or associated materials will be collected or removed until appropriate consultation has taken place and a plan of action has been developed.

The SHPO, the appropriate Indian Nations, the involved state and federal agencies, the coroner, and local law enforcement will be notified immediately. Requirements of the coroner and local law enforcement will be adhered to. A qualified forensic anthropologist, bioarchaeologist or physical anthropologist will assess the remains in situ to help determine if the remains are Native American or non-Native American.

If human remains are determined to be Native American, they will be left in place and protected from further disturbance until a plan for their avoidance or removal can be generated. Please note that avoidance is the preferred option of the SHPO and the Indian Nations. The involved agency will consult SHPO and the appropriate Indian Nations to develop a plan of action that is consistent with the Native American Graves Protection and Repatriation Act (NAGPRA) guidance. Photographs of Native American human remains and associated funerary objects should not be taken without consulting with the involved Indian Nations.

If human remains are determined to be non-Native American, the remains will be left in place and protected from further disturbance until a plan for their avoidance or removal can be generated. Please note that avoidance is the preferred option of the SHPO. Consultation with the SHPO and other appropriate parties will be required to determine a plan of action.

To protect human remains from possible damage, the SHPO recommends that burial information not to be released to the public.

Siemens Industry Inc. shall submit this documentation to Albany County for submission to OPRHP through the CRIS website at: <https://cris.parks.ny.gov> for review and approval. The material should be submitted to the existing CRIS project file 21PR01812.

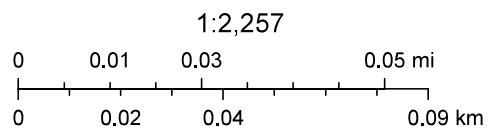
DRAFT

Mitigation Site



5/11/2022, 2:20:55 PM

 Tax Parcels (2021)



Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



DANIEL P. MCCOY
COUNTY EXECUTIVE

COUNTY OF ALBANY
OFFICE OF THE EXECUTIVE
112 STATE STREET, ROOM 1200
ALBANY, NEW YORK 12207-2021
(518) 447-7040 - FAX (518) 447-5589
WWW.ALBANYCOUNTY.COM

DANIEL C. LYNCH, ESQ.
DEPUTY COUNTY EXECUTIVE

May 18, 2022

Honorable Andrew Joyce, Chairman
Albany County Legislature
112 State Street, Room 710
Albany, New York 12207

Dear Chairman Joyce:

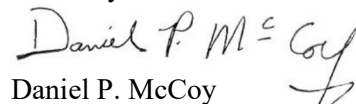
The Office of the Albany County Executive is requesting the Legislature adopt the determination under SEQR that the proposed Albany County Solar Array project will not have a significant impact on the environment. The project consists of a lease of approximately 5 acres of County-owned property at 897 Watervliet Shaker Road to Siemens Industries LLC for the installation of a 1.87MW solar farm that will produce power for Albany County through a power purchase agreement.

The project was determined to be a Type I Action under SEQRA due to the location of the site within the Watervliet Shaker Historic District and the County took steps to establish lead agency, coordinate a review with involved agencies, and complete all necessary site studies. As part of its review process the County has reviewed Part 1 of the Full Environmental Assessment Form and comments from the State Historic Preservation Office (SHPO). The County also completed a viewshed analysis, Phase 1 Archaeological Investigation, landscape plan, tree inventory, carbon sequestration analysis and a draft site plan.

In consultation with SHPO, an historic preservation mitigation plan was developed to offset the potential visual impacts of this project. The measures were incorporated into the project and included in a Letter of Resolution (LOR). These measures include: (1) Document the site in its current condition; (2) Fund the replacement of the roof of the Meeting House on the Church Family site at a cost of up to \$35,000 to be paid by Siemens Industry Inc.; (3) Use pollinator plants and native grasses in and around the perimeter fence of the solar array. These plants will help screen the array from drivers on Watervliet Shaker Rd. and multi-use path users. Based on these and other factors, we are requesting the Legislature adopt the determination under SEQR that the project will not have a significant impact on the environment.

If you should have any questions, please do not hesitate to contact me.

Sincerely


Daniel P. McCoy
Albany County Executive

cc: Hon. Dennis Feeney, Majority Leader
Hon. Frank Mauriello, Minority Leader
Rebekah Kennedy, Majority Counsel
Arnis Zilgme, Minority Counsel



County of Albany

Harold L. Joyce
Albany County Office
Building
112 State Street - Albany,
NY 12207

Legislation Text

File #: TMP-3344, Version: 1

REQUEST FOR LEGISLATIVE ACTION

Description (e.g., Contract Authorization for Information Services):

Request to Adopt a Negative SEQR Declaration for the Albany County Solar Project

Date:	May 17,2022
Submitted By:	Lucas Rogers
Department:	CEO
Title:	Analyst
Phone:	518-447-5566
Department Rep.	
Attending Meeting:	Laura DeGaetano/Michael McLaughlin

Purpose of Request:

- Adopting of Local Law
- Amendment of Prior Legislation
- Approval/Adoption of Plan/Procedure
- Bond Approval
- Budget Amendment
- Contract Authorization
- Countywide Services
- Environmental Impact/SEQR
- Home Rule Request
- Property Conveyance
- Other: (state if not listed) Click or tap here to enter text.

CONCERNING BUDGET AMENDMENTS

Increase/decrease category (choose all that apply):

- Contractual
- Equipment
- Fringe
- Personnel
- Personnel Non-Individual

Revenue

Increase Account/Line No.: Click or tap here to enter text.
Source of Funds: Click or tap here to enter text.
Title Change: Click or tap here to enter text.

CONCERNING CONTRACT AUTHORIZATIONS

Type of Contract:

- Change Order/Contract Amendment
- Purchase (Equipment/Supplies)
- Lease (Equipment/Supplies)
- Requirements
- Professional Services
- Education/Training
- Grant

Choose an item.

Submission Date Deadline Click or tap to enter a date.

- Settlement of a Claim
- Release of Liability
- Other: (state if not listed) Click or tap here to enter text.

Contract Terms/Conditions:

Party (Name/address):
Click or tap here to enter text.

Additional Parties (Names/addresses):
Click or tap here to enter text.

Amount/Raise Schedule/Fee: Click or tap here to enter text.
Scope of Services: Click or tap here to enter text.

Bond Res. No.: Click or tap here to enter text.
Date of Adoption: Click or tap here to enter text.

CONCERNING ALL REQUESTS

Mandated Program/Service: Yes No
If Mandated Cite Authority: Click or tap here to enter text.

Is there a Fiscal Impact: Yes No
Anticipated in Current Budget: Yes No

County Budget Accounts:

Revenue Account and Line: Click or tap here to enter text.
Revenue Amount: Click or tap here to enter text.

Appropriation Account and Line: Click or tap here to enter text.
Appropriation Amount: Click or tap here to enter text.

Source of Funding - (Percentages)

Federal: Click or tap here to enter text.
State: Click or tap here to enter text.
County: Click or tap here to enter text.
Local: Click or tap here to enter text.

Term

Term: (Start and end date) Click or tap here to enter text.
Length of Contract: Click or tap here to enter text.

Impact on Pending Litigation Yes No
If yes, explain: Click or tap here to enter text.

Previous requests for Identical or Similar Action:

Resolution/Law Number: Click or tap here to enter text.
Date of Adoption: Click or tap here to enter text.

Justification: (state briefly why legislative action is requested)

The Office of the Albany County Executive is requesting the Legislature adopt the determination under SEQR that the proposed Albany County Solar Array project will not have a significant impact on the environment. The project consists of a lease of approximately 5 acres of County-owned property at 897 Watervliet Shaker Road to Siemens Industries LLC for the installation of a 1.87MW solar farm that will produce power for Albany County through a power purchase agreement.

The project was determined to be a Type I Action under SEQRA due to the location of the site within the Watervliet Shaker Historic District and the County took steps to establish lead agency, coordinate a review with involved agencies, and complete all necessary site studies. As part of its review process the County has reviewed Part 1 of the Full Environmental Assessment Form and comments from the State Historic Preservation Office (SHPO). The County also completed a viewshed analysis, Phase 1 Archaeological Investigation, landscape plan, tree inventory, carbon sequestration analysis and a draft site plan.

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RESOLUTION NO. 207

DECLARING ALBANY COUNTY AS LEAD AGENCY FOR THE PURPOSE OF STATE ENVIRONMENTAL QUALITY REVIEW FOR THE SOLAR INSTALLATION AT 897 WATERVLIET-SHAKER ROAD (THE RADAR TOWER)

Introduced: 7/12/21

By Conservation, Sustainability, and Green Initiatives Committee and Mr. Miller:

WHEREAS, The County Executive has proposed to undertake the solar installation project at 897 Watervliet-Shaker Road (The Radar Tower), and

WHEREAS, Under Part 617 of Title 6 of the New York Code of Rules and Regulations, the State Environmental Quality Review Act ("SEQRA"), it is necessary for a lead agency to be established for the review of the Project and for the action to be classified as Type I, Type II or unlisted, and

WHEREAS, Due to historical concerns regarding the site, the action is considered a Type I action pursuant to SEQRA and requires that a Lead Agency be designated, and

WHEREAS, Albany County, as the government agency undertaking the Project for the benefit of the health, safety, and welfare of Albany County residents is the suitable agency for undertaking, funding and approving the project, now, therefore be it

RESOLVED, That Albany County hereby declares itself Lead Agency for the environmental review of the Project pursuant to SEQRA, and, be it further

RESOLVED, That Albany County, as the Lead Agency pursuant to SEQRA, has classified the above action for the Project as a Type I action pursuant to SEQRA §617, and, be it further

RESOLVED, That the Chair of the Legislature is hereby authorized and directed to sign and file any documents that may be necessary to comply with SEQRA regarding the Project, and, be it further

RESOLVED, That the Clerk of the County Legislature is directed to forward certified copies of this resolution to the appropriate County Officials.

Adopted by unanimous vote – 7/12/21

Mr. R. Joyce abstained.

State of New York
County of Albany

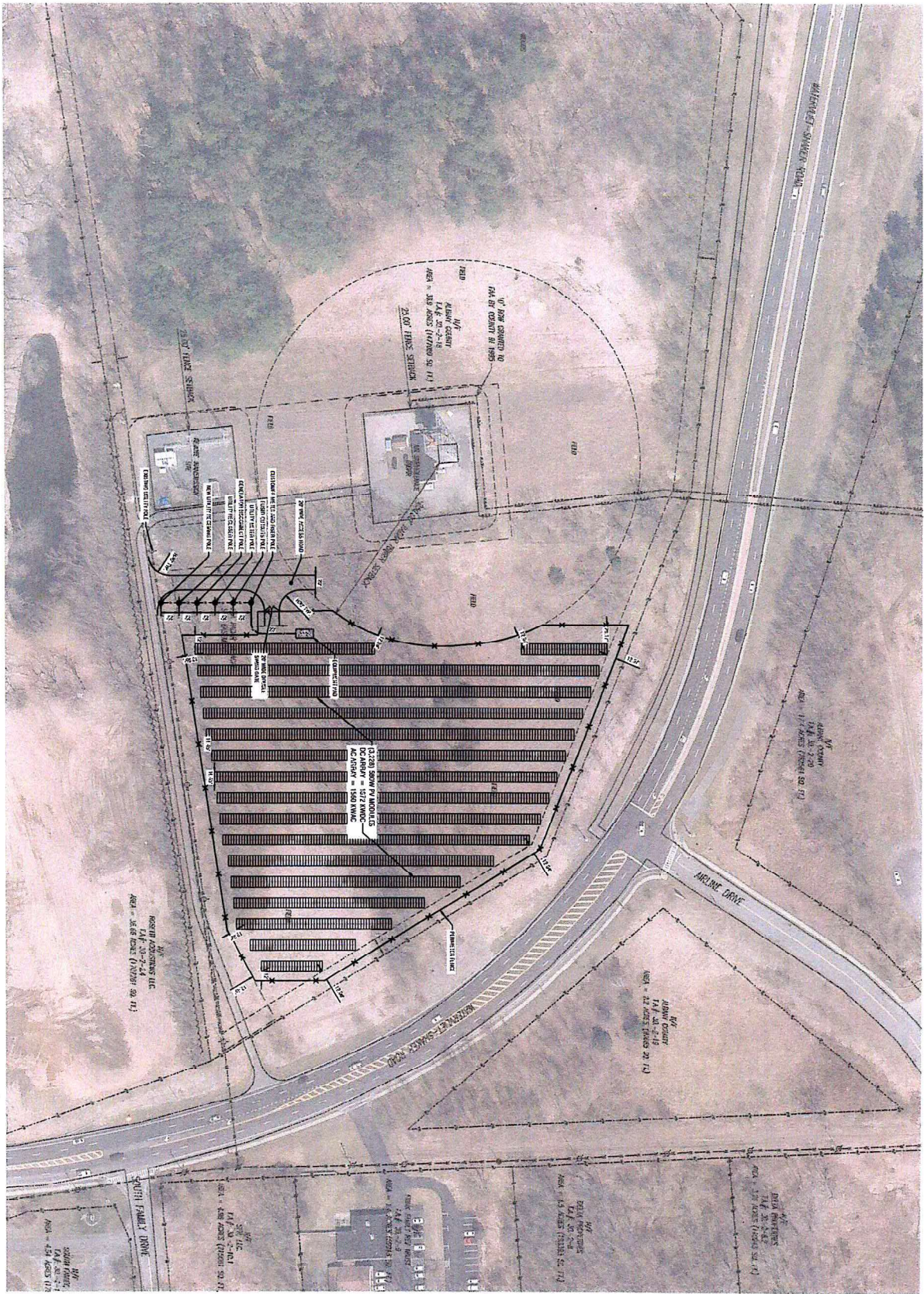
This is to certify that I, the undersigned, Clerk of the Albany County Legislature, have compared the foregoing copy of the resolution and/or local law with the original resolution and/or local law now on file in the office, and which was passed by the Legislature of said County on the 12th day of July, 2021, a majority of all members elected to the Legislature voting in favor thereof, and that the same is a correct and true transcript of such original resolution and/or local law and the whole thereof.



IN WITNESS THEREOF, I have hereunto set my hand and the official seal of the County Legislature this 13th day of July, 2021.

A handwritten signature in cursive script that reads "Nicole Chambers".

Clerk, Albany County Legislature



1 CONCEPT PLAN
 SCALE 1/8" = 1'-0"



Labella
 Powered by Partnership
 25 Delaware Avenue
 Delmar, NY 12054
 518.439.8235
 info@labella.com

NOT FOR CONSTRUCTION

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SIEMENS
 6 BRUSH AVENUE
 LARCHMONT, NY 10538

SIEMENS

ALBANY RADAR TOWER SOLAR
 523 WATKINS ET SIMPSON ROAD

NO.	REV.	DESCRIPTION
1	0	ISSUED FOR PERMIT
2	1	ISSUED FOR PERMIT
3	2	ISSUED FOR PERMIT
4	3	ISSUED FOR PERMIT
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6	5	ISSUED FOR PERMIT
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C201

Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Albany County Solar Installation - Radar Site		
Project Location (describe, and attach a general location map): 897 Watervliet Shaker Rd. - Town of Colonie, NY		
Brief Description of Proposed Action (include purpose or need): Lease of approximately 5 +/- acres of county-owned property at 897 Watervliet Shaker Rd. in the Town of Colonie to Siemens Industry, Inc. for design and installation of a 1.872mw solar farm with associated transmission equipment, a perimeter fence and maintenance access road.		
Name of Applicant/Sponsor: Lucas Rogers	Telephone: 518-447-7040	
	E-Mail: lucas.rogers@albanycountyny.gov	
Address: 112 State St. Room 1200		
City/PO: Albany	State: NY	Zip Code: 12207
Project Contact (if not same as sponsor; give name and title/role):	Telephone:	
	E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor): County of Albany	Telephone: 518-447-7040	
	E-Mail:	
Address: 112 State St. Room 1200		
City/PO: Albany	State: NY	Zip Code: 12207

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)		
Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Planning Board or Commission		
c. City, Town or <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Village Zoning Board of Appeals		
d. Other local agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Albany County Legislature - Lease and funding	2022
f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	OPRHP SHPO - Historic/Archaeologic NYS DEC - SPDES Construction General Permit	2022
h. Federal agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
iii. Is the project site within a Coastal Erosion Hazard Area?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

C. Planning and Zoning

C.1. Planning and zoning actions.	
Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • If Yes, complete sections C, F and G. • If No, proceed to question C.2 and complete all remaining sections and questions in Part 1 	
C.2. Adopted land use plans.	
a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, identify the plan(s): Mohawk Valley Heritage Corridor _____ _____ _____	
c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes, identify the plan(s): _____ _____ _____	

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. Yes No
 If Yes, what is the zoning classification(s) including any applicable overlay district?
 Commercial Office - Historic Overlay

b. Is the use permitted or allowed by a special or conditional use permit? Yes No

c. Is a zoning change requested as part of the proposed action? Yes No
 If Yes,
 i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? South Colonie School District

b. What police or other public protection forces serve the project site?
Town of Colonie Police and Albany County Sheriff

c. Which fire protection and emergency medical services serve the project site?
Verdoy Fire District, Colonie EMS

d. What parks serve the project site?
Ann Lee Pond Nature and Historic Preserve, multi-use path

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Commercial

b. a. Total acreage of the site of the proposed action? _____ 4.95 acres
 b. Total acreage to be physically disturbed? _____ 5.74 acres
 c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ 33.90 acres

c. Is the proposed action an expansion of an existing project or use? Yes No
 i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? Yes No
 If Yes,
 i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types) _____
 ii. Is a cluster/conservation layout proposed? Yes No
 iii. Number of lots proposed? _____
 iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? Yes No
 i. If No, anticipated period of construction: _____ months
 ii. If Yes:
 • Total number of phases anticipated _____
 • Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
 • Anticipated completion date of final phase _____ month _____ year
 • Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? Yes No

If Yes, show numbers of units proposed.

	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	_____
At completion of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? Yes No

- If Yes,
- i. Total number of structures _____
 - ii. Dimensions (in feet) of largest proposed structure: _____ height; _____ width; and _____ length
 - iii. Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? Yes No

- If Yes,
- i. Purpose of the impoundment: _____
 - ii. If a water impoundment, the principal source of the water: Ground water Surface water streams Other specify: _____
 - iii. If other than water, identify the type of impounded/contained liquids and their source. _____
 - iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres
 - v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length
 - vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): _____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) Yes No

- If Yes:
- i. What is the purpose of the excavation or dredging? _____
 - ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?
 - Volume (specify tons or cubic yards): _____
 - Over what duration of time? _____
 - iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. _____
 - iv. Will there be onsite dewatering or processing of excavated materials? Yes No
If yes, describe. _____
 - v. What is the total area to be dredged or excavated? _____ acres
 - vi. What is the maximum area to be worked at any one time? _____ acres
 - vii. What would be the maximum depth of excavation or dredging? _____ feet
 - viii. Will the excavation require blasting? Yes No
 - ix. Summarize site reclamation goals and plan: _____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? Yes No

- If Yes:
- i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

iii. Will the proposed action cause or result in disturbance to bottom sediments? Yes No

If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? Yes No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
- _____
- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

c. Will the proposed action use, or create a new demand for water? Yes No

If Yes:

i. Total anticipated water usage/demand per day: _____ gallons/day

ii. Will the proposed action obtain water from an existing public water supply? Yes No

If Yes:

- Name of district or service area: _____
- Does the existing public water supply have capacity to serve the proposal? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No
- Do existing lines serve the project site? Yes No

iii. Will line extension within an existing district be necessary to supply the project? Yes No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? Yes No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? Yes No

If Yes:

i. Total anticipated liquid waste generation per day: _____ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

iii. Will the proposed action use any existing public wastewater treatment facilities? Yes No

If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No

- Do existing sewer lines serve the project site? Yes No
- Will a line extension within an existing district be necessary to serve the project? Yes No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? Yes No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? Yes No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or _____ <1 acres (impervious surface)

_____ Square feet or _____ 33.9 acres (parcel size)

ii. Describe types of new point sources. N/A

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?
on-site management

- If to surface waters, identify receiving water bodies or wetlands: _____

- Will stormwater runoff flow to adjacent properties? Yes No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? Yes No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? Yes No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? Yes No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) Yes No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____ Tons/year (short tons) of Carbon Dioxide (CO₂)
- _____ Tons/year (short tons) of Nitrous Oxide (N₂O)
- _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)
- _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)
- _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? Yes No

If Yes:
i. Estimate methane generation in tons/year (metric): _____
ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? Yes No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? Yes No

If Yes:
i. When is the peak traffic expected (Check all that apply): Morning Evening Weekend
 Randomly between hours of _____ to _____
ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____
iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____
iv. Does the proposed action include any shared use parking? Yes No
v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: _____
vi. Are public/private transportation service(s) or facilities available within 1/2 mile of the proposed site? Yes No
vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? Yes No
viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? Yes No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? Yes No

If Yes:
i. Estimate annual electricity demand during operation of the proposed action: _____
ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____
iii. Will the proposed action require a new, or an upgrade, to an existing substation? Yes No

l. Hours of operation. Answer all items which apply.
i. During Construction:
• Monday - Friday: _____ 8:00-5:00
• Saturday: _____
• Sunday: _____
• Holidays: _____
ii. During Operations:
• Monday - Friday: _____
• Saturday: _____
• Sunday: _____
• Holidays: _____

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? Yes No

If yes:

i. Provide details including sources, time of day and duration:

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? Yes No

Describe: _____

n. Will the proposed action have outdoor lighting? Yes No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? Yes No

Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? Yes No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? Yes No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally, describe the proposed storage facilities: _____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? Yes No

If Yes:

i. Describe proposed treatment(s):

ii. Will the proposed action use Integrated Pest Management Practices? Yes No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? Yes No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

• Construction: _____ tons per _____ (unit of time)

• Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

• Construction: _____

• Operation: _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

• Construction: _____

• Operation: _____

s. Does the proposed action include construction or modification of a solid waste management facility? Yes No

If Yes:

- i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____
- ii. Anticipated rate of disposal/processing:
 - _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
 - _____ Tons/hour, if combustion or thermal treatment
- iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? Yes No

If Yes:

- i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____
- ii. Generally describe processes or activities involving hazardous wastes or constituents: _____
- iii. Specify amount to be handled or generated _____ tons/month
- iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____
- v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? Yes No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: _____

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

- i. Check all uses that occur on, adjoining and near the project site.
 - Urban Industrial Commercial Residential (suburban) Rural (non-farm)
 - Forest Agriculture Aquatic Other (specify): BOCES, Historic Site, Radar tower, office park
- ii. If mix of uses, generally describe: _____

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	.18	.32	+ .14
• Forested	2.98	.27	-2.71
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	4.48	2.25	-2.23
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: Fenced solar array area (panels with grass underneath, excluding impervious surface)		4.80	+4.80

c. Is the project site presently used by members of the community for public recreation? Yes No
 i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? Yes No
 If Yes,
 i. Identify Facilities:
 Shaker Place Nursing and Rehabilitation Center

e. Does the project site contain an existing dam? Yes No
 If Yes:
 i. Dimensions of the dam and impoundment:
 • Dam height: _____ feet
 • Dam length: _____ feet
 • Surface area: _____ acres
 • Volume impounded: _____ gallons OR acre-feet
 ii. Dam's existing hazard classification: _____
 iii. Provide date and summarize results of last inspection:

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? Yes No
 If Yes:
 i. Has the facility been formally closed? Yes No
 • If yes, cite sources/documentation: _____
 ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

 iii. Describe any development constraints due to the prior solid waste activities: _____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? Yes No
 If Yes:
 i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? Yes No
 If Yes:
 i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: Yes No
 Yes – Spills Incidents database Provide DEC ID number(s): _____
 Yes – Environmental Site Remediation database Provide DEC ID number(s): _____
 Neither database
 ii. If site has been subject of RCRA corrective activities, describe control measures: _____

 iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? Yes No
 If yes, provide DEC ID number(s): _____
 iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

v. Is the project site subject to an institutional control limiting property uses? Yes No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? Yes No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? _____ >7 feet feet

b. Are there bedrock outcroppings on the project site? Yes No
 If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %

c. Predominant soil type(s) present on project site:	St - Stafford loamy fine sand	37.8 %
	NuB - Nunda Silt Loam	21.4 %
	RkA - Riverhead fine sandy loam	15.9 %

d. What is the average depth to the water table on the project site? Average: _____ feet

e. Drainage status of project site soils: Well Drained: _____ 36 % of site
 Moderately Well Drained: _____ % of site
 Poorly Drained _____ 63 % of site

f. Approximate proportion of proposed action site with slopes: 0-10%: _____ 100 % of site
 10-15%: _____ % of site
 15% or greater: _____ % of site

g. Are there any unique geologic features on the project site? Yes No
 If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? Yes No

ii. Do any wetlands or other waterbodies adjoin the project site? Yes No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? Yes No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name US Army Corps of Engineers Approximate Size approx 1-acre
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? Yes No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? Yes No

j. Is the project site in the 100-year Floodplain? Yes No

k. Is the project site in the 500-year Floodplain? Yes No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? Yes No

If Yes:

i. Name of aquifer: Schenectady-Niskayuna Sole Source Aquifer

m. Identify the predominant wildlife species that occupy or use the project site: _____
 migratory and non-migratory birds _____
 small mammals _____
 deer _____

n. Does the project site contain a designated significant natural community? Yes No
 If Yes:
 i. Describe the habitat/community (composition, function, and basis for designation): _____

 ii. Source(s) of description or evaluation: _____
 iii. Extent of community/habitat:
 • Currently: _____ acres
 • Following completion of project as proposed: _____ acres
 • Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? Yes No
 If Yes:
 i. Species and listing (endangered or threatened): _____

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? Yes No
 If Yes:
 i. Species and listing: _____

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? Yes No
 If yes, give a brief description of how the proposed action may affect that use: _____

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? Yes No
 If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? Yes No
 i. If Yes: acreage(s) on project site? Approx. 1- acres _____
 ii. Source(s) of soil rating(s): NRCS _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? Yes No
 If Yes:
 i. Nature of the natural landmark: Biological Community Geological Feature
 ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? Yes No
 If Yes:
 i. CEA name: _____
 ii. Basis for designation: _____
 iii. Designating agency and date: _____

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? Yes No

If Yes:

i. Nature of historic/archaeological resource: Archaeological Site Historic Building or District

ii. Name: Watervliet Shaker Historic District, Waterbliet Shaker Historic District (Boundary Increase)

iii. Brief description of attributes on which listing is based:

Part of the first Shaker settlement in the U.S.

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? Yes No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? Yes No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? Yes No

If Yes:

i. Identify resource: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: _____ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? Yes No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? Yes No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name _____ Date _____

Signature _____ Title _____

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Agency Use Only (if applicable)
 Project : _____
 Date : _____

53

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer "Yes" to a numbered question, please complete all the questions that follow in that section.
- If you answer "No" to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "Moderate to large impact may occur."
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the "whole action".
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land			
Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1)		<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
<i>If "Yes", answer questions a - j. If "No", move on to Section 2.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

2. Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g)

 NO YES

If "Yes", answer questions a - c. If "No", move on to Section 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____ _____	E2g	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	<input type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

3. Impacts on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h)

 NO YES

If "Yes", answer questions a - l. If "No", move on to Section 4.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	<input type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	<input type="checkbox"/>	<input type="checkbox"/>
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	<input type="checkbox"/>	<input type="checkbox"/>
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	<input type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	<input type="checkbox"/>	<input type="checkbox"/>

I. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
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4. Impact on groundwater
 The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. NO YES
 (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t)
If "Yes", answer questions a - h. If "No", move on to Section 5.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	<input type="checkbox"/>	<input type="checkbox"/>
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	<input type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

5. Impact on Flooding
 The proposed action may result in development on lands subject to flooding. NO YES
 (See Part 1. E.2)
If "Yes", answer questions a - g. If "No", move on to Section 6.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in development within a 100 year floodplain.	E2j	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in development within a 500 year floodplain.	E2k	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	<input type="checkbox"/>	<input type="checkbox"/>
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	<input type="checkbox"/>	<input type="checkbox"/>

g. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>
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6. Impacts on Air The proposed action may include a state regulated air emission source. <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (See Part 1. D.2.f., D.2.h, D.2.g) If "Yes", answer questions a - f. If "No", move on to Section 7.			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels: i. More than 1000 tons/year of carbon dioxide (CO ₂) ii. More than 3.5 tons/year of nitrous oxide (N ₂ O) iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs) iv. More than .045 tons/year of sulfur hexafluoride (SF ₆) v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions vi. 43 tons/year or more of methane	D2g D2g D2g D2g D2g D2h	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

7. Impact on Plants and Animals The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES If "Yes", answer questions a - j. If "No", move on to Section 8.			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	<input checked="" type="checkbox"/>	<input type="checkbox"/>

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____	E1b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

8. Impact on Agricultural Resources			
The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.)		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
<i>If "Yes", answer questions a - h. If "No", move on to Section 9.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	E1 a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	<input type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

9. Impact on Aesthetic Resources
 The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.)
 If "Yes", answer questions a - g. If "No", go to Section 10.

NO YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	<input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile 1/2 -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

10. Impact on Historic and Archeological Resources
 The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.)
 If "Yes", answer questions a - e. If "No", go to Section 11.

NO YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on the National or State Register of Historical Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places.	E3e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	<input checked="" type="checkbox"/>	<input type="checkbox"/>

d. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
e. If any of the above (a-d) are answered "Moderate to large impact may occur", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	<input type="checkbox"/>	<input type="checkbox"/>
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	<input type="checkbox"/>	<input type="checkbox"/>

11. Impact on Open Space and Recreation The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan. (See Part 1. C.2.c, E.1.c., E.2.q.) If "Yes", answer questions a - e. If "No", go to Section 12.			
		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	<input type="checkbox"/>	<input type="checkbox"/>
e. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

12. Impact on Critical Environmental Areas The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d) If "Yes", answer questions a - c. If "No", go to Section 13.			
		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	<input type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

13. Impact on Transportation

The proposed action may result in a change to existing transportation systems.

 NO YES

(See Part 1. D.2.j)

If "Yes", answer questions a - f. If "No", go to Section 14.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action will degrade existing transit access.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

14. Impact on Energy

The proposed action may cause an increase in the use of any form of energy.

 NO YES

(See Part 1. D.2.k)

If "Yes", answer questions a - e. If "No", go to Section 15.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	<input type="checkbox"/>	<input type="checkbox"/>
e. Other Impacts: _____ _____			

15. Impact on Noise, Odor, and Light

The proposed action may result in an increase in noise, odors, or outdoor lighting.

 NO YES

(See Part 1. D.2.m., n., and o.)

If "Yes", answer questions a - f. If "No", go to Section 16.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in routine odors for more than one hour per day.	D2o	<input type="checkbox"/>	<input type="checkbox"/>

d. The proposed action may result in light shining onto adjoining properties.	D2n	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

16. Impact on Human Health The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.) If "Yes", answer questions a - m. If "No", go to Section 17.			
		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	<input type="checkbox"/>	<input type="checkbox"/>
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	<input type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	<input type="checkbox"/>	<input type="checkbox"/>
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	<input type="checkbox"/>	<input type="checkbox"/>
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	<input type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	<input type="checkbox"/>	<input type="checkbox"/>
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	<input type="checkbox"/>	<input type="checkbox"/>
m. Other impacts: _____ _____			

17. Consistency with Community Plans

The proposed action is not consistent with adopted land use plans.
(See Part 1. C.1, C.2. and C.3.)

 NO YES

If "Yes", answer questions a - h. If "No", go to Section 18.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, E1b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Other: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

18. Consistency with Community Character

The proposed project is inconsistent with the existing community character.
(See Part 1. C.2, C.3, D.2, E.3)

 NO YES

If "Yes", answer questions a - g. If "No", proceed to Part 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

PRINT FULL FORM

Full Environmental Assessment Form
Part 3 - Evaluation of the Magnitude and Importance of Project Impacts
and
Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

Reasons Supporting This Determination:

To complete this section:

- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

See Attached

Determination of Significance - Type 1 and Unlisted Actions

SEQR Status: Type 1 Unlisted

Identify portions of EAF completed for this Project: Part 1 Part 2 Part 3

Upon review of the information recorded on this EAF, as noted, plus this additional support information Viewshed Analysis , Phase 1 Archaeological Investigation, Landscape Plan, tree inventory, Carbon sequestration analysis, draft site plan

and considering both the magnitude and importance of each identified potential impact, it is the conclusion of the Albany County Legislature _____ as lead agency that:

A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.7(d)).

C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action: Albany County Solar Installation - Radar Site

Name of Lead Agency: Albany County Legislature

Name of Responsible Officer in Lead Agency: Andrew Joyce

Title of Responsible Officer: Chairman

Signature of Responsible Officer in Lead Agency: _____ Date: _____

Signature of Preparer (if different from Responsible Officer) *Laura R. DeMaestano* Date: *5/16/22*

For Further Information:

Contact Person: Lucas Rogers
Address: 112 State St. Room 1200
Telephone Number: 518-447-7040
E-mail: lucas.rogers@albanycountyny.gov

For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:

Chief Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of)
Other involved agencies (if any)
Applicant (if any)
Environmental Notice Bulletin: <http://www.dec.ny.gov/enb/enb.html>

PRINT FULL FORM

Full Environmental Assessment Form
Part 3 – Evaluation of the Magnitude and Importance of Project Impacts and
Determination of Significance

Part 3 provides an analysis of the significance of adverse environmental impacts and support of the determination of significance.

Brief Description of the Action:

Albany County will lease approximately 5 acres of land located at 897 Watervliet Shaker Rd. in the Albany County Town of Colonie to Siemens Industry, Inc. for design and installation of a 1.872mw solar farm. The action area includes the installation of solar panels and associated transmission equipment, a perimeter fence, and maintenance access road.

Reasons Supporting this Determination:

The lead agency has reviewed Part 1 of the Full Environmental Assessment Form, comments from the State Historic Preservation Office (SHPO), a viewshed analysis, Phase 1 Archaeological Investigation, landscape plan, tree inventory, carbon sequestration analysis and draft site plan, and prepared Part 2 of the Full EAF. The following discussion is based on this review.

1. Impact on Land

The project involves clearing and grading of 2.71 acres of trees and 2.23 acres of meadow and brushlands for solar panels and mounts, and associated equipment. The potential for erosion and sedimentation during construction will be addressed in a Stormwater Pollution Prevention Plan that will be implemented during construction. Post-construction grading, drainage, and soil stabilization will prevent soil erosion and uncontrolled surface water drainage. The amount of added impervious surface on the site will be minimal and the site vegetation will be restored using native and pollinator plants. A decommissioning plan will outline steps to remove the system, dispose of or recycle its components, and restore the land to its original state.

On this basis, it appears that the project will not have a significant impact on the environment related to land resources.

7. Impact on Plants and Animals

Review of NYS Department of Environmental Conservation, Natural Heritage Program and U.S. Fish and Wildlife Databases found no known record of endangered or threatened species on the site and no critical habitats at this location. It is likely given the habitat, that there are a variety of birds and mammals on the site.

Northern Long Eared Bat is not listed by NYS DEC as occurring in the geographic area of the project therefore, it is unlikely that the project will harm NLEB.

The U.S. Fish and Wildlife Information Planning and Consultation (IPaC) Resource identified no critical habitats at this location. There were a number of priority bird species identified to have varying probability of presence on or near the site. In order to minimize impact to birds, the range of dates that the identified species is present and nesting will be considered so that the site

clearing activities correspond to the period that will have the least impact on both ground and tree nesting bird species. The planting and management plan for within the solar array will actually restore much-needed habitat for ground nesting bird species. Fencing options will also be considered to allow for continued use of the habitat by small mammals.

Plants – The project plans to remove a mix of early successional scrub growth, which is a mix of native and invasive plants and replace with native pollinator flowers and grasses within the array. The perimeter of the site will be planted with native pollinator trees and shrubs. Mowing of the site will be timed to encourage and protect use by ground nesting birds and small mammals.

Trees – A tree inventory and carbon sequestration analysis was completed by a licensed landscape architect on the original project area of 4.8 acres. The inventory identified the dominant species, average tree size (DBH), and the average canopy height for each vegetation area. Seventy three percent of trees in this study area were under 6” diameter.

The current area of solar panels has been reduced. Two areas of more mature trees are now excluded from the project area. In the current project area, the dominant species is black locust and the majority of trees are less than 6” diameter. An updated report is being finalized to reflect the tree inventory in the updated project area and to calculate the current vegetation function and value in terms of carbon sequestration. If the updated tree inventory finds that more than one-half acre of non-invasive trees of four inches or greater will be removed, saplings will be replaced on a county-owned parcel consistent with resolution 137 of 2022.

Removal of trees greater than 4” and native, non-invasive trees will be avoided to the maximum extent possible. The array will be replanted with a variety of native and pollinator flowers, grasses, and shrubs that will contribute carbon sequestration and stormwater management function to the site.

On this basis, it appears that the project will not have a significant impact on the environment related to plants and animals.

9. Impact on Aesthetic Resources

The project area is relatively small and on a site currently occupied by a visible radar tower and the surrounding land uses are primarily commercial/office. A landscape plan was developed to provide screening and to improve the aesthetics of the project from the road and the limited other areas from which the site is visible.

On this basis, it appears that the project will not have a significant impact on the environment related to aesthetic resources.

10. Impact on Archaeological and Historic Resources

NYS Historic Preservation Office (SHPO) was consulted to assess the impact to archaeological and historic resources.

Because the project is an archaeologically sensitive area, a Phase 1A/B survey was completed by Hartgen Archeological Associates Inc. Following review of this investigation, SHPO

determined that no archaeological sites were identified in the survey and no additional archaeological work is necessary.

Given the location in the Watervliet Shaker Historic District, SHPO requested a site plan and Visual Impact Assessment to analyze the impact Historic/Cultural resources. Based on these documents, it was determined that the undertaking could have substantial visual impacts on the Historic District as it would potentially be visible from the West and South Family Farms (developed), the Shaker Cemetery and the Church Family Property and are incongruous with the Historic District setting. Field visits by County staff both in leaf-off and leaf-on conditions documented that existing elevations and existing vegetation significantly screen the site from the areas of Historic/Cultural concern.

In consultation with SHPO, an historic preservation mitigation plan was developed to offset the potential visual impacts of this project. The measures were incorporated into the project and included in a Letter of Resolution (LOR). These measures include:

- Document the site in its current condition
- Fund the replacement of the roof of the Meeting House on the Church Family site at a cost of up to \$35,000 to be paid by Siemens Industry Inc.
- Use pollinator plants and native grasses in and around the perimeter fence of the solar array.

On this basis, it appears that the project will not have a significant impact on the environment related to archaeological and historic resources.

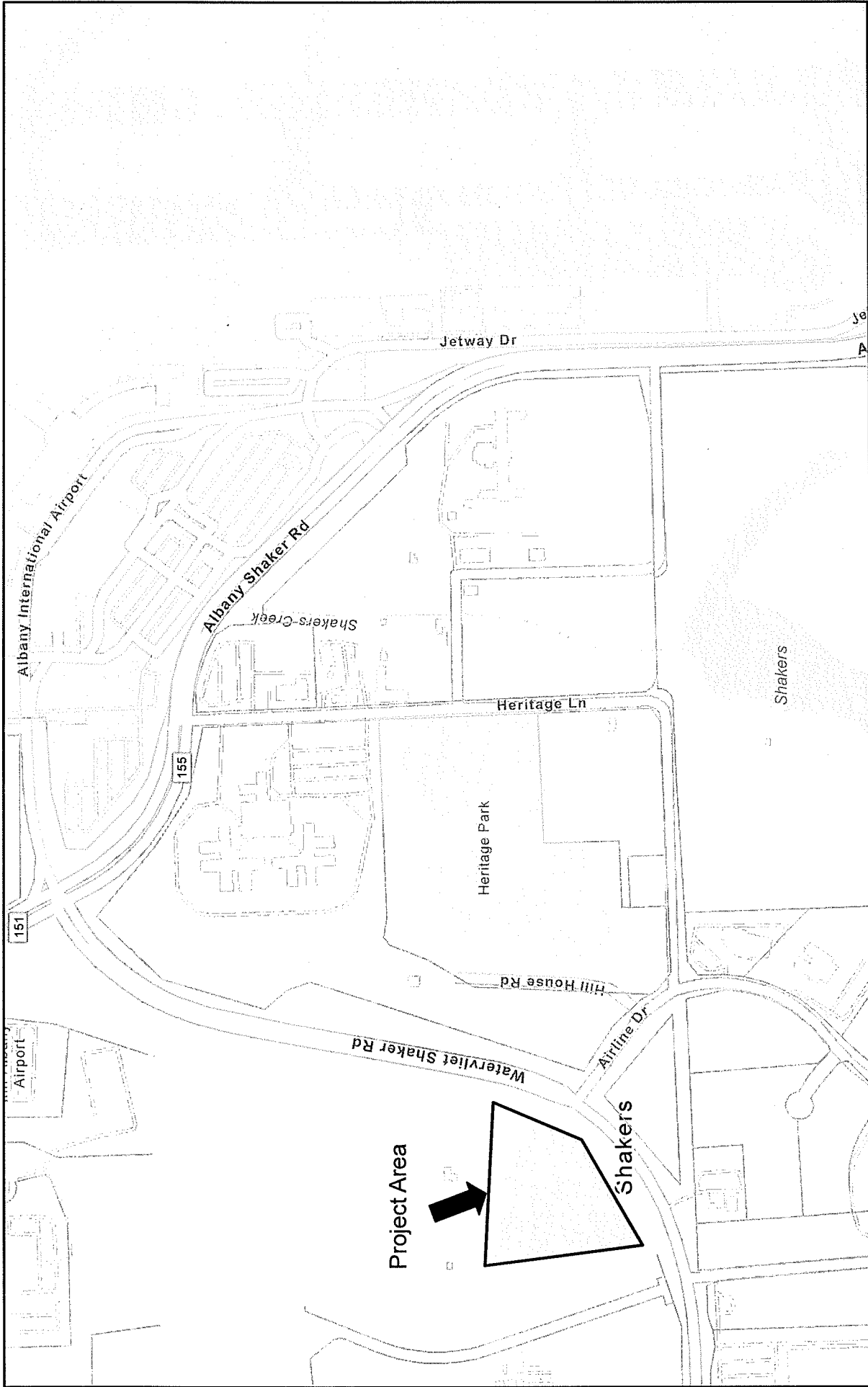
17. Consistency with Community Plans - Solar farms are not currently allowed in Commercial Office Zones in the Town of Colonie; however, the County Executive's Office has consulted with the Town of Colonie and made the Town aware of the proposed project on County property. The project is consistent with the Town's 2019 Comprehensive Plan goal of evaluating renewable energy projects to address climate change.

On this basis, it appears that the project will have no significant impact on community plans.

18. Consistency with Community Character – The land uses immediately adjacent to the project site are offices, open field and forest, and Shaker era structures. There are no other solar installations in the vicinity. A desktop Visual Impact Analysis was completed and site visits were made at different times of year to assess the visual impact. There will be limited impact on the community character as the panels will not be visible from a large area. The majority of visibility will be from a small section of roadway. There is also currently a radar tower and associated building on the site. Native plantings along the perimeter will help screen the array from drivers on Watervliet Shaker Rd. and multi-use path users.

On this basis, it appears that the project will not have a significant impact on the environment related to community character.

Albany County



5/12/2022, 12:50:38 PM

□ Tax Parcels (2021)

1:9,028

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



DANIEL P. MCCOY
COUNTY EXECUTIVE

DANIEL C. LYNCH
DEPUTY COUNTY EXECUTIVE

COUNTY OF ALBANY
ECONOMIC DEVELOPMENT, CONSERVATION AND PLANNING
112 STATE STREET – ROOM 1310
ALBANY, NEW YORK 12207-2021
(518) 447-5670

May 4, 2021

Dear Interested/Involved Party:

The purpose of this letter is to initiate the review process in compliance with State Environmental Quality Review (SEQR) for a project to design and install a 3.21 megawatt solar farm on county-owned property at 897 Watervliet Shaker Rd. in the Town of Colonie.

The County has determined that:

- The proposed action is subject to SEQR
- The action is classified as a Type I action pursuant to 6 NYCRR Part 617.4
- The action will involve multiple agencies for permits and approvals

Enclosed please find Part 1 of the Full Environmental Assessment Form for your review and consideration. At this time, we ask that you confirm your jurisdiction in this action and provide any preliminary feedback on issues of concern that you believe should be evaluated.

It is the intent of the Albany County Legislature to assume Lead Agency status under SEQR pursuant to 6 NYCRR Part 617.6. Please note your concurrence with the Lead Agency request by signing below. We ask that you respond by June 4, 2021 (30 days from the date of this letter) in compliance with the SEQR timeline.

Should you have any questions regarding this letter or the project in general, please contact Lucas Rogers at 447-7040.

I concur with the Lead Agency Request

Agency:
Name :
Title:
Signature:

Involved Agencies

Albany County Department of Public Works
Attn: Lisa Ramundo
449 New Salem Rd.
Voorheesville, NY 12186

Albany County Legislature
112 State St. Room 700
Albany, NY 12207

NYS Department of Environmental Conservation Region 4
1130 North Westcott Road
Schenectady, NY 12306-2014

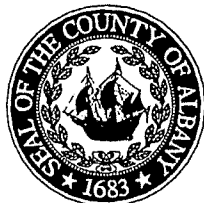
NYS Office of Parks, Recreation and Historic Preservation
Attn: Erik Kulleseid
Peebles Island State Park
P.O. Box 189
Waterford, NY 12188

Interested Agencies

Albany County Airport Authority
Attn: Philp Calderone
Cc: Steve Iachetta
Administration Building, Suite 205
Albany International Airport
Albany, New York 12212-1057

Albany County Planning Board
449 New Scotland Rd.
Voorheesville, NY 12186

Town of Colonie Department of Planning and Economic Development
Attn: Sean Maguire
Public Operations Center
347 Old Niskayuna Road
Latham, NY 12110



DANIEL P. MCCOY
COUNTY EXECUTIVE

DANIEL C. LYNCH
DEPUTY COUNTY EXECUTIVE

COUNTY OF ALBANY
ECONOMIC DEVELOPMENT, CONSERVATION AND PLANNING
112 STATE STREET – ROOM 1310
ALBANY, NEW YORK 12207-2021
(518) 447-5670

May 4, 2021

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Should you have any questions regarding this letter or the project in general, please contact Lucas Rogers at 447-7040.

I concur with the Lead Agency Request

Agency:	ALBANY CO. DPW
Name :	LISA RAMUNDO
Title:	COMMISSIONER
Signature:	<i>L. Ramundo</i>



Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

May 3, 2021

Laura DeGaetano
Albany County Office of Natural Resource Conservation
112 State St. Room 1013
Albany, NY 12207

Re: DEC
Albany County Solar Installation - Radar Site/3.21MW/8 of 33.9 Acres
Town of Colonie, Albany County, NY
21PR01812

Dear Laura DeGaetano:

Thank you for requesting the comments of the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the submitted materials in accordance with the New York State Historic Preservation Act of 1980 (section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the Division for Historic Preservation and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

We note that the proposed 8 acre/ 3.2 MW solar installation is located within the State and National Register listed Watervliet Shaker Historic District. The Shakers likely used the proposed solar site for farming or other agricultural purposes.

We are concerned with potential direct and visual impacts to the Watervliet Shaker Historic District and related historic resources. In addition to the former farm field and the adjacent West Family property, there may be additional Shaker resources impacted by the project. In order for our office to more fully assess potential impacts to historic resources, please provide the following additional documentation:

1. Detailed site plan illustrating locations of solar panels and other equipment, access roads, and any existing or proposed vegetative buffers or other site features.
2. A Visual Impact Assessment (VIA) in the form of a Visual Envelope Map (VEM) using GIS viewshed analysis to indicate the Zone of Theoretical Visibility (ZTV) within a .75 (three quarter) mile buffer around the proposed project area. The analysis should be performed using bare-earth Digital Elevation Models (DEM) but if Digital Surface Models (DSM) including accurate foliage elevation modelling are easily accessible to you, a second separate VEM using the DSM may also be included in the submission. The data should be presented to us over an orthorectified aerial basemap with the buffer boundary and project

Division for Historic Preservation

P.O. Box 189, Waterford, New York 12188-0189 • (518) 237-8643 • parks.ny.gov

area indicated. This will allow us to identify buildings within the .75 mile buffer (which includes the buildings in the West and South family farmsteads) for evaluation."

3. Details illustrating the type, size, operability (fixed or tilting) and height of the solar panels.

For archaeological concerns, please see the archaeological survey request from Jessica Schreyer issued 3/24/21 in response to the initial project submission.

Documentation requested in this letter should be provided via our Cultural Resource Information System (CRIS) at <https://cris.parks.ny.gov/>. Once on the CRIS site, you can log in as a guest and choose "submit" at the very top menu. Go to "Other Options" and choose "submit new information for an existing project". You will need this project number and your e-mail address.

If you have any questions, I can be reached at (518) 268-2164.

Sincerely,



Weston Davey
Historic Site Restoration Coordinator
Weston.davey@parks.ny.gov



COUNTY OF ALBANY
ECONOMIC DEVELOPMENT, CONSERVATION AND PLANNING
112 STATE STREET - ROOM 1310
ALBANY, NEW YORK 12207-2021
(518) 447-5670

May 4, 2021

Dear Interested/Involved Party:

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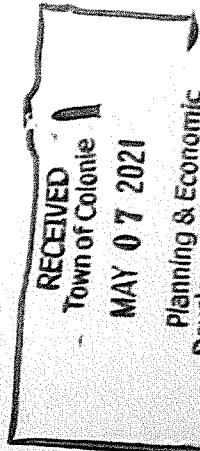
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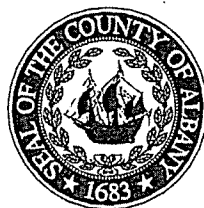
It is the intent of the Albany County Legislature to assume Lead Agency status under SEQR pursuant to 6 NYCRR Part 617.6. Please note your concurrence with the Lead Agency request by signing below. We ask that you respond by June 4, 2021 (30 days from the date of this letter) in compliance with the SEQR timeline.

Should you have any questions regarding this letter or the project in general, please contact Lucas Rogers at 447-7040.

I concur with the Lead Agency Request

Agency:	COLONIE PEDD
Name:	SEAN MAGUIRE
Title:	DIRECTOR
Signature:	

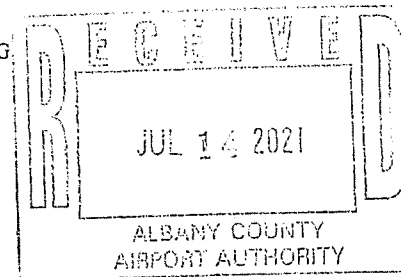




DANIEL P. McCOY
COUNTY EXECUTIVE

DANIEL C. LYNCH
DEPUTY COUNTY EXECUTIVE

COUNTY OF ALBANY
ECONOMIC DEVELOPMENT, CONSERVATION AND PLANNING
112 STATE STREET – ROOM 1310
ALBANY, NEW YORK 12207-2021
(518) 447-5670



May 4, 2021

Dear Interested/Involved Party:

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The County has determined that:

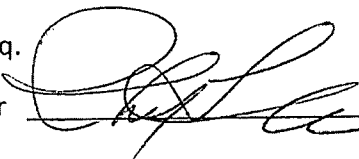
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- The action is classified as a Type I action pursuant to 6 NYCRR Part 617.4
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Should you have any questions regarding this letter or the project in general, please contact Lucas Rogers at 447-7040.

I concur with the Lead Agency Request

Agency:	Albany County Airport Authority
Name :	
Title:	Philip F. Calderone, Esq.
Signature:	 Date: 7/15/21

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits, Region 4
 1130 North Westcott Road, Schenectady, NY 12306-2014
 P: (518) 357-2069 | F: (518) 357-2460
 www.dec.ny.gov

Transmitted electronically to: lucas.rogers@albanycountyny.gov

May 28, 2021

Lucas Rogers
 Albany County Economic Development,
 Conservation and Planning
 112 State St., Rm. 1310
 Albany, NY 12207-2021

Re: Lead Agency Coordination Response
 Albany County Proposed Solar Farm
 897 Watervliet Shaker Rd
 Town of Colonie, Albany County

Dear Lucas Rogers,

This letter responds to your correspondence received by the Department on May 10, 2021 regarding lead agency coordination for the project referenced herein, under Article 8 (State Environmental Quality Review – SEQR) of the Environmental Conservation Law and 6 NYCRR Part 617. The New York State Department of Environmental Conservation (“DEC” or “Department”) has the following interest in this project:

Name of Action: 3.21 MW Solar Farm at 897 Watervliet Shaker Rd
DEC Contact: Person: Trish Gabriel, Environmental Analyst
SEQR Classification: Type I Unlisted Type II

DEC Position: Based on the information provided:

- DEC has no objection to your agency assuming lead agency status for this action.
- DEC wishes to assume lead agency status for this action.
- DEC needs additional information in order to respond (see comments).
- DEC cannot be lead agency because it has no jurisdiction in this action.

****The Department must be notified immediately if the project/proposed action scope changes, or the EAF is revised.***

Possible DEC Permitting Requirements:

A review of NYS protected resources near or within the project site was performed using existing GIS data (see enclosed NYS Resources Map). Please note that jurisdictional maps are meant to provide approximate sizes and locations of resources. Actual field conditions may vary from

those depicted on the maps. The following provides a summary of potential State permitting requirements for the project based on the results of the protected resources review and project information submitted with your correspondence.

Water Quality Certification

It appears that federally-regulated wetlands and/or waterbodies may be located on the subject property. Work within certain wetlands and other waters of the United States may require a permit from the U.S. Army Corps of Engineers (USACE). A Water Quality Certification, pursuant to Section 401 of the Federal Clean Water Act, may be required from the DEC when a USACE permit is issued. The DEC recommends you contact the USACE directly regarding federal wetlands and waters of the U.S. regulatory jurisdictions and permitting requirements. The USACE NY District regulatory program for this area is handled out the USACE Upstate Regulatory Field Office in Watervliet NY. The Regulatory Field Office general phone number is (518) 266-6351 and the general email address is cenan.rfo@usace.army.mil. For more information on Water Quality Certifications, please refer to the following DEC Website link: <https://www.dec.ny.gov/permits/6546.html>.

Stormwater State Pollutant Discharge Eliminations System Permit For Construction Activities

Any project which results in a disturbance of one acre or more of land, must be in compliance with the State Pollutant Discharge Elimination System (SPDES) Phase II regulations for Stormwater Discharges Associated with Construction Activities. Information regarding the SPDES General Permit for Stormwater Discharges can be found on the Department's website at <https://www.dec.ny.gov/chemical/8468.html>.

Cultural Resources

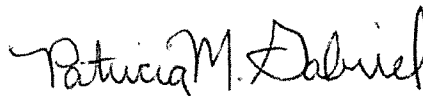
Your project site appears to be located within an area of potential historical or archeological significance. If approvals/permits are ultimately needed from this Department, consultation with the New York State Office of Parks, Recreation and Historic Preservation (OPRHP) will likely be required in order to better evaluate this project's impact on these resources. To initiate consultation with OPRHP, please visit their project submission website at <https://cris.parks.ny.gov/>. Please add Trish Gabriel at trish.gabriel@dec.ny.gov to the list of contacts for your project.

Please note that construction activities that have the potential to affect historic and/or archeological resources are not eligible for coverage under the SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001) unless documentation of satisfactory compliance with Section 106 of the National Historic Preservation Act is received from OPRHP for the project site.

Lucas Rogers
May 28, 2021
Page 3

Please feel free to contact me by e-mail at trish.gabriel@dec.ny.gov or by telephone at (518) 357-2445 if you have any questions.

Sincerely,



Patricia M. Gabriel
Environmental Analyst

Encl: NYS Resources Map

ecc: Laura DeGaetano, Albany County Planning
Sean Maguire, Town of Colonie

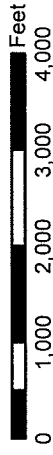


Department of
Environmental
Conservation

NYS RESOURCES MAP

**ALBANY COUNTY
PROPOSED SOLAR FARM
(RADAR SITE)
897 Watervliet Shaker Road
Town of Colonie
Albany County**

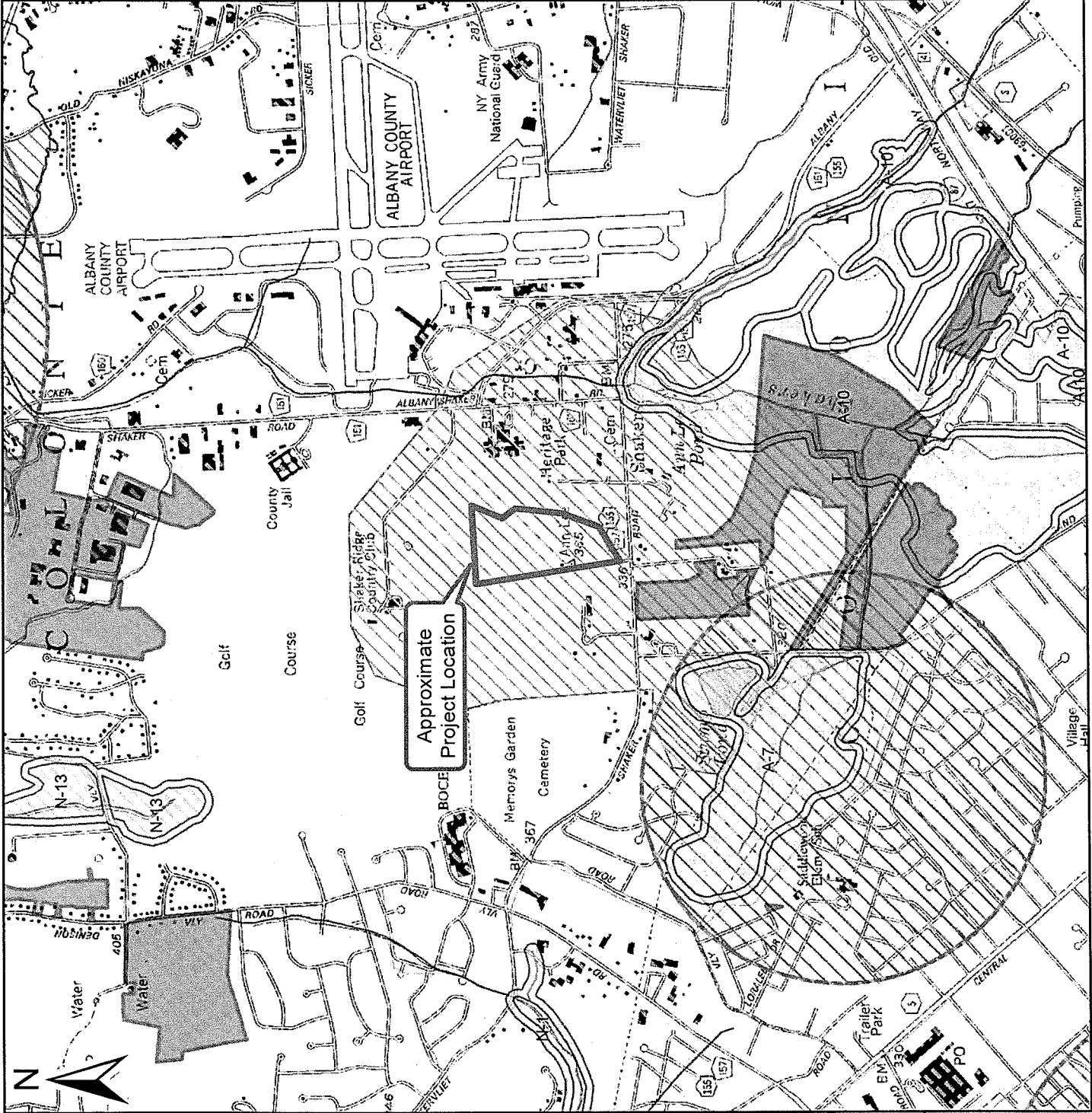
May 19, 2021



1 inch equals 2,000 feet

Legend

- Regulated Adjacent Area Boundary
- Freshwater Wetland Class 1
- Freshwater Wetland Class 2
- Freshwater Wetland Class 3
- Freshwater Wetland Class 4
- Freshwater Wetland Separation Line
- Freshwater Wetland (linear)
- Deed Restrictions
- Unprotected Streams
- Protected Streams
- Archeological Sensitivity
- National/State Historic Register Site
- Threatened or Endangered Mussels
- S1 or S2 Freshwater Mussels
- Not an EJ area
- Potential EJ area
- All E&T species, except fish
- E&T Freshwater Mussels
- E&T Fish
- Critical Environmental Areas



Disclaimer: This map was prepared by Region 4 NYSDEC Division of Environmental Permits using the most current data available. It is deemed accurate but is not guaranteed. NYSDEC is not responsible for any inaccuracies in the data and does not necessarily endorse any interpretations or products derived from the data. This map may contain information that is considered sensitive and therefore the distribution of this map is strictly prohibited. Additional resources may be present but not depicted on this map.

**Department of
Environmental
Conservation**





Parks, Recreation and Historic Preservation

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

ARCHAEOLOGY COMMENTS

Phase IA/IB Archaeological Survey Recommendation for Solar Facilities

Project: Albany County Solar Installation - Radar Site

PR#: 21PR01812

Date: 3/24/2021

Your project is in an archaeologically sensitive area. Therefore, the State Historic Preservation Office/New York State Office of Parks, Recreation and Historic Preservation (SHPO/OPRHP) recommends that a Phase IA/B archaeological survey is warranted and offers the following survey guidance. A Phase IA/IB survey is designed to determine the presence or absence of archaeological sites or other cultural resources in the project's Area of Potential Effects (APE).

Phase IB archaeological testing is not recommended for panel arrays; perimeter fencing and utility poles, if their associated posts are driven or drilled into the ground and no grubbing or grading is involved, and for excavations and grading less than six inches in depth. Phase IB testing is also not recommended for trenches less than three feet wide. However, if the installation of the panel array supports, fencing or utility poles requires grubbing and grading exceeding six inches in depth, then Phase IB archaeological testing is recommended.

Phase IB archaeological testing is recommended for areas of substantial proposed ground disturbance, which includes areas of grading and excavation more than six inches deep, grubbing, tree and stump removal, and trenches more than three feet wide.

If you consider the project area to be disturbed, documentation of the disturbance will need to be reviewed by SHPO/OPRHP. Examples of disturbance include mining activities and multiple episodes of building construction and demolition. Documentation of ground disturbance typically consists of soil bore logs, photos, or previous project plans.

Our office does not conduct archaeological surveys. A 36 CFR 61 qualified archaeologist should be retained to conduct the Phase IA/IB survey.

If you have any questions concerning archaeology, please contact Jessica Schreyer at Jessica.Schreyer@parks.ny.gov.



**Parks, Recreation,
and Historic Preservation**

KATHY HOCHUL
Governor

ERIK KULLESEID
Commissioner

October 05, 2021

Laura DeGaetano
Albany County Office of Natural Resource Conservation
112 State St. Room 1013
Albany, NY 12207

Re: DEC
Albany County Solar Installation - Radar Site/3.21MW/8 of 33.9 Acres
Town of Colonie, Albany County, NY
21PR01812

Dear Laura DeGaetano:

Thank you for requesting the comments of the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the submitted materials in accordance with the New York State Historic Preservation Act of 1980 (section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the Division for Historic Preservation and relate only to Historic/Cultural resources.

The Archaeology Unit has reviewed the Phase I Archaeological Survey report submitted for this project entitled "Phase I Archeological Investigation, Albany Radar Tower Site Solar, Watervliet Shaker Road and Airline Drive, Town of Colonie, Albany County, New York" prepared by Hartgen Archeological Associates, Inc (21SR00616; September 2021). No archaeological sites were identified by the survey and the OPRHP concurs with the report recommendation that no additional archaeological work is necessary.

Please note that these comments pertain only to archaeological resources. Please continue to consult with Weston Davey in the Technical Preservation Services Unit at Weston.Davey@parks.ny.gov. If you have any questions concerning archaeology, I can be reached at Jessica.Schreyer@parks.ny.gov

Sincerely,

Jessica Schreyer
Scientist Archaeology



HARTGEN

archeological associates inc

PHASE I ARCHEOLOGICAL INVESTIGATION Albany Radar Tower Site Solar

Watervliet Shaker Road and Airline Drive
Town of Colonie
Albany County, New York

HAA 5715-31
SHPO Not Yet Assigned

Submitted to:

LaBella Associates
4 British American Blvd.
Latham NY 12110

Prepared by:

Hartgen Archeological Associates, Inc.

1744 Washington Avenue Ext.
Rensselaer, New York 12144
p +1 518 283 0534
f +1 518 283 6276
e hartgen@hartgen.com

www.hartgen.com

An ACRA Member Firm
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September 2021

Albany Radar Tower Site Solar, Town of Colonie, Albany County, New York
Phase I Archeological Investigation

MANAGEMENT SUMMARY

SHPO Number: *Not Yet Assigned*
Involved Agencies: *NYSDEC*
Phase of survey: *Phase I archeological investigation*

LOCATION INFORMATION

Municipality: *Town of Colonie*
County: *Albany County*

ARCHEOLOGICAL SURVEY OVERVIEW

Survey Area: *11.4 acres*
Shovel Tests: *75 tests at 15-meter intervals*

RESULTS OF ARCHEOLOGICAL SURVEY

Precontact sites identified: *None*
Historic sites identified: *None*

RECOMMENDATIONS

Given the paucity of archeological materials encountered and the lack of any sites identified, no additional investigation is recommended for this project.

Report Authors: *Bradley W. Russell, Ph.D.*
Date of Report: *September 2021*

TABLE of CONTENTS

PHASE I ARCHEOLOGICAL INVESTIGATION.....	1
1 Introduction.....	1
2 Project Information.....	1
2.1 Project Location.....	1
2.2 Description of the Project.....	1
2.3 Description of the Area of Potential Effects (APE).....	1
3 Environmental Background.....	1
3.1 Soils.....	1
3.2 Bedrock Geology.....	3
3.3 Topography and Hydrography.....	3
4 Documentary Research.....	3
4.1 Archeological Sites.....	3
4.2 Historic Properties.....	5
4.3 Previous Surveys.....	5
5 Historical Map Review.....	6
6 Present Land Use and Current Conditions.....	7
7 Archeological Sensitivity Assessment.....	7
8 Archeological Potential.....	7
9 Survey Methodology.....	8
9.1 Shovel Testing.....	8
9.2 Artifacts and Laboratory.....	8
10 Survey Results.....	8
11 Recommendations.....	8
12 Bibliography.....	9

Maps

Photographs

Appendix 1: Shovel Test Records

Appendix 2: Artifact Inventory

Table List

Table 1. Soils in the APE.....	2
Table 2. Archeological sites within one mile (1.6 km) of the APE.....	3
Table 3. Inventoried properties within the APE.....	5
Table 4. Relevant previous surveys within or adjacent to the APE.....	5
Table 5. Factors influencing precontact and historic archeological sensitivity of the APE.....	7
Table 6. Factors influencing archeological potential within the APE.....	7

Map List

- Map 1. Project Location
- Map 2. Project Map
- Map 3. Soil Map
- Map 4. Historical Maps 1854-1994

Photograph List

- Photo 1. View facing east along roadway showing wooded area to the south (right) and more open area to the north (left) with the radar tower in the background.
- Photo 2. View facing to the west along the roadway showing second fenced complex. The road turns to the south (left) just past the fence.
- Photo 3. View facing south showing conditions in the wooded southern portion of the APE.
- Photo 4. View facing southeast showing conditions in the wooded southern portion of the APE.
- Photo 5. View facing southwest showing conditions in more open northern portion of the APE. Hartgen archeologists are excavating TP's 74 and 75.
- Photo 6. Archeologist Megan Eigen excavating STP 43. View to the west.
- Photo 7.

PHASE I ARCHEOLOGICAL INVESTIGATION

1 Introduction

Hartgen Archeological Associates, Inc. (Hartgen) conducted a Phase I Archeological Investigation for the proposed Albany Radar Tower Site Solar (Project) located in the Town of Colonie, Albany County, New York. The Project requires approvals by New York State Department of Environmental Conservation (NYSDEC).

This investigation was conducted to comply with Section 14.09 of the State Historic Preservation Act and will be reviewed by the New York State Office of Parks, Recreation and Historic Preservation (OPRHP). The investigation was conducted according to the New York Archaeological Council's *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections* (1994), which are endorsed by OPRHP. This report has been prepared according to OPRHP's *State Historic Preservation Office (SHPO) Phase I Archeological Report Format Requirements* (2005).

2 Project Information

2.1 Project Location

The Project is located along the north side of Watervliet Shaker Road directly across from its intersection with Airline Drive (Map 1).

2.2 Description of the Project

The project entails the installation of ground mounted solar arrays. It will involve tree removal across most of the APE.

2.3 Description of the Area of Potential Effects (APE)

The area of potential effects (APE) includes all portions of the property that will be directly altered by the proposed undertaking. The APE encompasses 11.4 acres (Map 2).

3 Environmental Background

The environment of an area is significant for determining the sensitivity of the APE for archeological resources. Precontact and historic groups often favored level, well-drained areas near wetlands and waterways. Therefore, topography, proximity to wetlands, and soils are examined to determine if there are landforms in the APE that are more likely to contain archeological resources. In addition, bedrock formations may contain chert or other resources that may have been quarried by precontact groups. Soil conditions can provide a clue to past climatic conditions, as well as changes in local hydrography.

3.1 Soils

Soil surveys provide a general characterization of the types and depth of soils that are found in an area. This information is an important factor in determining the appropriate methodology if and when a field study is recommended. The source of this data is the Soil Survey Geographic (SSURGO) Database, maintained by the Natural Resources Conservation Service, United States Department of Agriculture (2018). The soil types present within the APE are shown on Map 3. Our field observations confirmed the general accuracy of the soils database. For the most part we encountered well drained, fairly level soils that would be suitable for habitation.

Albany Radar Tower Site Solar, Town of Colonie, Albany County, New York
Phase I Archeological Investigation

Table 1. Soils in the APE

Symbol	Name	Depth	Textures	Slope	Drainage	Landform
BuB	Burdett silt loam (BuB)	0-51 cm (0-20 in)	Si lo	3-8%	Somewhat poorly drained	drumlinoid ridges, hills, till plains
		51-84 cm (20-33 in)	Channery Si lo, Si lo, very fine Sa lo			
		84-277 cm (33-109 in)	Channery Cl lo, channery Lo, Gra si cl lo			
		277-439 cm (109-173 in)	Cl lo, Channery Lo, channery Si lo, Gra si cl lo			
ChB	Chenango gravelly silt loam, loamy substratum (ChB)	0-71 cm (0-28 in)	Gra si lo	3-8%	Well drained	terraces, valley trains
ChB CoC	Chenango gravelly silt loam, loamy substratum (ChB) Colonie loamy fine sand, rolling (CoC)	71-368 cm (28-145 in)	Very channery fine Sa lo, Gra si lo, very Gra lo	3-8% 8-15%	Well drained Somewhat excessively drained	terraces, valley trains beach ridges, deltas
		368-478 cm (145-188 in)	Very channery Lo, very channery Si lo, very gravelly Si lo, extremely Gra sa lo			
		0-46 cm (0-18 in)	Lo fine sa			
CoC	Colonie loamy fine sand, rolling (CoC)	46-439 cm (18-173 in)	Fine Sa, Lo fine sa	8-15%	Somewhat excessively drained	beach ridges, deltas
		439-478 cm (173-188 in)	Fine Sa, Lo fine sa			
NuB	Nunda silt loam (NuB)	0-64 cm (0-25 in)	Si lo	3-8%	Moderately well drained	drumlinoid ridges, hills, till plains
		64-130 cm (25-51 in)	Channery very fine Sa lo, Gra lo, Si lo			
		130-180 cm (51-71 in)	Gra cl lo, Si cl lo, Si lo			
		180-284 cm (71-112 in)	Cl lo, Gra si cl lo, Si cl lo			
		284-414 cm (112-163 in)	Cl lo, Gra si cl lo, Si cl lo			
RkA	Riverhead fine sandy loam (RkA)	0-71 cm (0-28 in)	Fine Sa lo	0-3%	Well drained	deltas, terraces
		71-163 cm (28-64 in)	Fine Sa lo, Gra sa lo, Sa lo			
		163-201 cm (64-79 in)	Fine Sa lo, Gra lo sa, Lo fine sa, Lo sa			
		201-419 cm (79-165 in)	Gra fine sa, stratified Gra to sa			
RkB	Riverhead fine sandy loam (RkB)	0-71 cm (0-28 in)	Fine Sa lo	3-8%	Well drained	deltas, terraces
		71-163 cm (28-64 in)	Fine Sa lo, Gra sa lo, Sa lo			
		163-201 cm (64-79 in)	Fine Sa lo, Gra lo sa, Lo fine sa, Lo sa			
		201-419 cm (79-165 in)	Gra fine sa, stratified Gra to sa			

3.2 Bedrock Geology

According to the Geologic Map of New York, the bedrock within the APE is Normanskill Shale (On) (Fisher, et al. 1970). The formation consists of minor mudstone and sandstone laid down in the Middle Ordovician. It is not chert bearing. There are no known bedrock outcrops within the APE.

3.3 Topography and Hydrography

The relatively level APE sits atop a low ridge with good drainage. A reasonably large, unnamed pond runs north/south along the west side of the ridge, just 30 meters away from the APE. Several other water sources are located in the vicinity of the APE. These include Stump Pond located ~600 meters to the southwest and Shaker's Creek/Ann Lee Pond located 575 meters to the southeast. The creek flows north where it enters the Mohawk River, itself located 3.4 kilometers north of the APE. This could have provided a convenient travel route west up the river and east to the Hudson along with various aquatic resources.

4 Documentary Research

Hartgen conducted research using the New York State Cultural Resource Information System (CRIS), which is maintained by the New York SHPO and the Division for Historic Preservation DHP within OPRHP. CRIS contains a comprehensive inventory of archeological sites, State and National Register (NR) properties, properties determined eligible for the NR (NRE), and previous cultural resource surveys.

4.1 Archeological Sites

An examination of CRIS identified 21 reported archeological sites within one mile radius of the APE (Table 2). Previously reported archeological sites provide an overview of both the types of sites that may be present in the APE and relation of sites throughout the surrounding region. The presence of few reported sites, however, may result from a lack of previous systematic survey and does not necessarily indicate a decreased archeological sensitivity within the APE. Prehistoric sites in the area ranged in complexity from simple isolated finds to camps with numerous artifacts, fire cracked rock and possible features. Several of the historic sites in the area are linked to the Shaker occupations surrounding the current APE. These will be discussed in more detail below.

Table 2. Archeological sites within one mile (1.6 km) of the APE

Site No.	Site Identifier	Description	Status	Proximity to the APE
00104.000351/ NYSM 5624	Unnamed Site	Precontact site	Undetermined	1600 feet southeast of APE.
00104.000392	Albany County Airport Site	Precontact site; stray find, surface evidence; found Adena Points and Normanskill Points	Not eligible	100 feet southeast of APE.
00104.000395	Shaker Run #1 Plowed Field C	Precontact site; surface evidence, material in plow zone; found 5 flakes.	Eligible	3200 feet southwest of APE.
00104.000396	Shaker Run #2 Plowed Field A	Precontact site; surface evidence, material in plow zone; found 6 flakes.	Eligible	2800 feet southwest of APE.
00104.000397	Shaker Run #3 Subsurface Tests	Historic Site; buried evidence; shovel testing - 7 units; found 1 core, 5 flakes, 6 calcined bone fragments, 1 pitted stone.	Undetermined	3700 feet south of APE.
00104.000398	Shaker Run #4 Subsurface Tests	Precontact Site; buried evidence; shovel testing -5 units; found 1 quartzite biface, 7 flakes, 1 scraper.	Eligible	4100 feet south of APE.
00104.000403	Airline 2 Precontact Site	Precontact site; material in plow zone; 12 shovel tests and 2 units; found chert scraper, chert core, chert flake.	Not Eligible	2900 feet south-southwest of APE.

Albany Radar Tower Site Solar, Town of Colonie, Albany County, New York
Phase I Archeological Investigation

Site No.	Site Identifier	Description	Status	Proximity to the APE
00104.000404	800 Albany Shaker Road Site 1	Precontact site; camp, buried evidence, evidence of features, material in plow zone; found 55 pieces of cracked rock and one possible feature.	Undetermined	1200 feet north-northeast of APE.
00104.000405	800 Albany Shaker Road Site 2	Precontact site; camp, buried evidence, evidence of features (possible), material in plow zone; found 5 chert flakes and 23 pieces of cracked rock.	Undetermined	900 feet north of APE.
00104.000456	Watervilet Shaker Church Family Seed House Site	Historic site; site was part of a Phase III survey; no visible evidence.	Not Eligible	2300 feet east of APE.
00104.000492	Areas E & G Historic Features (Shaker Drainage Ditches)	Historic site; remains of a network of shallow drainage canals, superstructures is partially collapsed.	Undetermined	1300 feet northeast of APE.
00104.000493	Area I Historic Site	Historic site with Human Remains; probable Pauper's Cemetery location.	Undetermined	1800 feet northeast of APE.
00104.000494	Area L Prehistoric Site	Precontact site; buried evidence; found 6 lithic artifacts.	Undetermined	4000 feet north-northeast of APE.
00104.000495	Area E Prehistoric Site	Precontact site; buried evidence; found 6 chert flakes.	Undetermined	400 feet southeast of APE.
00104.000497	Area G Prehistoric Site, Find Spot	Precontact site; buried evidence; found 1 chert flake.	Undetermined	500 feet east-northeast of APE.
00104.000499	Southern Terminal Parking Area Prehistoric Scatter	Precontact site; stray find, material below plow zone.	Undetermined	4900 feet east-southeast of APE.
00104.000531	Watervilet Church Family First Dwelling House Site	Historic site; 21 shovel tests, three-course brick wall and a parged, poured concrete floor, ouse was built between 1783 and 1790, but has later additions; both machine-made and hand-molded bricks were encountered, as well as wire and hand-wrought iron nails; evidence of continuous maintenance on the building; very little domestic artifacts encounters or collected; house demolished in 1927.	Undetermined	1900 feet east of APE.
00104.000542	798-800 Albany Shaker Road Site 3	Precontact site; material in and below plow zone, single component; only lithic artifacts, no features or other finds.	Eligible	1300 feet north of APE.
00104.000547	Watervilet Shaker Church Family Garden Barn Site	Historic site; part of a Phase II survey.	Eligible	2400 feet east of APE.
00104.000716	Watervilet Shaker West Family Farm	Historic site; 265 entries of artifacts catalogued, including a multitude of glass, ceramics, and more; date site constructed 1810 +.	Eligible	1400 feet west of APE.
00104.000808	Airline Drive 1 Precontact Site	Precontact site; stray find, material in plow zone; found chert flake, not diagnostic.	Not Eligible	2400 feet southwest of APE.

Albany Radar Tower Site Solar, Town of Colonie, Albany County, New York
Phase I Archeological Investigation

Site No.	Site Identifier	Description	Status	Proximity to the APE
NYSM # 7073	No info	High spot in wetland; 1 deb in test pit at c. 30cm, Other test pits at c. 10-15ft distance; isolated find (1 deb).	No info	3300 feet southwest of APE.
NYSM # 7074	No info	High spot at wetland; 1 deb.; test pits at c. 30 cm. other tests pits at c. 10-15ft distances; isolated find (1 deb).	No info	3400 feet southwest of APE.
NYSM # 7075	No info	No info available.	Eligible	3700 feet south of APE.
NYSM #7076	No info	No info available	Eligible	3900 feet south of APE.

4.2 Historic Properties

An examination of CRIS identified one National Register Listed (NRL) Historic District, zero inventoried properties within the APE, including zero properties listed on the NR, and zero NRE properties (Table 3).

Table 3. Inventoried properties within the APE

USN	Property Name	Status	Description	Proximity to APE
00104.000638	Watervliet Shaker Historic District	National Register Listed (NRL)	National Register Listed Historic District within the town of Colonie.	APE is within the Historic District.

4.3 Previous Surveys

A review of CRIS identified three previous surveys within the immediate vicinity of the Project (Table 4). The main information of interest provided by these studies again relates to the Shaker Village community that once surrounded the current APE. The Ravage 2021 report provides a detailed history of the community and the landscape from 1775 to the present. Four distinct but closely linked enclaves of settlement once surrounded the current Project. Despite this, neither the 1998 Collamer & Associates study nor the 2020 study immediately to the west of the current APE produced significant remains from that occupation suggesting that their remains were closely clustered around the structures in the four smaller settlements.

Table 4. Relevant previous surveys within or adjacent to the APE

Project/Phase	Summary	Citation
A Cultural Resources Survey, Airline Drive, Town of Colonie, Albany County, New York/ Phase IA/IB	The site identified as Airline 2 consists of 2 grey Onondaga chert flakes, one core and one scraper. These are located within an area of approximately 25 feet. No stains, features, nor other indications of prehistoric occupation were identified. No diagnostic artifacts were found. These finds were surprising because this area is especially wet and poorly drained, A drainage ditch is seen 200 feet north and another drainage ditch is 400 feet south of these finds. Airline 1 appears to be a stray find. No evidence of Shaker buildings or midden were found and no additional investigation was recommended.	(Collamer & Associates Inc. 1988)

Project/Phase	Summary	Citation
Phase I Archeological Reconnaissance Survey Shaker Farms Development Project/ Phase IA/IB	The limited historic-era assemblage recovered from shovel tests throughout the APE represents random, scattered field refuse of unknown provenience. Radial testing was conducted around all finds deemed potentially significant, but further analysis of materials did not produce any artifacts capable of linking the material with the historic Shaker settlement. Two fragments of whiteware (1850–present) represent the only artifacts with an open date range. It is probable that the historic material found throughout the APE is associated with the later occupation of West Shaker Farm. No further archeological investigation was recommended.	(WSP USA Inc. 2020)
Review of Watervliet Shaker Site NRHD, listed 1973/ Building Survey	This survey sponsored by Shaker Heritage Society originated with the recommendation by the State Historic Preservation Office to review and update the NRHD nomination of the Watervliet Shaker Historic District located in the Town of Colonie, Albany County, New York. It contains a detailed history of the Shaker community which began in 1775 and lasted until 1938 along with information on how the remaining structures and landscape have changed since the end of the settlement.	(Ravage 2021)

5 Historical Map Review

Maps depicting the APE between 1779 and the present were examined. Selected maps are reproduced in Map 4. Again, the most significant information that we gather from these maps concerns the Shaker Village communities surrounding the Current APE. The earliest maps of the area (DeWitt 1802; Sauthier 1779) do not specifically reference the community despite its having been established within what was then Watervliet in 1775. However, by the 19th century, the community was significant enough to begin appearing on maps, first simply as a marked location (Burr 1829, 1840). However more detailed maps started being published in the middle of the century that give us a great deal of detail about the community (Beers and Beers 1866; Gould 1854; Sidney 1851). These maps depict four distinct communities (called “families”) clustered around today’s Watervliet Shaker Road, The Church Family, The Second Family, The North Family, and the South Family. These maps, especially Gould’s, identify a mix of structures within these four enclaves, including residences, a church (within the Church Family that all four communities shared), shops and numerous industrial operations (mills, carpentry shops, textile operations, etc.). The current APE sits roughly in the center of these four settlement clusters. No maps show any structures within the APE.

Later topographic maps continue to show the four clusters through the end of the 19th and the early years of the 20th centuries (United States Geological Survey (USGS) 1893, 1895, 1898, 1927). The community was shrinking by this time and a large fire destroyed much of the North Family compound in the late 1920’s, leading to an end of the four settlement clusters in 1938. Shortly thereafter, the land was parceled out and development of some began. Most obvious was the construction of what is today’s Albany International Airport immediately to the northeast of what was once the Church Family (United States Geological Survey (USGS) 1947). The Airport continued to expand and various roads were rerouted in the coming decades. Watervliet Road was recently rerouted curving around the current APE toward the north and Airline Drive was constructed, creating an intersection along the southeast side of the current Project Area.

No map-documented structures exist within the APE boundaries.

6 Present Land Use and Current Conditions

A site visit was conducted by Bradley Russell on August 13, 2021 to observe and photograph existing conditions within the APE. The property is bounded along its west side by a small access road providing access to the radar tower complex consisting of two fenced in areas containing various equipment and structures (Photo 1 and Photo 2). This road runs north from Watervliet Shaker Road, turning 90 degrees to the east roughly 2/3rds of the way along the APE, cutting across it. To the south of this division the APE is largely wooded with a dense understory (Photo 3 and Photo 4) that made movement difficult. North of the roadway, an “L” shaped portion of the Project ran across more open field with some bushes and low vegetation (Photo 5) which wrapped around the northwest corner of the radar tower and associated structures. A portion of the south end of the APE was an open grass field.

7 Archeological Sensitivity Assessment

The New York Archaeological Council provides the following description of archeological sensitivity:

Archaeologically sensitive areas contain one or more variables that make them likely locations for evidence of past human activities. Sensitive areas can include places near known prehistoric sites that share the same valley or that occupy a similar landform (e.g., terrace above a river), areas where historic maps or photographs show that a building once stood but is now gone as well as the areas within the former yards around such structures, an environmental setting similar to settings that tend to contain cultural resources, and locations where Native Americans and published sources note sacred places, such as cemeteries or spots of spiritual importance (NYAC 1994:9).

Table 5. Factors influencing precontact and historic archeological sensitivity of the APE

Precontact	Historic
Water sources: wetlands, ponds, streams, lakes, bays and ocean	<input checked="" type="checkbox"/> Water sources: wetlands, ponds, streams, lakes, bays and ocean <input checked="" type="checkbox"/>
Nearby chert sources	<input type="checkbox"/> Nearby natural resources (iron, limestone, building stone, etc.) <input type="checkbox"/>
Well-drained soils for habitation	<input checked="" type="checkbox"/> Well-drained soils for habitation <input checked="" type="checkbox"/>
Favorable landforms (level, good solar exposure, leeward facing)	<input checked="" type="checkbox"/> Proximity to transportation systems (road, canals, rivers, railroads, etc.) <input checked="" type="checkbox"/>
Known archeological sites in the vicinity	<input checked="" type="checkbox"/> Known archeological sites in the vicinity <input checked="" type="checkbox"/>
Other documentary sources	<input type="checkbox"/> Map-documented structures <input checked="" type="checkbox"/>
	<input type="checkbox"/> Other documentary evidence <input type="checkbox"/>
Overall assessment: High sensitivity	Overall assessment: High sensitivity

8 Archeological Potential

Archeological potential is the likelihood of locating intact archeological remains within an area. The consideration of archeological potential takes into account subsequent uses of an area and the impact those uses would likely have on archeological remains.

Table 6. Factors influencing archeological potential within the APE

Precontact	Historic
Undisturbed soils	<input checked="" type="checkbox"/> Lack of modern development <input checked="" type="checkbox"/>
No erosion or cutting of sediments	<input checked="" type="checkbox"/> Limited historical re-use of landscape <input checked="" type="checkbox"/>
Alluvial deposits (cap and preserve deposits)	<input type="checkbox"/> Alluvial deposits (cap and preserve deposits) <input type="checkbox"/>

Precontact	Historic
Abundance of nearby stone tool ores	<input type="checkbox"/> Historic fill (cap and preserve deposits) <input type="checkbox"/>
Relatively deep soils (features)	<input checked="" type="checkbox"/> Relatively deep soils (features) <input checked="" type="checkbox"/>
Overall assessment: Moderate potential	Overall assessment: High potential

9 Survey Methodology

Given the archeological sensitivity, especially for historic remains associated with the Shaker Village, it was determined that a shovel test survey would be the optimal method for characterizing any archeological deposits present.

9.1 Shovel Testing

Shovel tests were excavated at a standard interval of 15 meters. Each shovel test was 40 centimeters in diameter. All excavated soil was passed through 0.25-inch hardware mesh and examined for both precontact (Native American) and historic artifacts. The stratigraphy of each test was recorded including the depth, Munsell color, soil description, and artifact content (Munsell Color 2000). The location of each shovel test was plotted on the project map.

9.2 Artifacts and Laboratory

As general procedure, all precontact (Native American) cultural material identified during the fieldwork are collected. Significant historic artifacts such as glass, ceramics, food remains, hardware, and miscellaneous items are collected. Coal, ash, cinder, brick, and modern materials are noted. Any artifacts collected are placed in paper or plastic bags labeled by provenience and inventoried in a bag list. Bags are numbered in the field and transported to the Hartgen laboratory in the Town of North Greenbush, Rensselaer County, New York, for processing.

Shovel test records and other provenience information were entered into a Microsoft *Access* database (Appendix 1). Artifacts were cleaned and cataloged. Cataloging entailed entering artifact provenience information, counts, weights, and descriptive information into the database (Appendix 2).

10 Survey Results

The Phase IB archeological field reconnaissance was conducted on August 13 and August 16, 2021. The field crew consisted of Alexandra DeCarlo, Megan Eigan, Madeline Illenberg, Cynthia Jackson, Eiryn Sheades, Loretta Tucker and Amy Wilson under direction of Bradley Russell, PhD, the project's Principal Investigator. The weather was favorable for fieldwork. We excavated a total of 85 shovel tests to an average depth of 48 centimeters. The soils were largely natural with a small amount of disturbance documented toward the south end of the APE.

Only one artifact was encountered during the survey, a single piece of whiteware recovered from STP 15. No structures or other evidence of the nearby Shaker settlements were encountered, suggesting that the remains from the four enclaves must be fairly tightly restricted to the occupied areas.

11 Recommendations

Given the paucity of archeological materials encountered and the lack of any sites identified, no additional investigation is recommended for this project.

Albany Radar Tower Site Solar, Town of Colonie, Albany County, New York
Phase I Archeological Investigation

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Albany Radar Tower Site Solar, Town of Colonic, Albany County, New York
Phase I Archeological Investigation

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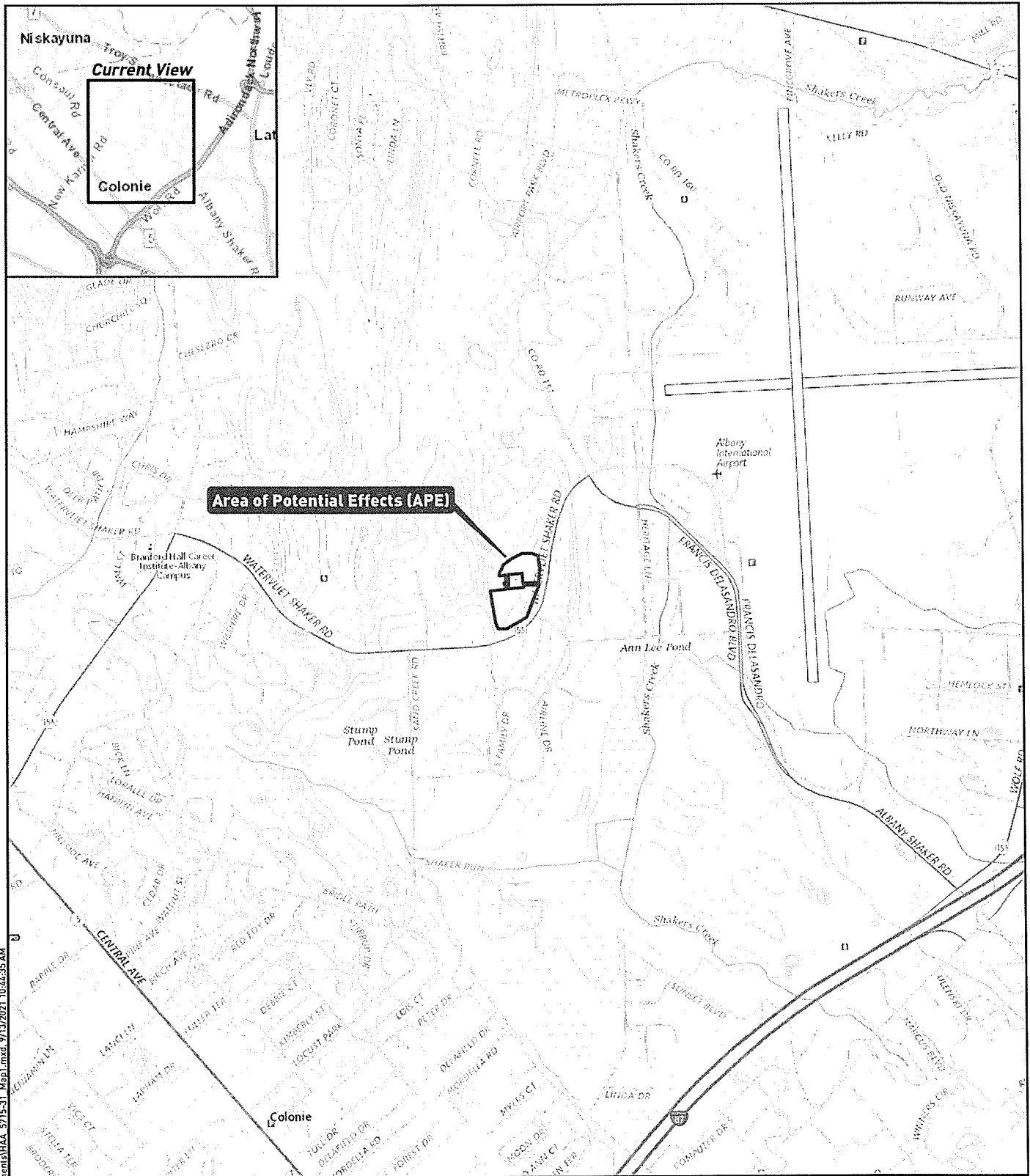
WSP USA Inc.

- 2020 *Phase I Archaeological Reconnaissance Survey Shaker Farms Development Project.*

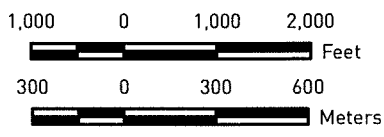
Albany Radar Tower Site Solar, Town of Colonic, Albany County, New York
Phase I Archeological Investigation

Maps

Albany County Solar Installation - Radar Site, Town of Colonie, Albany County, New York
Phase I Archeological Investigation



C:\HAA\projects\57151915\Documents\HAA_5715-31_Map1.mxd, 9/13/2021 10:44:35 AM



Note: Contour interval is 10 feet.

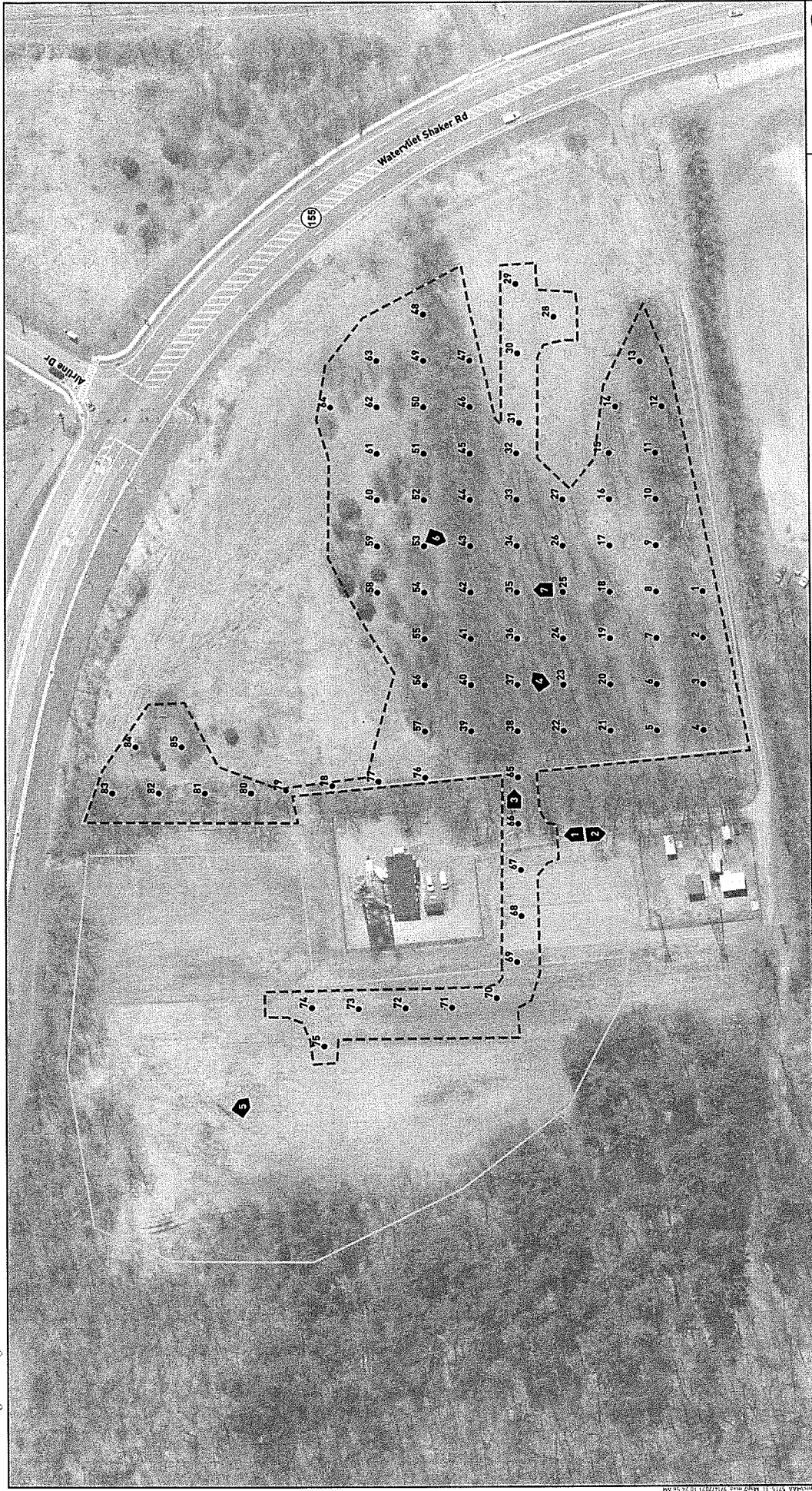
Project Location

GIS Services Accessed 9/13/2021:
Environmental Systems Research
Institute, Inc., World Street Map;
USGS The National Map



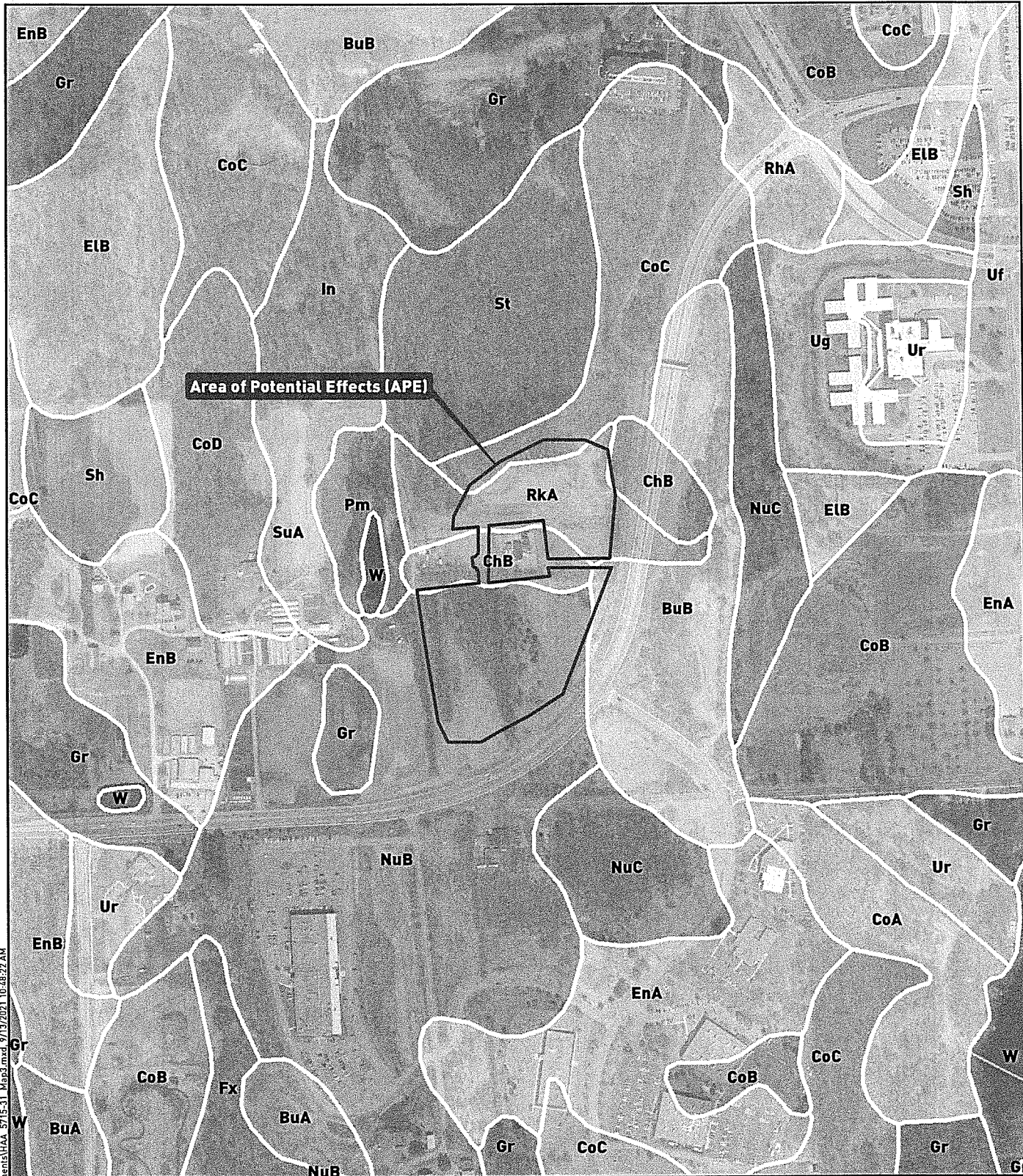
HARTGEN
archeological associates inc

Map 1

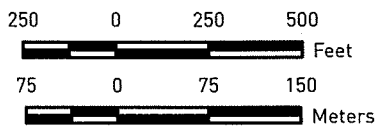


	<p>50 0 50 100 Feet</p> <p>15 0 15 30 Meters</p>	<p>Legend</p> <ul style="list-style-type: none"> ● Shovel Test (ST) ● Positive ST (Historic) ◀ Photo Angle 	<p>Phase I Study Area</p> <p>Area of Potential Effects (APE)</p>	<p>HARTGEN <small>ARCHAEOLOGICAL ASSOCIATES INC.</small></p>	<p>Project Map</p> <p>New York State Office of Information Technology Services, Orthoimagery, 2017</p>	<p>Map 2</p>
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Albany County Solar Installation - Radar Site, Town of Colonic, Albany County, New York
Phase I Archeological Investigation



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Soil Map

New York State Office of Information Technology Services, Orthoimagery, 2017; U.S. Department of Agriculture, Natural Resources Conservation Service Soil Survey Geographic Database 2017

HARTGEN
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Map 3

Albany Radar Tower Site Solar, Town of Colonic, Albany County, New York
Phase I Archeological Investigation

Photographs

Albany Radar Tower Site Solar, Town of Colonie, Albany County, New York
Phase I Archeological Investigation



Photo 1. View facing east along roadway showing wooded area to the south (right) and more open area to the north (left) with the radar tower in the background.

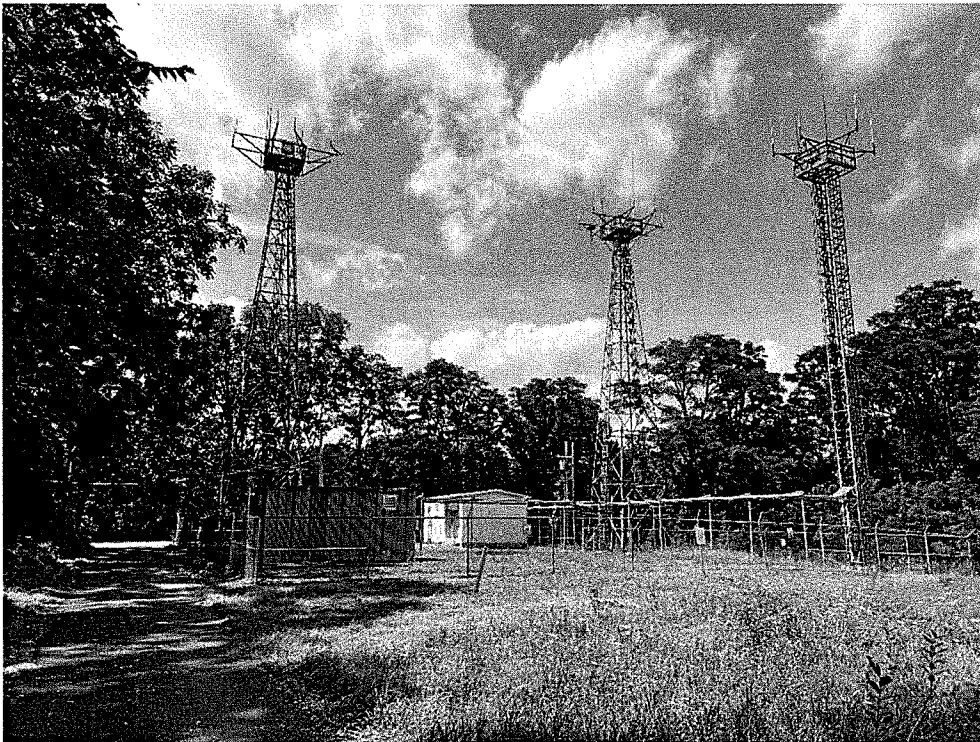


Photo 2. View facing to the west along the roadway showing second fenced complex. The road turns to the south (left) just past the fence.

Albany Radar Tower Site Solar, Town of Colonic, Albany County, New York
Phase I Archeological Investigation



Photo 3. View facing south showing conditions in the wooded southern portion of the APE.



Photo 4. View facing southeast showing conditions in the wooded southern portion of the APE.

Albany Radar Tower Site Solar, Town of Colonie, Albany County, New York
Phase I Archeological Investigation

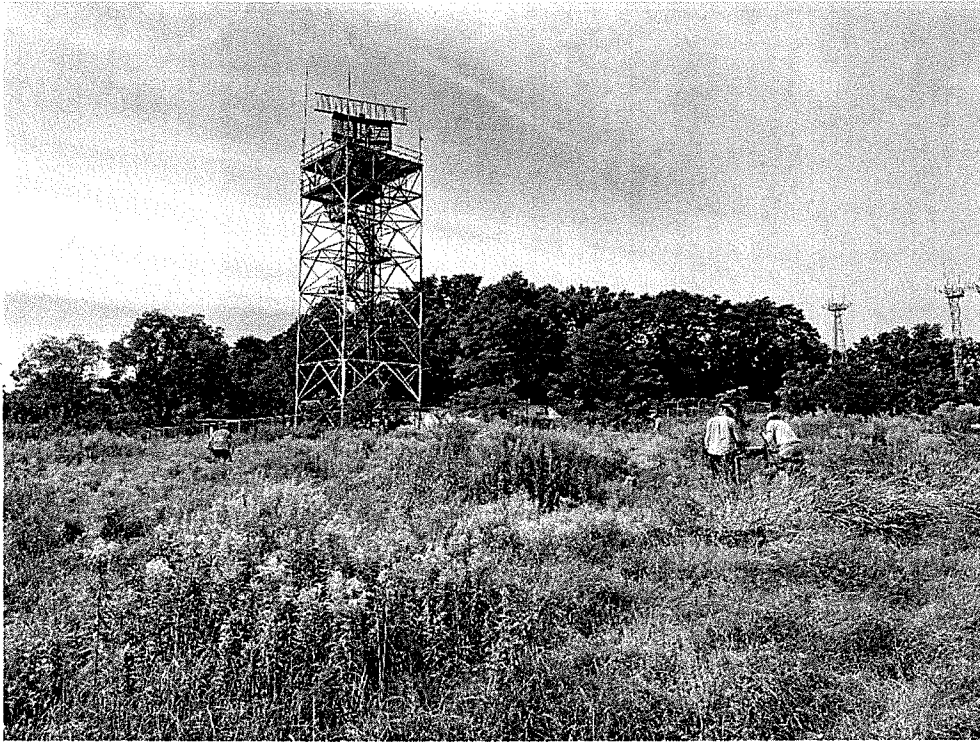


Photo 5. View facing southwest showing conditions in more open northern portion of the APE. Hartgen archeologists are excavating TP's 74 and 75.



Photo 6. Archeologist Megan Eigen excavating STP 43. View to the west.

Albany Radar Tower Site Solar, Town of Colonie, Albany County, New York
Phase I Archeological Investigation



Photo 7.
Archeologist Amy Wilson excavating STP 35. View to the east.

Albany Radar Tower Site Solar, Town of Colonie, Albany County, New York
Phase I Archeological Investigation

Appendix 1: Shovel Test Records

571531: Phase I Archeological Investigation, Albany Radar Tower Solar Site

Shovel Test Records

<u>Test</u>	<u>Ending Depth (cm)</u>	<u>Level</u>	<u>Munsell Color</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Termination Reason</u>	<u>Not Collected</u>
1	37	1	2.5y 4/3 olive brown	silt loam	roots		
	57	2	2.5y 5/6 light olive brown	silt loam		subsoil	
2	25	1	2.5y 4/2 dark grayish brown	silt clay	gravel, roots		
	52	2	2.5y 5/4 light olive brown	silt clay	gravel	subsoil	
3	38	1	10yr 3/3 dark brown	silt clay	roots		
	58	2	10yr 6/4 light yellowish brown	sand clay	cobbles, roots	subsoil	
4	20	1	10yr 3/3 dark brown	silt sand			
	40	2	10yr 4/6 dark yellowish brown	sand	gravel, cobbles, roots	subsoil	
5	30	1	10yr 4/3 brown	silt sand	gravel, roots		
	53	2	10yr 5/4 yellowish brown	silt sand	gravel	subsoil	
6	25	1	10yr 3/3 dark brown	sand	roots		
	45	2	10yr 4/6 dark yellowish brown	sand	gravel	subsoil	
7	24	1	10yr 3/4 dark yellowish brown	silt sand	roots, rocks		
	45	2	10yr 5/4 yellowish brown	sand clay	roots	subsoil	
8	7	1	2.5y 2.5/1 black	silt sand loam			
	35	2	2.5y 4/3 olive brown	silt sand	roots		Chert nodules
	47	3	10yr 5/6 yellowish brown	silt sand		subsoil	
9	30	1	10yr 3/3 dark brown	sand	gravel, cobbles, roots		
	50	2	10yr 4/6 dark yellowish brown	sand	gravel	subsoil	
10	23	1	2.5y 4/3 olive brown	silt sand			
	45	2	2.5y 5/6 light olive brown	silt sand		subsoil	
11	8	1	10yr 4/3 brown	silt sand	gravel, roots		
	24	2	10yr 5/4 yellowish brown	silt sand	gravel, roots	impasse (roots)	
12	26	1	10yr 3/4 dark yellowish brown	sand loam	roots		
	54	2	10yr 5/8 yellowish brown	sand loam	roots	subsoil	
13	30	1	2.5y 4/3 olive brown	silt sand			
	48	2	2.5y 5/6 light olive brown	silt sand	gravel	subsoil	

571531: Phase I Archeological Investigation, Albany Radar Tower Solar Site

Shovel Test Records

Test	Ending		Munsell Color	Soil Type	Soil Inclusions	Termination	
	Depth (cm)	Level				Reason	Not Collected
14	35	1	10yr 4/6 dark yellowish brown	sand	roots		
	55	2	10yr 6/8 brownish yellow	sand		subsoil	
15	32	1	10yr 4/4 dark yellowish brown	sand	gravel, charcoal, roots		
	62	2	10yr 5/6 yellowish brown	sand	gravel, roots	subsoil	
16	34	1	10yr 4/3 brown	silt sand			
	63	2	10yr 5/6 yellowish brown	silt sand		subsoil	
17	48	1	10yr 4/6 dark yellowish brown	sand			
	68	2	10yr 6/6 brownish yellow	loam	small pebbles	subsoil	
18	32	1	10yr 4/3 brown	silt sand	roots		
	54	2	10yr 5/6 yellowish brown	silt sand	roots	subsoil	
19	30	1	10yr 4/4 dark yellowish brown	silt clay	gravel, roots		
	61	2	10yr 4/6 dark yellowish brown	silt clay	gravel	subsoil	
20	37	1	10yr 4/3 brown	silt sand			Chert nodules
	57	2	10yr 5/6 yellowish brown	silt sand		subsoil	
21	35	1	10yr 3/3 dark brown	sand	roots		
	60	2	10yr 6/8 brownish yellow	sand		subsoil	
22	32	1	10yr 4/4 dark yellowish brown	silt sand			
	60	2	10yr 5/6 yellowish brown	silt sand		subsoil	
23	29	1	10yr 4/4 dark yellowish brown	sand	gravel, charcoal, roots		
	63	2	10yr 5/6 yellowish brown	sand	gravel, roots	subsoil	
24	42	1	10yr 4/3 brown	silt sand			
	65	2	10yr 5/6 yellowish brown	silt sand		subsoil	
25	34	1	10yr 5/3 brown	silt sand	gravel, roots		
	55	2	10yr 5/6 yellowish brown	sand	gravel, small pebbles	subsoil	
26	48	1	10yr 4/3 brown	silt sand	roots, rocks	impasse (roots)	
27	40	1	10yr 3/3 dark brown	sand			
	60	2	10yr 4/6 dark yellowish brown	sand	gravel	subsoil	

571531: Phase I Archeological Investigation, Albany Radar Tower Solar Site

Shovel Test Records

Test	Ending		Munsell Color	Soil Type	Soil Inclusions	Termination	
	Depth (cm)	Level				Reason	Not Collected
28	13	1	10yr 4/1 dark gray	loam clay			
	35	2	10yr 5/3 brown	loam clay		impasse (compact soil)	
29	7	1	10yr 4/1 dark gray	clay	gravel, cobbles		
	26	2	10yr 4/4 dark yellowish brown	sand clay	gravel, cobbles	impasse (compact soil)	
			2Gley dark bluish gray 3/10B				
30	23	1	10yr 3/2 very dark grayish brown	silt clay	gravel	impasse (compact soil)	
31	32	1	10yr 3/3 dark brown	sand	gravel, cobbles, roots		
	52	2	10yr 5/8 yellowish brown	sand	gravel, cobbles	subsoil	
32	26	1	10yr 4/3 brown	silt sand			
	52	2	10yr 5/4 yellowish brown	sand		subsoil	
33	34	1	10yr 4/4 dark yellowish brown	sand	gravel, roots		
	58	2	10yr 4/6 dark yellowish brown	sand	gravel, roots	subsoil	
34	34	1	10yr 3/3 dark brown	silt sand	roots		
	55	2	10yr 4/6 dark yellowish brown	silt sand		subsoil	
35	35	1	10yr 5/3 brown	sand	gravel, cobbles, roots		
	57	2	10yr 5/4 yellowish brown	sand	gravel	subsoil	
36	36	1	10yr 4/3 brown	silt sand	roots		
	55	2	10yr 5/6 yellowish brown	silt sand	gravel	subsoil	
37	31	1	10yr 3/4 dark yellowish brown	silt sand	roots		
	52	2	10yr 4/6 dark yellowish brown	silt sand	gravel	subsoil	
38	25	1	10yr 5/3 brown	sand loam	gravel, roots		
	40	2	10yr 6/4 light yellowish brown	sand loam	gravel, cobbles	subsoil	
39	22	1	10yr 4/3 brown	silt clay	gravel, roots		Shotgun shell
	40	2	10yr 5/4 yellowish brown	silt clay	gravel, roots	subsoil	
40	25	1	10yr 4/3 brown	silt sand			
	55	2	10yr 5/6 yellowish brown	silt sand	gravel	subsoil	

571531: Phase I Archeological Investigation, Albany Radar Tower Solar Site

Shovel Test Records

Test	Ending		Munsell Color	Soil Type	Soil Inclusions	Termination	
	Depth (cm)	Level				Reason	Not Collected
41	30	1	10yr 3/3 dark brown	sand loam	gravel, cobbles, roots		
	40	2	10yr 5/6 yellowish brown	sand loam	cobbles	impasse (roots)	
42	33	1	10yr 4/3 brown	silt sand			
	53	2	10yr 5/6 yellowish brown	silt sand	gravel	subsoil	
43	30	1	10yr 3/3 dark brown	silt sand	roots		
	50	2	10yr 5/6 yellowish brown	silt sand	gravel, roots	subsoil	
44	21	1	10yr 4/3 brown	silt sand loam	gravel, roots	impasse (roots)	
45	10	1	10yr 3/3 dark brown	sand	gravel, cobbles, roots		
	30	2	10yr 5/8 yellowish brown	sand	gravel, cobbles, roots	subsoil	
46	30	1	10r 4/3 weak red	sand	roots		
	50	2	10r 5/6 red	sand		subsoil	
47	24	1	10yr 3/2 very dark grayish brown	silt sand loam			
	47	2	10yr 5/6 yellowish brown	silt sand		subsoil	
48	31	1	10yr 5/4 yellowish brown	silt clay	gravel	impasse (compact soil)	
			2Gley 5/5B bluish gray				
49	42	1	10yr 3/4 dark yellowish brown	silt sand			
	62	2	10yr 5/6 yellowish brown	sand loam		subsoil	
50	35	1	10yr 4/4 dark yellowish brown	sand loam	roots		
	55	2	10yr 6/6 brownish yellow	sand		subsoil	
51	30	1	10yr 4/6 dark yellowish brown	sand	roots		
	54	2	10yr 5/8 yellowish brown	sand		subsoil	
52	44	1	10yr 4/3 brown	silt sand	roots		
	60	2	10yr 5/6 yellowish brown	silt sand		subsoil	
53	40	1	10yr 4/4 dark yellowish brown	sand loam	gravel, cobbles		
	55	2	10yr 6/6 brownish yellow	sand	gravel	subsoil	

571531: Phase I Archeological Investigation, Albany Radar Tower Solar Site

Shovel Test Records

Test	Ending		Munsell Color	Soil Type	Soil Inclusions	Termination	
	Depth (cm)	Level				Reason	Not Collected
54	36	1	10yr 4/6 dark yellowish brown	sand	gravel, roots		
	54	2	10yr 6/8 brownish yellow	sand	gravel	subsoil	
55	32	1	10yr 4/3 brown	silt sand			
	49	2	10yr 5/6 yellowish brown	silt sand		subsoil	
56	29	1	10yr 3/4 dark yellowish brown	silt sand	roots, rocks		
	51	2	10yr 5/6 yellowish brown	silt sand	gravel, rocks	subsoil	
57	19	1	10yr 4/4 dark yellowish brown	sand loam	gravel, roots	impasse (roots)	
58	31	1	10yr 4/6 dark yellowish brown	sand	roots		
	52	2	10yr 6/8 brownish yellow	sand		subsoil	
59	34	1	10yr 4/3 brown	silt sand			
	58	2	10yr 5/6 yellowish brown	silt sand	gravel	subsoil	
60	45	1	10yr 4/4 dark yellowish brown	sand loam	gravel, roots		
	60	2	10yr 6/6 brownish yellow	sand		subsoil	
61	44	1	10yr 3/4 dark yellowish brown	silt sand	roots		
	64	2	10yr 5/8 yellowish brown	silt sand		subsoil	
62	29	1	10yr 4/4 dark yellowish brown	sand loam			
	60	2	10yr 5/6 yellowish brown	silt clay		subsoil	
63	47	1	10yr 3/2 very dark grayish brown	sand clay	gravel		
	66	2	10yr 5/6 yellowish brown	sand loam		subsoil	
64	64	1	10yr 4/6 dark yellowish brown	sand	roots		
	49	2	10yr 6/8 brownish yellow	sand		subsoil	
65	15	1	10yr 3/3 dark brown	silt sand	roots	impasse (roots)	
66	9	1	10yr 4/3 brown	silt loam			
	32	2	10yr 5/4 yellowish brown	silt loam other		subsoil	
67	20	1	10yr 4/2 dark grayish brown	sand clay	gravel, cobbles	impasse (rocks)	
68	35	1	10yr 4/3 brown	sand clay	gravel, crushed stone		
	64	2	10yr 4/6 dark yellowish brown	sand loam	gravel	subsoil	

571531: Phase I Archeological Investigation, Albany Radar Tower Solar Site

Shovel Test Records

<u>Test</u>	<u>Ending Depth (cm)</u>	<u>Level</u>	<u>Munsell Color</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Termination Reason</u>	<u>Not Collected</u>
69	30	1	10yr 4/3 brown	sand loam	gravel		
	51	2	10yr 5/6 yellowish brown	silt sand	gravel	subsoil	
70	36	1	10yr 3/6 dark yellowish brown	silt	gravel, cobbles, roots	impasse (compact soil)	
71	30	1	10yr 5/3 brown	sand loam	gravel, cobbles, roots		
	45	2	10yr 6/6 brownish yellow	sand	gravel, cobbles	subsoil	
72	39	1	2.5y 3/3 dark olive brown	silt sand loam	cobbles		
	59	2	2.5y 5/4 light olive brown	silt loam other		subsoil	
73	42	1	10yr 5/3 brown	silt clay	gravel, cobbles		
	64	2	10yr 6/6 brownish yellow	sand clay	gravel, cobbles	subsoil	
74	30	1	10yr 3/4 dark yellowish brown	silt sand	gravel, cobbles		
	50	2	10yr 4/6 dark yellowish brown	silt sand	gravel	subsoil	
75	35	1	10yr 4/4 dark yellowish brown	sand loam	gravel, cobbles		
	50	2	10yr 5/4 yellowish brown	sand	gravel, cobbles	subsoil	
76	36	1	10yr 4/4 dark yellowish brown	silt loam	gravel, cobbles, roots	impasse (compact soil)	
77	37	1	10yr 5/3 brown	loam	gravel, roots		
	58	2	10yr 5/4 yellowish brown	silt loam	gravel	subsoil	
78	14	1	10yr 4/3 brown	silt loam other			Chert nodule
	35	2	10yr 5/4 yellowish brown	silt loam other		subsoil	
79	41	1	10yr 3/1 very dark gray	silt clay	exfoliating bedrock	impasse (compact soil)	
			10yr 4/1 dark gray				
80	28	1	10yr 4/4 dark yellowish brown	silt loam	gravel, cobbles, roots		
	50	2	10yr 4/6 dark yellowish brown	silt loam	gravel	subsoil	
81	30	1	10yr 4/3 brown	silt loam other			
	45	2	10yr 5/4 yellowish brown 10yr 5/6 yellowish brown	silt loam other		subsoil	
82	30	1	10yr 4/2 dark grayish brown	loam clay	gravel, cobbles		
	45	2	10yr 5/6 yellowish brown	clay	gravel, cobbles	subsoil	

571531: Phase I Archeological Investigation, Albany Radar Tower Solar Site

Shovel Test Records

<u>Test</u>	<u>Ending Depth (cm)</u>	<u>Level</u>	<u>Munsell Color</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Termination Reason</u>	<u>Not Collected</u>
83	39	1	2.5y 3/2 very dark grayish brown 10yr 5/8 yellowish brown	loam clay	cobbles, roots, rocks	impasse (rocks)	
84	30	1	10yr 4/2 dark grayish brown	loam clay	gravel, cobbles		
	40	2	7.5yr 5/4 brown	clay	gravel	impasse (rocks)	
85	28	1	10yr 4/3 brown	silt sand loam			Chert nodule
	48	2	10yr 5/4 yellowish brown 10yr 5/6 yellowish brown	silt sand		subsoil	

Appendix 2: Artifact Inventory

571531: Phase I Archeological Investigation, Albany Radar Tower Solar Site

Artifact Inventory

<u>Provenience</u>	<u>Level</u>	<u>Feature</u>	<u>Bag</u>	<u>Item</u>	<u>Count</u>	<u>Artifact Description</u>	<u>Material</u>	<u>Material Not Collected</u>	<u>Weight (g)</u>
STP 15	1		1	1	1	whiteware	refined earthenware		0.6



Parks, Recreation, and Historic Preservation

KATHY HOCHUL
Governor

ERIK KULLESEID
Commissioner

September 14, 2021

Laura DeGaetano
Albany County Office of Natural Resource Conservation
112 State St. Room 1013
Albany, NY 12207

Re: DEC
Albany County Solar Installation - Radar Site/3.21MW/8 of 33.9 Acres
Town of Colonie, Albany County, NY
21PR01812

Dear Laura DeGaetano:

Thank you for continuing to consult with the New York State Historic Preservation Office (SHPO). We have reviewed the submitted materials in accordance with the New York State Historic Preservation Act of 1980 (section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the Division for Historic Preservation and relate only to Historic/Cultural resources.

We have reviewed your recent submissions, dated August 25 and August 31, 2021, for this project. The submissions include viewshed analysis maps in response to our previous information request and our concerns with impacts to the State and National Register listed Watervliet Shaker Historic District (Historic District).

The proposed undertaking is centrally located within the Historic District in one of the few remaining undeveloped areas in this part of the district. Since being listed in the National Register in 1973, the Historic District has been subject to numerous commercial development projects, especially along this section of Watervliet Shaker Road. Taken together, these developments have diminished the rural setting that once characterized the district. Though diminished, the historic rural setting remains as an important character-defining feature associated with the Historic District.

The proposed undertaking will have substantial visual impacts on the Historic District. The facility will be potentially visible from the West Family, South Family, and Church Family properties as well as the Shaker Cemetery (Ann Lee Cemetery). The solar arrays with their industrial form and scale will be incongruous with the Historic District's setting, historic buildings, landscapes, cemeteries, and other resources. In addition, potential glare and reflectivity at various times of the day, albeit minor, are of concern.

As such, our office has found that the undertaking will have adverse impacts on historic resources within the project's area of potential impact.

In this instance we believe that, other than a do nothing alternative, there may be few viable options that might avoid or minimize visual impacts associated with the scale and industrial character of the solar arrays. As such, we recommend that the involved parties

proceed with the development of an appropriate historic preservation mitigation plan. The plan should establish specific preservation/history projects and/or funding intended to offset what this office believes will be significant visual impacts associated with this undertaking. Once a mitigation plan is developed and agreed upon with this office and the lead state agency, it would then be memorialized in a Letter of Resolution as required by Section 14.09.

At this point in our review, the assessment of potential archeological impacts associated with the development of the solar facility are ongoing. Once this assessment is completed our office will issue a formal recommended finding under Section 14.09 to the involved State Agencies.

If you have any questions, please contact me at Weston.davey@parks.ny.gov or (518) 268-2164.

Sincerely,



Weston Davey
Historic Site Restoration Coordinator
Weston.davey@parks.ny.gov

Cc: Charles Vandrei, DEC (via CRIS email)

Prepared For:
Siemens Smart Infrastructure
6 British American Boulevard
Latham, NY 12110
(585)-613-8967

Submitted by:
LaBella Associates
4 British American
Blvd
Latham, NY 12110
(518) 439-8235



Albany Radar Tower
Solar Visual Assessment

MARCH 02, 2022

PROJECT NO. 2212336

Contents

- Introduction 2
- Data Gathering 2
- Desktop Review 3
 - Field Photo Location Plan 4
- Field Work 5
- Visual Simulations 6
 - Visual Simulation Location Plan 7
 - Figure 1.1 8
 - Figure 1.2 8
 - Figure 2.1 9
 - Figure 2.2 9
 - Figure 3.1 10
 - Figure 3.2 10
 - Figure 4.1 11
 - Figure 4.2 11
- Visual Simulation Process 12
 - 3D Model, View Orientation and Visual Simulation 12
 - 3DS Max/Civil3D & Photoshop Step-by-Step 13
 - Example of Photo Layering 13
 - Existing Photo 14
 - Proposed Foreground 14
 - Proposed Model 15
 - Final Simulation 15
- Attachment A: Line of Sight(s) 16

INTRODUCTION

LaBella Associates, DPC (LaBella) was contracted by Siemens Smart Infrastructure to produce visual simulations for a proposed solar array located at 925 Watervliet Shaker Road in the Town of Brunswick, New York. The simulations presented in this report were developed from four (4) vantage points in the vicinity of the project site. The simulations are based on preliminary engineering for the proposed solar array and interconnection submitted with this package. Some dimensions of the proposed improvements have been provided below:

- Solar Panel = 9' +/- maximum height from ground based on included sketch (in renderings) at 25 Degrees
- Electrical Equipment = 6'0" tall box
- Fencing = 7' 0" tall
- Utility Poles = 40'0" tall

The simulations were performed through the combination of field work and various computer programs. An outline of the programs and tools used can be found below.

Equipment

- Field Cones
- iPhone
- Arrow Unit Gold GNSS GPS device & Rod Setup

Programs/Software

- AutoDesk:
 - 3DS Max
 - Civil 3D
 - InfraWorks
 - ReCap
- ESRI:
 - ArcMap/ArcGIS Pro
 - ArcGIS Online
 - Collector Application
- Google Earth

It is LaBella Associates understanding that there are no codes or requirements for process of creating visual simulations in the Hamlet of Latham.

DATA GATHERING

To create the proposed 3D model, LaBella Associates used the following:

- Aerial Imagery – NYS GIS Clearinghouse – 2021
 - <https://orthos.dhSES.ny.gov/content/metadata/2021/2021-06-inch-4-Band-Orthoimagery-East-Zone.xml>
- Supplemental Ground Surface – DEM generated from NYS GIS clearinghouse Lidar
 - <http://gis.ny.gov/elevation/metadata/2008-Capital-District-LiDAR.xml>

DESKTOP REVIEW

LaBella identified thirteen (13) locations to investigate adjacent the proposed improvements to assess potential visual impact during the field work. These locations were selected as areas that are most likely to be impacted by the proposed improvements or have been noted as a sensitive receptor. While in the field determinations may be made to remove points based on visibility from the flagged locations. The focus of the field work was to capture photos and documentation from potentially impacted views associated with the West and South family sites along Watervliet Shaker Road as well as the Shaker cemetery located on Heritage Lane. The attached Field Photo Location map shows the locations of all recorded photos.

Based on our desktop review, it is expected that there will be some impact to the viewsheds associated with the aforementioned sites. However, there will be a higher impact for residents and drivers and pedestrians along Watervliet Shaker Road from the east.



FIELD WORK

Field work began on Saturday January 30th, 2022. While on-site the weather was sunny with a light breeze.

The existing conditions were captured in photos to be used as the base for the simulations. Field photos were captured with a rear facing GPS enabled Phone. Each photo location was recorded through the use of an Arrow Gold GNSS GPS unit. At each photo, a vantage point was created recording location, altitude and documented field notes.

While at each vantage, cones are placed within the line of site and recorded as a registration marker. These cones can be seen inside of both the existing and simulated photos. Below is an example of the cones for coordination between existing and modeled environment.



Photo Location 1

VISUAL SIMULATIONS

The following visual simulations provide the intent of the proposed solar array at installed conditions. The elements used in the simulation are for representation of intent of massing and appearance but may vary from installed materials.

Photo 01 was taken adjacent to the West Family Laundry House (USN number: 00104.000026) looking northeast into the proposed site. This view represents the potential impacts to the residents of the apartments within both the laundry house as well as that of the other West Family buildings.

As shown in the prepared visual simulation, even during leaf-off conditions, existing vegetation (comprised of old growth vegetation with trees reaching roughly 60 feet in height) provides roughly 1300 linear feet of buffer along the western perimeter of the proposed site to shield vehicles and residences from the proposed array behind it.

See Figure 1.1 for the existing conditions and 1.2 for the proposed visual simulations

Photo 02 was taken at the intersection of Watervliet Shaker Road (Ny-155) and Airline Drive looking northwest into the proposed site. This view represents the potential impact to vehicles and pedestrians looking northwest into the site. The view is primarily unobstructed with minor vegetation along the east side of Watervliet Shaker Road (Ny-22).

As shown in the prepared simulation, the proposed site improvements are visible from this location.

See Figure 2.1 for the existing conditions and 2.2 for the proposed visual simulations.

Photo 03 was taken along the existing asphalt pedestrian pathway (northeast of the existing radio tower) looking southwest into the proposed site. This view represents the potential impact to pedestrians who use this path. The view is relatively unobstructed with light screening vegetation along the eastern border of the proposed site.

As shown in the prepared visual simulation, the proposed site improvements will be visible from this location. However, even during leaf-off conditions, existing vegetation along the eastern border of the proposed site provides moderate screening for pedestrians from the array behind it.

See Figure 3.1 for the existing conditions and 3.2 for the proposed visual simulations.

Photo 04 was also taken along Heritage Lane to the east of the proposed site. This view represents the potential impact to the Church Family barns (USN number: 0104.000010) as well as members of the Shaker Heritage Society who frequent this area.

As shown in the prepared visual simulation, even during leaf-off conditions, existing vegetation along the eastern side of Watervliet Shaker Road as well as natural variations in topography will shield members and users from the proposed improvements. The proposed simulation has been prepared showing a red hatched area simulating the proposed array behind the existing tree line.

See Figure 4.1 for the existing conditions and 4.2 for the proposed visual simulations

Simulated Photo Descriptions

- Figure X.1 – Existing Conditions field photos
- Figure X.2 – Proposed Simulations





Figure 1.1



Figure 1.2



Figure 2.1

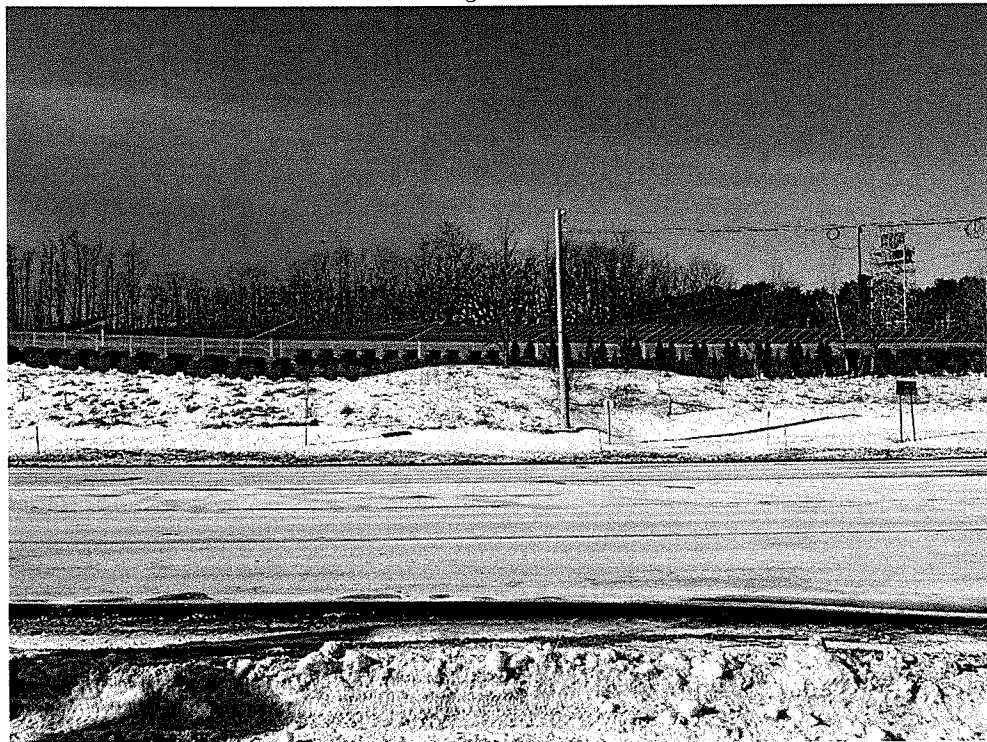


Figure 2.2



Figure 3.1

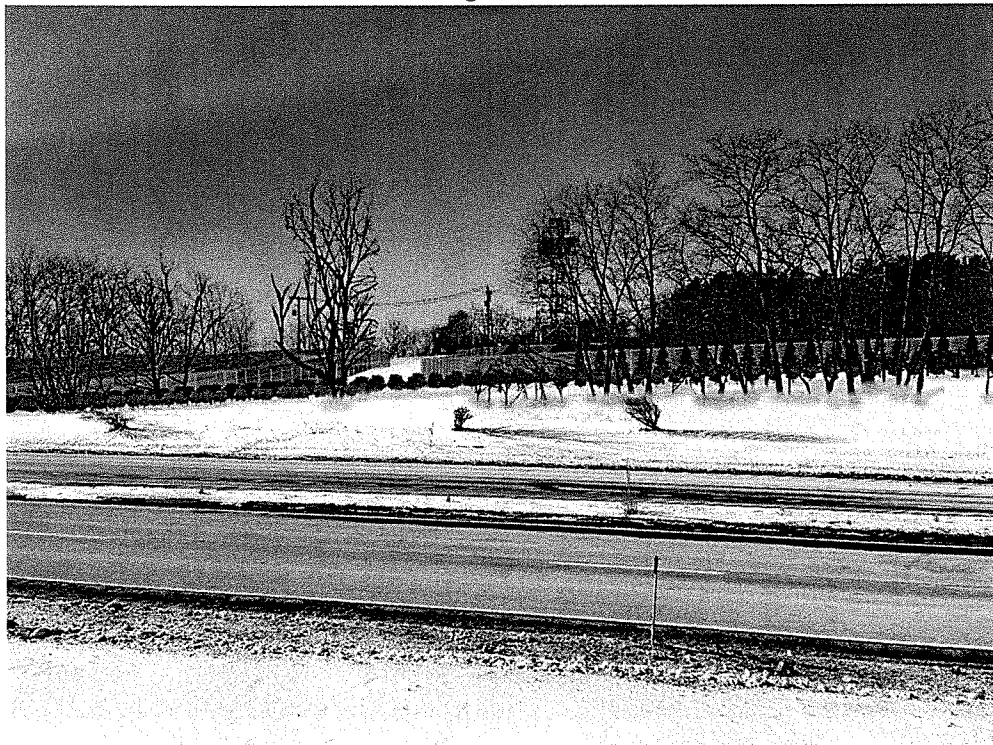


Figure 3.2



Figure 4.1

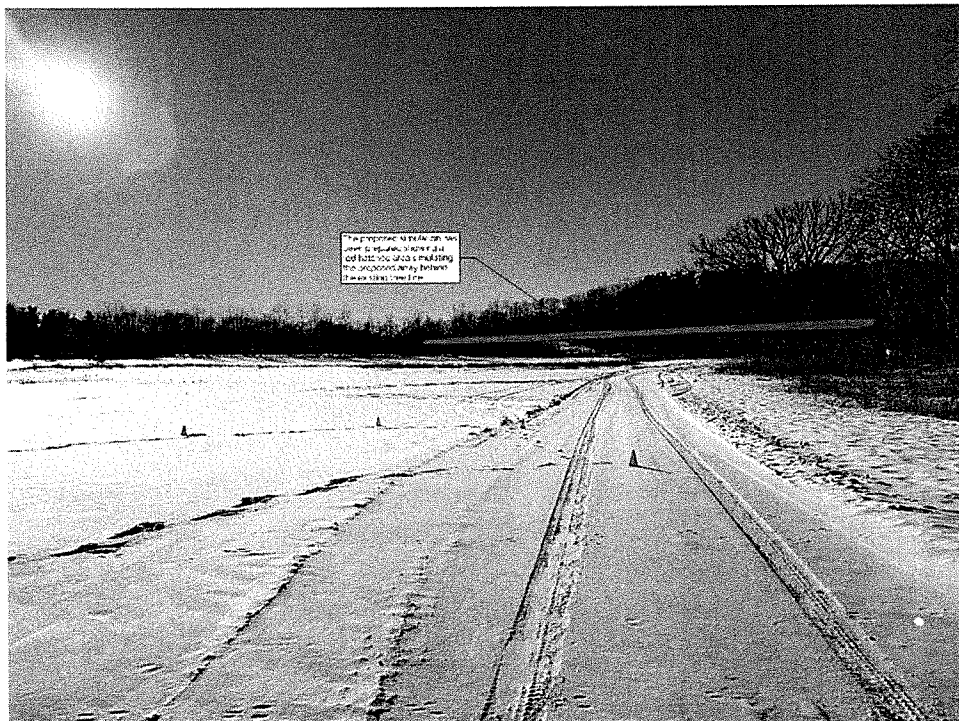


Figure 4.2

VISUAL SIMULATION PROCESS

3D Model, View Orientation and Visual Simulation

LaBella generated a geospatially accurate three-dimensional (3D) model depicting the proposed improvements using all of the gathered data. The proposed site improvements include chain link fence and gates, electrical equipment and pads, gravel access drive, utility poles, solar modules and racking and a vegetative buffer. The submitted simulations include all of the proposed improvements discussed above.

The geospatially accurate model allows us to import in the Field Photo Locations recorded during the field work completed on January 30th, 2022. The imported points were used to create model viewports and align the proposed 3D model with existing conditions captured in the photos. The recorded GPS unit elevation, approximate surface grades and +/- 5.5-6.0' eye height were used to align the vantage of the field photo to the model photo. After the elevation and direction of the photo locations are established, the views are adjusted to align with the rotation and physical location of the field photos.

LaBella modeled existing features as location markers for the final integration of the proposed improvements into the field photos. After the existing features were modeled the proposed features were added and cameras were set to mimic the locations in the field. The camera positions were determined by GPS coordinate data and their orientations were recorded using the theodolite application. The photos of the model were then exported from 3DS MAX and imported into Adobe Photoshop. To create the final simulations, the proposed model view was layered between a foreground and background of the existing photo. See example in step-by-step workflow below

3DS Max/Civil3D & Photoshop Step-by-Step

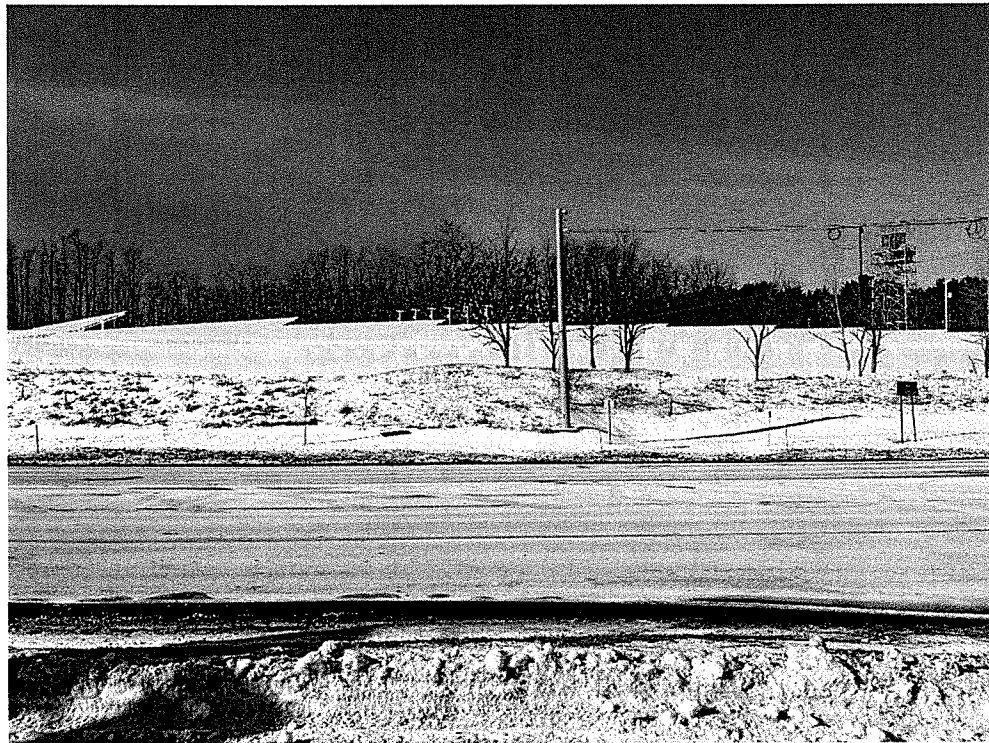
1. Create a new base file using Autodesk Civil 3D
 - a. Using the programs surface creation tools the LIDAR is imported as a TIN surface.
2. Create a model with Proposed Design Elements using Civil 3D. The LIDAR surface is used as a basis for the 3D projection of the proposed plan including the following elements:
 - a. Fencing
 - b. Electrical Equipment
 - c. Solar Tables and Supports
 - d. Utility Poles & Overhead Wires
 - e. Access Road
3. Setting Up Views
 - a. Real Photos taken (with GPS coordinates)
 - b. Create cameras in Civil 3D model (using Latitude and Longitude from the photo)
 - i. Simulate the focal length, declination, altitude, and azimuth using information provided by theodolite application (taken at time of photo)
4. Import the completed model and with cameras into Autodesk 3DS MAX
 - a. In 3DS MAX the completed Civil 3D model is imported
 - b. Textures are applied to the imported elements
 - c. Trees are added at the locations specified by the landscape plan
5. Render Views
 - a. Render engine is set to match the field photography resolution
6. Open Site Photo and Rendered View in Photoshop (3 Layers)
 - a. Background (Site Photo)
 - b. Rendered View (Proposed Improvements Only)
 - c. Foreground (Model View Removed)
7. The Rendered View of the Proposed Solar Array is superimposed onto the Site Photo
8. Blend the edges of the Site Photo and Rendered View to create a seamless transplant (clarify foreground and background elements)
9. Export the Final View as a PDF and JPG and add into submission.

Example of Photo Layering

The following images represent the several layers that are created during the visual simulation process. Through analyzing the photo locations to surrounding existing features we identify portions of the photo that will remain as foreground and leave the remaining features to compose the background. Once the separation is made the export of the proposed improvements is placed in between the two layers allowing the future foreground to screen the proposed improvements as expected.



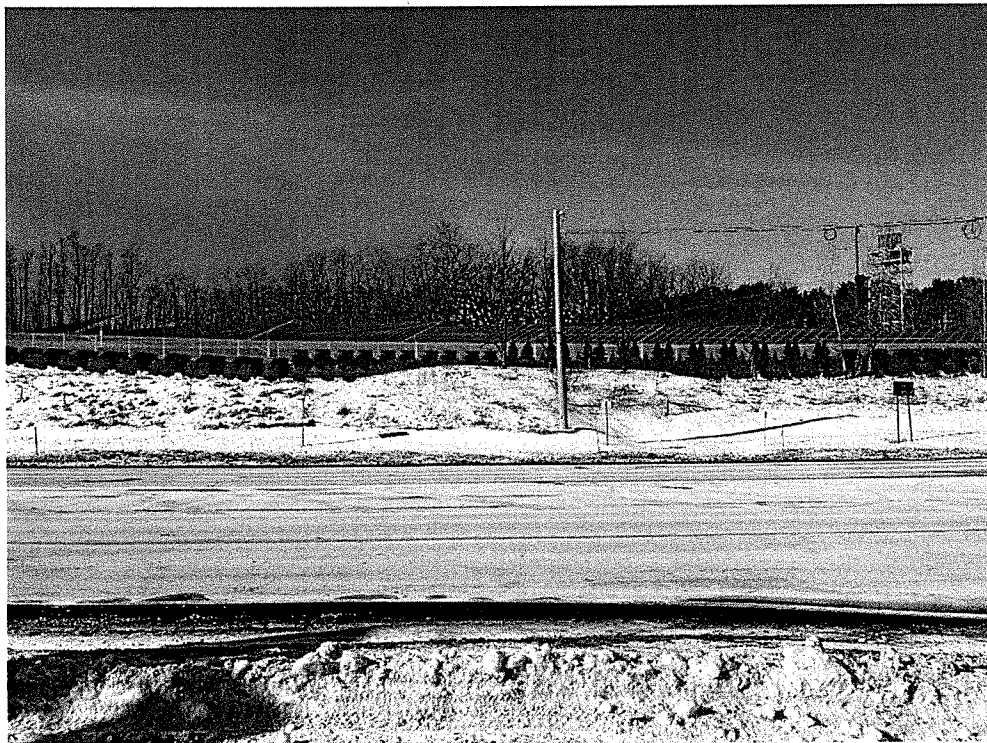
Existing Photo



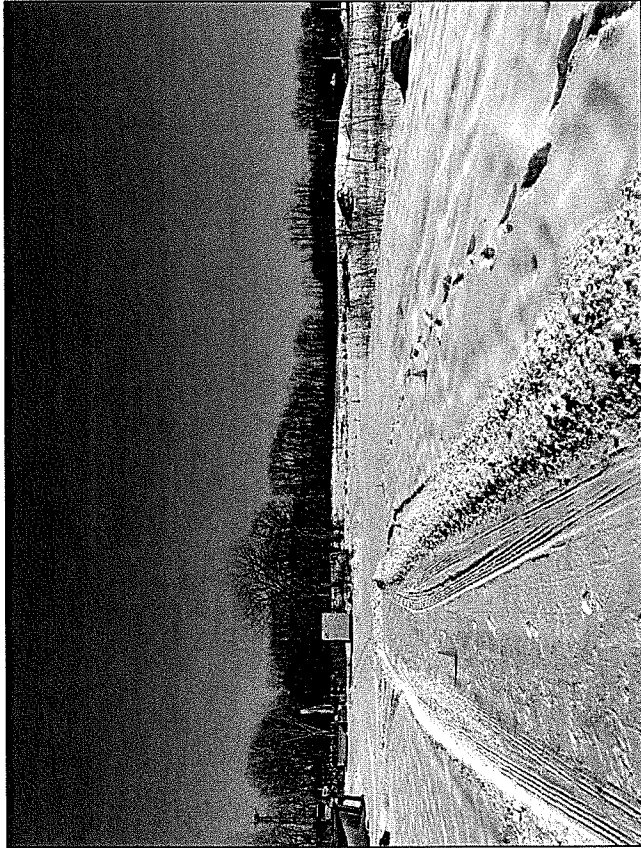
Proposed Foreground



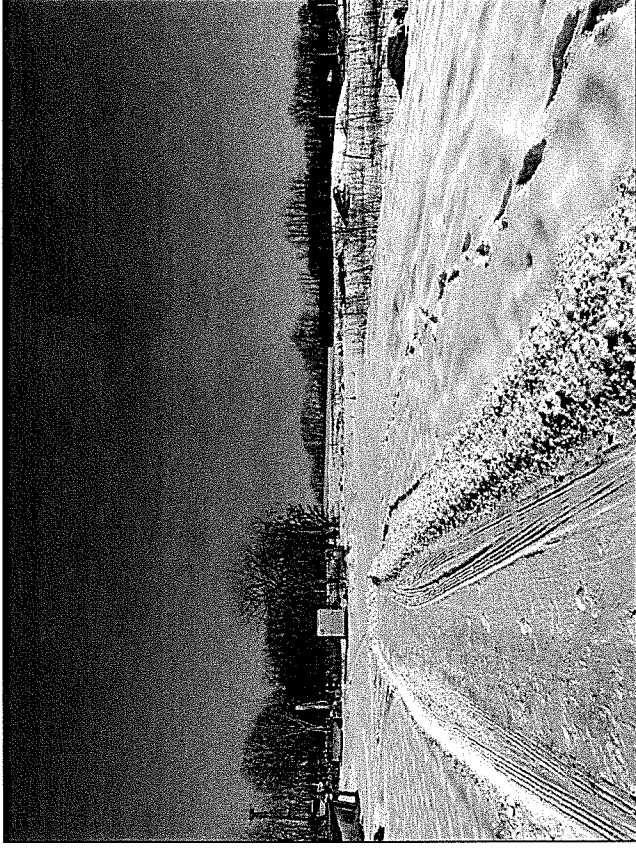
Proposed Model



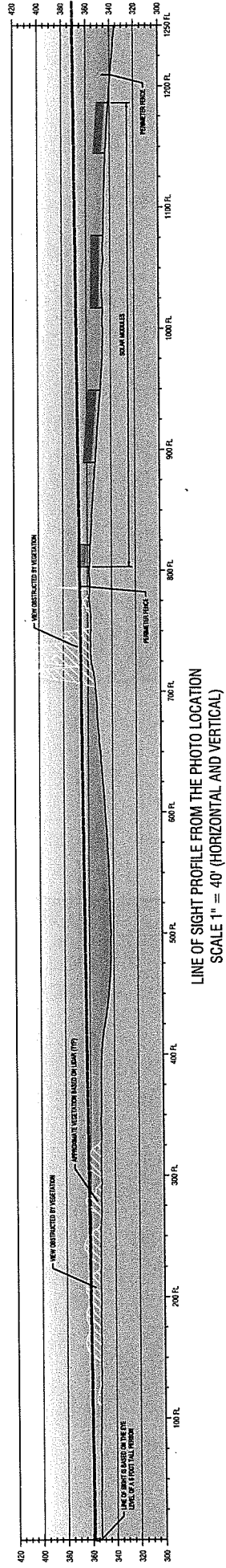
Final Simulation

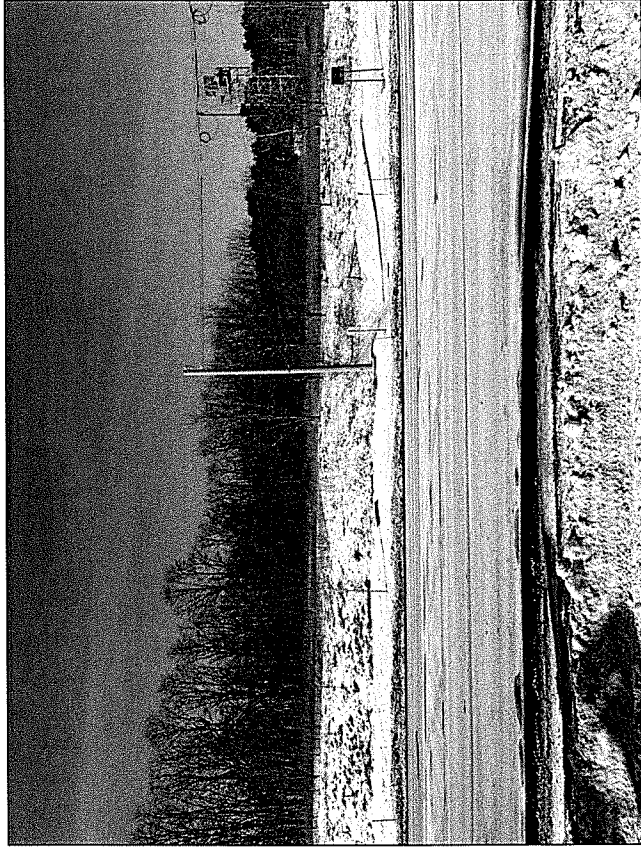


EXISTING CONDITIONS (FIELD PHOTO)
 PHOTO TAKEN: SATURDAY, JANUARY 30TH, 2022

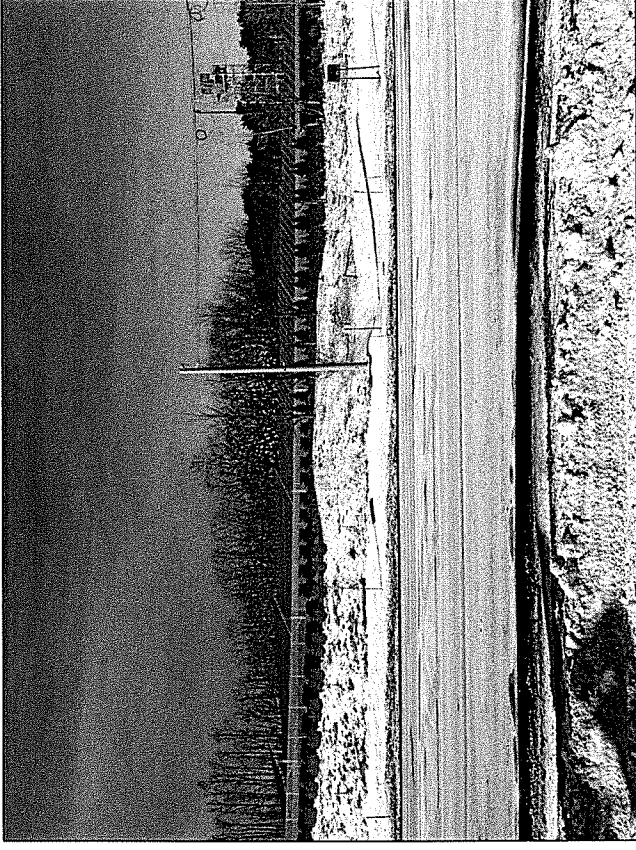


PROPOSED CONDITIONS (VISUAL SIMULATION)
 SIMULATION DEPICTS IMMEDIATE POST CONSTRUCTION AND RESTORATION

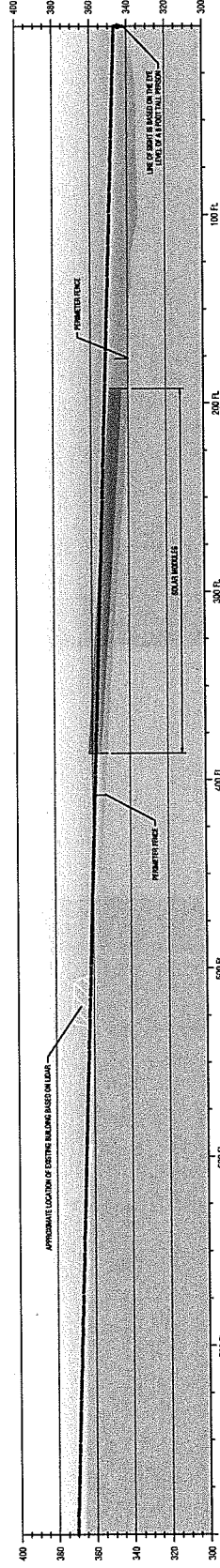




EXISTING CONDITIONS (FIELD PHOTO)
 PHOTO TAKEN: SATURDAY, JANUARY 30TH, 2022



PROPOSED CONDITIONS (VISUAL SIMULATION)
 SIMULATION DEPICTS IMMEDIATE POST CONSTRUCTION AND RESTORATION



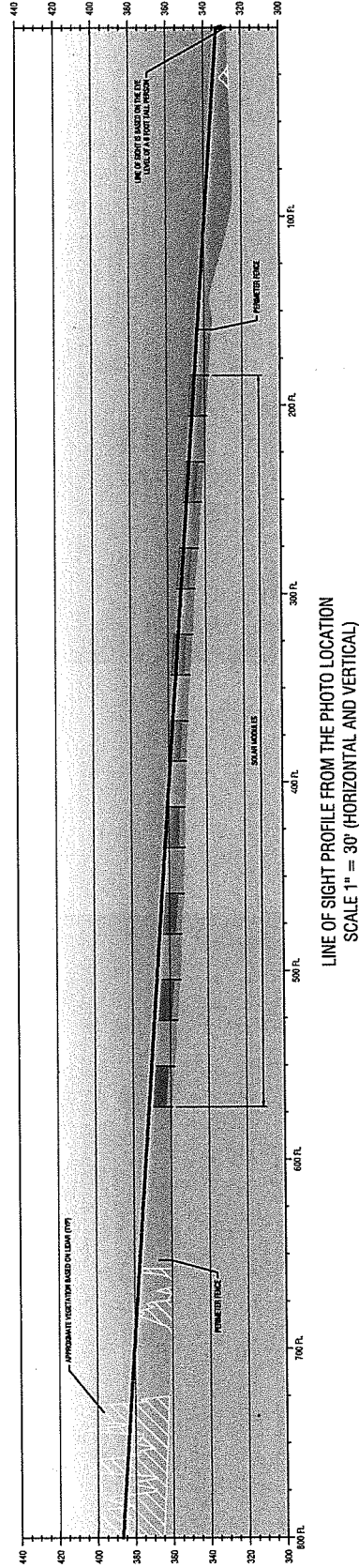
LINE OF SIGHT PROFILE FROM THE PHOTO LOCATION
 SCALE 1" = 30' (HORIZONTAL AND VERTICAL)

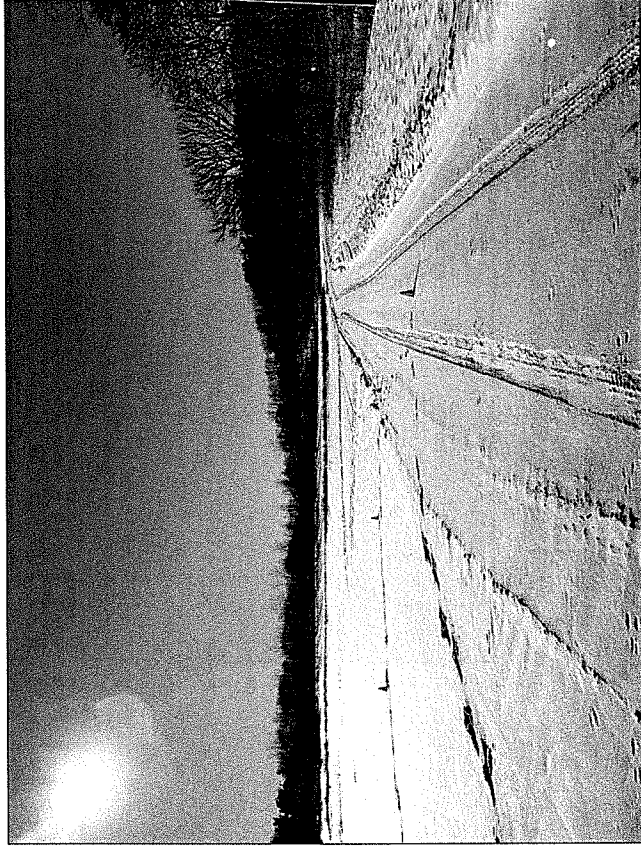


EXISTING CONDITIONS (FIELD PHOTO)
 PHOTO TAKEN: SATURDAY, JANUARY 30TH, 2022

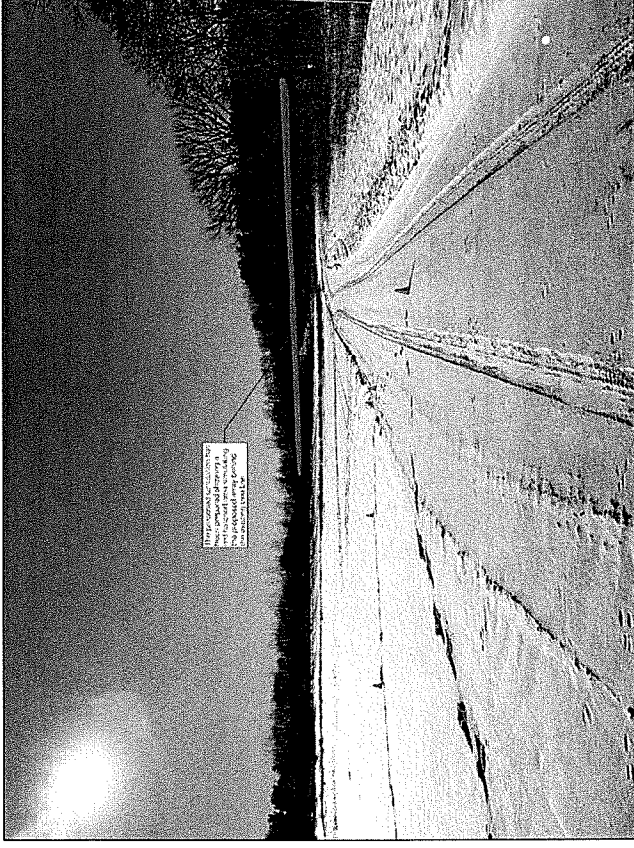


PROPOSED CONDITIONS (VISUAL SIMULATION)
 SIMULATION DEPICTS IMMEDIATE POST CONSTRUCTION AND RESTORATION

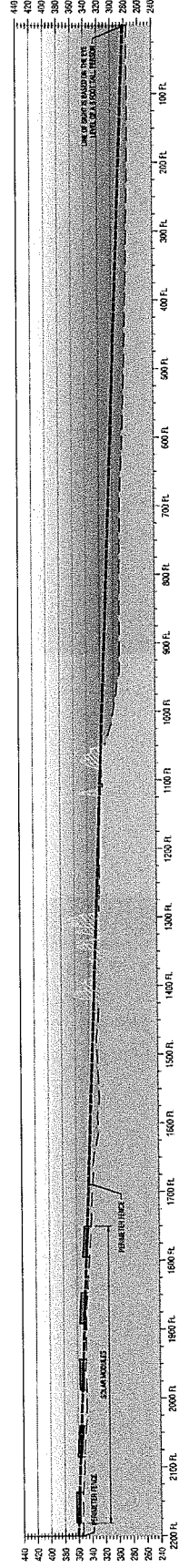




EXISTING CONDITIONS (FIELD PHOTO)
PHOTO TAKEN: SATURDAY, JANUARY 30TH, 2022



PROPOSED CONDITIONS (VISUAL SIMULATION)
SIMULATION DEPICTS IMMEDIATE POST CONSTRUCTION AND RESTORATION



LINE OF SIGHT PROFILE FROM THE PHOTO LOCATION
SCALE 1" = 80' (HORIZONTAL AND VERTICAL)

**LETTER OF RESOLUTION FOR
MITIGATION OF ADVERSE IMPACTS ON CULTURAL RESOURCES ASSOCIATED WITH
THE DEVELOPMENT OF THE ALBANY COUNTY SOLAR PROJECT
AMONG**

**New York State Department of Environmental Conservation;
New York State Office of Parks, Recreation, and Historic Preservation; and
Albany County; and Siemens Industry, Inc.**

21PR01812

WHEREAS, Siemens Industry, Inc. intends to build the (“Project”) a 1.872 MW DC solar project on approximately five-acres of a 33.90-acre parcel located at 897 Watervliet shaker Rd.; and

WHEREAS, the Project requires coverage under a State Pollution Discharge Elimination System General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001) issued by the New York State Department of Environmental Conservation (Department) for the Project; and

WHEREAS, the Department has consulted with the New York State Office of Parks, Recreation, and Historic Preservation (OPRHP) in accordance with Section 14.09 of the New York State Parks Law of 1980, 9 NYCRR Part 428 and the existing intra-agency Letter of Resolution; and

WHEREAS, Siemens Industry, Inc. has completed historic, prehistoric and archeological reviews, surveys, and investigations throughout the project impact area (PIA) for the Project; and

WHEREAS, The NYS OPRHP Division for Historic Preservation (“Division”) Archaeology Unit has reviewed the Phase I Archeological Survey report submitted for this project entitled “Phase I Archeological Investigation, Albany Radar Tower Site Solar, Watervliet Shaker Road and Airline Drive, Town of Colonie, Albany County, New York” prepared by Hartgen Archeological Associates, Inc (21SR00616; September 2021). and concurs with the report recommendation that no additional archaeological work is necessary.

WHEREAS, the proposed Project is sited in the Watervliet Shaker Historic District which is listed on the New York State and National Registers of Historic Places (Historic District); and

WHEREAS, it has been determined that the introduction of the solar array will have an Adverse Impact on the historic district; and the Department, OPRHP, Siemens Industry Inc. and the County all seek to avoid said impact; and

WHEREAS, avoidance of impacts to the Watervliet Shaker Historic District is unavoidable; and

NOW, THEREFORE, in accordance with the NEW YORK STATE PARKS, RECREATION AND HISTORIC PRESERVATION LAW, the Department, OPRHP, and Siemens Industry Inc. and the County agree that the Project may proceed subject to the stipulations set forth below:

STIPULATIONS

1. The site will be documented in its current condition
2. Siemens Industry Inc. Shall fund replacement of the roof on the Shaker Meeting House at the Church Family Site at a cost of up to \$35,000 (Attachment B map, photo, estimate)

3. Siemens Industry Inc. will use pollinator plants and native grasses in and around the solar array (Attachment C Landscape Plan)

4. Other Terms and Conditions:

- Modifications, amendments, or termination of this agreement as necessary shall be accomplished by the signatories in the same manner as the original agreement.
- Disputes regarding the completion of the terms of this agreement shall be resolved by the signatories.

The signatories agree that by execution of this Letter of Resolution the Department has satisfied its requirements for compliance with Section 14.09 of the New York State Parks Law of 1980 and 9 NYCRR part 428.

NYS Department for Environmental Conservation

 Charles E. Vandrei
 Agency Historic Preservation Officer

Date: _____

NYS Office of Parks Recreation and Historic Preservation

 Daniel Mackay
 Deputy Commissioner

Date: _____

Siemens Industry Inc.

Date: _____

Name: _____

Title: _____

County of Albany

Date: _____

Name: _____

Title: _____

Attachment A**State Historic Preservation Office/
New York State Office of Parks, Recreation and Historic Preservation
Human Remains Discovery Protocol**

(August 2018)

If human remains are encountered during construction or archaeological investigations, the New York State Historic Preservation Office (SHPO) recommends that the following protocol is implemented:

Human remains must be treated with dignity and respect at all times. Should human remains or suspected human remains be encountered, work in the general area of the discovery will stop immediately and the location will be secured and protected from damage and disturbance.

If skeletal remains are identified and the archaeologist is not able to conclusively determine whether they are human, the remains and any associated materials must be left in place. A qualified forensic anthropologist, bioarchaeologist or physical anthropologist will assess the remains in situ to help determine if they are human.

No skeletal remains or associated materials will be collected or removed until appropriate consultation has taken place and a plan of action has been developed.

The SHPO, the appropriate Indian Nations, the involved state and federal agencies, the coroner, and local law enforcement will be notified immediately. Requirements of the coroner and local law enforcement will be adhered to. A qualified forensic anthropologist, bioarchaeologist or physical anthropologist will assess the remains in situ to help determine if the remains are Native American or non-Native American.

If human remains are determined to be Native American, they will be left in place and protected from further disturbance until a plan for their avoidance or removal can be generated. Please note that avoidance is the preferred option of the SHPO and the Indian Nations. The involved agency will consult SHPO and the appropriate Indian Nations to develop a plan of action that is consistent with the Native American Graves Protection and Repatriation Act (NAGPRA) guidance. Photographs of Native American human remains and associated funerary objects should not be taken without consulting with the involved Indian Nations.

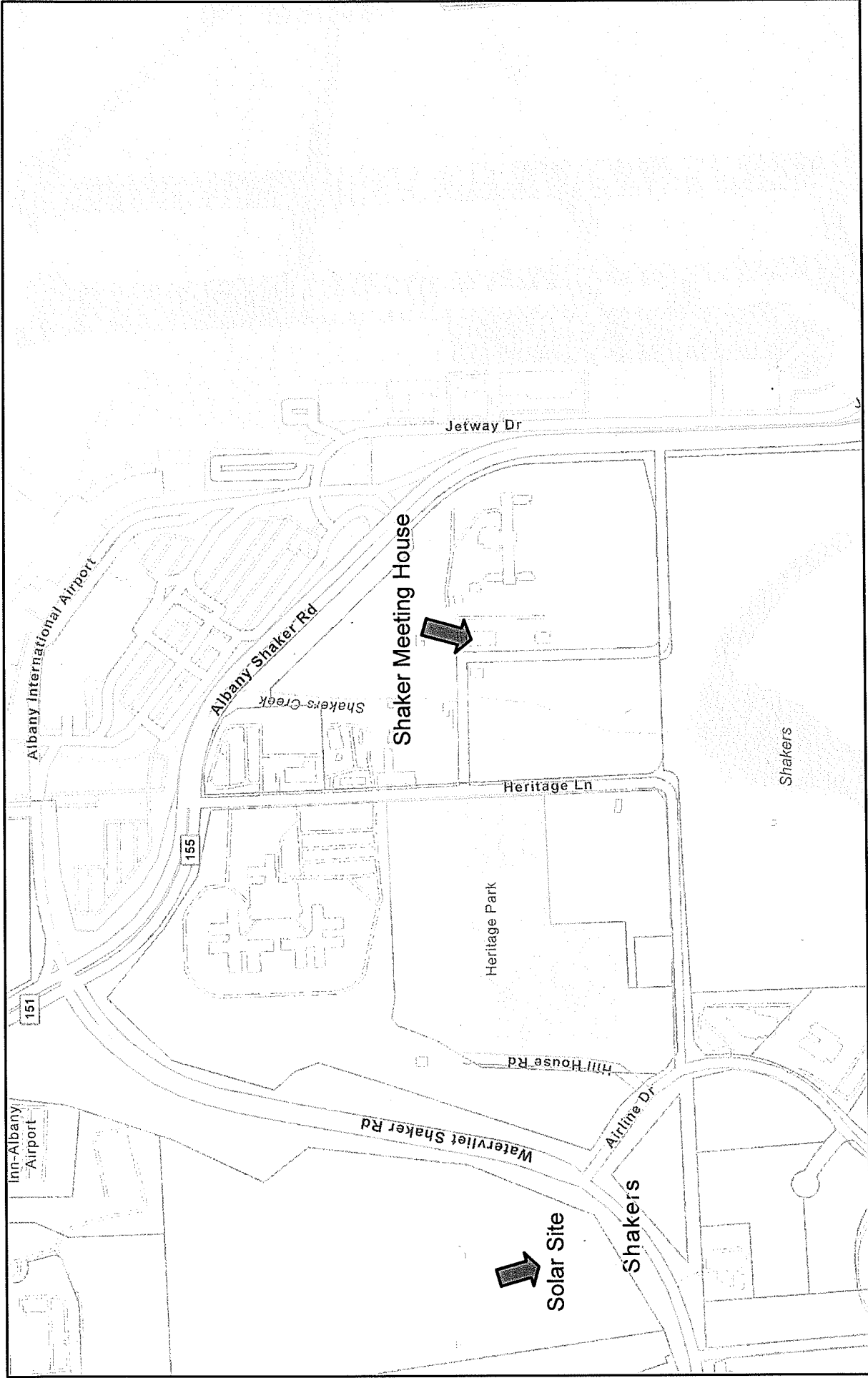
If human remains are determined to be non-Native American, the remains will be left in place and protected from further disturbance until a plan for their avoidance or removal can be generated. Please note that avoidance is the preferred option of the SHPO. Consultation with the SHPO and other appropriate parties will be required to determine a plan of action.

To protect human remains from possible damage, the SHPO recommends that burial information not to be released to the public.

Siemens Industry Inc. shall submit this documentation to Albany County for submission to OPRHP through the CRIS website at: <https://cris.parks.ny.gov> for review and approval. The material should be submitted to the existing CRIS project file 21PR01812.

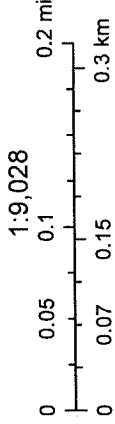
DRAFT

Shaker Meeting House Map



5/12/2022, 11:36:06 AM

☐ Tax Parcels (2021)



Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

In Cooperation with CHA, Inc. Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc. METINASA, USGS, EPA, NPS, US Census Bureau, USDA |

STAR ROOFING and RESTORATION

www.starroofing.net



20 Colvin Ave.
Albany, NY 12206
(518) 449-3422
Fax: (518) 449-3426

To: Shaker Heritage Society 25 Meeting House Road Albany, NY 12211 Contact: Johanna Batman johanna.batman@gmail.com	Phone: ()	Date: 7/17/20
	Project Name/Location: Shaker Heritage Society, 25 Meeting House Road, Albany, NY 12211	
	Shaker Heritage 25 Meeting House Rd Albany Shingle Roof	
	Project Number- 24209	

1. Remove existing one layer of shingles/roofing and drip edge from roof surface. Should additional layer(s) of shingles exist, there will be an additional cost of \$3995.00 for each layer removed and disposed of.
 2. Install ice and water leak barrier on first Six (6) feet of roof, in valley areas and around penetrations and chimneys.
 3. Install synthetic underlayment or equal felt paper on remainder of roof surface.
 4. Install new drip edge on all edges.
 5. Repair existing flashing as needed and install new pipe boots (flanges).
 6. Install new shingles. Owners to select color.
 Manufacturer: CertainTeed Style: Landmark Architectural Color: _____
 7. Remove all debris from job site. Clean up on a daily basis.
 8. Replace any bad roof decking only as needed. PER SQUARE FOOT replacement costs as follows; \$1.65 for 1/2" OSB plywood, \$1.90 for 1/2" CDX plywood, \$2.00 for 5/8" CDX plywood and \$2.25 for 3/4" CDX plywood.
- Other:
 * Price is for the entire shingle roof. * Shingle installation includes a limited "Lifetime" manufacturer's warranty. * Replace three (3) power vents with new solar powered GAF Green Machine vents. * Install shingled over ridge vent(s) on the ridges of the roof. * Remove and dispose of lighting rod brackets and cable. * No lower roofs included. * Deduct \$899.00 from price to use Owens Corning Oakridge Shingles in place of CertainTeed. * Star is not responsible for any interior work as/if needed. 8 This job is tax Exempt and Prevailing wages do not apply. * Note: Temporary emergency repairs will be performed as needed on site, not to exceed \$750.00.

FIVE YEAR WORKMANSHIP GUARANTY - MANUFACTURERS GUARANTY ON MATERIALS

We Propose hereby to furnish material and labor – complete in accordance with the above specifications, for the sum of :
TWENTY EIGHT THOUSAND FOUR HUNDRED NINETY NINE Dollars: \$28,499.00

Payment to be made as follows:
\$14,000.00 upon delivery of materials, balance in full upon completion.

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from the above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owners to carry fire and other necessary insurance. Our workers are fully covered by Workers Compensation Insurance.

Authorized Signature:

Authorized by: Eric Proctor

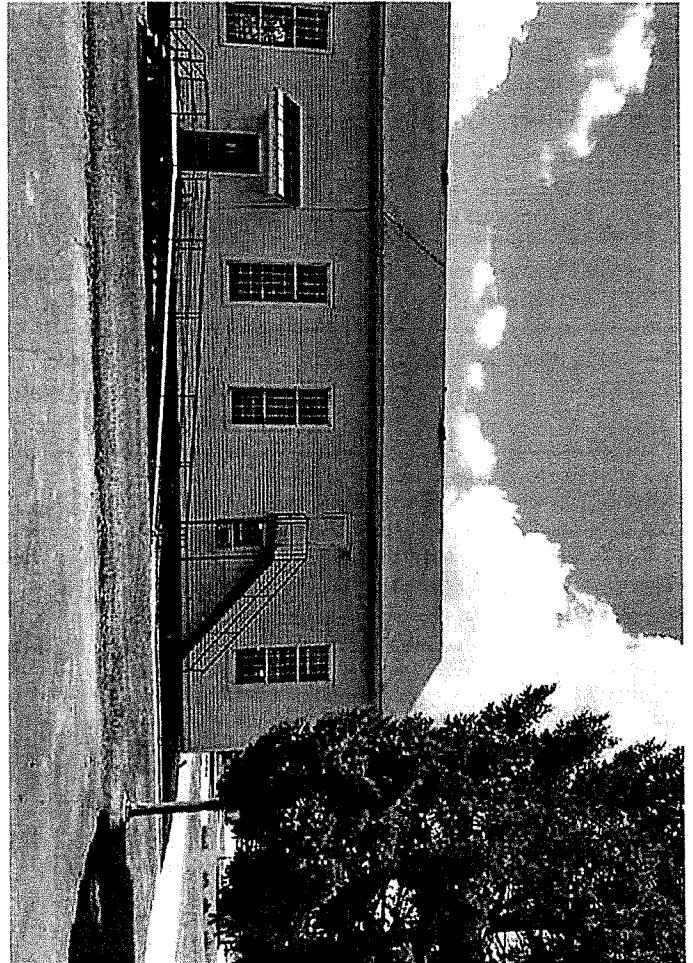
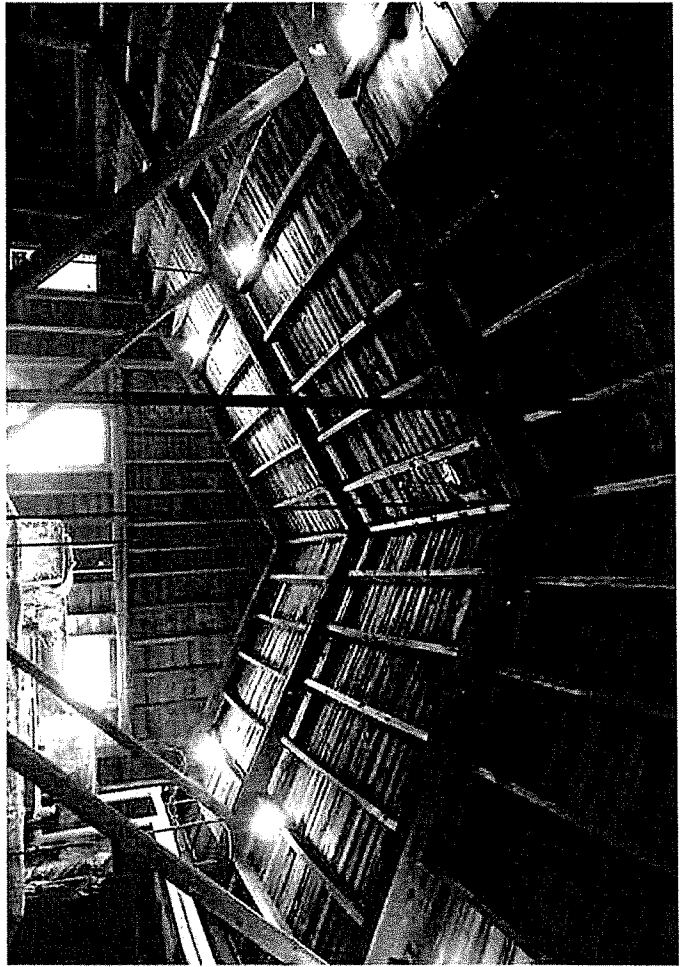
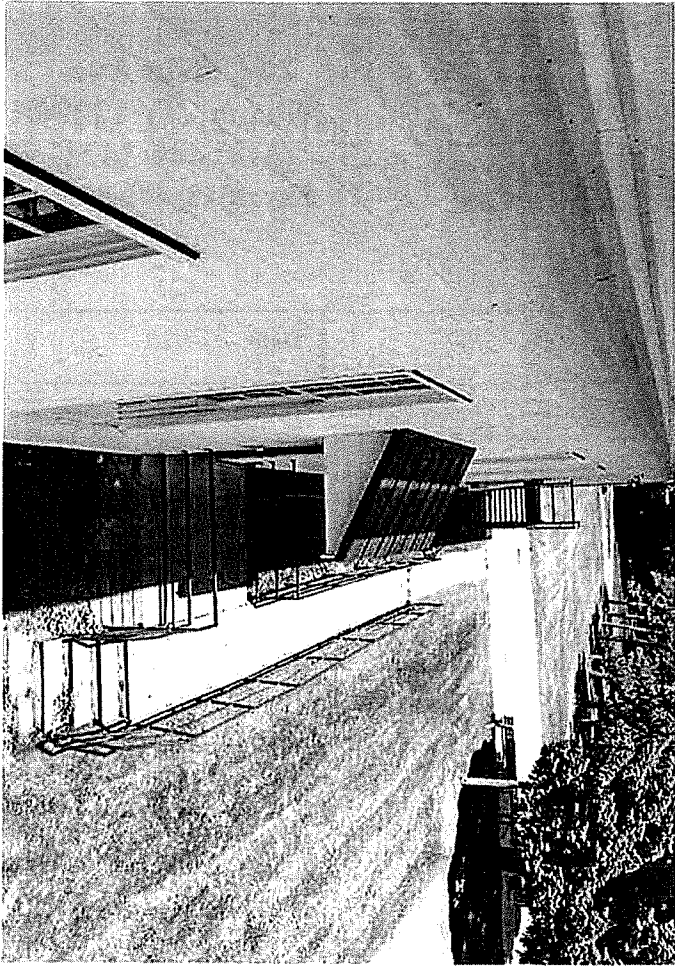
Note: This proposal may be withdrawn by us if not accepted within **21** days.

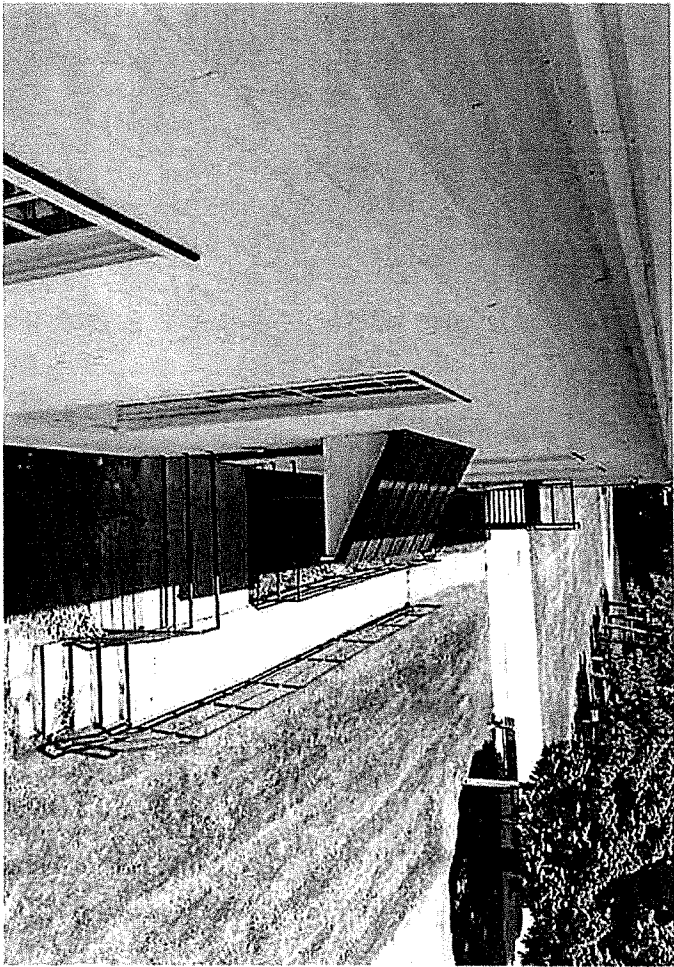
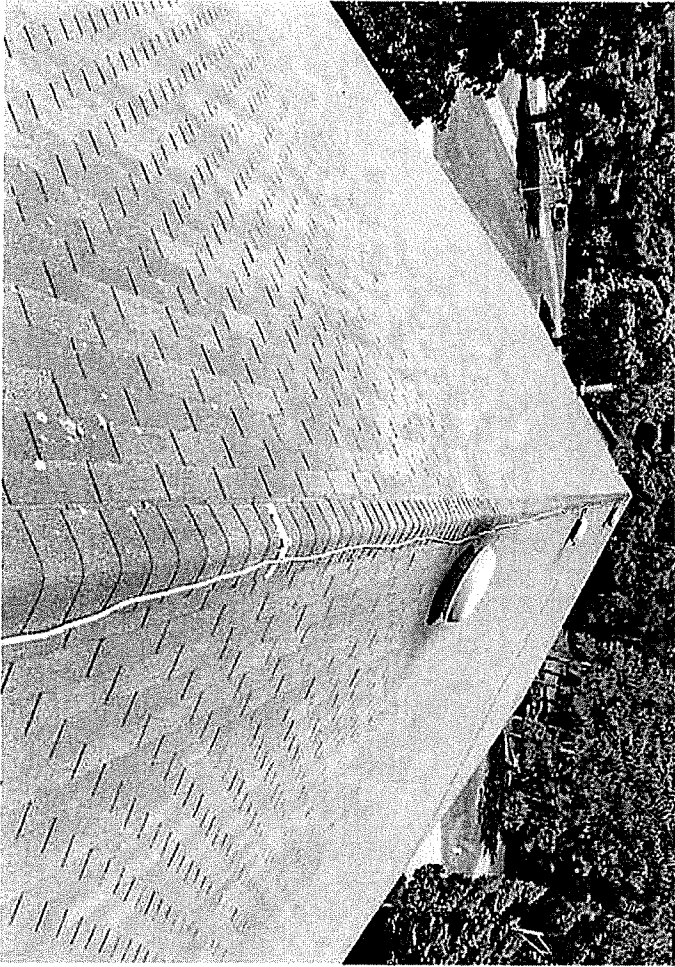
ACCEPTANCE OF PROPOSAL – The above process, specifications and conditions are satisfactory and hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above. In the event of default (non-payment) I agree that I will be responsible for all reasonable collection, court and attorney costs incurred in collecting this debt. I also agree a finance charge of 18% will be assessed on all delinquent balances.

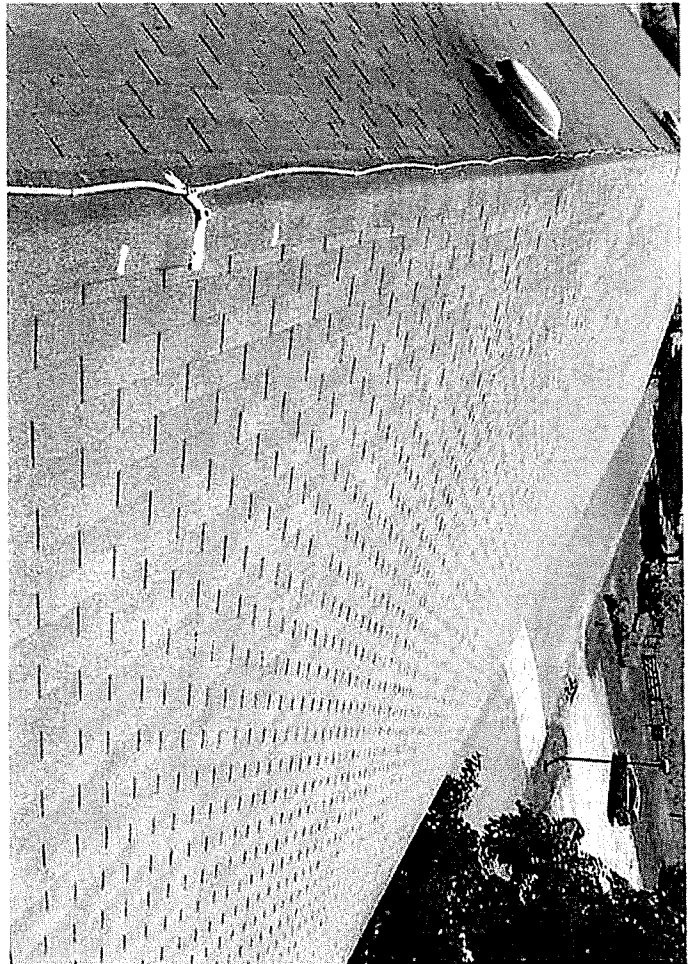
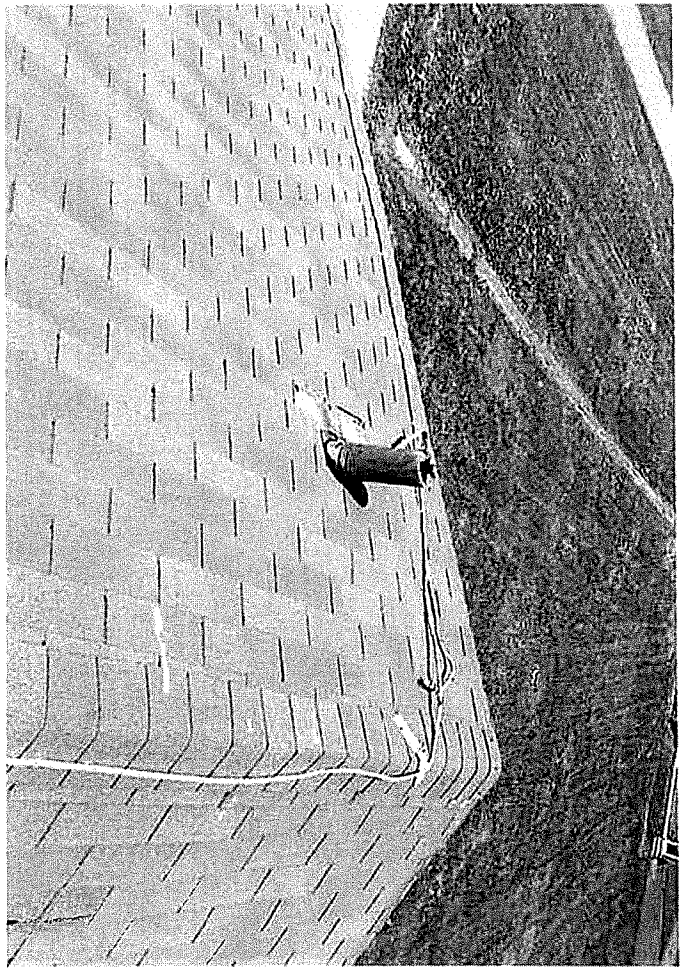
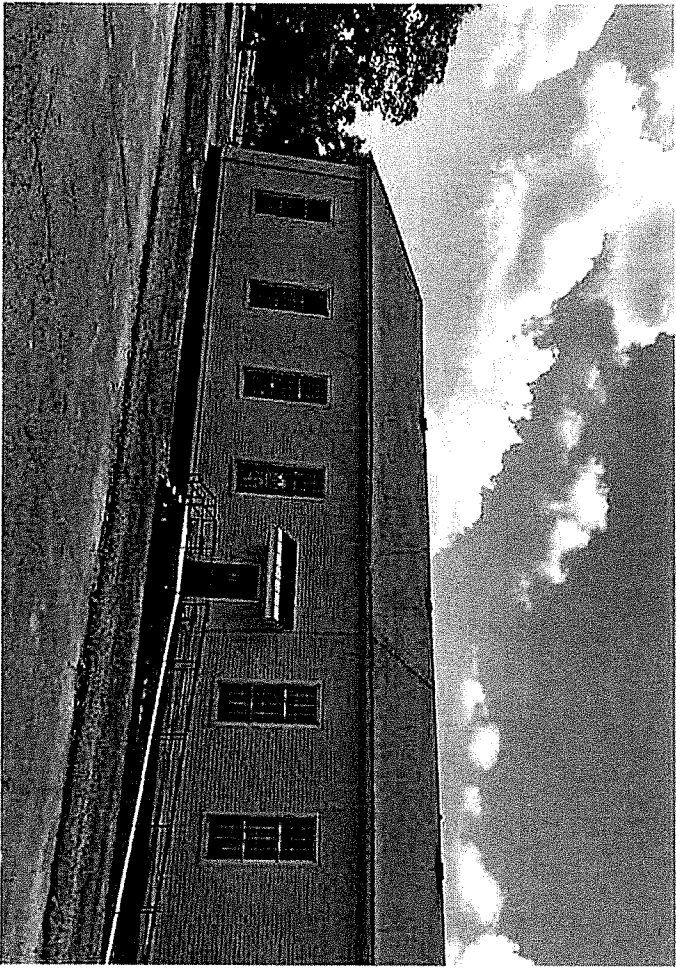
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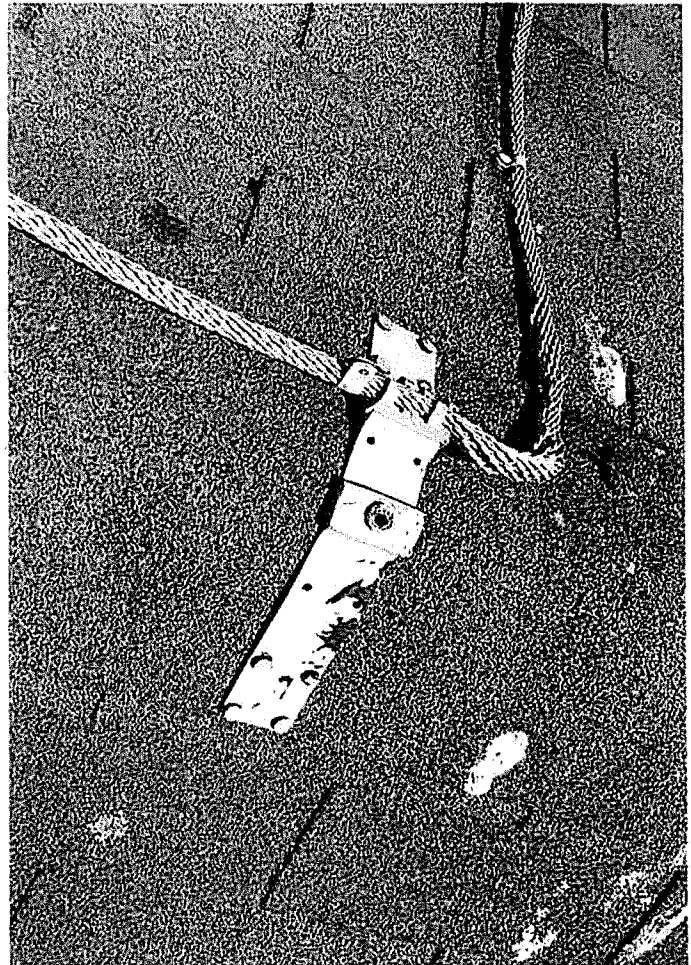
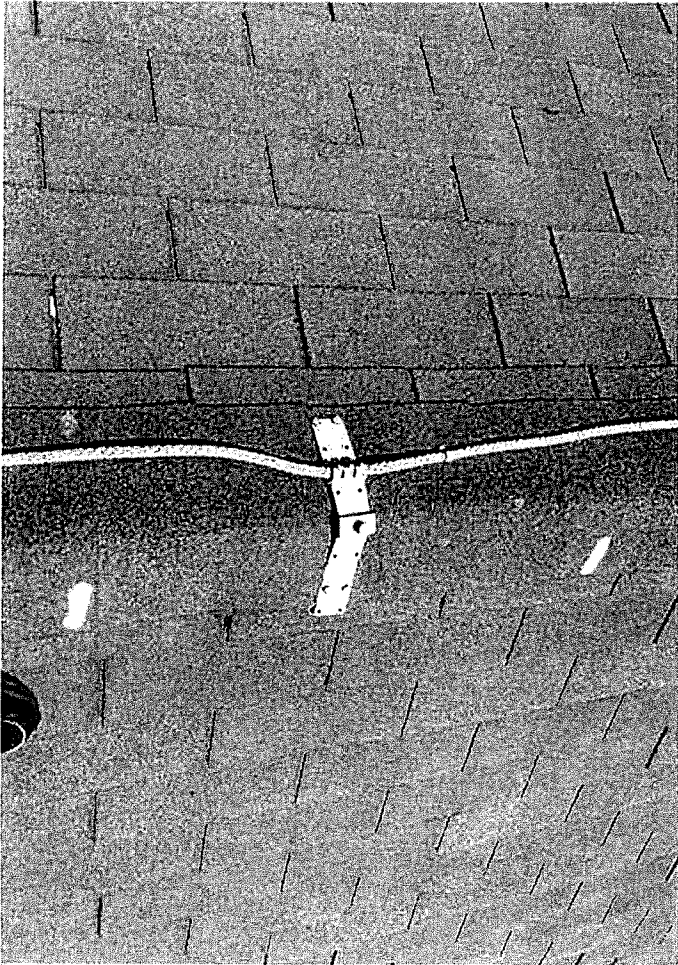
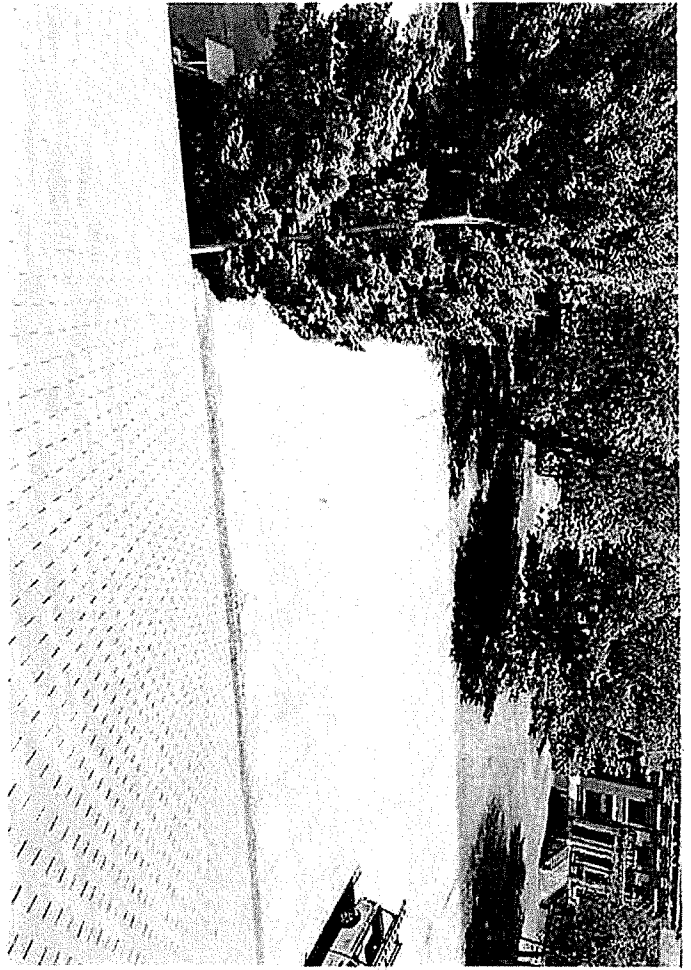
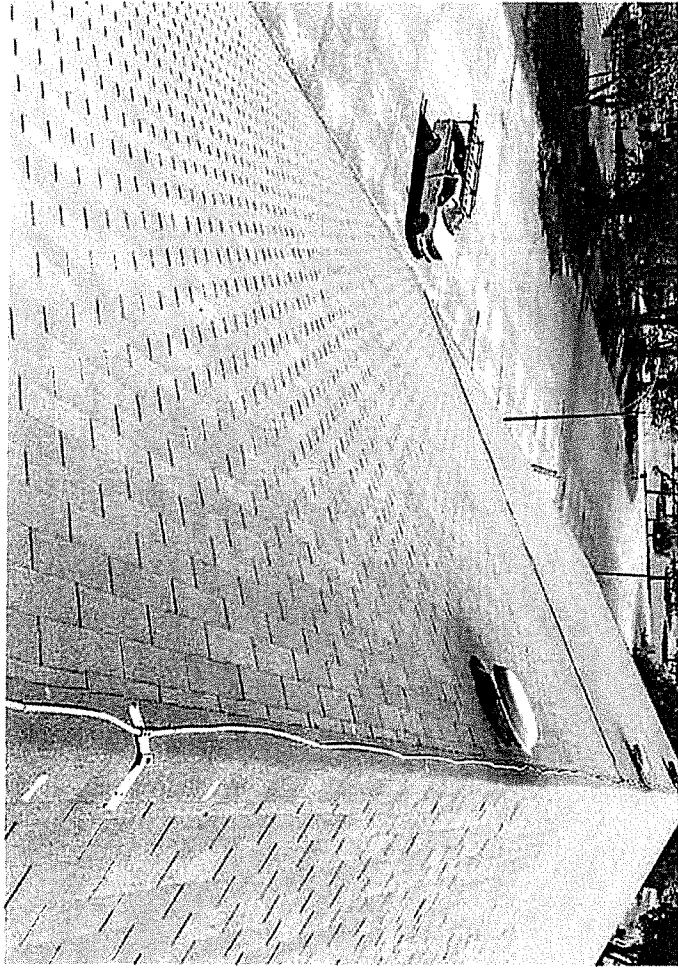
Signature: _____

Date of Acceptance:











January 27, 2022

Jeffrey Eisenhauer, CEM
Project Developer, Distributed Energy Systems
SIEMENS Smart Infrastructure

Albany Radar Tower Site Carbon Sequestration Analysis

LaBella performed an existing tree inventory on January 12 and 13, 2022 to determine the effects and conduct a carbon sequestration analysis for the Albany Radar Tower Site located in the Town of Colonie, Albany County, New York. The Study Area consisted of 4.8 acres (See Appendix 1 for a map of the Study Area).

The Study Area was broken into 12 prevalent vegetation areas. LaBella had a licensed landscape architect conduct a field inventory of existing vegetation, identifying the dominant species, determining the approximate average tree size (DBH), and estimating the average canopy height for each of the prevalent vegetation areas (See Appendix 2 for a table of the existing tree inventory). There was a total of 1,729 trees identified within the Study Area. The most common species identified were black locust (*Robinia pseudoacacia*), oak spp. (*Quercus spp.*), and maple spp. (*Acer spp.*). 72.3 percent of the trees were less than six inches in diameter.

LaBella utilized the U.S. Department of Agriculture's Forest Service i-Tree Eco tool to conduct the carbon sequestration analysis, which is commonly accepted by NYS Department of Environmental Conservation for community forest management. This analysis attempts to approximate the flux in CO₂ sequestration capacity that is due to the anticipated tree clearing and new plantings from the proposed solar array project.

The following table provides an assessment of the current vegetation function and value within the Study Area:

Function	Value
Carbon Sequestration	6.5 tons (\$1.1 thousand/year)
Pollution Removal	346.5 pounds/year (\$495/year)
Carbon Storage	200.7 tons (\$34.2 thousand)
Oxygen Production	17.3 tons/year
Avoided Runoff	12.9 thousand cubic feet/year (\$863/year)

Respectfully submitted,
LaBella Associates

Jay Kaminski, MS
Environmental Renewable Analyst



**APPENDIX 1:
EXISTING TREE INVENTORY STUDY AREA**



**APPENDIX 2:
EXISTING TREE INVENTORY TABLE**

Date 1/12 and 1/13/22
Area covered: 4.8 ac.

Project: 2212336

S, E, N of Albany Radar at Rt 155

tree size	1	2	3	4	5	6
1"	5 locust	14 locust	42 locust	19 locust	1"	1 locust
2"	12 locust	8 locust	34 locust	21 locust	2"	2 locust
3"		2 ash		2 ash	3"	3 ash
4"	10 locust	10 locust	19 locust	27 locust	4"	4 ash
4"	6 locust	15 locust	12 locust	23 locust	5"	5 locust
4"	1 apple	2 ash		3 ash	6"	6 locust
4"	4 cherry	4"		3 cherry	7"	7 locust
5"	12 locust	14 locust		22 locust	8"	8 locust
5"	2 cherry	5"		2 cherry	8"	8 locust
6"	8 locust	10 locust		22 locust	8"	8 locust
6"	3 ash	2 ash		3 cherry	8"	8 locust
7"	11 locust	2 locust		15 locust	8"	8 locust
7"	1 cherry	7"		2 cherry	8"	8 locust
8"	7 locust	12 locust		16 locust	8"	8 locust
8"	4 ash			1 birch	8"	8 locust
9"	10 locust			4 cherry	8"	8 locust
10"	14 locust	9 locust		8 locust	9"	9 locust
10"	1 cherry	17 locust		11 locust	10"	10 locust
12"	14	10 locust		3 maple	10"	10 locust
14"	11			2 maple	12"	12 locust
16"	4				12"	12 locust
18"	5				14"	14 locust
20"	6				14"	14 locust
24"	2				16"	16 locust
26"					18"	18 locust
28"	1				20"	20 locust
30"					20"	20 locust
34"					24"	24 locust
36"					26"	26 locust
42					28"	28 locust
48					30"	30 locust
					34"	34 locust
					36"	36 locust
					42	42 locust
					48	48 locust
	154	129	107	213	180	117

primary type locust
avg. hgt 50'

locust/ash 40'

locust 15'

ash/maple/locust 40'

locust 60'

locust/ash 30'

Date 1/12 and 1/13/22
 Area covered: 4.8 ac.

Project: 2212336

S. E. N of Albany Radar at Rt 155

tree size	7	tree size	8	tree size	9	tree size	10	tree size	11	tree size	12	total
1"	41 locust	1"		1"	5 locust	1"	5 locust	1"		1"	6 locust	
2"	245 locust	2"	11 locust	2"	6 oak	2"	20 locust	2"	1 beech	2"	68 locust	
3"	88 locust	3"	30 shad	3"	3 locust	3"	18 oak	3"		3"		
4"	6 locust	4"	15 locust	4"	1 locust	4"	15 oak	4"		4"	60 locust	
4"		4"		4"		4"	5 locust	4"		4"		
4"		4"		4"		4"		4"		4"		
5"	4 locust	5"		5"	1 locust	5"	8 locust	5"	2 cherry	5"		
5"		5"		5"		5"	12 oak	5"		5"		
6"	1 locust	6"	2 maple	6"	1 maple	6"	7 maple	6"	1 oak	6"		
6"		6"		6"		6"	5 locust	6"		6"		
7"	1 locust	7"		7"	2 oak	7"	6 locust	7"	2 oak	7"		
7"		7"		7"		7"	3 oak	7"	1 pine	7"		
8"		8"	2 pine	8"	4 oak	8"	9 locust	8"	2 pine	8"		
8"		8"		8"		8"	12 oak	8"		8"		
8		8		8		8	5 maple	8		8		
9"	2 cherry	9"	1 maple	9"	2 maple	9"	8 oak	9"		9"		
10"		10"	1 pine	10"	1 poplar	10"	6 oak	10"	1 oak	10"		
10"		10"		10"		10"	4 maple	10"		10"		
12"	1 apple	12"		12"	1	12"	4 locust	12"	1 pine	12"		
14"		14"		14"		14"	2 oak	14"		14"		
16"		16"		16"	2	16"	8 oak	16"	1 pine	16"		
18"	1 pine	18"		18"		18"	3 oak	18"		18"		
20"		20"		20"		20"	6 oak	20"		20"		
24"		24"		24"		24"	1 maple	24"		24"		
26"		26"		26"		26"	2 oak	26"	1 pine	26"		
28"		28"		28"		28"	2 oak	28"		28"		
30"		30"		30"	1	30"		30"		30"		
34"		34"		34"	2	34"		34"		34"		
36"		36"		36"		36"	1 pine	36"		36"		
42		42		42		42	1 pine	42		42		
48		48		48		48		48		48		
	390 locust 15'		62 shad/pine 30'		32 oak 50'		195 oak 50'		16 pine 80'		134 locust 15'	1729

NOT FOR CONSTRUCTION

It is a violation of New York Education Law Article 145
 to use this drawing for any purpose other than that
 intended. It is the responsibility of the user of this
 drawing to make all forms in any way, or in connection
 with the use of this drawing, conform to the latest
 edition of the applicable codes and regulations. The
 design professional, engineer, or architect shall
 be responsible for the accuracy and date of such
 information, and a specific
 description of the situation.

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SIEMENS
 6 BIRCHWOOD ROAD
 LATHAM, NY 12110

SIEMENS

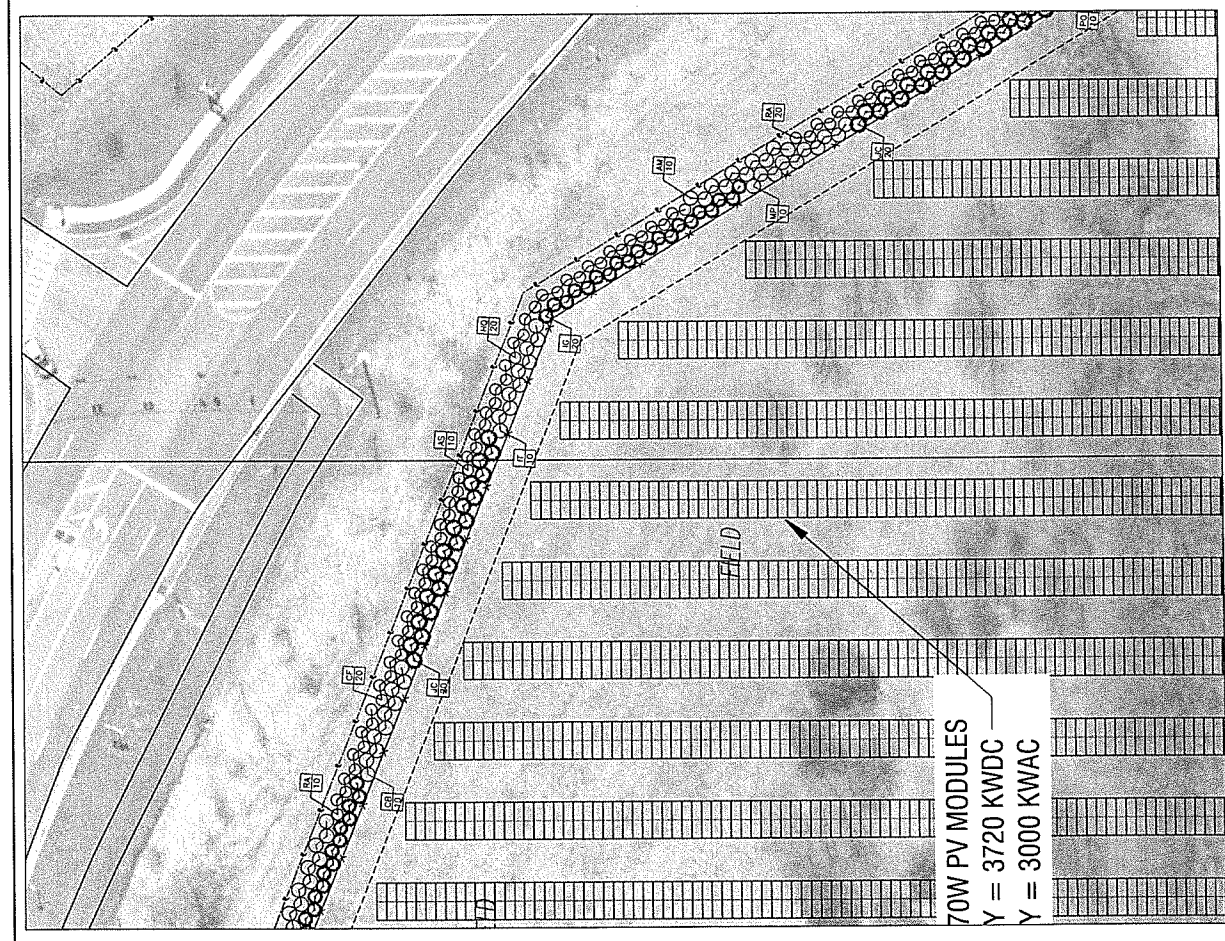
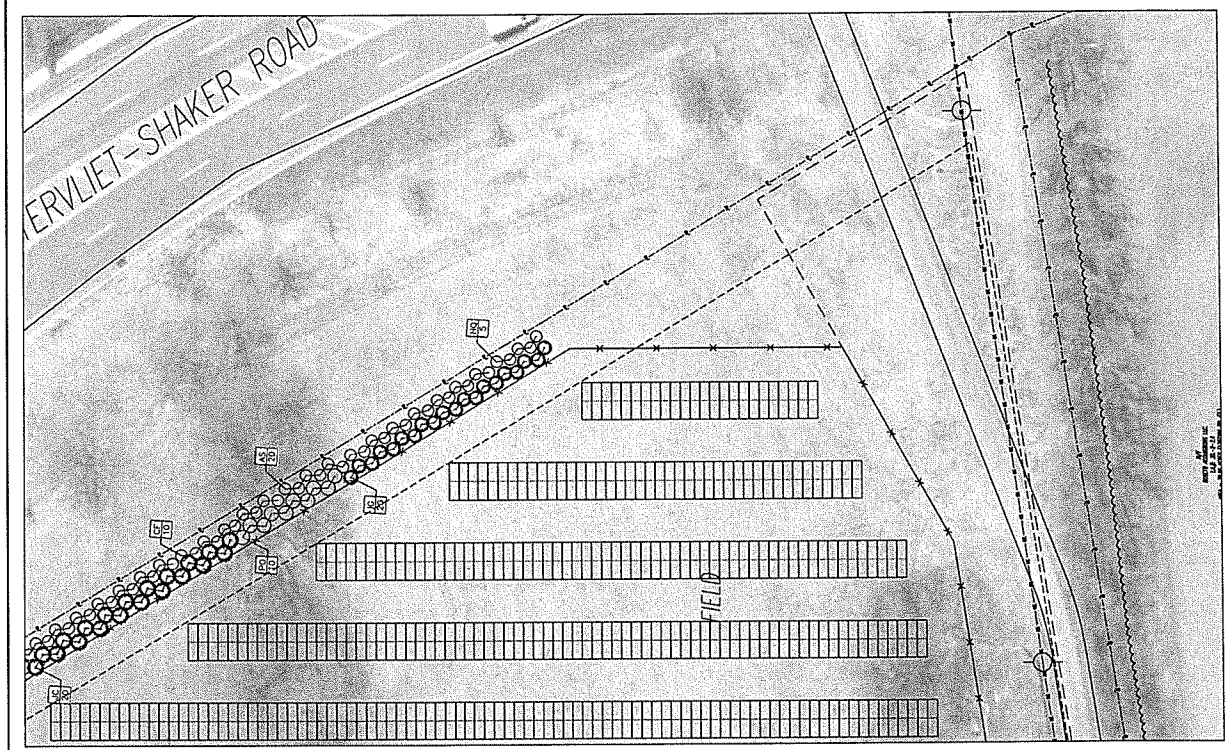
ALBANY RADAR TOWER SOLAR
 925 WATERLIET SHAKER ROAD

NO.	DATE	DESCRIPTION
PROJECT NUMBER	211235	
DRAWN BY	LAF	
REVIEWED BY	DDM	
REVISION	REVIEW	
DATE	01/23/2022	
TOWER/PAVE		

LANDSCAPE PLAN

2021/01/23

L101



1 LANDSCAPE PLAN ENLARGEMENT 'CSD'
 SCALE 1" = 20'

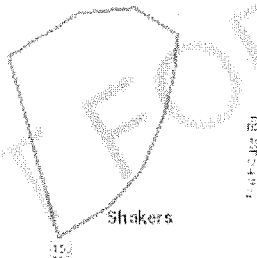
IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Albany County, New York



Local office

New York Ecological Services Field Office

☎ (607) 753-9334

📠 (607) 753-9699

3817 Luker Road
Cortland, NY 13045-9385

<http://www.fws.gov/northeast/nyfo/es/section7.htm>

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act requires Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries for species under their jurisdiction](#).

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME

STATUS

Northern Long-eared Bat *Myotis septentrionalis*

Threatened

Wherever found

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/9045>

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act of 1918](#).
2. The [Bald and Golden Eagle Protection Act of 1940](#).

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern \(BCC\)](#) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the [FAQ below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

Bald Eagle *Haliaeetus leucocephalus*

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

<https://ecos.fws.gov/ecp/species/1626>

Breeds Dec 1 to Aug 31

Black-billed Cuckoo *Coccyzus erythrophthalmus*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9399>

Breeds May 15 to Oct 10

Bobolink *Dolichonyx oryzivorus*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds May 20 to Jul 31

Canada Warbler *Cardellina canadensis*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds May 20 to Aug 10

Cerulean Warbler *Dendroica cerulea*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/2974>

Breeds Apr 20 to Jul 20

Dunlin *Calidris alpina arcticola*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Breeds elsewhere

Eastern Whip-poor-will <i>Antrostomus vociferus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Aug 20
Lesser Yellowlegs <i>Tringa flavipes</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Prairie Warbler <i>Dendroica discolor</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Jul 31
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10
Semipalmated Sandpiper <i>Calidris pusilla</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
Short-billed Dowitcher <i>Limnodromus griseus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9480	Breeds elsewhere
Snowy Owl <i>Bubo scandiacus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be

used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season ()

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

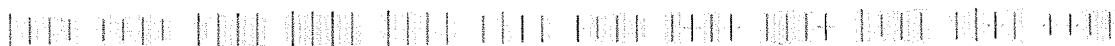
Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

probability of presence
 breeding season
 survey effort
 no data

SPECIES JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

Bald Eagle
 Non-BCC
 Vulnerable (This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.)



Black-billed Cuckoo
 BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



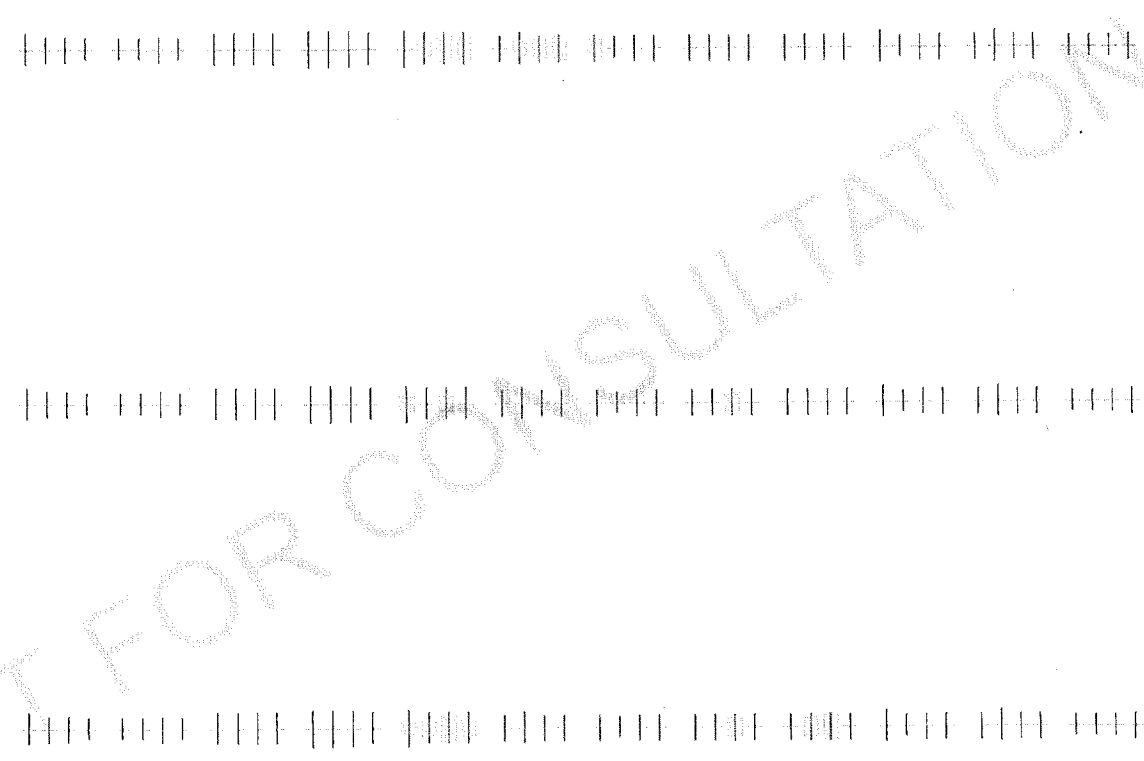
Bobolink
 BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



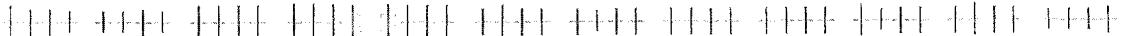
Canada Warbler
 BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Cerulean Warbler
 BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



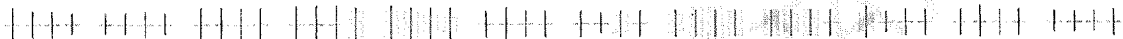
Dunlin
 BCC - BCR (This is a
 Bird of
 Conservation
 Concern (BCC) only
 in particular Bird
 Conservation
 Regions (BCRs) in
 the continental
 USA)



Eastern Whip-
 poor-will
 BCC Rangewide
 (CON) (This is a
 Bird of
 Conservation
 Concern (BCC)
 throughout its
 range in the
 continental USA
 and Alaska.)



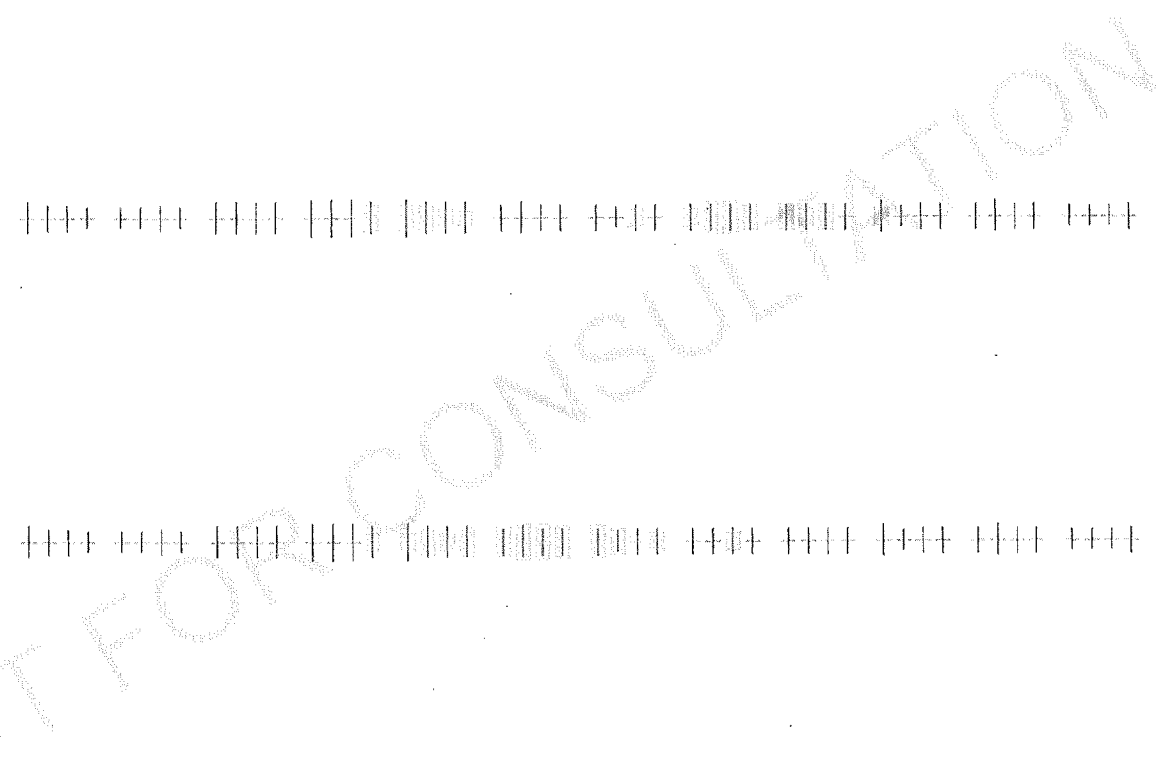
Lesser Yellowlegs
 BCC Rangewide
 (CON) (This is a
 Bird of
 Conservation
 Concern (BCC)
 throughout its
 range in the
 continental USA
 and Alaska.)



Prairie Warbler
 BCC Rangewide
 (CON) (This is a
 Bird of
 Conservation
 Concern (BCC)
 throughout its
 range in the
 continental USA
 and Alaska.)



Red-headed
 Woodpecker
 BCC Rangewide
 (CON) (This is a
 Bird of
 Conservation
 Concern (BCC)
 throughout its
 range in the
 continental USA
 and Alaska.)



Semipalmated Sandpiper
 BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Short-billed Dowitcher
 BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



SPECIES

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

Snowy Owl
 BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Wood Thrush
 BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures or permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern \(BCC\)](#) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review.

Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

Wildlife refuges and fish hatcheries

REFUGE AND FISH HATCHERY INFORMATION IS NOT AVAILABLE AT THIS TIME

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

THERE ARE NO KNOWN WETLANDS AT THIS LOCATION.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.