



Service Layer Credits: Source: Esri,
DigitalGlobe, GeoEye, i-cubed,
Earthstar Geographics, CNES/Airbus
DS, USDA, USGS, AEX, Getmapping,

0 0.25 0.5
Miles



NEW YORK



Project
Location

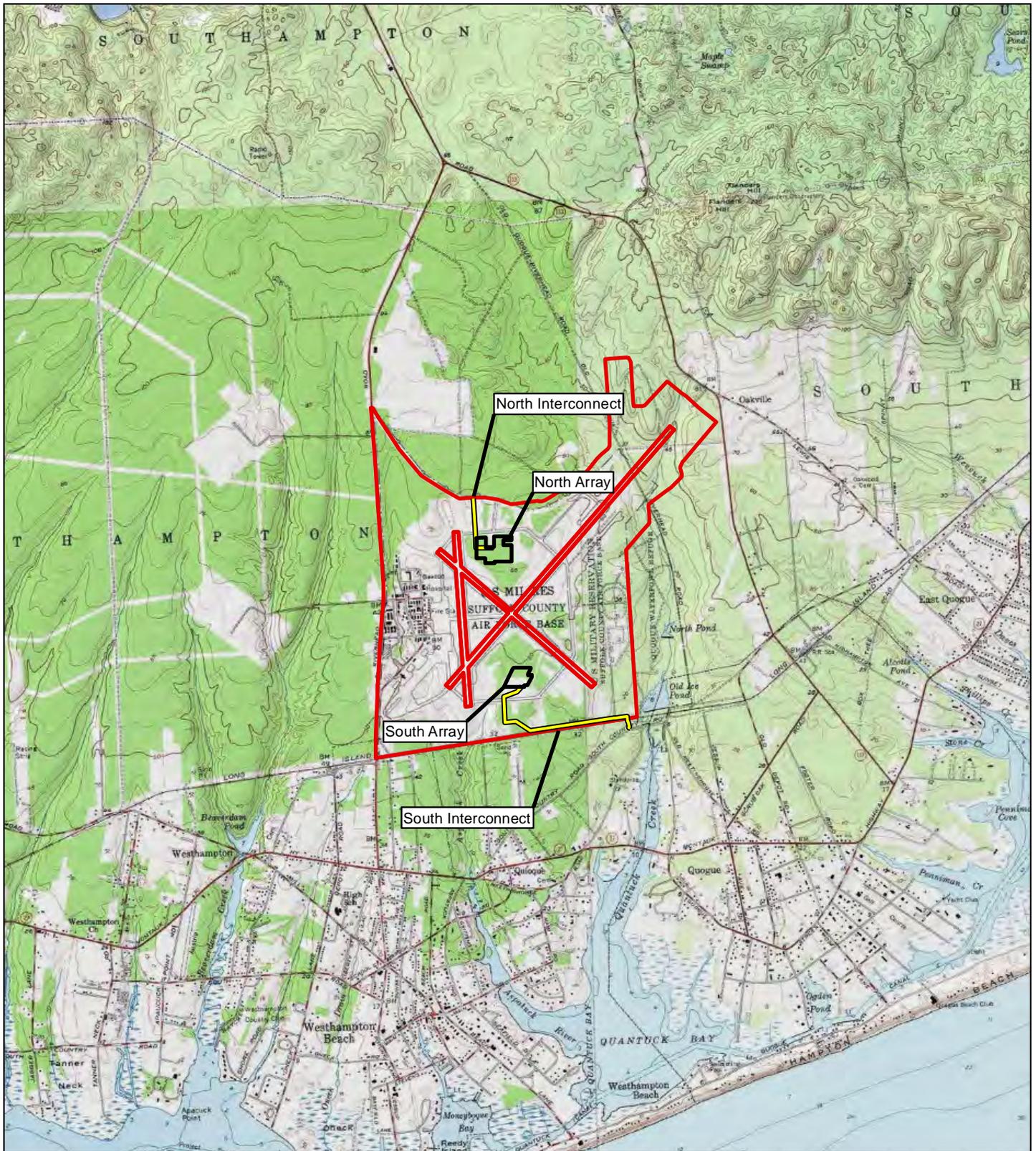


1430 Broadway
New York, NY 10018
212-221-7822

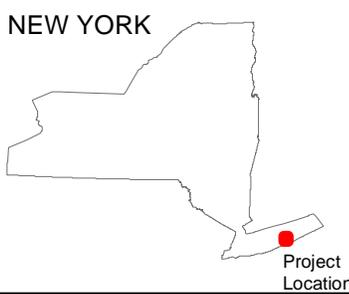
**SITE LOCATION ON
AERIAL PHOTOGRAPH
SUNEDISON GABRESKI AIRPORT
SOLAR INSTALLATION PROJECT
TOWN OF SOUTHAMPTON, NY**

FIGURE 1

JULY 2015



-  Approximate Location of Solar Modules
-  Interconnect Route
-  Approximate Airport Boundary



 1430 Broadway
New York, NY 10018
212-221-7822

**SITE LOCATION ON UNITED STATES
GEOLOGIC SURVEY MAP**
**SUNEDISON GABRESKI AIRPORT
SOLAR INSTALLATION PROJECT**
TOWN OF SOUTHAMPTON, NY

Service Layer Credits:
Copyright: © 2013 National
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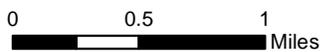
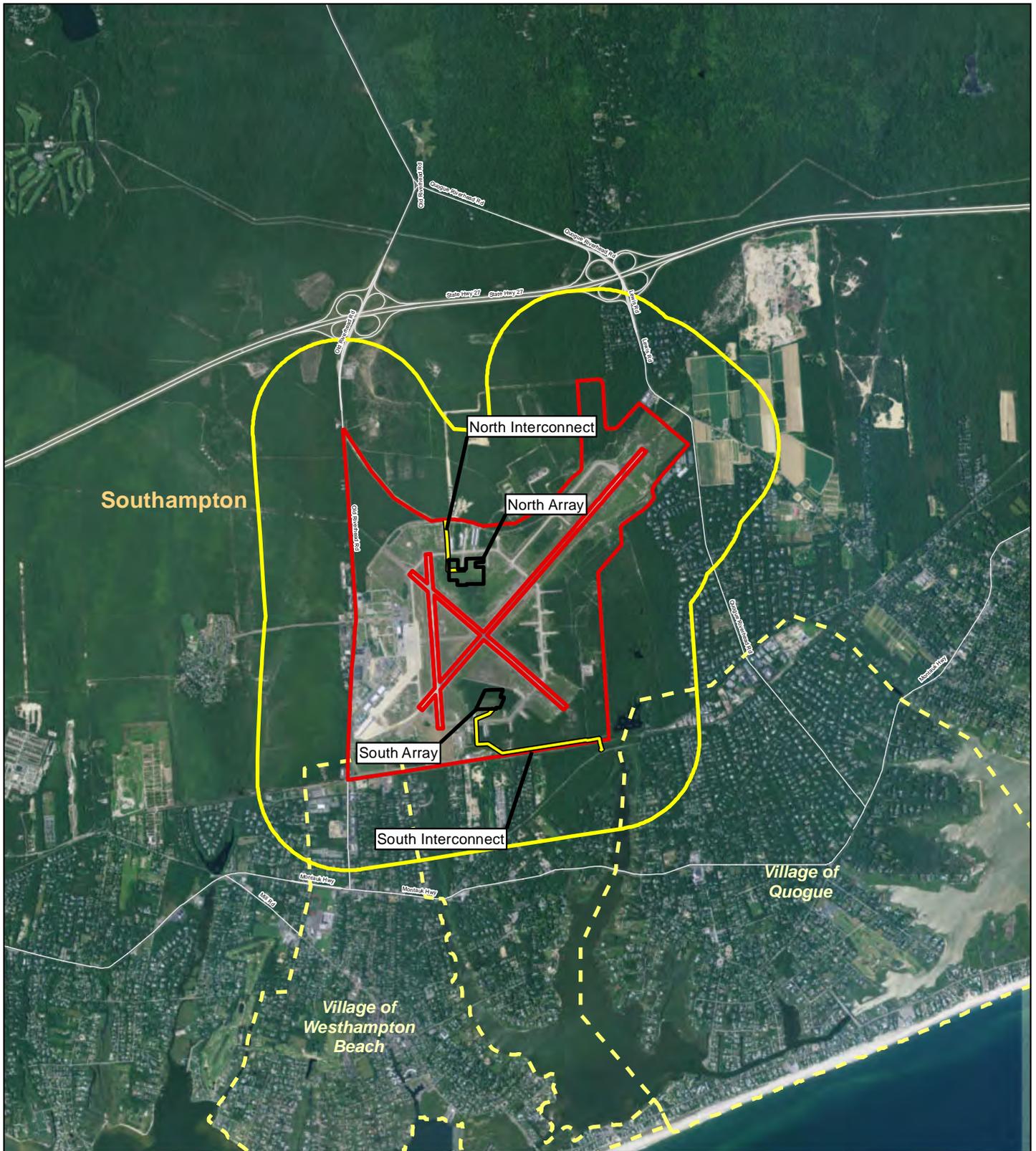
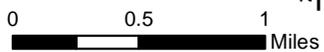


FIGURE 2 **JULY 2015**

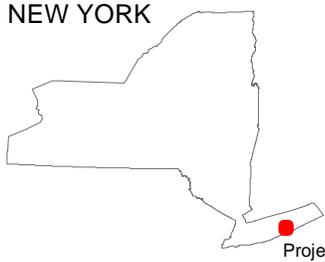


- Approximate Location of Solar Modules
- Interconnect Route
- Half-Mile Site Buffer
- Village Boundaries
- NYS Roads

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



NEW YORK



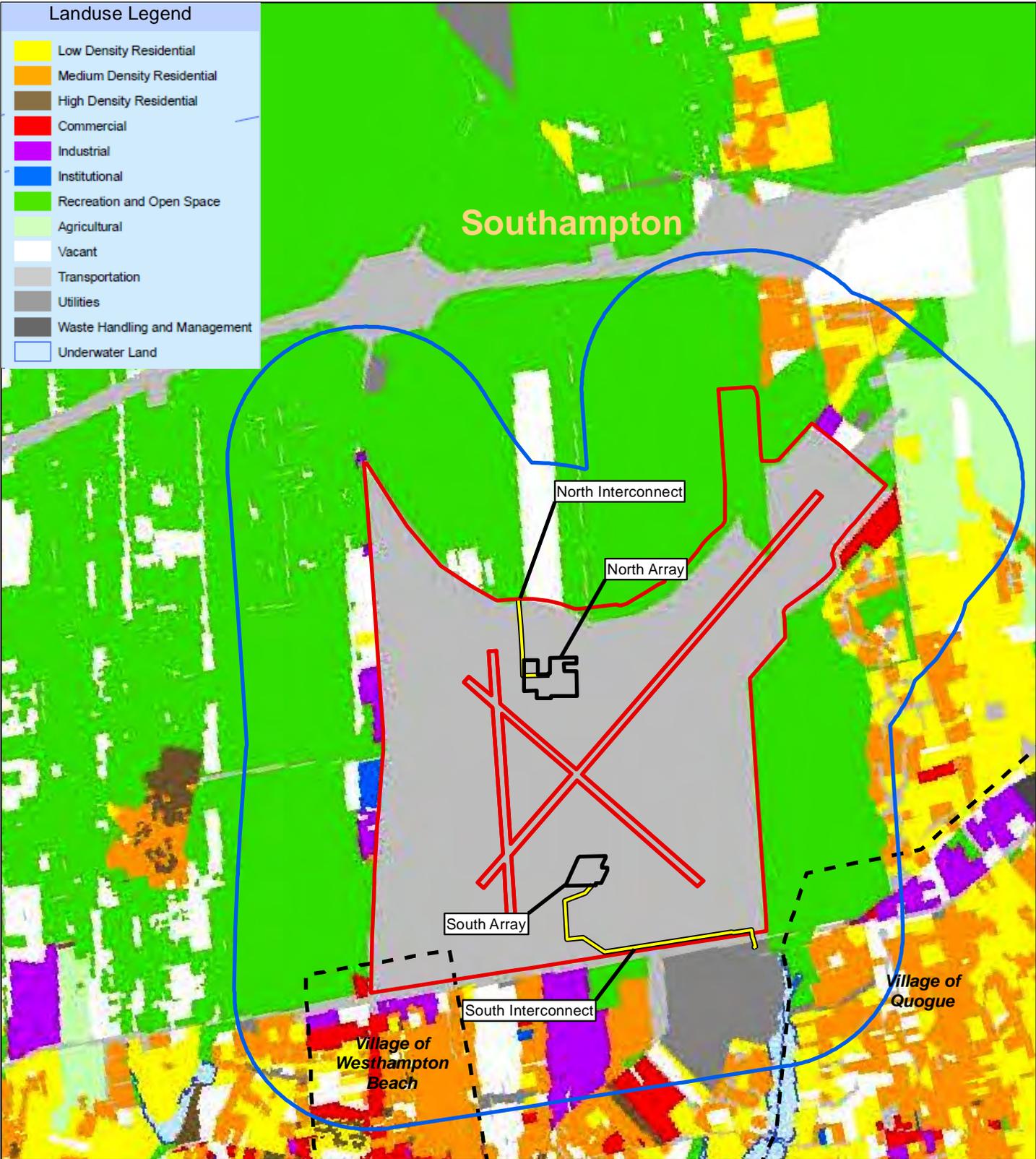
Project Location

1430 Broadway
New York, NY 10018
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SITE LOCATION ON AERIAL PHOTOGRAPH
SUNEDISON GABRESKI AIRPORT SOLAR INSTALLATION PROJECT
TOWN OF SOUTHAMPTON, NY

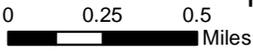
FIGURE 3

JULY 2015



- Approximate Location of Solar Modules
- Interconnect Route
- Half-Mile Airport Buffer
- - - Village Boundaries

Source Data: Suffolk County, New York, 2007



TRC 1430 Broadway
New York, NY 10018
212-221-7822

**EXISTING SUFFOLK COUNTY
LANDUSE MAP**
**SUNEDISON GABRESKI AIRPORT
SOLAR INSTALLATION PROJECT**
TOWN OF SOUTHAMPTON, NY

FIGURE 4 **JULY 2015**



-  Approximate Location of Solar Modules
-  Interconnect Route
-  Approximate Airport Boundary
-  Village Boundaries
-  NYS Roads

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



NEW YORK



Project Location

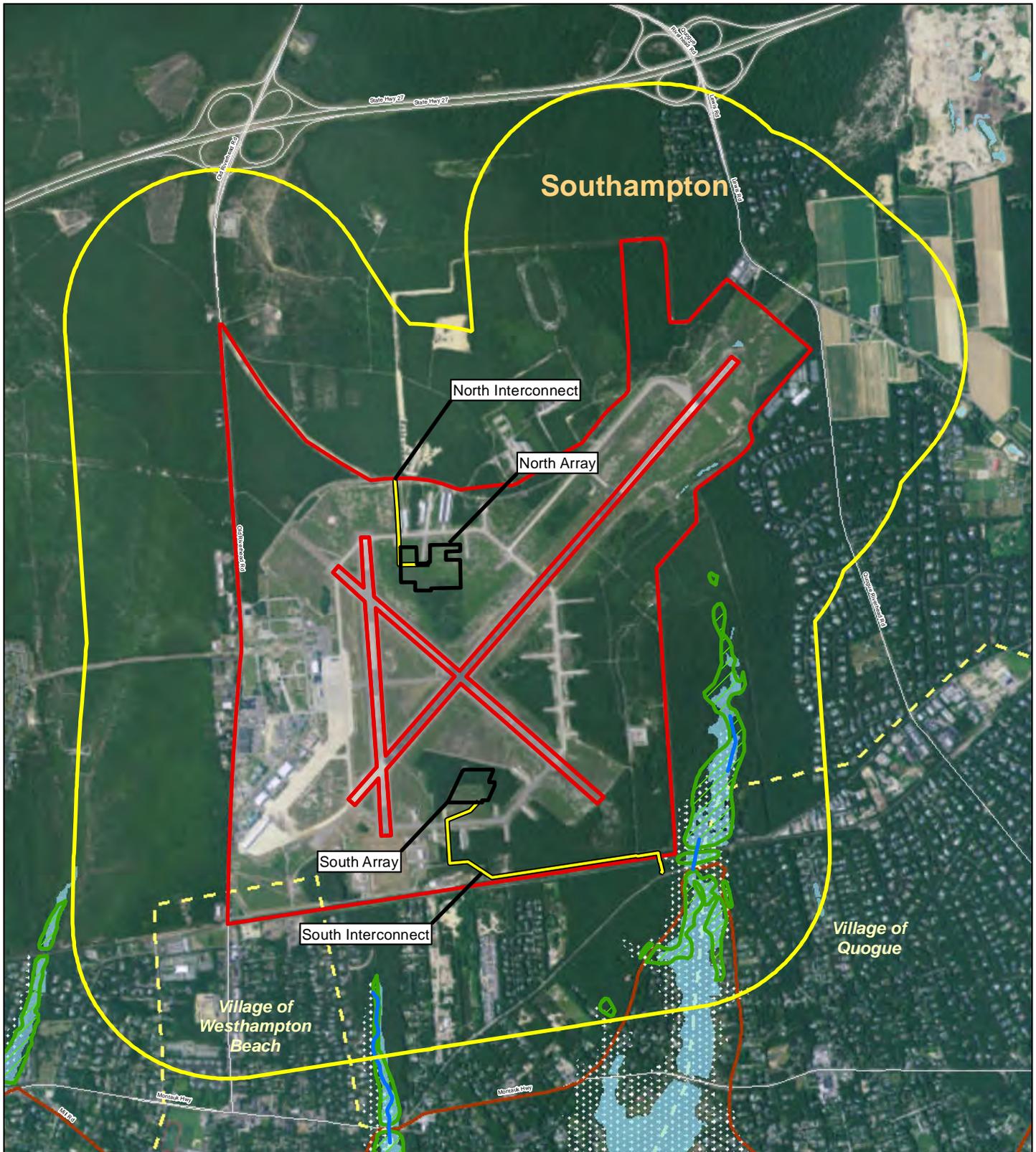


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**ROAD NETWORK
FOR AIRPORT ACCESS
SUNEDISON GABRESKI AIRPORT
SOLAR INSTALLATION PROJECT
TOWN OF SOUTHAMPTON, NY**

FIGURE 6

JULY 2015

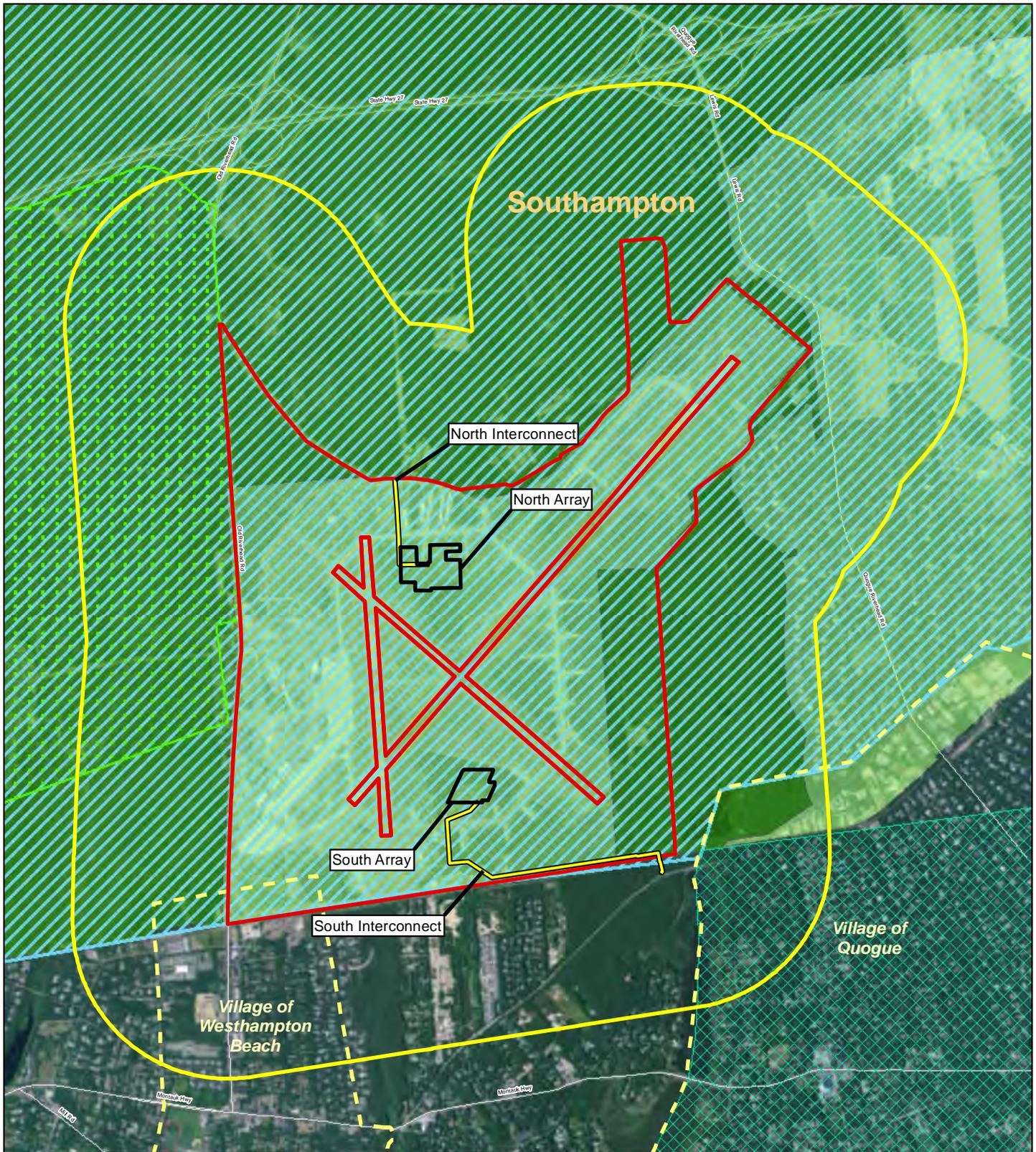


<ul style="list-style-type: none"> Approximate Location of Solar Modules Interconnect Route Half-Mile Airport Buffer Village Boundaries NYS Roads Hydrography NYS DEC Wetland NWI Wetland 100-Year Flood Zone Coastal Zone Boundary 	<p>Source Data: NYS Department of Environmental Conservation, NYS Department of State, National Wetlands Inventory, Federal Emergency Management Agency,</p> <p>Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Geomatics, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community</p>
<p>0 0.25 0.5 Miles</p>	<p>NEW YORK</p> <p>Project Location</p>

NEW YORK

Project Location

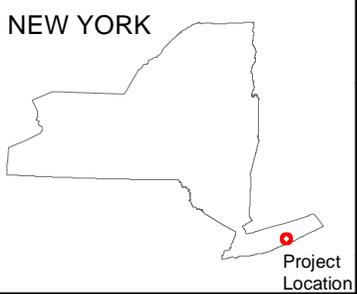
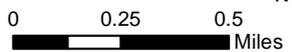
	<p>1430 Broadway New York, NY 10018 212-221-7822</p>
<p>WETLANDS AND WATERWAYS SUNEDISON GABRESKI AIRPORT SOLAR INSTALLATION PROJECT TOWN OF SOUTHAMPTON, NY</p>	
<p>FIGURE 7</p>	<p>JULY 2015</p>



- Approximate Location of Solar Modules
- Interconnect Route
- Half-Mile Airport Buffer

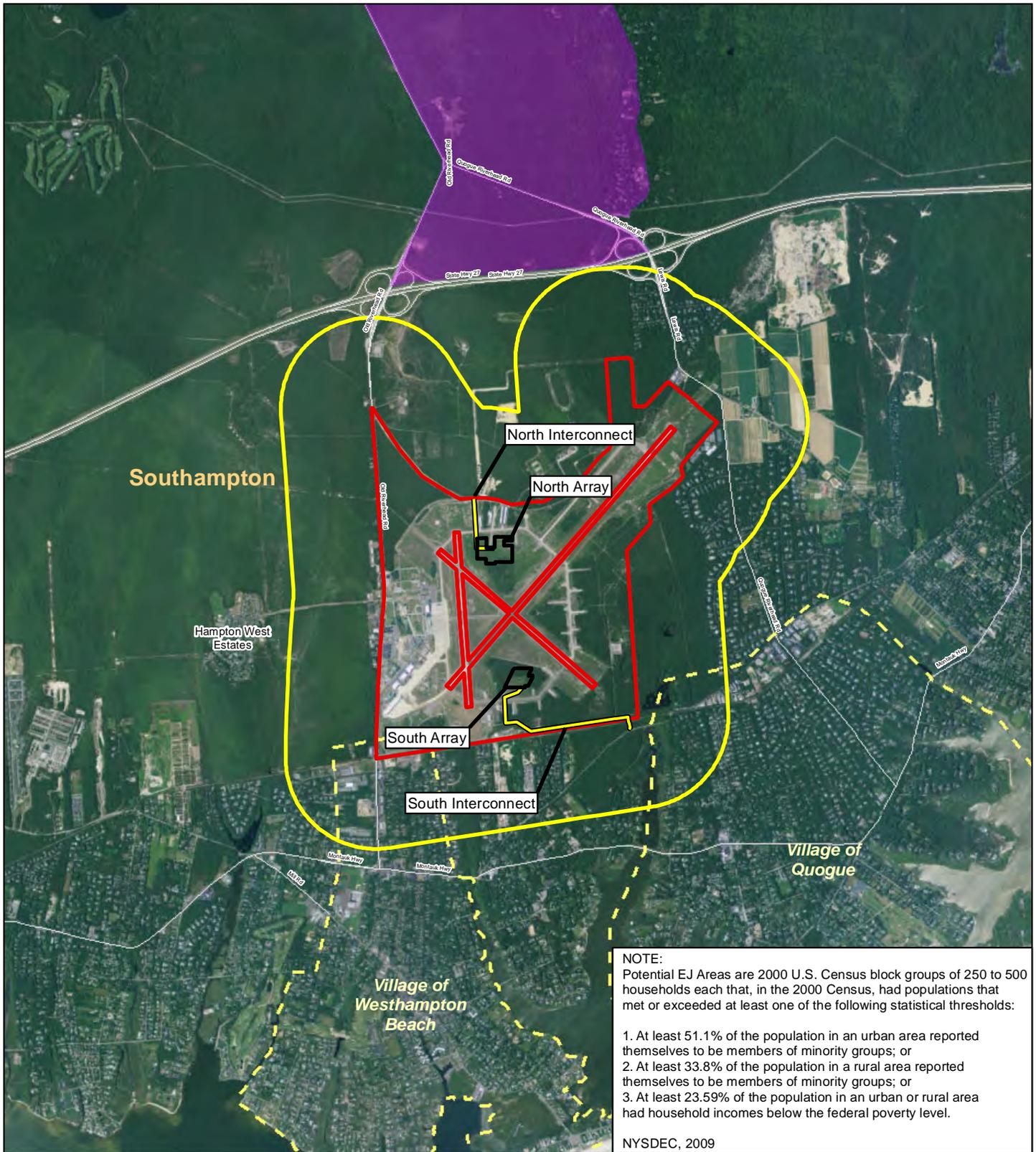
- Critical Environmental Areas**
- Aquifer Protection Overlay District and Central Suffolk Special Groundwater Protection Area
 - Dwarf Pine Forest
 - Tidal Wetlands

- Central Pine Barrens**
- Core Preservation Area
 - Compatible Growth Area
 - Village Boundaries
 - NYS Roads



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**CRITICAL ENVIRONMENTAL AREAS
SUNEDISON GABRESKI AIRPORT
SOLAR INSTALLATION PROJECT
TOWN OF SOUTHAMPTON, NY**

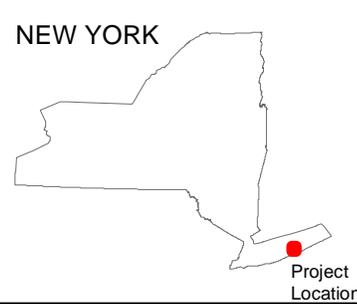
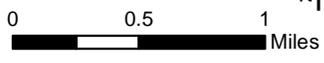


NOTE:
 Potential EJ Areas are 2000 U.S. Census block groups of 250 to 500 households each that, in the 2000 Census, had populations that met or exceeded at least one of the following statistical thresholds:

1. At least 51.1% of the population in an urban area reported themselves to be members of minority groups; or
2. At least 33.8% of the population in a rural area reported themselves to be members of minority groups; or
3. At least 23.59% of the population in an urban or rural area had household incomes below the federal poverty level.

NYSDEC, 2009

- Approximate Location of Solar Modules
 - Interconnect Route
 - Potential Environmental Justice Area
 - Approximate Airport Boundary
 - Half-Mile Airport Buffer
 - Village Boundaries
 - NYS Roads
- Base Map: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and



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POTENTIAL ENVIRONMENTAL JUSTICE LOCATIONS
SUNEDISON GABRESKI AIRPORT SOLAR INSTALLATION PROJECT
TOWN OF SOUTHAMPTON, NY

FIGURE 9 **JULY 2015**

Attachment 1: Correspondence Regarding Federally-Listed Species and Cultural Resource Consultations

- July 15, 2015 letter to New York State Office of Parks, Recreation, and Historic Preservation
- June 22, 2015 letter from the US Fish & Wildlife Service, Long Island Ecological Field Services Office
- July 31, 2015 letter from the New York State Department of Environmental Conservation



Wannalancit Mills
650 Suffolk St., Suite 200
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.trcsolutions.com

July 15, 2015

Ms. Ruth Pierpont, Deputy Commissioner/Deputy SHPO
New York State Office of Parks, Recreation and Historic Preservation
Historic Preservation Field Services Bureau
Peebles Island Resource Center, PO Box 189
Waterford, NY 12188-0189

**RE: Continuing Consultation: Proposed SunEdison Gabreski Airport Solar Installation Project
Southampton, Suffolk County, New York
OPRHP Review No. 14PR02033**

Dear Ms. Pierpont:

SunEdison has refined the design of the proposed solar installation project (Project) at Gabreski Airport in Southampton, Suffolk County. We initially contacted your agency via a letter dated May 22, 2014 and the response was dated June 14, 2014 (OPRHP Review No. 14PR02033). In your previous review of the Project, it was the State Historic Preservation Officer's (SHPO's) opinion the Project will have No Effect upon cultural resource listed in or eligible for inclusion in the National Register of Historic Places. The letter intends to continue consultation with your agency and convey the refinements to the project design.

SunEdison intends to install a 3 megawatt (MW) AC new ground mounted photovoltaic (PV) solar modules at the airport. The original proposal was 6 MW AC. The solar array locations will still be two separate areas north and south of the runway; however, the total footprint has been reduced and now consists of 25.8 acres with 18.1 acres north of the runways and 7.7 acres south of the runways.

The location and length of the electrical interconnection route has also been refined from the original design. A buried electric conduit will run 1,900 feet on airport property before exiting the airport property and continuing 700 feet to the interconnection point. The south interconnect location is situated approximately 300 feet southeast of airport property on Old Main Road. The conduit will be buried on airport property along an existing road and railroad right-of-way, and then located on existing poles south of the airport to the interconnection point. Figures 1 and 2 show the proposed locations of the two interconnect routes.

TRC Environmental Corporation (TRC) has been retained by SunEdison to provide environmental review and licensing services in support of the project. The purpose of this letter is to continue consultation with your agency in determining potential impacts to cultural resources that could result from the Project. TRC is providing the attached revised figures depicting the changes to the project design.

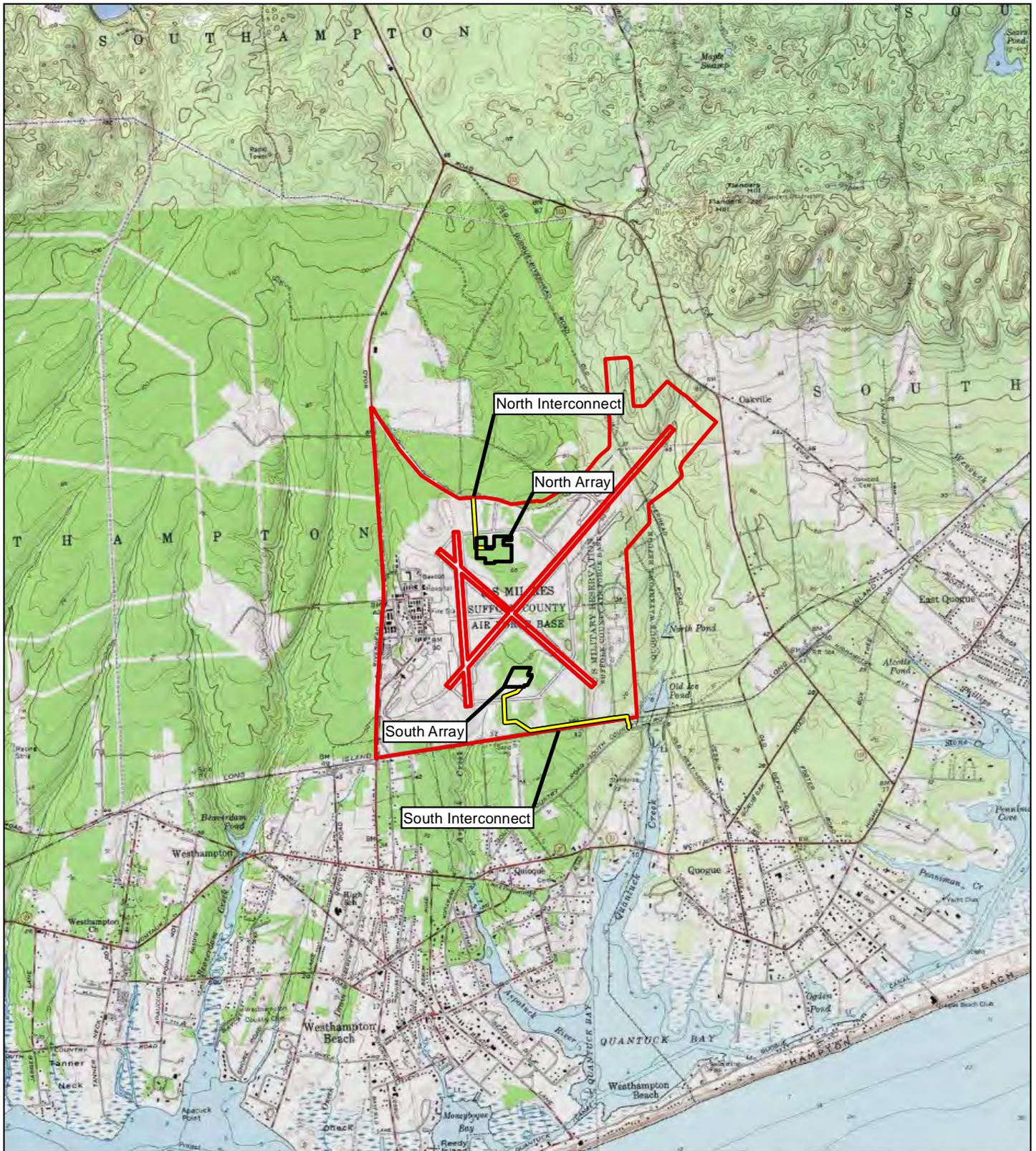
We look forward to receiving your comments regarding the update to the project design. Should you have any questions or require additional information, please do not hesitate to contact Rob Jackson at (978)-656-3609 or rjackson@trcsolutions.com or me at (978) 656-3517 or llefevre@trcsolutions.com

Sincerely yours,

A handwritten signature in blue ink that reads "Laura Lefebvre". The signature is written in a cursive, flowing style.

Laura Lefebvre
Senior Project Manager

cc: Lisa Broughton, Suffolk County Department of Economic Development and Planning
Anthony C. Ceglie, Airport Manager
Jason Funk, SunEdison
Rob Jackson, TRC
Erin Degutis, TRC
Timothy R. Sara, TRC



-  Approximate Location of Solar Modules
-  Interconnect Route
-  Approximate Airport Boundary



NEW YORK



Project Location



1430 Broadway
New York, NY 10018
212-221-7822

**SITE LOCATION ON UNITED STATES
GEOLOGIC SURVEY MAP**

**SUNEDISON GABRESKI AIRPORT
SOLAR INSTALLATION PROJECT
TOWN OF SOUTHAMPTON, NY**

FIGURE 1

JULY 2015

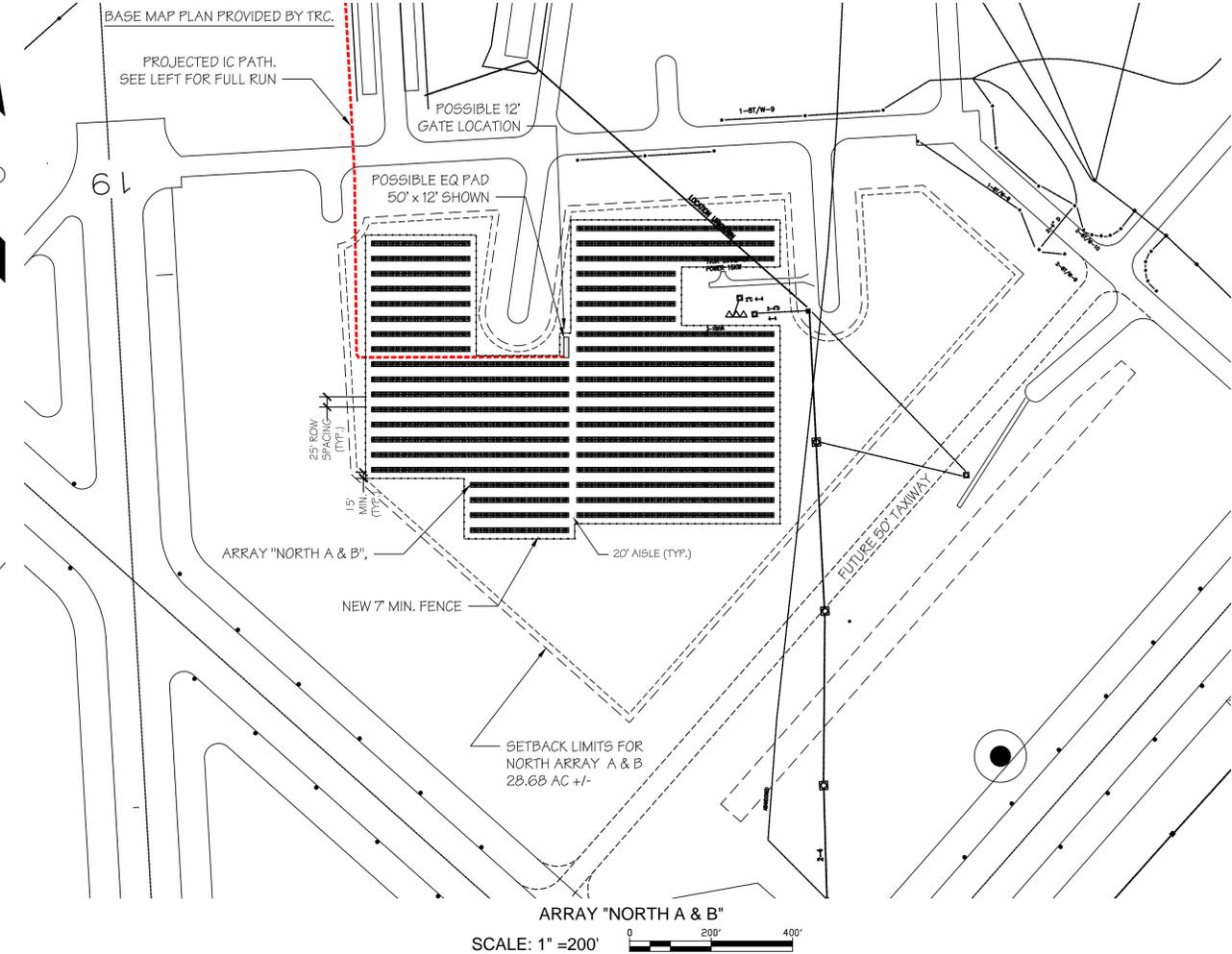
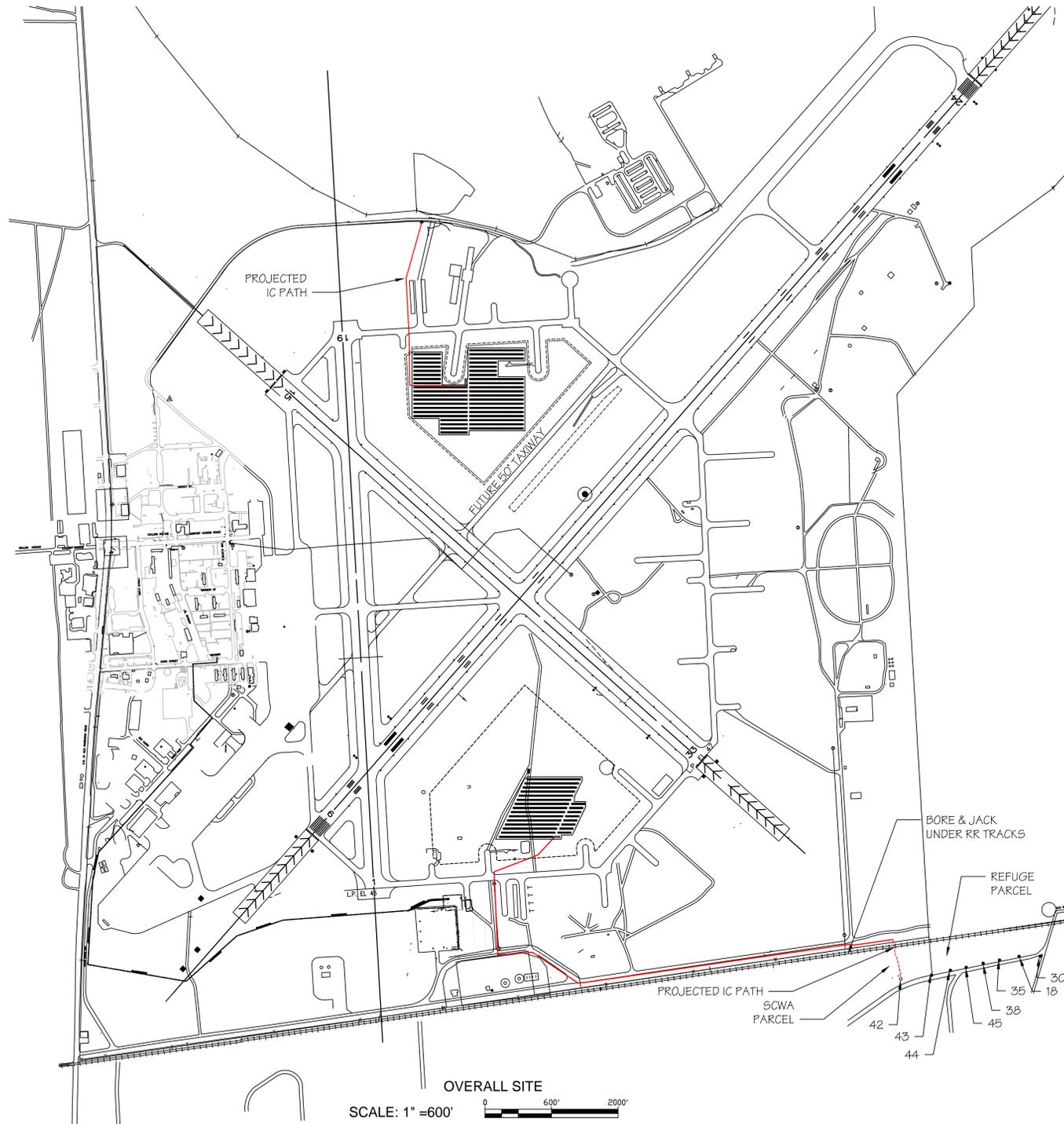
Service Layer Credits:
Copyright:© 2013 National
Geographic Society, i-cubed



SYSTEM DESCRIPTION - "NORTH A & B"		SYSTEM DESCRIPTION - "SOUTH B"	
MODULE TYPE	SUN EDISON SILVANTIS 320W F320ByC	MODULE TYPE	SUN EDISON SILVANTIS 320W F320ByC
MODULE QUANTITY	9,216	MODULE QUANTITY	4,896
SYSTEM SIZE (DC)	2.94912 MW DC	SYSTEM SIZE (DC)	1.56672 MW DC
SYSTEM SIZE (AC)	2.0 MW	SYSTEM SIZE (AC)	1.1 MW
SYSTEM TYPE	FIXED RACK STRUCTURE	SYSTEM TYPE	FIXED RACK STRUCTURE
TILT ANGLE	25° FIXED TILT	TILT ANGLE	25° FIXED TILT
ROW SPACING	25 FEET	ROW SPACING	25 FEET
ACRES	18.1± DEVELOPED AREA	ACRES	7.7± DEVELOPED AREA
INVERTERS	(2) FS1003CU-360	INVERTERS	(1) FS1003CU-360
EQUIPMENT PADS	TBD	EQUIPMENT PADS	TBD
AZIMUTH	180°	AZIMUTH	180°

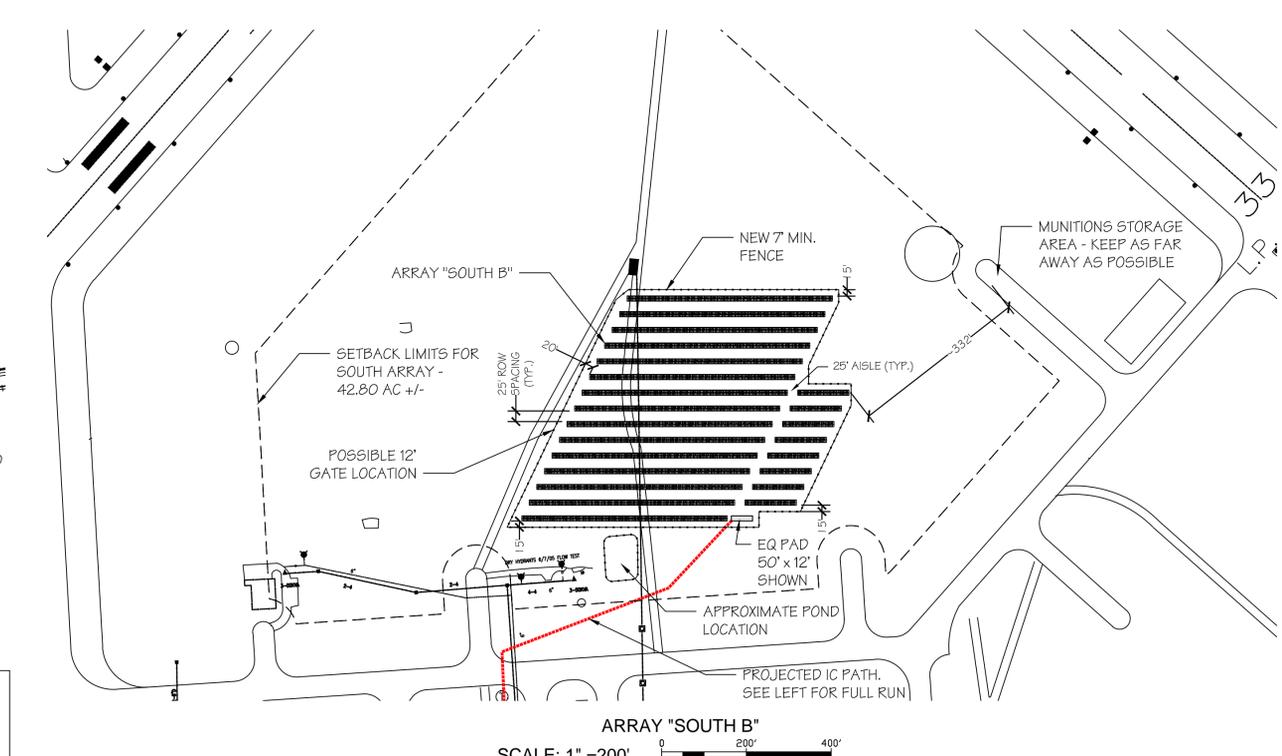
NOTE:
BASE MAP IS FROM A CAD FILE PREPARED BY TRC AND RECEIVED BY ISE-MD, INC. FROM SUN EDISON ON DECEMBER 9, 2014

SETBACKS
150' - ϵ OF TAXIWAYS
549' - ϵ OF RUNWAYS *
500' ϵ OF RUNWAYS
49' (7' HIGH PANELS W/ 7(H) : 1(V) TRANSITIONAL SURFACE)
549' TOTAL SETBACK
55' - EDGE OF TAXIWAY STUBS



- (1) GROUP OF (16) TABLES W/ (18) PANELS IN EACH TABLE = 288 PANELS
- (2) GROUPS OF (8) TABLES W/ (18) PANELS IN EACH TABLE = 288 PANELS

FIGURE 2



* FAA RUNWAY SETBACK NARRATIVE
SINCE THE FENCE AND PANELS ARE ELEVATED ABOVE GRADE, THEY MUST ALSO CONFORM TO FEDERAL AVIATION REGULATIONS (FAR) PART 77 (14CFR 77) WHEN CONSIDERING SETBACKS FROM RUNWAYS. THE FAR PART 77 TRANSITIONAL SURFACE BEGINS AT 500 FEET FROM THE CENTERLINE OF A RUNWAY AND EXTENDS OUTWARD AND UPWARD AT A SLOPE OF 7:1 (ONE FOOT RISE FOR EVERY 7 FOOT OF RUN). FOR EXAMPLE, A 7 FOOT HIGH SOLAR PANEL WOULD NEED TO ADD 49 FEET (7X7) TO THE 500 FOOT LINE. A 6 FOOT FENCE REQUIRES 42 ADDITIONAL FEET (7X6) ADDED TO THE 500 FOOT LINE.

Sun Edison
simplifying solar
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12500 BALTIMORE AVE.
BELTSVILLE, MD 20705
(443) 909-7200

I INNOVATIVE SITE, CIVIL & STRUCTURAL ENGINEERING
"Quality with Value"
30 S. MAIN STREET
BEL AIR, MD 21014
(410) 399-9844

GABRESKI AIRPORT SOLAR ARRAY
150 RIVERHEAD RD.
WESTHAMPTON BEACH, NY 11978

SUN EDISON PROJECT NUMBER:
NY-13-0100

SHEET TITLE:
PROPOSED SITE PLAN W/ AISLES



THIS DRAWING IS THE PROPERTY OF SUN EDISON, LLC. THIS INFORMATION IS CONFIDENTIAL AND IS TO BE USED ONLY IN CONNECTION WITH WORK DESCRIBED BY SUN EDISON, LLC. NO PART IS TO BE DISCLOSED TO OTHERS WITHOUT WRITTEN PERMISSION FROM SUN EDISON, LLC.

DATE:	5/26/15	
DRAWN BY:	WJM	
ENGINEER:	CJC	
APPROVED BY:	CJC	
NO.	REVISION	DATE
1	SOUTH ARRAY REV'D	6/23/15

PROJECT PHASE:
SCALE:
AS SHOWN
ORIGINAL SIZE 24"X36"
SHEET NO.:

C100

C:\Users\MD20156\Documents\Projects\ISE - Drawings\Site Plans\Gabreski_C100.dwg 2015-06-23 10:00 C100



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Long Island Ecological Services Field Office
340 SMITH ROAD
SHIRLEY, NY 11967
PHONE: (631)286-0485 FAX: (631)286-4003

Consultation Code: 05E1LI00-2014-SLI-0040

June 22, 2015

Event Code: 05E1LI00-2015-E-00148

Project Name: SunEdison Solar

Subject: Updated list of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having

similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment



United States Department of Interior
Fish and Wildlife Service

Project name: SunEdison Solar

Official Species List

Provided by:

Long Island Ecological Services Field Office
340 SMITH ROAD
SHIRLEY, NY 11967
(631) 286-0485

Consultation Code: 05E1LI00-2014-SLI-0040

Event Code: 05E1LI00-2015-E-00148

Project Type: DEVELOPMENT

Project Name: SunEdison Solar

Project Description: SunEdison proposes to construct and install seven (7) megawatts of new ground mounted photovoltaic solar modules within the Francis S. Gabreski Airport in Southampton, Suffolk County, New York. The project will be located at two separate areas adjacent to existing airport runways and would require approximately 30 acres of land.

Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.



United States Department of Interior
Fish and Wildlife Service

Project name: SunEdison Solar

Project Location Map:



Project Coordinates: The coordinates are too numerous to display here.

Project Counties: Suffolk, NY



United States Department of Interior
Fish and Wildlife Service

Project name: SunEdison Solar

Endangered Species Act Species List

There are a total of 6 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Birds	Status	Has Critical Habitat	Condition(s)
Piping Plover (<i>Charadrius melodus</i>) Population: except Great Lakes watershed	Threatened	Final designated	
Red Knot (<i>Calidris canutus rufa</i>)	Threatened		
Roseate tern (<i>Sterna dougallii dougallii</i>) Population: northeast U.S. nesting pop.	Endangered		
Flowering Plants			
Sandplain gerardia (<i>Agalinis acuta</i>)	Endangered		
Seabeach amaranth (<i>Amaranthus pumilus</i>)	Threatened		
Mammals			
Northern long-eared Bat (<i>Myotis septentrionalis</i>)	Threatened		



United States Department of Interior
Fish and Wildlife Service

Project name: SunEdison Solar

Critical habitats that lie within your project area

There are no critical habitats within your project area.

**Table 1.
Species Consultation Table**

Common Name	Latin Name	Federal Status	Potential Habitat Present	Species Present ¹	Habitat Characteristics	Potential for Take
Plants						
Sandplain gerardia	<i>Agalinis acuta</i>	Endangered	Yes	No	Traditionally a maritime grassland species maintained by fire and grazing; now survives in grasslands in pine barrens with broad, grassy swaths; and other remnant grasslands on the South Fork (Suffolk County) and Hempstead Plains (Nassau County). Needs some disturbance which provides bare soil areas.	Take is not anticipated ²
Seabeach amaranth	<i>Amaranthus pumilus</i>	Threatened	No	No	Barrier island beaches between the foredune and wrack line, and also open overwash areas behind the foredune.	Take is not anticipated
Animals						
Northern long-eared bat	<i>Myotis septentrionalis</i>	Threatened	No	No	Caves with large passages and entrances, constant temperatures, and high humidity in winter. Mature, unfragmented, forest areas in summer where roosts underneath bark, in cavities, or in crevices of both dead and live trees.	Take is not anticipated
Piping plover	<i>Charadrius melodus</i>	Threatened	No	No	Dry, sandy beaches or areas filled with dredged sand, often near dunes with little or no beach grass.	Take is not anticipated
Roseate tern	<i>Sterna dougallii</i>	Endangered	No	No	Marine coastal species; salt marsh islands and beaches with sparse vegetation.	Take is not anticipated
Red knot	<i>Calidris canutus rufa</i>	Threatened	No	No	Coastal marine and estuarine habitats with large areas of intertidal sediments; sandy, gravel, cobble beaches, tidal mudflats, salt marshes, shallow coastal impoundments, lagoons, and peat banks.	Take is not anticipated

¹Species present determined by consultation with the NYNHP, provided in Attachment A (Note: all species listed above are also state-listed).

²Although potential habitat for the sandplain gerardia may be present within the vicinity of the Project area, there are no documented occurrences of the species within the vicinity of the Francis S. Gabreski Airport by the NYNHP. Therefore, take of this species is not anticipated.

Source: USFWS. 2014/2015. Species By County Report: Suffolk, NY. Accessed online May 14, 2014 and June 22, 2015

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

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Fish, Wildlife & Marine Resources
New York Natural Heritage Program
625 Broadway, 5th Floor, Albany, New York 12233-4757
Phone: (518) 402-8935 • **Fax:** (518) 402-8925
Website: www.dec.ny.gov



Joe Martens
Commissioner

July 31, 2015

Jaime Walker
TRC Environmental Corporation
650 Suffolk Street
Lowell, MA 01854

Re: SunEdison Gabreski Airport Solar Installation Project
Town/City: Southampton. County: Suffolk.

Dear Jaime Walker:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

Enclosed is a report of rare or state-listed animals and plants, and significant natural communities, which our databases indicate occur, or may occur, on your site or in the immediate vicinity of your site.

For most sites, comprehensive field surveys have not been conducted; the enclosed report only includes records from our databases. We cannot provide a definitive statement as to the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

Our databases are continually growing as records are added and updated. If this proposed project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information.

The presence of the plants and animals identified in the enclosed report may result in this project requiring additional review or permit conditions. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the appropriate NYS DEC Regional Office, Division of Environmental Permits, as listed at www.dec.ny.gov/about/39381.html.

Sincerely,

Nicholas Conrad
Information Resources Coordinator
New York Natural Heritage Program



The following state-listed animals have been documented at your project site, or in its vicinity.

The following list includes animals that are listed by NYS as Endangered, Threatened, or Special Concern; and/or that are federally listed or are candidates for federal listing.

For information about potential impacts of your project on these populations, how to avoid, minimize, or mitigate any impacts, and any permit considerations, contact the Wildlife Manager at the NYSDEC Regional Office for the region where the project is located. A listing of Regional Offices is at <http://www.dec.ny.gov/about/558.html>.

The following species have been documented adjacent to the north section of the project site. Potential onsite and offsite impacts from the project may need to be addressed.

<i>COMMON NAME</i>	<i>SCIENTIFIC NAME</i>	<i>NY STATE LISTING</i>	<i>FEDERAL LISTING</i>
Birds			
Upland Sandpiper <i>Breeding</i>	<i>Bartramia longicauda</i>	Threatened	10923
Northern Harrier <i>Breeding</i>	<i>Circus cyaneus</i>	Threatened	11127

This report only includes records from the NY Natural Heritage databases. For most sites, comprehensive field surveys have not been conducted, and we cannot provide a definitive statement as to the presence or absence of all rare or state-listed species. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the listed animals in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org, and from NYSDEC at <http://www.dec.ny.gov/animals/7494.html>.



The following rare plants, rare animals, and significant natural communities have been documented at your project site, or in its vicinity.

We recommend that potential onsite and offsite impacts of the proposed project on these species or communities be addressed as part of any environmental assessment or review conducted as part of the planning, permitting and approval process, such as reviews conducted under SEQR. Field surveys of the project site may be necessary to determine the status of a species at the site, particularly for sites that are currently undeveloped and may still contain suitable habitat. Final requirements of the project to avoid, minimize, or mitigate potential impacts are determined by the lead permitting agency or the government body approving the project.

The following animals, while not listed by New York State as Endangered or Threatened, are of conservation concern to the state, and are considered rare by the New York Natural Heritage Program.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
Birds			
Chuck-will's-widow <i>Breeding</i>	<i>Antrostomus carolinensis</i>	Protected Bird	Critically Imperiled in NYS
Quogue Northwest Pine Barrens, 2012-06-09: The habitat is a large area of pitch pine-oak forest, with residential areas, near east end of south interconnect.			13918
Moths			
Coastal Barrens Buckmoth	<i>Hemileuca maia ssp. 5</i>	Special Concern	Imperiled in NYS and Globally Uncommon
Dwarf Pine Barrens, 2005-07-29: The moths were captured in an open canopy dwarf forest of <i>Pinus rigida</i> and <i>Quercus ilicifolia</i> , with <i>Gaylussacia baccata</i> , <i>Vaccinium pallidum</i> , <i>Gaultheria procumbens</i> , <i>Arctostaphylos uva-ursi</i> . The substrate has a thin litter layer and is sandy. The northern-most part of the site is shrub savanna with more scattered pines and lichens. The southern-most part of the area was burned in a hot fire in 1995 that killed most of the pines.			38

The following significant natural communities are considered significant from a statewide perspective by the NY Natural Heritage Program. They are either occurrences of a community type that is rare in the state, or a high quality example of a more common community type. By meeting specific, documented criteria, the NY Natural Heritage Program considers these community occurrences to have high ecological and conservation value.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
Upland/Terrestrial Communities			
Dwarf Pine Plains			High Quality Occurrence of Rare Community Type and Globally Rare
Dwarf Pine Barrens: This is a series of large contiguous patch areas. Some portions have little disturbance. Some portions were cleared in the past and are recovering. Patches occur at Gabreski Airport.			4443
Pitch Pine-Oak Forest			High Quality Occurrence
Quogue Northwest Pine Barrens: Development is encroaching from all sides, but portions, especially within the refuge, are in good shape. Patches occur at Gabreski Airport.			5544
Pitch Pine-Oak-Heath Woodland			High Quality Occurrence of Rare Community Type
Dwarf Pine Barrens: This is an excellent example with no development and only minor disturbance. Patches occur at Gabreski Airport.			8060

The following plants are listed as Endangered or Threatened by New York State, and/or are considered rare by the New York Natural Heritage Program, and so are a vulnerable natural resource of conservation concern.

<i>COMMON NAME</i>	<i>SCIENTIFIC NAME</i>	<i>NY STATE LISTING</i>	<i>HERITAGE CONSERVATION STATUS</i>
Vascular Plants			
Showy Aster	<i>Eurybia spectabilis</i>	Threatened	Imperiled in NYS

Dwarf Pine Barrens, 1991-09-11: A mowed field at the south end of main north-south runway in former pine barrens area.

8206

This report only includes records from the NY Natural Heritage databases. For most sites, comprehensive field surveys have not been conducted, and we cannot provide a definitive statement as to the presence or absence of all rare or state-listed species. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the rare animals and plants in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org, from NatureServe Explorer at <http://www.natureserve.org/explorer>, and from USDA's Plants Database at <http://plants.usda.gov/index.html> (for plants).

Information about many of the natural community types in New York, including identification, dominant and characteristic vegetation, distribution, conservation, and management, is available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org. For descriptions of all community types, go to <http://www.dec.ny.gov/animals/29384.html> and click on Draft Ecological Communities of New York State.