STATE OF VERMONT
PUBLIC SERVICE BOARD

Application of Farm Solar, LLC for a certificate of public good, pursuant to 30 V.S.A. § 219a and § 248 to install and operate a 150 kW group net-metered solar electric generation facility located at Shelburne Farms in Shelburne, Vermont, to be known as the "Farm Solar Project"	))))))	CPG #16-_____-NMP

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September 20, 2016

By Hand Delivery

Ms. Judith Whitney, Clerk
Vermont Public Service Board
112 State Street, Drawer 20
Montpelier, VT 05620-2701

Re: Application of Farm Solar, LLC, pursuant to 30 V.S.A. §§ 219a and 248, for a certificate of public good authorizing the installation and operation of a 150 kilowatt group net-metered solar electric generation facility located at Shelburne Farms in Shelburne, Vermont, to be known as the "Farm Solar Project"

Dear Ms. Whitney:

On behalf of Farm Solar, LLC ("Farm Solar"), I am pleased to enclose for filing in the above matter the original and two copies of a section 219a Application requesting Board approval for the installation and operation of a 150 kilowatt group net-metered solar electric generation facility in Shelburne, Vermont, to be known as the "Farm Solar Project." The Farm Solar Project was accepted into the GMP Supplemental Net Metering Program as authorized by the Board and reflected in GMP's e-mail dated August 2, 2016.

The Farm Solar Project will be located on Shelburne Farms, which will be the primary net metering customer and receive 75% or more of the Project's output. The Project thus represents an important element in Shelburne Farms attaining its renewable energy goals.

As indicated in the attached certificate of service, a complete copy of this Application has been provided to the Public Service Department, the Agency of Natural Resources, Green Mountain Power, the Chittenden County Regional Planning Commission, the Shelburne Selectboard, the Shelburne Planning Commission, and all adjoining landowners.

Farm Solar is pleased to file this Application and looks forward to commencement of the Board's review of its proposal. Please do not hesitate to contact us if you need any further information, and thank you for your attention to this matter.

Sincerely,

Andrew N. Raubvogel

Encls.

cc: Service List (by First Class Mail)

STATE OF VERMONT
PUBLIC SERVICE BOARD

Application of Farm Solar, LLC for a certificate of public good, pursuant to 30 V.S.A. § 219a and § 248 to install and operate a 150 kW group net-metered solar electric generation facility located at Shelburne Farms in Shelburne, Vermont, to be known as the "Farm Solar Project"	)))))))	CPG #16-_____-NMP

CERTIFICATE OF SERVICE

I, Gillian Bergeron, certify that on September 20, 2016 I forwarded copies of Farm Solar, LLC's *Section 219a Application* to the below service list by the delivery method noted:

By Hand Delivery:

Ms. Judith Whitney, Clerk
Vermont Public Service Board
112 State Street, Drawer 20
Montpelier, VT 05620-2701

By First Class Mail:

Vermont Agency of Natural Resources
Secretary's Office
1 National Life Drive, Davis 2
Montpelier, VT 05620-3901

Vermont Public Service Department
Commissioner's Office and
Director of Public Advocacy
112 State Street, 3rd Floor
Montpelier, VT 05620-2601

Green Mountain Power Corporation
163 Acorn Lane
Colchester, VT 05446

Chittenden County Regional Planning Commission
110 W. Canal St #202
Winooski, VT 05404

Shelburne Planning Commission
5420 Shelburne Road
Shelburne, VT 05482

Shelburne Selectboard
5420 Shelburne Road
Shelburne, VT 05482

Thomas Cabot III Trust
2100 Harbor Road
Shelburne, VT 05482

Pheasant Hill Trust
c/o Richard Galbraith
1061 Pheasant Hill Lane
Shelburne, VT 05482

Sea Trust
c/o James Andrew
P.O. Box 1660
Framingham, MA 01701

Jeff Crowe
225 Eagles Rest Road
Shelburne, VT 05482

Ryan Talbott Farm Ent Inc.
1022 Falls Road
Shelburne, VT 05482

Helen Tyndall
6331-208 Lynn Crest Lane
Raleigh, NC 27609

Megan Camp
1611 Harbor Road
Shelburne, VT 05482

David & Roberta Wool
200 Depot Road
Shelburne, VT 05482

Chunka Mui
Beth L. Jenkins
889 Harbor Road
Shelburne, VT 05482

Meach Cove Trust
P.O. Box 309
Shelburne, VT 05482

Ray Sadler III Trust
P.O. Box 995
Shelburne, VT 05482

Homestead Nominee Realty Trust c/o William Schroeder
P.O. Box 190
Burlington, VT 05402

Philip & Crea Lintilhac
886 North Gate Road
Shelburne, VT 05482

Alexander Webb
1611 Harbor Road
Shelburne, VT 05482

Waveledge Trust
c/o Alec Webb
1611 Harbor Road
Shelburne, VT 05482

Marshall & Kathryn Webb
Laun Webb Trust
1611 Harbor Road
Shelburne, VT 05482

Paul & Eileen Growald
Rockefeller Trust CO NA
PO Box 459
Shelburne, VT 05482

Stephen & Dundeen Galipeau
P.O. Box 94
Shelburne, VT 05482

Jonathan & Amanda Harris Trust
Michael Darling, Trustee
208 E. 78th Street
New York, NY 10075

Peter & Margie Stern
P.O. Box 458
Shelburne, VT 05482

Shelburne Museum
Tom Denenberg, Director
P.O. Box 10
Shelburne, VT 05482

Williams Wells
P.O. Box 1059
Shelburne, VT 05482

Bruce Lisman
P.O. Box 1269
Shelburne, VT 05482

Town of Shelburne
Cemetery Commission
P.O. Box 88
Shelburne, VT 05482

Dated at Burlington, Vermont this 20th day of September, 2016.

By:

Gillian Bergeron
Paralegal

State of Vermont Public Service Board

Application for a Certificate of Public Good for Net Metered Power Systems that are Non-Photovoltaic Systems Up to 150 kW (AC) in Capacity; or Photovoltaic Systems Greater Than 15 kW (AC) and up to 150 kW (AC) in Capacity[1]

Applicant Name (please print): Farm Solar, LLC

General Instructions for Applicants:
Applicants must complete sections 1-3 and any other sections of this form that are applicable to the type of the proposed system. Specific instructions for each type of system are included under the applicable section. **Failure to complete all pertinent sections of this form may result in delay or denial.** The applicant must mail the original of the completed application to the Vermont Public Service Board (Board), with copies to the Vermont Department of Public Service, to the applicant's electric utility service provider, and to all other persons as specified in each of the sections of this form applicable to the proposed net metering project. Along with the completed form, applicants must also submit a list of the persons that they have mailed a copy of the application to and the addresses to which the copies were sent, in accordance with the instructions for each type of installation.

Applicants for proposed projects with a plant capacity greater than 139 kW must also include with this application form a copy of the completed Certificate of Public Good Application Fee Form that they have submitted to the Agency of Natural Resources (ANR). The original of the Fee Form and the fee payment ***must*** be submitted to ANR; **do not send the fee payment to the Board**. The Fee Form is available at: http://www.anr.state.vt.us/site/html/docs/248-fee-form.pdf#zoom=100. If you have questions about the Fee Form, please contact ANR's Office of Planning and Legal Affairs at ANR-OPLA@state.vt.us or 802-828-1295.

It is recommended that applicants contact their utilities ***prior to applying for a certificate of public good*** to determine whether the utility's capacity for net metering projects has been met, and whether there are any utility-specific requirements that need to be met. Applicants are also strongly encouraged to contact the host municipality, ANR, and the Division for Historic Preservation prior to filing. Please contact the Vermont Public Service Board at (802) 828-2358 if you have any questions regarding this application form.

Notice to Those With Concerns About the Proposed Project
If you have received a copy of this application, this is your opportunity to comment on the proposed project and to request a hearing before the Board. In order to be granted a hearing, you must explain specifically in writing what aspect of the application raises a significant issue relating to one or more of the substantive criteria contained in 30 V.S.A. § 248(b). The Board will hold a hearing only if it determines — based on your comments or its own review of the application — that the project raises a significant issue with respect to one or more of those substantive criteria. For example, if you are concerned that a project may interfere with a scenic vista, then you would describe this potential aesthetic impact under § 248(b)(5) in your written comments. Be as specific and detailed as possible; it is not sufficient to simply assert that an application raises a significant issue. Similarly, requests for hearings must be supported by more than general or speculative statements.

For all systems *with the exception of photovoltaic systems on existing structures*, if you wish to provide comments to the Board about a proposal or request a hearing, you must file your comments and any motion to intervene with the Board and the applicant within 30 days of the date that the application was sent to the Board and all required recipients; if you wish to request a hearing, you must include your hearing request with your comments. *With respect to photovoltaic systems on existing structures*, if you wish to provide comments to the Board about a

1 Applicants for photovoltaic systems of 15 kW or less in capacity must use the Board's Net Metering Registration Form, which is available on the Board's website at: http://psb.vermont.gov/sites/psb/files/NMRegistrationForm2015.doc. Systems with a capacity of more than 150 kW must comply with the requirements of Board Rule 5.110(C) to apply for a certificate of public good.

proposal, you must file the comments and any request for a hearing with the Board and the applicant within 10 working days of the date that the application was sent to the Board and all required recipients. Comments and requests must be submitted in writing to the Board at 112 State Street, 4th Floor, Montpelier, VT 05620-2701. If you have any questions, please contact the Clerk of the Vermont Public Service Board at (802) 828-2358, e-mail address: psb.clerk@state.vt.us.

Instructions to Municipal Legislative Bodies and Planning Commissions

For ground-mounted solar installations (pursuant to 30 V.S.A. § 248(b)(1)(B)), please provide any written recommendations regarding application of the screening requirements contained in your municipal bylaws or ordinances. Such recommendations must be filed with the Clerk of the Vermont Public Service Board at 112 State Street, 4th Floor, Montpelier, VT 05620-2701 within 30 days of the date you received an application.

Applicant Information - **Section 1.**

(Please print all information clearly)

Applicant Name: Farm Solar, LLC

Location of Proposed System (please include street name and number; no P.O. boxes):

Street Name and Number: Shelburne Farms 1611 Harbor Rd

Town/City/State: Shelburne, VT

Zip Code: 05482

Applicant's Mailing Address (if different from above): 886 Northgate Rd., Shelburne, VT 05482

Applicant's Daytime Telephone: 802-985-4106

Applicant's Utility & Account #: GMP (see Section 7 for account info)

Property Owner Name (if proposed system will be located on land not owned by the Applicant): Shelburne Farms

Property Owner's Mailing Address: 1611 Harbor Rd.

Town/City/State: Shelburne, VT

Zip Code: 05482

Property Owner's Daytime Telephone: 802 985 0316

Is this an amendment to an existing system? If so, please indicate the existing CPG No. _____

Date application was sent to the Vermont Public Service Board and other persons or entities as required by type of net metering project:

_____

Applicant must indicate the date the application was sent to the Vermont Public Service Board and other persons or entities, and also submit a list of the names and addresses of the persons and entities notified of this application along with the completed application.

Installer Information - **Section 2.**

(Please print all information clearly)

Installer Name: L W Seddon, LLC

Mailing Address: 190 Leap Frog Hollow

Town/City/State: Montpelier, VT

Zip Code: 05602

Daytime Telephone: (802) 272-7284

E-mail Address: lwseddon@gmail.com

Certification - Section 3.

The undersigned declares, under the pains and penalties of perjury, that:

(1) having exercised due diligence and made reasonable inquiry, the information which I have provided on this form and any attachments is true and correct to the best of my knowledge;

(2) the project for which this application seeks approval is in compliance with the land conservation measures contained in the applicable Town Plan;

(3) the project is in compliance with all applicable state and federal requirements and has the necessary approvals for operation of this type of system;

(4) any waste generated by the construction of this project will be disposed of at a state-approved disposal facility;

(5) any construction activities will follow the recommendations of *the Vermont Erosion Control Handbook* (available from the Agency of Natural Resources, 1-802-828-1535 or anr.wsmdstormwatergeneral@state.vt.us);

(6) the system will be installed in compliance with the interconnection safety and technological requirements of Public Service Board Rule 5.100;

(7) I have sent a copy of this complete application to all parties as required by this form; and

(8) site preparation or construction of the project will not commence until a certificate of public good is issued.

Making false or misleading statements on this application is subject to penalties under 30 V.S.A. § 30 and/or revocation of any approval granted.

Applicant Name: Crea Lintilhac , Mgr

Applicant Signature: Crea Lintilhac Date 9/19/16

Installer Name: Leigh W. Seddon

Installer Signature: L W. Seddon Date 19-SEP-2016

Renewable Attribute Election:

I elect to retain ownership of any renewable attributes associated with the system (*please circle one*) **yes or no.**

If you select "no" or do not make a selection, the renewable attributes will be transferred to your electric utility. Your electric utility shall retire any renewable attributes received from net-metering customers and apply them toward compliance with the Renewable Energy Standard set forth in 30 V.S.A. §§ 8004 and 8005.

Interconnection Configuration:

Please circle one: generation meter; behind consumption meter

If a generation meter interconnection, please circle one: single phase; three phase

Further Instructions

If installing a photovoltaic (PV) system, complete Section 4.*

If installing a wind system, complete Sections 5 and 8.

If installing another type of net metering system, complete Sections 6 and 8.

If installing a group system, complete the sections applicable to the net metering system employed and Section 7.

***PV systems that are not mounted on a roof must complete Section 8 (environmental information). See instructions in Section 4 below.**

Photovoltaic System (PV) Information **- Section 4.**

PV Module Manufacturer: Canadian Solar

Module Model Number: CSX-315

Number of Modules: 720

Power Rating per Module: 315 DC Watts

Total Array Output: 226,800 DC Watts (no. of modules x power rating)

System Capacity: 150,000 AC Watts (AC Nameplate Capacity of the Inverter(s))

Inverter Manufacture: SMA

Inverter Model Number: Sunny Tripower 30000TL-US

Describe the physical location of the installation and/or mounting structure:

Situated adjacent to the existing Green Mountain Power 150 kW facility at Shelburne Farms
Mounted on fixed racks with driven steel pile supports

Describe the physical location of the facility's lockable disconnect switch:

Adjacent to existing GMP transformer - see supplemental narrative for Section 4

Installation Type (*please circle one*): roof mount; ground mount; other (please describe)_____

System Type and Orientation (please circle one): fixed; 1-axis; 2-axis

Fixed, array tilt at 30 degrees, azimuth 180 degrees

If you are installing a system that is not mounted on a roof, you must also complete Section 8 of this application.

Notice Requirements:

If you are installing a PV system on a roof, you must send copies of this application to the Vermont Public Service Board at 112 State Street, 4th Floor, Montpelier, VT 05620-2701; the Vermont Department of Public Service at 112 State Street, 3rd Floor, Montpelier, VT 05620-2601; and your utility.

If your PV system will not be mounted on a roof, then you must send a copy of the application to the Vermont Public Service Board; the Vermont Department of Public Service; your electric utility; the Planning Division, Agency of Natural Resources, 1 National Life Drive, Davis 2, Montpelier, VT 05620-3901; your local planning commission; the municipal legislative body for the municipality in which the system is to be installed (typically, the selectboard); and all landowners adjoining the proposed project site.

Please note that all applicants must submit a list of the persons and entities provided with a copy of this application along with the addresses where such notice was sent.

Wind System Information **- Section 5.**

Wind Turbine Manufacturer: _____

Turbine Model Number: _____

Turbine Tower Height: _____ft

Turbine Tower Diameter: _____ft

Rotor Diameter: _____ft

Wind Turbine Power Output: _____Watts
(Peak output up to 30mph wind speed)

AC Source (circle one): Inverter Synchronous Generator Induction Generator

Describe the physical location of the installation and/or mounting structure:

Describe the physical location of the facility's lockable disconnect switch:

If using an inverter, complete the following:

Inverter Manufacturer: _____

Inverter Model Number: _____

Inverter's Continuous AC Rating: _____AC Watts

System Rated Output: _____AC Watts (wind turbine power output x .95)

All applicants for wind systems must also complete Section 8 (Environmental Information) below.

Notice Requirements:

If interconnecting a wind system, you must send copies of this application to the Vermont Public Service Board at 112 State Street, 4th Floor, Montpelier, VT 05620-2701; the Vermont Department of Public Service, 112 State Street, 3rd Floor, Montpelier, VT 05620-2601; your electric utility; your local planning commission; the municipal legislative body for the municipality in which the system is to be installed (typically, the selectboard); the Planning Division, Agency of Natural Resources, 1 National Life Drive, Davis 2, Montpelier, VT 05620-3901; and all landowners adjoining the project site.

Please note that the applicant must submit a list of the persons and entities provided with a copy of this application along with the addresses where such notice was sent.

Other Types of Systems - Section 6.

Description of the type of net metering system employed (fuel cell, hydroelectric, biomass, etc.):_____

Manufacturer: _____

Model Number: _____

Rated Power Output (AC continuous): _____ AC Watts

System Rated Output (power output x .95) : _____ AC Watts

AC Source (circle one): Inverter Synchronous Generator Induction Generator

Describe the physical location of the installation and/or mounting structure:

Describe the physical location of the facility's lockable disconnect switch:

If using an inverter, complete the following:

Inverter Manufacturer: _____

Inverter Model Number: _____

Inverter's Continuous AC Rating: _____ AC Watts

Describe the physical location of the installation and/or mounting structure:

Describe the physical location of the facility's lockable disconnect switch:

All applicants for systems under this section must also complete Section 8 (Environmental Information) below.
Applicants for hydroelectric and biomass systems must submit copies of all necessary federal and state approvals for the project along with this application.
Applicants for biomass systems that utilize off-site waste resources must provide a detailed description of any waste transportation, storage, and handling related to the project.

Notice Requirements:

If interconnecting a system, you must send copies of this application to the Vermont Public Service Board at 112 State Street, 4th Floor, Montpelier, VT 05620-2701; the Vermont Department of Public Service, 112 State Street, 3rd Floor, Montpelier, VT 05620-2601; your electric utility; your local planning commission; the municipal legislative body for the municipality in which the system is to be installed (typically, the selectboard); the Planning Division, Agency of Natural Resources, 1 National Life Drive, Davis 2, Montpelier, VT 05620-3901; and all landowners adjoining the project site.

Please note that the applicant must submit a list of the persons and entities provided with a copy of this application along with the addresses where such notice was sent.

Group System Information - Section 7.

If interconnecting a group system, applicants must provide the required application information corresponding to the type of net metering system(s) to be constructed as outlined in sections 4-6, above. In addition, applicants must also provide on a separate sheet:

See section 7 narrative attached

(1) the meters to be included in the group system identified by account number and location;

(2) the procedure for adding and removing meters included in the group system, and direction as to the manner in which the serving utility shall allocate any accrued credits among the meters in the group;

(3) a designated person, including address and telephone number, responsible for all communications from the system to the serving electric utility, except for communications related to billing, payment, and disconnection; and

(4) a binding process for the resolution of any disputes within the group system relating to net metering that does not rely on the serving electric utility, the Vermont Public Service Board, or the Vermont Department of Public Service.

Please note that all meters included in a group system must be within the same electric utility service territory in which the generation facility is located.

Environmental Information - Section 8.

You must complete the applicable portions of this section if you are installing any one of the following:

- **A PV system that is not on a roof**
- **A wind system**
- **A system under Section 6**

1. For all such systems, state whether the system will be sited on, near, or within any of the following resources (*answer yes or no)*:

Floodway	no	Historic site or district	yes
Shoreline	no	Rare and irreplaceable natural area	no
Stream	no	Necessary wildlife habitat	no
Wetland	no	Area where an endangered species is present	no

Note: Please see 10 V.S.A. §§ 902 and 6001 for definitions of each of these resources. Applicants must ascertain whether any of the above listed resources are present. Applicants are encouraged to consult with the Vermont Agency of Natural Resources and Division for Historic Preservation prior to filing an application. The provision of incomplete or incorrect information on this application may result in the delay or denial of this application, the revocation or amendment of certificates of public good issued in reliance on such incomplete or incorrect information, or the imposition of penalties pursuant to 30 V.S.A. § 30.

If the answer to any one of the foregoing is yes, please attach a separate sheet: See attached

(a) showing the location of the system in relation to the resource, and

(b) stating the impact that the system, including its installation, will have on the protected resource and what measures, if any, will be taken to minimize any such impact.

2. For all such systems, on a separate sheet, describe the visible and aesthetic impact of the project and why it will not have an undue adverse effect on aesthetics and the scenic and natural beauty of the area. Describe the location of the facility in relation to adjoining properties and roadways, and include a specific statement about the visibility of the facility from adjoining properties and roadways; and, if it is highly visible, what measures you have taken, if any, to minimize the visible impact.

3. For all systems with capacities greater than 50 kW, provide a site plan or plans of the Project containing the following information:

(a) The scale in feet and a representative fraction. The plan must be drawn to scale and submitted on an 11" x 17" sheet.
(b) A compass orientation, legend, title, and date.
(c) An inset showing the location of the system within the Town.
(d) Proposed facility location(s), all construction features, and dimensions of all proposed improvements.
(e) State and municipal highways and setback distances from those highways to the system.
(f)Property boundaries and setback distances from those boundaries to the system.

(g) The locations of any proposed utility lines.

(h) A description of any areas where vegetation is to be cleared or altered and a description of any proposed direct or indirect alterations or impacts to wetlands and other natural resources protected under 30 V.S.A. § 248(b)(5), including the limits of earth disturbance and the total acreage disturbed.

(i) Locations and specific descriptions of proposed screening, landscaping, ground cover, fencing, exterior lighting, and signs.

(j) The location of any proposed access driveway, roadway, or parking area.

4. For ground-mounted solar systems, please provide the following setback information: See attached plans

(a) The distance from each State or municipal highway, measured from the edge of the traveled way: _____

(b) The distance from each property boundary that is not a State or municipal highway: _____

(c) The distance from the nearest residence _____

If the applicant is proposing a smaller setback than those provided in 30 V.S.A. § 248(s), please attach an agreement to the smaller setback signed by the applicant, the municipal legislative body, and each owner of property adjoining the smaller setback.

"Setback" means the shortest distance between the nearest portion of a solar panel or support structure for a solar panel, at its point of attachment to the ground, and a property boundary or the edge of a highway's traveled way.

5. For ground-mounted solar systems, provide a copy of the complete text of any applicable screening requirements contained in a municipal bylaw adopted under 24 V.S.A. § 4414(15) or a municipal ordinance adopted under 24 V.S.A. § 2291(28). Applicants should contact the municipality where the system will be located to obtain this information.

Please provide a narrative description explaining how the proposed system will comply with such screening requirements or how complying with such requirements would prohibit or have the effect of prohibiting the installation of the facility or have the effect of interfering with the facility's intended functional use or how the screening requirements are more restrictive than requirements for commercial development and therefore are inapplicable. If the municipality has not adopted any screening requirements, please state this fact.

"Screening" means reasonable aesthetic mitigation measures to harmonize a facility with its surroundings and includes landscaping, vegetation, fencing, and topographic features.

Farm Solar, LLC's Net Metering Application --

Section 4 Supplemental Information

Farm Solar, LLC's proposed 150 kW facility was accepted by GMP on July 19, 2016 under its Supplemental Net Metering Program.

Under a cooperative agreement with Shelburne Farms, the Project will be built adjacent to Green Mountain Power's ("GMP") existing 150 kW facility on the Shelburne Farms property. The Farm Solar, LLC project will be a separate facility and not an expansion of GMP's plant, will have no common ownership with GMP's facility, and will use completely separate mounting structures, electrical equipment and wiring. Farm Solar, LLC does intend to use the existing GMP 500 kVA transformer as an interconnection point, per agreement with GMP. This transformer was sized by GMP to allow interconnection of a future separate facility at this location.

Farm Solar, LLC would further note that locating the proposed facility adjacent to GMP's existing facility will have the benefit of minimizing siting impacts on natural, aesthetic and historic resources.

Similar to the existing GMP array, the Farm Solar, LLC project will not be fenced. As required for net-metered projects under 30 V.S.A. section 219a(i)(1), the Project will meet the National Electric Code with all wiring placed in conduit or protective enclosures.

Section 7 Supplemental Information

Meters to be included in the Group

	GMP account	Address	2015 kWh consumption	% of plant output
1	Farm Solar LLC, project meter	886 Northgate Rd		
	Acct# - new	Shelburne Farms		
	Meter# - TBD	Shelburne, VT 05482	500	0.2%
2	Crea Lintilhac	886 Northgate Rd		
	acct# 82306000009	Shelburne Farms		
	meter# E14955584	Shelburne, VT 05482	49,255	17.8%
3	Shelburne Farms - Farm Barn North	1611 Harbor Road		
	acct# 45306000006	Shelburne Farms		
	meter# E14673985	Shelburne, VT 05482	125,647	46%
4	Shelburne Farms - Farm Barn South	1611 Harbor Road		
	acct# 03306000005	Shelburne Farms		
	meter# E14981317	Shelburne, VT 05482	38,277	14%
5	Shelburne Farms - Cheese	1611 Harbor Road		
	acct# 25306000008	Shelburne Farms		
	meter# E15114720	Shelburne, VT 05482	35,633	13%
6	Shelburne Farms - WC	1611 Harbor Road		
	acct# 72306000000	Shelburne Farms		
	meter# E15905608	Shelburne, VT 05482	38,231	9%
	Total 2015 consumption		287,543	
	Estimated plant output		275,000	

Method for Adding/Removing Meters

Meters will be added and removed by agreement of the Applicant and the group members.

Method for Credit Allocation

Net metering credits will be allocated using a stacking method, with credits first being allocated to the new service meter at the array and then to the group meters per the group agreement.

Designated Group Administrator

Crea Lintilhac, manager of Farm Solar, LLC, is responsible for all communications about the group with the utility, except billing, payment and disconnection.

Dispute Resolution Process

Disputes within the group system will be resolved per the terms of their agreement, without the involvement of the utility, the Department of Public Service or the Public Service Board.

Ownership of RECs

Ownership of RECs will be retained by the Applicant.

Section 8 Supplemental Information

1. Environmental Assessment:

There are no known wetlands, headwaters, floodways, shorelines, streams, outstanding resource waters, rare and irreplaceable natural areas, necessary wildlife habitat, or rare, threatened and endangered species at or adjacent to the Project site. Thus, there will be no adverse impact on these resources. See site natural resource map (derived from ANR Atlas) for location and distance to pertinent natural resource features.

The Project site is approximately 1,000 feet to the east of the nearest shoreline. The Project and its installation will have a minimal impact on wildlife and wildlife habitats, and no impact on rare, threatened, or endangered species. Shelburne Farms has worked with field naturalist and consulting ecologist Mathew P. Kolan to study these issues. Mr. Kolan has surveyed the proposed solar array location and determined that the site does not qualify as a rare and irreplaceable natural area and is not a necessary wildlife habitat area or corridor, or an area where rare, threatened, or endangered species are present. Thus the project will not have an undue adverse impact on such areas.

The soils in the project area are classified by the NRCS as Statewide (b), and thus meet the definition of "Primary Agricultural Soils" under criterion 9(B) of Act 250. The Project will not have an undue adverse impact on primary agricultural soils as no soils will be removed, regraded or stockpiled. The only minor displacement of soils will occur in connection with installation of the array posts. As each post only occupies 0.1 square feet of area, the anticipated 140 posts will impact 14 square feet of soil.

2. Aesthetics and Scenic Resources, and Historic Sites:

The Project will be located in a currently unused field immediately adjacent to the existing GMP 150 kW array and directly north of the Shelburne Farms utility road, Sugar Bush Road. This road is private and less utilized than Northgate Road, the main road that is used to access the historic Shelburne Farms Inn and Coach Barn.

The Project will not be visible from any public roads or private properties that adjoin Shelburne Farms. It has also been sited to minimize impacts on views from other parts of the property and from Lake Champlain. The Project site is surrounded by hedgerows and tree stands that will provide visual screening from all directions. In particular, a dense tree stand to the direct west of the Project as well as a gradual knoll will block any view of the Project from the area around the Coach Barn and from Lake Champlain. As a result of the very limited visibility, and given the Project's siting next to a similar solar field, the Project will not have an adverse impact on aesthetics, let alone an undue adverse impact.

The proposed project site is on the same parcel of land (comprised of approximately 1,400 acres) as several historic structures that are part of Shelburne Farms. In 2010 the VT Division of Historic Preservation (VDHP) reviewed GMP's net metering plant located adjacent to the proposed Project site, and determined that there would be no adverse effect on historic resources. In 2011, Shelburne Farms requested that VDHP review a new array that was proposed to be adjacent to the GMP facility (the same

as Farm Solar, LLC's proposed site).[1] VDHP replied that a solar facility at this site would not have an adverse effect on historic resources. The VDHP letter is attached as Exhibit FS-2.

The project area will not be fenced in, similar to the existing GMP array, and there will be no nighttime illumination of the project area.

See Section 5 for further information on how the Project meets the Town of Shelburne's screening requirement for solar facilities.

3 & 4 Site Plans & Project Impacts:

Project plans (Exhibit FS-1) (11 x 17) are attached showing:

- A01, Project locator map
- A02, Project site plan
- A03, Array elevation
- A04, Project area contour map
- A05, Property boundaries and setbacks
- A06, Site natural resource features
- A07, Project soils map

The project will not require any new utility infrastructure, access roads, or vegetative clearing.

The project is sited on agricultural soils classified as Statewide B. Impact to these soils will be limited to trenching for electrical conduit and driving foundation piles. Approximately 425' of conduit trench will be dug to a depth of 36" and approximately 140 steel foundation piles will be driven. These activities will not impact or remove any of the soils from the site.

5. Municipal Requirements:

The Town of Shelburne has recently adopted the "Solar Electric Generation Facility Siting Standards Ordinance" (July 26, 2016). The Project, at 150 kW in size, is defined by the new ordinance as a "community-scale" project. Within the ordinance, there is a specific section for "Landscaping and Screening Requirements for Solar Electric Generation Facilities." Farm Solar, LLC has reviewed this section of the ordinance for screening requirements that may apply to the Project, as required by section 248(b)(1)(B). The Project meets or exceeds potentially applicable screening requirements, as follows:

- *"Ground mounted solar electric generation facilities shall be screened from view from public roads and sidewalks." Solar Ordinance, page 5.*
    - The Project is not visible from any public road or sidewalk.
- *"The use of existing vegetation and natural landscaping materials is the preferred method of screening." Solar Ordinance, page 5.*

[1] The Shelburne Farms solar project was never built.

- The Project is visually screened by an existing hedgerow to the south, stands of trees to the east and north, and a large knoll to the west. Due to this existing vegetation, no additional screening is needed to screen the Project from roads and residences.

- *"Ground mounted solar electric generation facilities shall be screened from adjacent roads and adjoining residential uses." Solar Ordinance, page 5.*

  - The Project is screened by a hedgerow from the adjacent private road known as Sugar Bush Road. The nearest private residence that is not owned by Shelburne Farms (the landowner of the Project site), is approximately 1,372 feet from the nearest edge of the proposed solar array. The array site is not visible from the residence due to screening by trees and hedgerows. Shelburne Farms has approved the project's siting, layout, and screening.

- "*It is expected that screening will create a year-round visual barrier screening the ground mounted solar electric generation facility from residences within 500 feet of the project. . . ." Solar Ordinance, page 5.*

  - There are no residences within 500 feet of the Project. There is year-round visual screening of the array from residences located on Shelburne Farms.

- *"Solar electric generation facilities and accessory structures are to be designed and constructed of materials, colors, and textures that blend into the surrounding natural or built environment to the extent feasible." Solar Ordinance, page 6.*

  - The solar facility will use panels with a non-reflective surface, and racking equipment will be substantially the same form and color as the adjacent GMP facility.

A copy of the Shelburne Solar Ordinance is attached as Exhibit FS-3.

Exhibit FS-1
CPG #16-____-NMP

L..W. SEDDON, LLC
13 Bailey Ave.
Montpelier, VT 05602 USA
Tel: 802-272-7284

Client:
Farm Solar, LLC
c/o Phil & Crea Lintilhac
886 N Gate Rd.
Shelburne, VT 05482

Project:
150 kW NM Array
Shelburne Farms Solar
Shelburne, VT

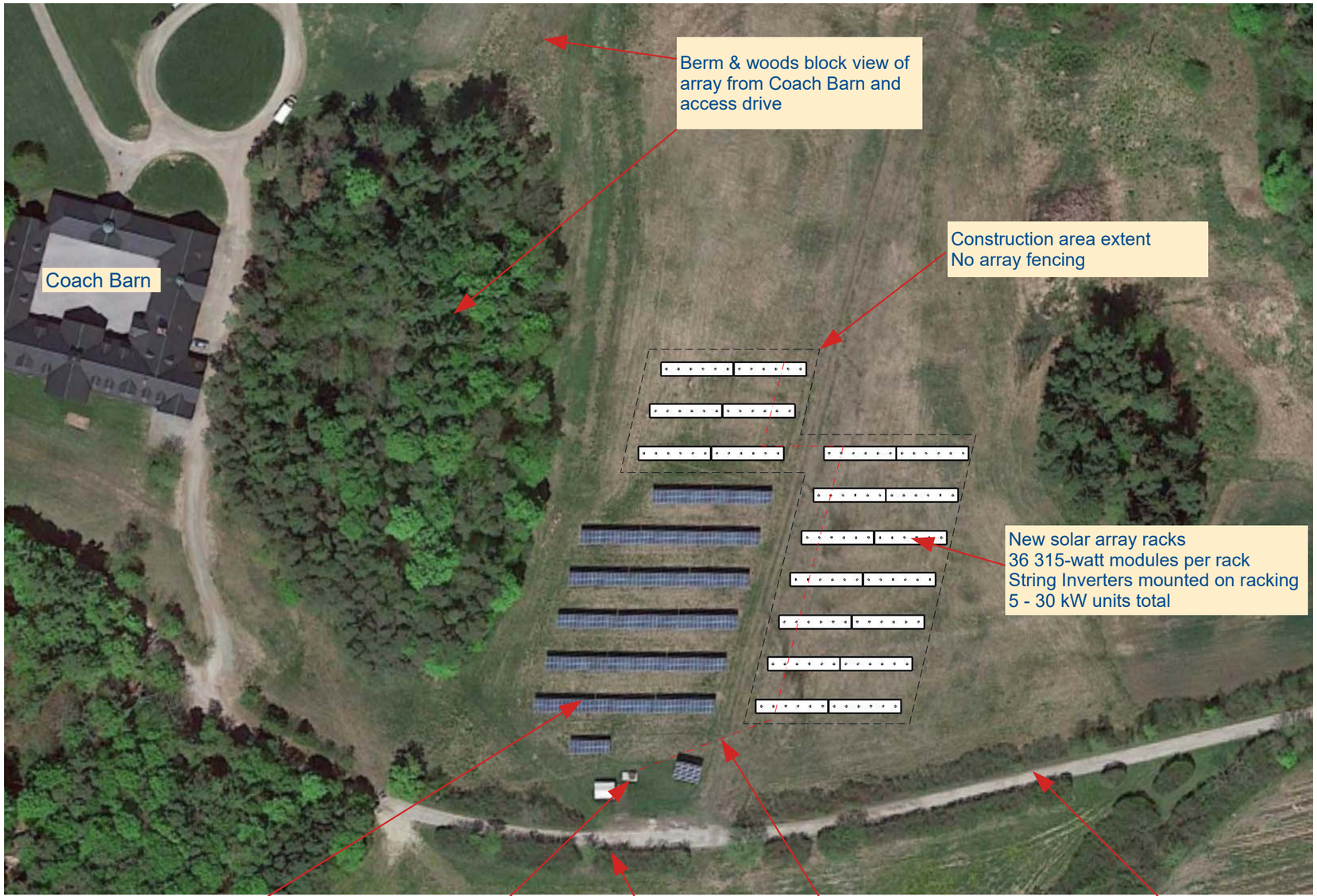
Array Size DC: 226.8 kW
System Size AC: 150 kW
Inverter Type: SMA 30 kW, 1000 V
Module: 315 watt, 72 cell
Mounting: Pile Driven
Module tilt: 30 degrees
Azimuth: 180 degrees (true)

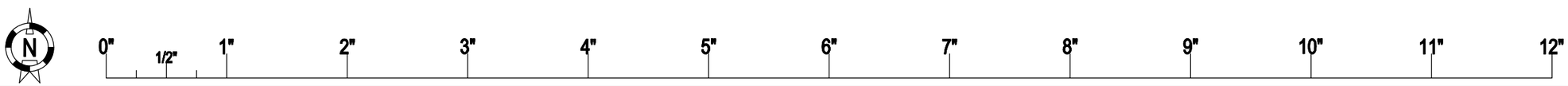
Vers	By	Date	Changes
3	LWS	15-Sep-2016	For Permitting

Drawing:
PV-A01

Description:
Project Locator Map

Scale:
As shown on image
(Printed 11x17)





L..W. SEDDON, LLC
13 Bailey Ave.
Montpelier, VT 05602 USA
Tel: 802-272-7284

Client:
Farm Solar, LLC
c/o Phil & Crea Lintilhac
886 N Gate Rd.
Shelburne, VT 05482

Project:
150 kW NM Array
Shelburne Farms Solar
Shelburne, VT

Array Size DC: 226.8 kW
System Size AC: 150 kW
Inverter Type: SMA 30 kW, 1000 V
Module: 315 watt, 72 cell
Mounting: Pile Driven
Module tilt: 30 degrees
Azimuth: 180 degrees (true)

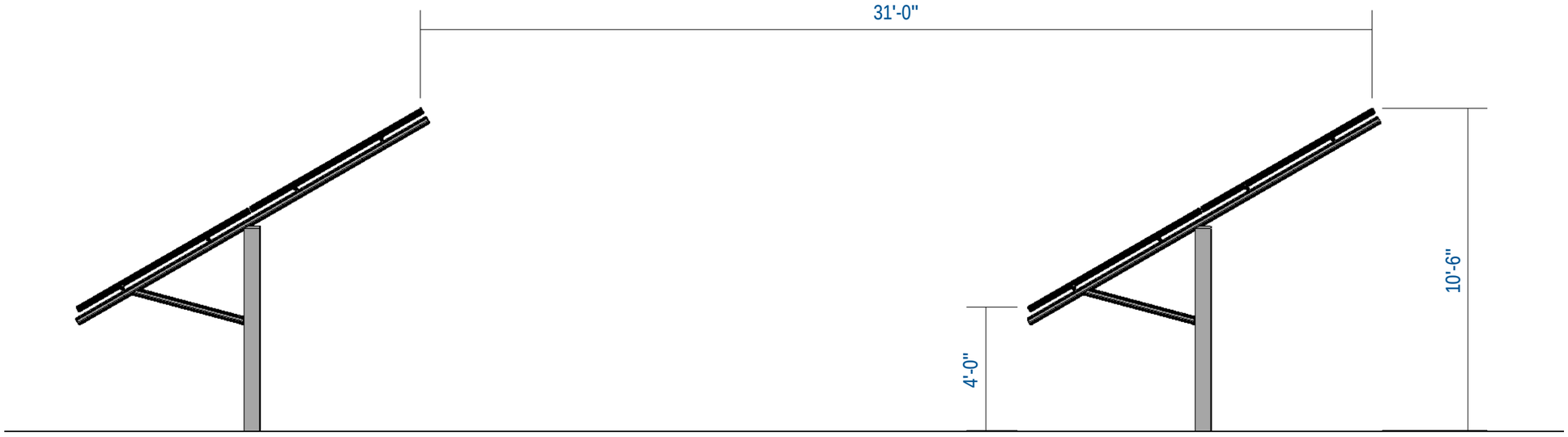
Vers	By	Date	Changes
3	LWS	15-Sep-2016	For Permitting

Drawing:
PV-A02

Description:
Project Site Plan

Scale:
1" = 100'
(Printed 11x17)

Not for Construction



Typical Rack Height & Row Repeat Distance

L..W. SEDDON, LLC
13 Bailey Ave.
Montpelier, VT 05602 USA
Tel: 802-272-7284

Client:
Farm Solar, LLC
c/o Phil & Crea Lintilhac
886 N Gate Rd.
Shelburne, VT 05482

Project:
150 kW NM Array
Shelburne Farms Solar
Shelburne, VT

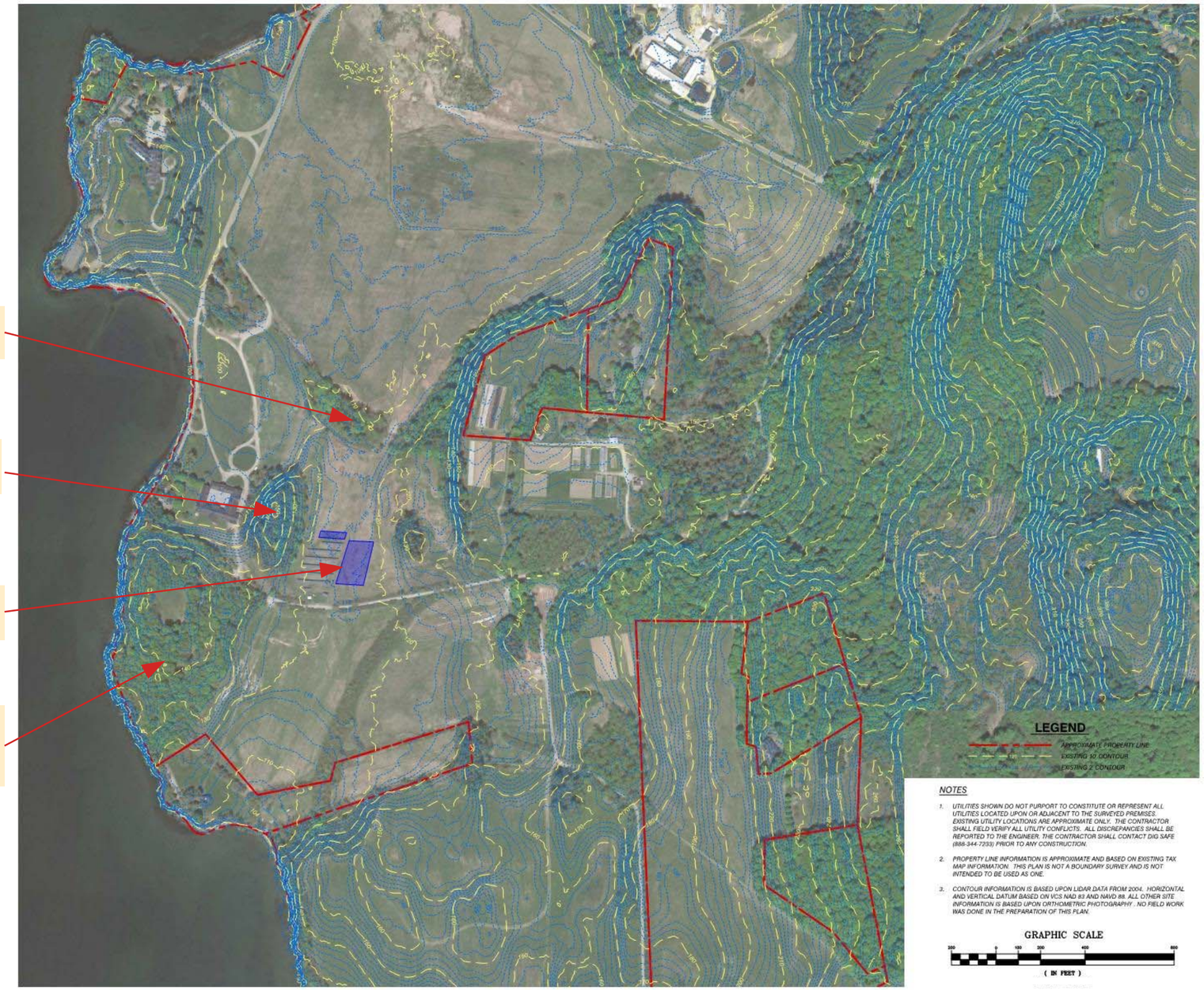
Array Size DC: 226.8 kW
System Size AC: 150 kW
Inverter Type: SMA 30 kW, 1000 V
Module: 315 watt, 72 cell
Mounting: Pile Driven
Module tilt: 30 degrees
Azimuth: 180 degrees (true)

Vers	By	Date	Changes
3	LWS	15-Sep-2016	For Permitting
			-

Drawing:
PV-A03

Description:
Array Elevation

Scale:
1/4" = 1'
(Printed 11x17)



L..W. SEDDON, LLC
13 Bailey Ave.
Montpelier, VT 05602 USA
Tel: 802-272-7284

Client:
Farm Solar, LLC
c/o Phil & Crea Lintilhac
886 N Gate Rd.
Shelburne, VT 05482

Project:
150 kW NM Array
Shelburne Farms Solar
Shelburne, VT

Array Size DC: 226.8 kW
System Size AC: 150 kW
Inverter Type: SMA 30 kW, 1000 V
Module: 315 watt, 72 cell
Mounting: Pile Driven
Module tilt: 30 degrees
Azimuth: 180 degrees (true)

Vers	By	Date	Changes
3	LWS	15-Sep-2016	For Permitting

Drawing:
PV-A04

Description:
Site Contours & Viewshed

Scale:
See scale bar in map
(Printed 11x17)

Note: The distances shown are to the nearest property line and residence not owned by Shelburne Farms

L..W. SEDDON, LLC
13 Bailey Ave.
Montpelier, VT 05602 USA
Tel: 802-272-7284

Client:
Farm Solar, LLC
c/o Phil & Crea Lintilhac
886 N Gate Rd.
Shelburne, VT 05482

Project:
150 kW NM Array
Shelburne Farms Solar
Shelburne, VT

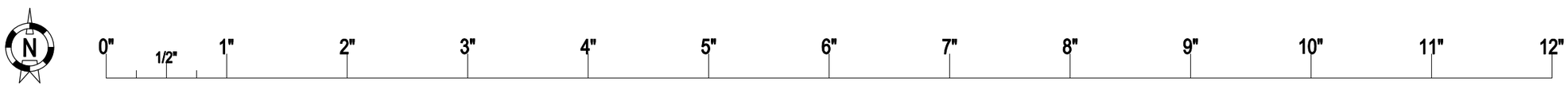
Array Size DC: 226.8 kW
System Size AC: 150 kW
Inverter Type: SMA 30 kW, 1000 V
Module: 315 watt, 72 cell
Mounting: Pile Driven
Module tilt: 30 degrees
Azimuth: 180 degrees (true)

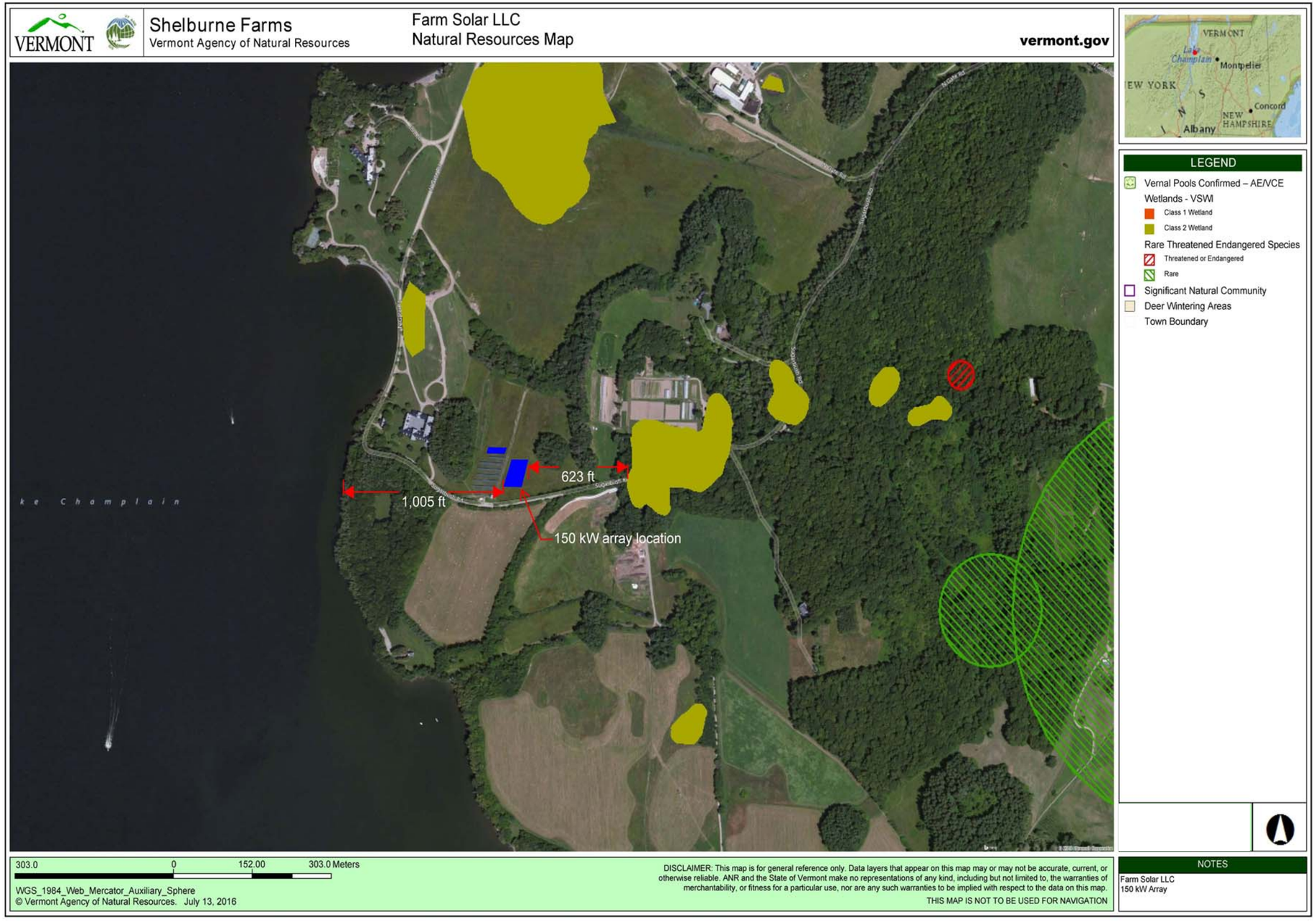
Vers	By	Date	Changes
3	LWS	15-Sep-2016	For Permitting

Drawing:
PV-A05

Description:
Site distances to array

Scale:
1" = 1100'
(Printed 11x17)





0" 1/2" 1" 2" 3" 4" 5" 6" 7" 8" 9" 10" 11" 12"

L..W. SEDDON, LLC
13 Bailey Ave.
Montpelier, VT 05602 USA
Tel: 802-272-7284

Client:
Farm Solar, LLC
c/o Phil & Crea Lintilhac
886 N Gate Rd.
Shelburne, VT 05482

Project:
150 kW NM Array
Shelburne Farms Solar
Shelburne, VT

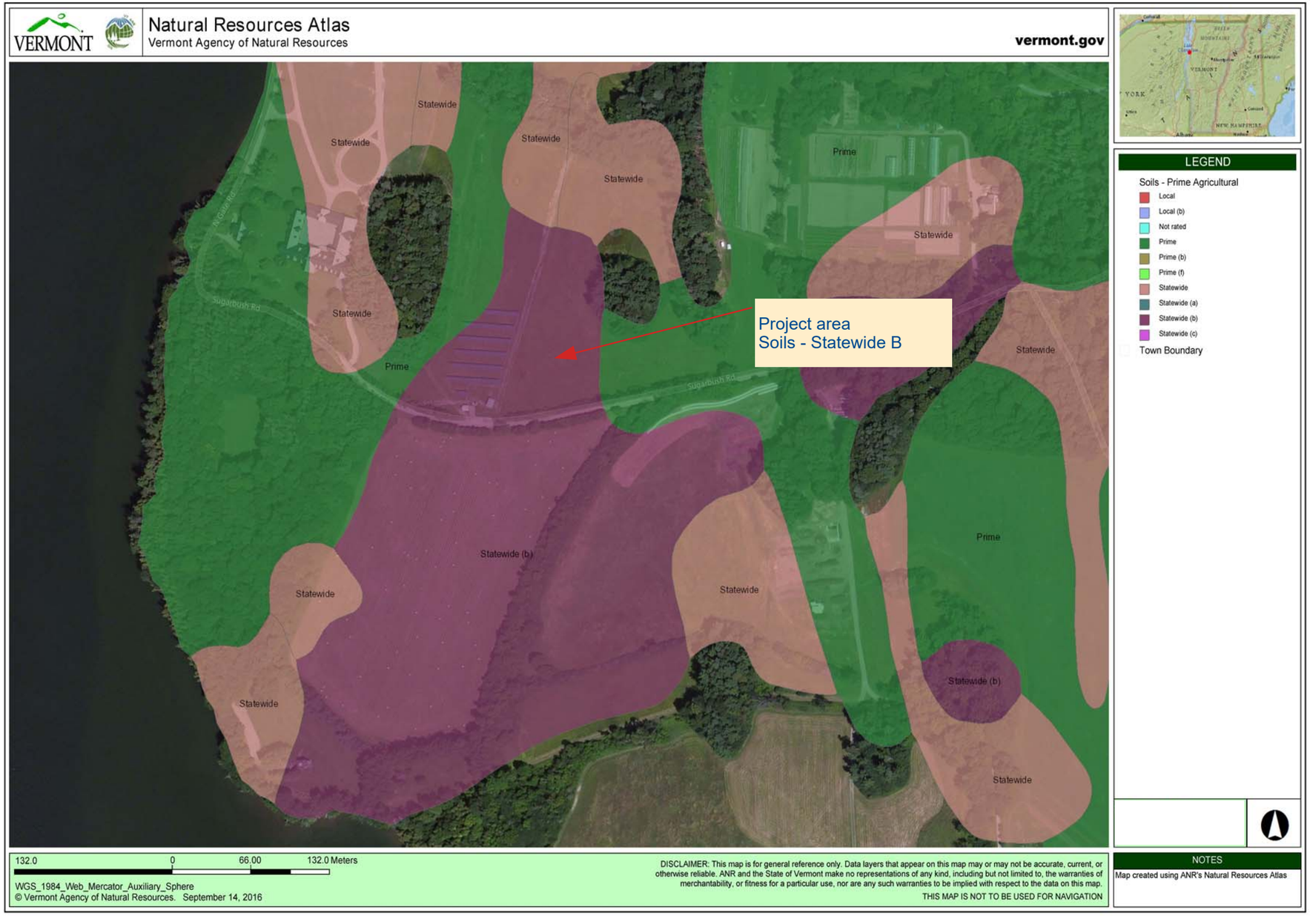
Array Size DC: 226.8 kW
System Size AC: 150 kW
Inverter Type: SMA 30 kW, 1000 V
Module: 315 watt, 72 cell
Mounting: Pile Driven
Module tilt: 30 degrees
Azimuth: 180 degrees (true)

Vers	By	Date	Changes
3	LWS	15-Sep-2016	For Permitting

Drawing:
PV-A06

Description:
Natural Resources Map

Scale:
1" = 500'
(Printed 11x17)



0" 1/2" 1" 2" 3" 4" 5" 6" 7" 8" 9" 10" 11" 12"

L..W. SEDDON, LLC
13 Bailey Ave.
Montpelier, VT 05602 USA
Tel: 802-272-7284

Client:
Farm Solar, LLC
c/o Phil & Crea Lintilhac
886 N Gate Rd.
Shelburne, VT 05482

Project:
150 kW NM Array
Shelburne Farms Solar
Shelburne, VT

Array Size DC: 226.8 kW
System Size AC: 150 kW
Inverter Type: SMA 30 kW, 1000 V
Module: 315 watt, 72 cell
Mounting: Pile Driven
Module tilt: 30 degrees
Azimuth: 180 degrees (true)

Vers	By	Date	Changes
3	LWS	15-Sep-2016	For Permitting
			-

Drawing:
PV-A07

Description:
Project Soils Map

Scale:
See scale bar in map
(Printed 11x17)

Exhibit FS-2
CPG #16-____-NMP

VERMONT

State of Vermont
Division for Historic Preservation
One National Life Drive, Floor 6
Montpelier, VT 05620-0501
www.HistoricVermont.org

[phone] 802-828-3211
[division fax] 802-828-3206

Agency of Commerce and Community Development

July 15, 2011

Alec Webb
Shelburne Farms
1611 Harbor Road
Shelburne, VT 05482

Re: Phase II Solar Orchard Expansion at Shelburne Farms, Shelburne, VT
PSB

Dear Mr. Webb:

Thank you for the opportunity to comment on the above-referenced project involving the Public Service Board. Scott Dillon and Devin Colman, Vermont Division for Historic Preservation, conducted a site visit to the project area on April 28, 2010. The purpose of the site visit was to identify potential effects on historic resources in the project area, including visual impacts on historic buildings and direct impacts on archeological resources. Our comment letter for Phase I of the project, dated July 13, 2010, determined that there would be No Adverse Effect on historic resources.

You are seeking a Certificate of Public Good from the Public Service Board, which uses the Act 250 Criteria to evaluate impacts. Therefore, the Division has reviewed this proposed undertaking for purposes of Criterion 8 of Act 250. The purpose of the Division's review is to provide the Public Service Board with the information necessary for them to make a positive finding under the "historic sites" aspect of Criterion 8. For further information regarding the Division's Act 250 rules, please see our website at http://www.historicvermont.org/general/rules.htm.

The proposed project involves the expansion of the existing ground-mounted 150 kW solar electric system on the Shelburne Farms property. The Phase II expansion will add 50.4 kW with three new rows of panels installed in line with and to the north of the existing system. Shelburne Farms is a National Historic Landmark, and it is important that any proposed projects comply with the *Secretary of the Interior's Standards.* The project area is located east of the Coach Barn in an unused agricultural field. The installation has been carefully sited and planned to minimize its visibility and impact on the land. As a result, it will not be visible from any of the historic buildings on the Shelburne Farms property, and will be largely screened by a tall, dense hedgerow along an adjacent utility road and a nearby stands of mature trees.

Scott Dillon, Survey Archaeologist for the Division, has reviewed the proposed project for its potential effects on archaeologically sensitive areas and has determined that the project area is not likely to yield information important to prehistory as the site has been previously disturbed. Further archaeological studies are not necessary. Based on the materials submitted for review, it is our opinion and our recommendation to the Public Service Board that the proposed Phase II project will have No Adverse Effect on historic resources.

If you have any questions or need clarification regarding any of the above, please do not hesitate to contact Devin Colman, Historic Buildings Specialist, at devin.colman@state.vt.us or 802-828-3043. Mr. Colman reviewed this project and prepared this letter. I concur with the findings and conclusions described above.

Sincerely,
VERMONT DIVISION FOR HISTORIC PRESERVATION

Giovanna Peebles
State Historic Preservation Officer

Cc: Julie Kelliher, Agency of Commerce and Community Development
Dennis R. Reidenbach, Northeast Regional Director, National Park Service
Bill Brookover, Northeast Regional Office, National Park Service

Town of Shelburne, Vermont

CHARTERED 1763

P.O. BOX 88 5420 SHELBURNE ROAD SHELBURNE, VT 05482

Clerk/Treasurer	Town Manager	Zoning & Planning	Assessor	Recreation	FAX Number
(802) 985-5116	(802) 985-5111	(802) 985-5118	(802) 985-5115	(802) 985-5110	(802) 985-9550

TOWN OF SHELBURNE
SOLAR ELECTRIC GENERATION FACILITY SITING STANDARDS ORDINANCE

The scale and siting of future solar electric generation facility installations in the Town of Shelburne and other Vermont communities raises concerns about the negative impacts that such facilities can have on the Town's residential neighborhoods and its scenic, natural, agricultural, and historic resources. As a result, the Shelburne Planning Commission has developed community siting standards for consideration by the municipality and the Public Service Board (PSB). These standards are intended to avoid and mitigate potential impacts of solar electric generation facility development, while promoting new installations in appropriate locations and achieving proportionality with respect to Shelburne's contribution to State-wide renewable energy targets.

Authority

This Ordinance is authorized and enacted pursuant to 24 V.S.A. §§ 2291(28), 4414(15), 30 V.S.A. § 248(b)(1)(B), and 24A V.S.A. § 147-1.6.

SOLAR ELECTRIC GENERATION FACILITY SITING AND DEVELOPMENT

Background

Electricity generation and transmission systems powered by solar energy are regulated by the PSB under 30 V.S.A. Section 248 (so-called Section 248 PSB proceedings). These include net-metered distributed energy installations, as well as commercial, utility-scale generation, transmission and distribution facilities. Pursuant to Section 248, the Shelburne Planning Commission, the Chittenden County Regional Planning Commission, and the Shelburne Selectboard will receive notice of a Certificate of Public Good (CPG) application for any such solar electric generation facility proposed to be located in Shelburne. In determining whether to provide a proposed solar electric generation facility project with a CPG, the PSB must give "*due consideration*" to the recommendations of the municipal and regional planning commissions, the Shelburne Selectboard, and the land conservation measures contained in Shelburne's Comprehensive Plan. *See 30 V.S.A. §248(b)(1).*

The PSB must also determine whether a proposed solar electric generation facility will have an "*undue adverse effect*" on aesthetics, historic sites, air and water purity, the natural environment, the use of natural resources, and the public health and safety, with due consideration having been given to the criteria specified in 10 V.S.A. § 1424a(d) (outstanding resource waters) and the Act 250 criteria set forth in 10 V.S.A. §6086(a)(1) through (8) and 9(K). *See 30 V.S.A. §248(b)(5).*

To determine whether a proposed solar electric generation facility will have an adverse impact on the considerations set forth as identified in §248(b)(5) above, PSB Rule 5.108(A) requires the PSB to conduct the so called "*Quechee analysis*" to assess whether a proposed solar electric generation project would have an adverse impact by virtue of being "out of character with its surroundings," and if so, whether the adverse impact qualifies as "undue." See *Rule 5.108(A).* The PSB therefore must consider "the nature of the project's surroundings, the compatibility of the project's design with those surroundings, the

suitability of the project's colors and materials with the immediate environment, the visibility of the project, and the impact of the project on open space." See *Rule 5.108(A)(1).*

A solar electric generation facility project's location, size, and visibility, together with the context of the surrounding land uses, will be relevant in the PSB's consideration of whether the proposed project would have an undue adverse impact. Among other things, the *Quechee* analysis requires the PSB to consider whether the proposed project would violate a "*clear written community standard*". Therefore, the effective participation of the Town of Shelburne in the PSB's Section 248 review process requires the development of specific community standards in order to ensure that local conservation and development objectives are appropriately considered and weighed by the PSB in connection with its review of a CPG application for a solar electric generation facility project pursuant to Section 248. Toward that end, the Shelburne Planning Commission has developed the following specific community standards for the siting and development of a solar electric generation facility in the Town of Shelburne.

SHELBURNE COMMUNITY STANDARDS REGARDING SOLAR ELECTRIC GENERATION FACILITIES

Purpose

The purpose of these community standards is to regulate the development of solar electric generation facilities in the Town of Shelburne. These policies, goals and requirements should also be considered in undertaking municipal solar electric generation facility projects and programs, in enacting or updating the Town of Shelburne's zoning bylaws and the Town of Shelburne's Comprehensive Plan to address solar electric generation facility development and in connection with the review of new or upgraded solar electric generation facilities and systems by the Town of Shelburne and in Section 248 PSB proceedings.

Goals

Promote protection of scenic viewsheds in Shelburne by promoting effective screening requirements to shield neighboring properties, where possible, from direct visual connection with solar electric generation facilities.

Policies

1. New solar electric generation facility development in the Town of Shelburne must conform to adopted community standards for energy facility siting and design to receive municipal support or approval.
2. Encourage small-scale and appropriately sited development of renewable energy generation facilities. Such encouragement should consider, but not be limited to the prevention of:
    a. Undue adverse visual impacts on adjacent properties, scenic corridors and Town of Shelburne view sheds;
3. The Town may participate before the PSB in Section 248 review of new and upgraded solar electric generation and transmission facilities as necessary to ensure that adopted community standards are given due consideration in proposed solar electric generation facility development.
4. The Town of Shelburne, in collaboration with the Chittenden County Regional Planning Commission, neighboring communities and utilities serving the Town, will participate in long-range utility planning to ensure that adopted Comprehensive Plan policies and written community standards are identified and considered in future renewable energy planning and development activities.

General Standards for Solar Electric Generation Facilities

The Town of Shelburne supports the following appropriately sited types of solar electric generation facility development. For purposes of this ordinance, "*appropriately sited*" shall be defined as renewable energy generation facilities which satisfy the site plan application and review process, as well as the setback, screening and related aesthetic standards described herein. *Small-scale* renewable energy projects are defined as those that generate up to 15 kilowatts (kW) of power. *Community-scale* renewable

energy projects generate greater than 15 kW up to 1 megawatt (Mw), and *utility-scale* renewable energy projects generate over 1 Mw. Small and community scale projects shall be considered *locally sourced*, meaning the energy produced by such facilities is produced and used in Vermont. Utility projects generate power that is available to the broader market. Generated kW power shall be measured in direct current (DC).

Designation of Municipal Body to Make Act 248 Recommendations
The Town of Shelburne Selectboard is hereby designated as the authorized municipal body to make recommendations in connection with any applications subject to proceedings under 30 V.S.A. §248 to which this ordinance may apply.

Use Classification
A small-scale solar electric generation facility intended solely to serve an individual residence or business shall be considered an accessory structure allowed in all zoning districts in which accessory structures are allowed.

Larger scale renewable energy generation projects, including community-scale and utility-scale solar electric generation facilities; transmission and distribution lines; group, net-metered facilities; substations; and other projects requiring a CPG from the PSB shall be reviewed by the Selectboard tilizing the standards and requirements set forth herein prior to or contemporaneously with the PSB consideration of such project.

Prioritization
The Town of Shelburne will support the following types of renewable energy development in order of priority:

- Increased system capacity through state, utility and municipally-supported energy efficiency and conservation programs.
- Individual and small-scale renewable and distributed energy projects.
- In-place upgrades of existing renewable electric generation facilities, including transmission and distribution lines and substations.
- New community-scale and renewable and distributed energy projects.

Natural and Scenic Resources
Land development in the Town of Shelburne is evaluated and sited so as to avoid and/or minimize impacts to the following natural and scenic resources as identified in Shelburne's Comprehensive Plan and Zoning By-Laws:

- Land in active agricultural use,
- Primary agricultural soils,
- Surface waters, wetlands and associated setback and buffer areas,
- Lakeshore setback and buffer areas,
- Historic districts, sites and structures (as listed in Vermont State Historic Register or elsewhere in applicable Town of Shelburne zoning districts),
- Scenic views and vistas (as identified in Shelburne Comprehensive Plan's Significant Views Map), and
- Conserved land on adjacent parcels.

Burial. Utility controls and on-site line connections shall be wireless or buried, except at the point of connection with distribution lines, and designed and located so as to minimize disruption to wildlife habitat, agricultural lands, and scenic areas.

Signs. Solar electric energy generation facilities and structures shall not be used for display or advertising purposes. Except for owner and manufacturer identifications and safety warnings that do not exceed three (3) square feet in total area, all signs are prohibited on all such structures. Signs shall not

be higher than 10 feet from the average grade of the surrounding ground to the highest point of the sign or supporting structure, whichever is higher.

Lighting. Solar electric generation facility lighting should be the minimum necessary for site monitoring and security, should be cast downward, and must not result in light trespass or glare on adjoining properties.

Access to Solar Electric Generation Facilities. Solar electric generation facilities shall be sited in a manner that avoids or, to the greatest extent physically feasible, minimizes the need for new and extended access roads and utility corridors. Facility access should be provided from existing access roads where physically feasible, and access roads and utility corridors should be shared wherever feasible. Identified impacts to public highways from solar electric generation facility construction, operation and maintenance, including highway improvements required to accommodate the facility, shall be mitigated by the developer.

Application Procedure

Applications for site plan review pursuant to this ordinance shall be received by the Shelburne Planning and Zoning Office, forwarded to the Town Manager, and directed to the Selectboard, which shall, when the application is deemed complete, consider the application at a regularly scheduled meeting. The applicant or the applicant's representative shall attend the meeting. The Selectboard shall render a decision within forty-five (45) days of the conclusion of the meeting at which the application is considered.

Site Plan Review For Solar Electric Generation Facilities.

Site Layout and Design. Sites planned for or intended to accommodate solar electric generation facility development, including the location of existing and planned commercial and net-metered generation facilities and utility corridors, shall submit to the Selectboard a site plan showing the proposed solar electric generation facility. In determining whether to issue a recommendation in support of or against a solar electric generation facility at the Public Service Board, the Selectboard shall ensure that the size, scale, arrangement and appearance of the proposed solar electric generating facility is compatible with its setting and context, and that the facility will not have an undue adverse aesthetic impact on site features or on adjoining properties or its surroundings. To achieve a positive recommendation from the Selectboard, the applicant may be required to meet conditions to ensure that the solar electric generation facility is compatible with its setting and context to obtain a positive recommendation from the reviewing board. To obtain a positive recommendation, the reviewing board may impose the following conditions:

(a) The Selectboard may require increased setback distances from property lines or public rights-of-way in relation to the height, scale, massing or density of development, and landscaping or screening to mitigate the visual impacts of development.
(b) Structures should be architecturally and visually compatible with historic structures on the site and in the vicinity of the development.
(c) The Selectboard shall require the submittal of a visual impact analysis for community and utility-scale solar electric generation facility projects and may also require such an analysis for smaller projects where adverse aesthetic impacts are in question. The visual analysis shall address views from sensitive viewing areas and adjoining properties and shall explain measures taken by the developer to mitigate impacts of the project. Particular efforts should be made to prevent a project from becoming the focal point of scenic views.
(d) Solar electric generation facilities with a generation capacity of greater than 100 kW shall not be located within the Village Overlay and Design Review District or on any of the properties set forth on Table 1.4.1 to the Shelburne Road Form-Based Overlay District.
(e) The installation of solar electric generation facilities in the Village Overlay and Design Review District or on any of the properties set forth on Table 1.4.1 to the Shelburne Road

Form-Based Overlay District shall be done in accordance with current Secretary of the Interior's Standards for Rehabilitation.

Proposed Site Plan. The site plan of the entire solar electric generation facility site, indicating all improvements, including landscaping, utility lines, screening, and roads, at the same scale as or larger than the Existing Conditions Plan shall show the following:

(a) Proposed facility location and any appurtenances. It shall indicate property boundaries and setback distances to the base(s) of the solar electric generation facility's platform and the nearest corners of each of the appurtenant structures to those boundaries, and dimensions of all proposed improvements.
(b) Proposed spot elevations at the base of the proposed solar electric generation facility.
(c) Proposed utilities, including distance from source of power, sizes of service available and required, locations of any proposed utility lines.
(d) Any direct or indirect wetlands alteration proposed.
(e) Detailed plans for drainage of surface and sub-surface water, to control erosion and sedimentation both during construction and as a permanent measure.
(f) Plans indicating locations and specifics of proposed screening, landscaping, grading, ground cover, fencing, lighting, signs and additional information that may be required.
(g) Site plans shall incorporate landscaping and screening which preserves and incorporates existing vegetation, is suited to existing site conditions, enhances development and features unique to the site, integrates the development and site with surrounding properties, and serves to buffer or screen the solar electric generation facility from neighboring properties or public rights-of-way.
(h) The reviewing board may also require a three (3) year landscaping plan.

Landscaping and Screening Requirements For Solar Electric Generation Facilities.

General. Ground mounted solar electric generation facilities shall be screened from view from public roads and sidewalks. Screening shall be treated as an integral part of the Section 248 application review process. The use of landscaping and natural screening materials is encouraged, and may be required to lessen the visual impact of such facilities. The use of existing vegetation and natural landscaping materials is the preferred method of screening. Applicants shall ensure that any required new landscaping will preserve the character of the existing neighborhood (i.e. vegetation should be indigenous to the area, large enough to do well, and planted at intervals in keeping with other neighborhood foliage). Existing site vegetation shall be maintained to the greatest extent practicable. The Reviewing board may require undertakings for the care and maintenance of plantings, including removal of dead or diseased trees or shrubs. The Selectboard may approve fencing, if it determines the aforementioned preferred methods are impractical. The Selectboard may require increased setbacks, buffers, landscaping, screening or building design modifications to mitigate the physical and visual impacts of ground-mounted solar electric generation facilities on adjoining properties, and to maintain the historic appearance and integrity of historic structures. Landscaping plans shall be prepared by a landscape architect, master gardener, nursery professional, arborist, professional landscape designer, or other qualified landscape professional.

Ground mounted solar electric generation facilities shall be screened from adjacent roads and adjoining residential uses. Vegetation used for this purpose may include both conifers for winter screening and deciduous plants to provide summer shade and to create an overhead canopy. At planting, conifers shall be at least five (5) feet tall and deciduous trees shall be at least 2.5 inches in diameter at breast height, and shall be planted no closer than 40 feet from the traveled portion of the adjoining road so as to prevent winter salt kill. Screening may also include features such as berms, low walls or fences, where such features are incorporated into an overall landscape design. Screening may also be achieved by placing smaller buildings between the solar electric generation facility and the road or adjoining residential uses.

It is not expected that screening will create an impenetrable visual barrier with respect to vehicular traffic, pedestrian or other travelers on the road or lands adjacent to the solar electric generation facility. Rather, for those temporarily traveling through the area, the objectives of screening are:

1. To create a pleasant streetscape,
2. To create a visual edge for the public space along the street, and
3. To prevent unobstructed views of the solar electric generation facility.

It is expected that screening will create a year-round visual barrier screening the ground mounted solar electric generation facility from residences within 500 feet of the project. No more than 20% of the solar electric generation facility shall be visible from any part of a residence and its immediate surrounding ½ acre, nor shall more than 60% of the solar electric generation facility be visible from outbuildings or other residential property within 500 feet of the solar electric generation facility. Solar electric generation facilities and accessory structures are to be designed and constructed of materials, colors, and textures that blend into the surrounding natural or built environment to the extent feasible.

Plantings shall be of sufficient height, density and maturity to achieve the aforementioned screening standard from the day of planting, and shall be maintained so as to provide the appropriate screening standard set out above. Maintenance of landscaping and screening shall be the responsibility of the property owner. Dead, dying or diseased plants shall be promptly removed and replaced as soon as possible, consistent with good landscape planting practices.

The screening standards set forth above shall be achieved entirely within the property containing the solar electric generation facility, and not on "borrowed" lands or lands of any affected property owner. Whenever possible, healthy native vegetation shall be preserved and native plantings shall be used and incorporated into the screening to prevent an artificial look. Clear cutting of the property is specifically discouraged.

Severability

If any portion of this ordinance is held unconstitutional or invalid by a competent court or entity with jurisdiction, the remainder of this ordinance shall not be affected.

Adopted July 26, 2016

By the Shelburne Selectboard

Gary von Stange, Chair | Colleen Parker, Vice-Chair | John D. Kerr

Josh Dein | Jerry Storey

State of Vermont *Agency of Natural Resources*

Certificate of Public Good Application Fee Form

Use this form for applications filed **on or after** July 1, 2015

Title 30, Section 248b establishes fees for the purpose of supporting the role of the Agency of Natural Resources (the Agency) in reviewing applications for in-state facilities under Sections 248a and 248 of said title. When applying for Public Service Board (PSB) approval of an in-state facility under Sections 248a and 248, complete this form and provide a copy of the completed form and the fee payment to the Agency and a copy of the form to the PSB as part of the application.

Project Name: Shelburne Farms Solar
Street Address: 1611 Harbor Road, Shelburne, VT 05482
Description: 150 kW net metered solar
Applicant: Farm Solar, LLC
Date: 08/12/16

Fees shall be calculated as follows:

1. There shall be no fee for an electric generation facility less than or equal to 139kW in plant capacity* or for an application filed under subsection 248(k), (l), or (n) of Title 30.

2. The fee for **electric generation facilities greater than 139kW through five MW in plant capacity*** shall be calculated as follows, except that in no event shall the fee exceed $15,000:

   A. Electric generation facility from 140kW through 450kW: $3.00 per kW
   B. Electric generation facility from 451kW through 2.2MW: $4.00 per kW
   C. Electric Generation Facility from 2.201MW through 5MW: $5.00 per kW

Fee Calculator:

kW plant capacity*	X Rate ($3, $4 or $5)	= Fee (not to exceed $15,000)
150	$ 3.00	$ 450.00

3. The fee for a **new electric generation facility greater than 5MW in plant capacity***, and for a **new electric transmission facility** or a **new natural gas facility** not eligible for treatment under subsection 248(j) of Title 30, shall be equal to $2.50 for each $1,000 of construction costs**, but in no event greater than $100,000.

Fee Calculator:

$ construction costs**	/ 1,000	X 2.50	= Fee (not to exceed $100,000)

Upon commissioning of the facility, complete a Certification of Actual Construction Costs form and submit to the Agency, per form instructions.

The fee for an **application under subsection 248(j) of Title 30 for a facility that is *not* electric generation** and for an application or that portion of an application under section 248 of Title 30 that consists of **upgrading an existing facility within its existing development footprint**, **reconductoring of an electric transmission line on an existing structure**, or **the addition of an electric transmission line to an existing structure**, shall be $2,500.

Fee Calculator:

Type of Project	Rate	= Fee
Non-electric generation project filed under 248(j)	$2,500	
Upgrading an existing facility within its existing development footprint	$2,500	
Reconductoring of an electric transmission line on an existing structure	$2,500	
The addition of an electric transmission line to an existing structure	$2,500	

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4. The fee for an application under section 2**48a of Title 30 for telecommunications facilities that includes a new support structure**, shall be equal to $2.50 for each $1,000 of telecommunication facility construction costs***, but in no event greater than $15,000.

Fee Calculator:

$ construction costs***	/ 1,000	X 2.50	= Fee (not to exceed $15,000)

Upon commissioning of the facility, complete a Certification of Actual Construction Costs form and submit to the Agency, per form instructions.

TOTAL FEE	$ 450.00

State of Vermont *Agency of Natural Resources*

I attest by my signature under 13 V.S.A Sec. 3016 (False Claim) that the above is true to the best of my knowledge:

Crea Lintilhac — SIGNATURE OF APPLICANT

Crea Lintilhac — CLEARLY PRINT NAME

9/16/16 — DATE

Payment Information – For payment by check or money order, make payable to:

Vermont Agency of Natural Resources
Office of Planning and Legal Affairs
One National Life Drive, Davis 2
Montpelier, VT 05620-3905

For Electronic Payment:

TD Bank, 90 Main Street, Montpelier, VT 05602
ABA#: 011600033
Account #: 5240113051

^ For wire transfers, include a reference number and receipt of the transaction with this form.

For questions related to fee calculations or payment, or for additional information please contact:
ANR Office of Planning and Legal Affairs
ANR.Notice@vermont.gov
802-828-1295
http://www.anr.state.vt.us/site/html/OPLA.htm

DEFINITIONS:

*** Plant Capacity.** The rated electrical nameplate for a plant, except that, in the case of a solar energy plant, the term shall mean the aggregate AC nameplate capacity of all inverters used to convert the plant's output to AC power.

**** Construction Costs.** Estimated dollar value of project improvements including site preparation, buildings, roads, parking, facility components, equipment and installation, fencing, screening, stormwater infrastructure, etc.

***** Telecommunication Facility Construction Costs** calculated under 5 above do not include the antennae, related appurtenances, equipment for transmission and receipt of signals and materials design to conceal the antennas from view. They do include all construction costs associated with the installation of any new support structure and any ancillary buildings/structures, including related earthwork.