



REQUEST FOR PROPOSALS
17-01 SOLAR PHOTOVOLTAIC
SYSTEM AT MILLBROOK WELL FIELD

JULY 13, 2016

TOWN OF GREENFIELD, MA
(Awarding Authority)

Administration

Name: Carole Collins
Title: Energy Manager

Procurement Contact

Name: Marjorie L. Kelly
Title: Chief Procurement Officer

Site Visit and Pre-Bid Conference

Date: July 21, 2016
Time: 11:00 AM

Responses Due

Date: August 8, 2016
Time: 2:00 PM

TABLE OF CONTENTS

	<u>Page</u>
Section I Project Description – Overview.....	4
Section II General Information.....	4
Section III Project Description – Scope of Work.....	8
Section IV Proposal Submittal Requirements.....	11
Section V Evaluation Criteria.....	14

ATTACHMENTS:

- A Locus Map
- B Site Map
- C Existing Conditions Plan
- D Wetlands Delineation Map
- E Soil Boring Information dated 8/10/1987
- F Electricity Consumption at Project Site for Fiscal Year 2016
- G Monthly Electric Bills for January through June 2016
- H Non-Collusion and Tax Certification Forms
- I Insurance Requirements
- J Pre-Application Report dated August 20, 2014
- K MA Department of Environmental Protection Requirements
- L MA Department of Environmental Protection ORAD
- M The Large-Scale Ground-Mounted Solar Photovoltaic Installations section of the Greenfield Zoning Ordinance

ADVERTISEMENT FOR BIDDERS

SOLAR FARM II PROJECT

CITY OF GREENFIELD, MA aka TOWN OF GREENFIELD, MA

DATE OF RELEASE: July 13, 2016

This is a reissue of an RFP due to the early termination of the contract with the previously selected developer. The Town of Greenfield is requesting proposals from qualified professionals to permit, design, construct, own, operate and maintain an optimized solar photovoltaic system (PV System) on the Town's Millbrook Aquifer on 195 Log Plain Road West with the goal of securing the project in the Massachusetts SREC II market. The Town of Greenfield does not intend to own or operate the PV system.

Bid documents can be obtained online at www.greenfield-ma.gov or from the Office of Energy and Sustainability, 14 Court Square, Greenfield, MA 01301 as of **10:00 AM, July 13, 2016**. Proposals must be submitted in two separate, sealed envelopes marked "Greenfield Solar Farm II-Proposal" and "Greenfield Solar Farm II- Payment." **Proposals must be received by 2:00 pm on Monday, August 8, 2016**, at which time the register of proposals will be prepared. Late proposals will be returned unopened. Proposals are to be sent to:

Mayor's Office
Town of Greenfield
14 Court Square
Greenfield, MA 01301

A site visit and pre-bid conference has been scheduled for Thursday, July 21, 2016, at 11:00 a.m. For more information, contact the Department of Energy and Sustainability at energy@greenfield-ma.gov or 413-772-1389.

Section I: Project Description - Overview

The Town of Greenfield (Town) is seeking proposals for the installation of a Photovoltaic Generation System (PV System) to be installed on its Millbrook wellfield site, which property is within the Millbrook aquifer Zones 1 and 2. The PV System will be permitted, designed, constructed, owned and operated by the successful Selected Developer. The Town's objective is to secure this project in the SREC II market, and will provide support to the Selected Developer to facilitate achieving this goal. The Town welcomes proposal scenarios that are mindful to the current solar market in Massachusetts, and proponents may submit more than one project and/or pricing proposal.

The Millbrook well field is located at 195 Log Plain Rd. West in Greenfield and is the site of three operational gravel-packed wells within a confined aquifer. These wells supply approximately 50% of the Town's drinking water. The owner of the property is the City of Greenfield, also known as the Town of Greenfield.

The total parcel is 23 acres and contains 4.8 acres of land that, with some tree clearing, is suitable for a solar installation. The site is serviced by electrical infrastructure that allows for the operation of three 50 hp well pump motors and other associated equipment. The site has large mowed areas that are essentially flat. The site is gated, has paved access and is zoned RC (Rural Residential).

The Greenfield Conservation Commission approved a Resource Area Delineation on October 11, 2011 which is valid until 10/26/2018. Boundaries are shown on the attached Existing Conditions Plan. This plan identifies a 4.8 acre area which is not subject to the Wetlands Protection Act and Greenfield Wetlands Protection Ordinance, and an additional area which may be approved when detailed plans are submitted to the Conservation Commission by the selected developer. Greenfield is a community of approximately 18,000 residents located in the northwest region of Massachusetts. It is the largest population and employment center in Franklin County, which has a population of approximately 70,000. The Town is governed by a Mayor and a 13 member Council. Greenfield has full time professional engineering, energy management and planning staff to facilitate this project. Greenfield, being true to its name, has been on the forefront of energy conservation efforts and the pursuit of renewable energy options. Greenfield was one of the first communities in the Commonwealth to be designated a "Green Community." The Town was the first in the state to apply for a solar array on the capped landfill and since 2012, is home to a 2.0 MW solar farm that is generating enough electricity to meet over 50% of municipal electricity needs.

It is the desire of the Town to develop this solar project for the benefit of its citizens, of the environment, and to reduce reliance on fossil fuels. A Request for Proposals (RFP) is preferred to a bid process to allow the Town to evaluate multiple options and determine the project and financial arrangement that best meets the Town's interest.

Section II: General Information

A. Point of contact

Town of Greenfield, Department of Energy and Sustainability
Carole Collins, Energy and Sustainability Manager

Email: energy@greenfield-ma.gov

Phone: 413-772-1389

Address: Town of Greenfield, Department of Energy and Sustainability
14 Court Square, Greenfield, MA 01301

B. Limits of Liability

The Town of Greenfield assumes no liability for any costs incurred by Proponents in responding to this RFP or in responding to any further requests for interviews, additional information, etc. prior to the issuance of the contract.

C. Type of Contract, Payment and Compensation

The Town will consider the following types of agreements:

- **Contract for lease of land:** Contract term to be no less than twenty years (and as much thirty years).
- **Contract for a power purchase agreement (PPA):** Contract term to be no less than twenty years (and as much as thirty years).
- **Contract for the Solar Renewable Energy Certificates (SRECs):** Contract Term to be no more than 10 years.

Proponents may submit more than one project proposal and/or payment proposal. It is the expectation of the Town that the Town will incur no costs associated with this project and that the project will create a positive financial gain for the Town.

D. Questions

All questions are to be submitted in writing to the point of contact identified in Section IIA no later than 5 p.m., on August 1, 2016. Electronic submission is acceptable. All submissions must contain the name of the person asking the question, company name, address, phone number and email address. All submitted questions and answers will be distributed to all who received the RFP document and posted on the Town's website. Questions regarding the interconnection and other questions of electrical nature will be forwarded by the Town to Eversource's Distributed Generation Department for response.

It is the Proponent's responsibility to perform due diligence. Failure to perform full due diligence does not relieve the Proponent from fulfilling project requirements.

E. Solicitation Process

This RFP is being solicited under a multi-step procurement procedure consisting of two phases and in compliance with Chap 30B of the Massachusetts General Laws. The first step requires all Proponents to submit technical proposals addressing those items cited in Section IV of this RFP. An Evaluation Team will evaluate and rank the proposals based on the evaluation criteria outlined in Section V - Evaluation Criteria. A short list of Proponents will be selected for further evaluation. Only those firms that are placed on the short list on the basis of the evaluation criteria will be considered during the second phase. During the second phase, interviews *may* be held if the Evaluation Team feels it is in the Town's best interest to do so.

In the final phase, negotiations will be held with the Proponent(s) ranked the highest by the Evaluation Team on the basis of the proposal and possible interview. Based on these negotiations a contract will be written. The lease and contract must be approved by the Mayor and Town Council. After such approvals and signature by appropriate parties work may begin.

F. Conditions of Award

It is the intent of the Town to award the project to the most responsive Proponent provided the proposal has been submitted in accordance with the requirements of this Request for Proposals document. The Town shall be the sole judge of the firm's qualifications and whether the proposal is in the best interests of the Town.

The Town may conduct such investigations as the Town considers necessary to assist in the evaluation of any proposal and to establish the responsibility, qualifications and financial ability of the offers and award in accordance with the RFP documents to the Town's satisfaction within the prescribed time. The Town may consider, but not be limited to, the performance date and guarantees of materials and equipment as part of its evaluation.

Up to the time of signature of contract or easement documents, the Town shall have the right in its sole discretion to terminate negotiations with or without cause if it deems in its best interest to do so.

G. Amendments to this Request for Proposal

The Town reserves the right to amend this RFP by addenda at any time prior to the date set for receipt of proposals. All amendments will be distributed to all who received the RFP document.

H. Additional Information

Proposals will be considered only from Proponents who are financially responsible and who have the resources and ability to successfully complete and operate the project. The Town reserves the right to be the sole judge of these criteria.

The Town may request additional information as deemed necessary. Failure to provide such information may result in the proposal being considered incomplete.

The Town reserves the right to reject any and all proposals in whole or in part; to waive any technicalities and informalities; to amend and/or cancel the RFP prior to the time of submission; and

to correct any proposal erroneously made as a result of a clerical error on the part of the Town. The Town reserves the right to accept the proposal deemed most advantageous to the Town.

The Proponent will be required to sign and submit with their proposal a Certificate of Non-Collusion (Attachment H), and Tax Compliance Certification (Attachment H). As part of final contract or easement documents, the selected Proponent will be required to sign a Disclosure of Beneficial Interests in Real Property Transaction.

I. Confidentiality

Proposals will be kept confidential until after they have been evaluated. A log will be maintained of proposals received, but proposals are not opened publicly.

J. PROJECTED SCHEDULE

Request for Proposals Issued	July 13, 2016
Posting in the Central Registry	July 13, 2016
Site Visit and Pre-Bid Conference	July 21, 2016 @ 11:00 AM
Questions Due to the Town	August 1, 2016 by 5:00 PM
Responses to Questions/Addenda Issued by the Town	August 3, 2016
Proposals Due to the Town (See address requirements in RFP)	August 8, 2016 at 2:00 PM
Anticipated Interviews	Week of August 15, 2016
Anticipated Presentation to the Mayor	August 19, 2016

SITE VISIT AND PRE BID CONFERENCE

Site address is 195 Log Plain Road, Greenfield, MA 01301. Directions can be found at Google Maps

Directions: Take Routes 5/10 (Bernardston Road) to Severance Street. Traveling west on Severance Street, the first right is Log Plain West. Proceed to the end of the road and through the yellow gate*.

*** Note: This site is inaccessible outside of the site visit as the gate is locked at all times.**

Section III: Project Description – Scope of Work

A. General

The Town of Greenfield is interested in promoting the beneficial use of water supply land for renewable energy production. The site consists of the Millbrook Well aquifer, located at 195 Log Plain Road West.

The Town's objective is to have the project developed and constructed by the Selected Developer under the Massachusetts SREC II market. Services are to include, but not limited to, planning, permitting, design, tree clearing, construction, financing, interconnection, commissioning, operation, maintenance and monitoring.

The PV System is to include solar arrays and all necessary associated inverters, wiring, metering, controls, etc. to provide an energy efficient PV system that is life cycle cost effective. Net metering, interconnection rules, and regulations and application requirements are available on the Eversource website.

The project area is a groundwater protection zone with a well used for public drinking water supplies. Care must be taken when working with equipment storage, vehicle parking, and while using any oils or hazardous materials to avoid any spills or releases to the environment. To the greatest extent possible, construction materials shall be free from oils or hazardous materials. Any oils used should be clearly marked and should be contained with spill protection. Any spills during construction shall be reported immediately to the District, Town and to the MassDEP.

The Millbrook site does have three phase power and the interconnection will be with a 13.8 KV primary source. The Town operates, and will continue to operate, three gravel packed water supply wells on the site. Each well pump is powered by a 50 hp motor. There is 240V service to the well field. The interconnection point will be determined by the size and design of the system when the interconnection application is reviewed by Eversource. Depending on these and other factors, the project may interconnect at the road, or may be able to interconnect on site.

Total electrical consumption at the site from 7/1/2015 through 6/30/2016 was 180,640 kWh. THERE IS NO ELECTRICAL GENERATION ON SITE. Standby power for the well pumps is accomplished by the manual coupling of propane fired auxiliary engines to the well shafts. Technical questions regarding the interconnection should be submitted to the Town as set forth in Section II D. They will be forwarded to the appropriate department at Eversource for response.

The project will be located on the aquifer at 195 Log Plain Rd West. The total parcel contains approximately 23 acres of land, however, due to wetlands and other considerations, 4.8 acres is deemed suitable for a solar installation with a large percentage of that area essentially level. To develop this area some tree clearing will need to be completed. No trees within 25 feet of wetlands may be removed. Arrays must be laid out as to not interfere with the maintenance of the water mains on site. All water mains are to be clear of panel arrays or other equipment by fifteen (15) feet from both sides of the centerline of the main to allow for repairs as needed. Extreme care is to be used during all stages of construction as to not interfere with the water mains or operation of the well system.

The Proponent is to identify and describe the mounting system to be used. The Proponent is to identify the type of panels and inverters to be used and list the manufacturer's warranties for the equipment. For the inverters, the proponent is to provide the quantity and composition of the liquid(s) inside the inverters and provide MSDS sheets on that liquid.

A fence surrounding the array is required as part of the scope of work. This cost is to be listed as a separate line item in the Price Proposal.

Attachment E contains soil boring information, dated 8/10/1987, on the site.

The Pre-Application Report dated August 20, 2014 is attached in Attachment J. Per a phone conversation with the Eversource Distributed Generation Department, due to the number of interconnection applications since the report, there may be less available capacity than indicated in the report.

Monthly electric bills are in Attachment G for the period from 1/14/2016-6/13/2016 for the on-site consumption at the Millbrook well field.

The **Large-Scale Ground-Mounted Solar Photovoltaic Installations** section of the Greenfield Zoning Ordinance is attached in Attachment M. [Added by the Town Council on March 17, 2010 and amended by the Town Council on December 19, 2012]

The wetland delineation map attached in Attachment D utilized a GPS survey completed in July 2011. These points were overlaid onto the site map also attached in Attachment B.

B. System Design

The selected Proponent will be responsible for providing preliminary technical design (minus site specific drawings) including detail sheets showing the general placement of PV panels and inverters.

C. Real Time Monitoring

Web-based monitoring will be developed and maintained to display the benefits of the PV installation and be a public education tool. The website will be linked to the Town and available for public access through the Town site. The monitoring will include instantaneous kW; daily kWh generation; kW and kWh output on a monthly basis; and actual year to date and lifetime kWh.

D. Interconnection and Metering

The selected Proponent will be responsible for interconnection and metering. The PV System interconnection will be subject to all requirements of Eversource. It is the Proponent's responsibility to identify and execute necessary application, interconnection sites, contracts, etc.

E. Permits and Licenses

The Selected Developer shall be responsible for obtaining all relevant approvals and permits associated with the Solar Energy Project. These may include, but are not limited to: use permits, construction permits, storm water management permits, sediment and erosion control permits, electrical permits and interconnection agreements with the local utility. All permits shall be submitted under the direction of a licensed professional engineer. The costs for these approvals, agreements and permits shall be borne by the Selected Developer. The Town will provide existing site-specific information, guidance, and support to the extent practical.

The Selected Developer will be required to prepare a system maintenance plan and control plans for sediment and erosion control, storm water runoff, vegetation control and security.

The Town requires the Selected Developer to handle all non-hazardous and hazardous materials and install the Solar Energy Project on the wellfield properties in a manner that protects the Town's property interests and in accordance with all applicable local, state, and federal requirements.

F. Insurance Requirements

All contractors and subcontractors performing work on Town property will be required to carry standard Town insurance requirements as set forth in Attachment I.

G. Bond

As part of the contract, the selected Proponent will be required to provide a bond in the amount of \$250,000 payable to the Town of Greenfield prior to the start of construction in the event the Proponent is unable to perform actions as set forth in the contract. No bid bond is required.

H. Disposition of Solar Renewable Energy Credits (SRECs)

The selected Proponent will retain title to all solar renewable energy certificates (SRECs) generated by the System unless otherwise agreed to with the Town at the time of negotiation.

I. Prevailing wage rates

Because the construction, operation, and maintenance of the System(s) will be financed privately, it is expected that prevailing wage rates will not apply to the construction work. If such laws do apply, however, the selected Respondent for each project shall be responsible for obtaining the relevant prevailing wage rates from the Commonwealth, and shall pay prevailing wages as applicable, and by submitting a proposal agrees to indemnify and hold the Town harmless from any and all costs, claims for wages, fines or any other monetary consequence associated with any failure of the selected Proposer to pay such wages.

J. Payment options

The Town will consider the following payment options:

1. **Lease**: Twenty (20) to thirty (30) year lease of land for fixed cost per acre with an annual escalator tied to an agreed upon Consumer Price Index. Payment shall commence at signing of contract.
2. **Power Purchase Agreement (PPA)**: Twenty (20) to thirty (30) year agreement for purchase of power. In the interim period between the signing of the Contract and the commencement of power generation the Proponent shall pay the Town of Greenfield an agreed upon monthly fee to hold the property.
3. **Contract for the Solar Renewable Energy Certificates (SRECs)**: Up to ten (10) year agreement for the assignment of all or a portion of the project generated SRECs.

Please note that if the Town and Proponent were to enter into a PPA the Proponent would still need to enter into a minimal fee lease agreement in order to address the fact that a private entity will be using and placing equipment on town owned land.

Section IV: Proposal Submittal Requirements

The Proponent is to submit four (4) hard copies of the proposal and an electronic copy to the address listed in Section IIA. Proposals must be received by 2:00 pm on August 8, 2016.

IN SEALED ENVELOPE #1 – Labeled: Greenfield Solar Farm II- Proposal

1. Transmittal Letter.

Each Respondent's response should include a transmittal letter signed by a party authorized to make a formal proposal on behalf of the Respondent. The letter shall clearly indicate that the Respondent has carefully read all the provisions in the RFP and should include a brief overview of the Respondent's proposal. Transmittal letters must also acknowledge receipt and understanding of any Addenda associated with the Project.

2. Respondent Information.

Company Profile:

- a) Year founded and number of continuous years in business. Minimum of five (5) years in business is required.
- b) Ownership status (private or publicly-held).
- c) Number of employees in local branch office at the time of submittal (full-time employees, excluding contractors).
- d) Corporate Office location
- e) Local Office location.

Project Team:

- a) Team leader identification for the entire proposal, including full contact information, office location and key qualifications and professional credentials.
- b) Identification of each business entity, person or firm involved in the proposal and their role (design, installation, civil/environmental, permitting, equipment supply, operations and maintenance, etc.). Prior experience collaborating on projects is preferred.
- c) Resumes of personnel directly involved with the development of the proposed Systems. Provide evidence of NABCEP-certified Installer, Professional Engineer (P.E.), and Master Electrician.

Licensing:

- a) Provide a list of all relevant State-Specific Contracting Licenses held, including classification and number.
- b) List any Electrical, Structural and/or Mechanical Engineering Licenses held by firm members, including classification and number.

Insurance:

- a) Provide evidence of the insurance limits held by firm demonstrating Respondent's ability to comply with the insurance requirements set forth in this RFP.
- b) Financially viable insurance rating.

Safety History:

- a) List your firm's OSHA ratings (Recordable Incidence Rates and Lost Workday Incident Rates) for the past 3 years.

Capital Finance Capability:

- a) Provide a description of the relevant financing structure for the proposed Systems. Detail any unique features that the firm's model offers in comparison to traditional third-party financing structures.
- b) Provide evidence that the firm or its affiliates, subsidiaries or partners has the ability to secure financing for the total installed cost of the System proposed in response to this RFP. This should be in the form of a commitment letter from the anticipated funding source.

3. Relevant Solar Project Experience

- a) List the number, size (in kW DC) and location of PV projects completed in Massachusetts and/or the Northeast within the past 3 years.
- b) List the total capacity (in kW DC) of operational solar PV installations completed by the firm to date.
- c) List the total capacity (in kW DC) and description of solar PV systems installed in the municipalities in the Northeast.
- d) Please provide a detailed discussion of the firm's experience working with MA Department of Environmental Protection ("MA DEP"), and other State or Local regulatory authorities.
- e) List firm's direct experience with installed solar PV module technologies including brand, module rating and technology type (crystalline, thin-film, etc.). If the firm has any proprietary and/or exclusive corporate affiliation to any materials, equipment, or manufacturers related to the System, please state those relationships.
- f) Provide a listing of all Massachusetts solar PV projects implemented under M.G.L. c. 30B, c. 25A § 11I or 11C and identify whether those projects were contracted under a power purchase agreement/lease agreement or a design-build energy management services agreement.
- g) Discuss in detail Respondents' direct experience interconnecting into LDC distribution systems, specifically Eversource. Please discuss any challenges realized and the firm's efforts to overcome such challenges.
- h) Discuss firm's approach and success in incorporating "renewable energy" into educational curriculum.

4. References

- a) For the projects listed above, please provide reference information as listed below. Please note that the Town may contact all or some of the reference listed to aide in the Town's assessment of Respondent's proposal. Required information includes:
 - o Reference project name and location.
 - o Host Customer and/or Owner's name with contact person's name, email, address and phone number.
 - o Commencement and Completion Dates
 - o Indicate if the installation was installed as a remote net metering asset or for the benefit of the local host community.
 - o Any other installation-specific information that may be relevant.

H. PROPOSED SOLAR PV SYSTEM

1. Proposed Solar PV System for the Premises

- a) *System Components:* Include an overview of the proposed photovoltaic system, including brief descriptions of the main components (at a minimum modules, inverters, mounting and data acquisition systems). Specification sheets for any proposed technologies are encouraged. Proposals shall list the specific system components for each of the Systems.
- b) *Design:* Include Preliminary Drawings (One-Line) for each of the proposed solutions that include at a minimum:
 - o System size (in kW DC and kW AC)
 - o List of all proposed equipment including panels, inverters, mounting system (stationary or tracking), data acquisition system, and other equipment, along with manufacturer's cut sheets
 - o Location of modules (including tilt)
 - o Location of inverters
 - o Discussion whether the System sizing and configuration is based on a structural analysis or engineering study by a licensed engineer or based on a calculated load analysis. Any other site-specific information that will aid in overall evaluation.
- c) *Schedule:* Include a Preliminary Project Implementation Schedule that accounts for milestones in the Design, Construction, Interconnection and Closeout Stages. Milestones should include (at a minimum):
 - o Award & Contract Negotiation
 - o Design Period
 - o Permitting
 - o Completion of Balance of System Design
 - o Secure System Equipment and Assets
 - o Substantial Completion
 - o Installation
 - o LDC Interconnection
 - o System Commissioning (Energizing)
 - o Delivery of Closeout Documentation
- d) *Interconnection:* Describe Respondent's approach to interconnecting the system to the Eversource's distribution systems. Respondent shall be required to complete all requirements of the specific interconnection process according to tariff requirements. Discuss Respondents familiarity and experience interconnecting to Eversource.

2. System Performance Monitoring, Warranty and Service (O&M) for the Premises

- a) *Monitoring Solution:* Indicate how the firm will provide system performance monitoring via a data acquisition system (DAS). Provide a detailed description of the DAS system and provide a detailed description of the end-user interface.
- b) *Warranties:* Describe any warranties associated with the install, including full system coverage and/or warranties associated with individual components. Discuss whether such warranties, including extended warranties pass to the Town upon transfer of ownership.
- c) *Operations & Maintenance Services and Town Training:* The Respondents will provide Operation & Maintenance (O&M) services for the Systems for the full term of the Agreements.

- Describe the proposed O&M procedures for each System, detailing duties performed and if the agreement will be maintained by the selected Respondent or a third-party provider.
- Briefly describe the firm's experience providing such services for similar installations and name the key personnel in charge of handling O&M services.
- Describe Respondent's approach to training Town safety officials and Town operations staff on emergency procedures.

I. EVALUATION CRITERIA NON-PRICE PROPOSAL

At a minimum, Respondents shall meet the following requirements:

1. Minimum Criteria Information

Each of the items listed on the following table shall be marked (Y) if supplied and (N) if not supplied. Proposals that do not contain all items enumerated in Minimum Required Items as set forth below, may be disqualified prior to further qualification review at the discretion of the Town.

- a) Proposal Completeness and Adherence to Form
- b) Bond Capability - Respondents shall provide evidence of bond capability of at least the value of the construction from a surety company licensed to do business in the Commonwealth and whose name appears on the U.S. Treasury Department Circular 570.
- c) Form of legal entity and year entity was established.
- d) List any other legal names of the firm, including but not limited to the names of any affiliates, subsidiaries or special purpose entities of the firm, and formation date of such affiliates, subsidiaries or special purpose entities.
- e) Describe any changes in ownership status over the past five (5) years.
- f) List ultimate parent company, if applicable.
- g) Federal Tax Identification
- h) DCAMM Certificate of Eligibility and Update Statement. Please note that the Town will require either the Engineer of Record or the Construction Firm to be certified in the Energy Management or Electrical categories.
- i) Financial Statements – Please submit detailed financial report for the Respondent prepared in accordance with generally accepted accounting principles (GAAP) reflecting the current (as of the most recent financial statement date) financial condition of the firm. Such report must include a balance sheet, income statement and statement of cash flows, along with applicable footnotes, dated concurrently for at least each of the last preceding 3 years ending on the most recent fiscal quarter such statements were prepared. Public entities or subsidiaries should attach SEC Form 10-K along with, as applicable, detailed unaudited statements for the submitting firm. Non-public firms may attach either unaudited financial statements or copies of tax forms and schedule that are filed with the Internal Revenue Service where applicable. To the extent this information is considered sensitive, competitive or confidential; Respondent must provide such information in a separate sealed envelope and clearly identify such information as sensitive, competitive or confidential.
- j) Lawsuits and Disputes – Discuss whether your firm (including any affiliates, subsidiaries or special purpose entities) has ever been involved in a lawsuit or dispute regarding a contract. If so, please provide all such incidents and describe the circumstances and outcomes of such lawsuit(s) or litigation. Further, please discuss whether your firm has been barred from providing performance-based energy services or other services in any states.
- k) Debarment Statement

- l) Minimum Prior Experience - Respondents and/or its affiliates, subsidiaries or partners must have successfully completed at least 2 ground-mounted solar PV installations sized at a minimum of 500 kW. Prior proven experience with landfills or other environmentally sensitive locations is preferred.

Criteria	Supplied
Minimum Requirements	Y/N
a. Proposal Completeness and Adherence to Format	Y/N
b. Evidence of Bond Capability	Y/N
c. Form of Legal Entity	Y/N
d. Other Entity Names	Y/N
e. Changes in Ownership	Y/N
f. Parent Company (if applicable)	Y/N
g. Federal Tax ID	Y/N
h. DCAMM Certificate of Eligibility & Update Statement	Y/N
i. Financial Statements	Y/N
j. Lawsuits and Disputes	Y/N
k. Debarment Statement	Y/N
l. Minimum Prior Experience	Y/N

IN SEALED ENVELOPE #2 – Labeled: Greenfield Solar Farm II – Payment Proposal

The **Price Proposal** must include:

- a) Prices and information per Bid Forms. Please note that the Town requires pricing proposals for any Optimized Project(s) options as proposed by the Respondent. Respondents must provide a Schedule of Termination Values for all Systems proposed.
- b) For the Project Proposal(s), the Respondent must provide a fixed price must provide a fixed price for a System of optimal size and configuration, as determined by the Respondent, based on site suitability, generation potential, orientation and available developable real estate. Respondents must include in its pricing proposals the unit cost impact, in terms of dollars per kilowatt-hour, for a lease payment and personal/real property tax in the form of a structured tax agreement.
- c) The methodology and cost of any annual energy escalators shall specifically state whether such escalation factors are tied to specific market indices (and identify those market indices).
- d) Demonstration that the Respondent has fully incorporated into the proposal price all financial benefits realized by the Respondents from federal tax incentives (including credits, rebates and accelerated depreciation), State incentives, local utility incentives, Solar Renewable Energy Credits (“SREC”), ISO-New England forward capacity payments, and others, all as applicable.
- e) A detailed listing of any assumptions made in its pricing models that are indicative, and potentially subject to change, including SRECs, interconnection costs, permitting fees, decommissioning assurance, among others. The Town’s assessment of such indicative pricing assumptions shall weigh into its proposal evaluation.
- f) Optional Pricing: For each Optimized Project, the Town will consider an INDEXED PRICE option. Such INDEXED PRICE options shall be in the form of a percentage of the then-current utility net

metering tariff as approved by the public utilities commission. Such INDEXED PRICE option may include a floor price at the discretion of the Respondent, provided such floor price is offered.

- g) Proponents may submit more than one payment proposal. Payment proposal must include table indicating financial benefits to the Town over a minimum of a twenty year period.
- h) Proponents are to identify options for negotiation relating to the ownership of and/or disposition of all equipment on site after the end of the contract term.

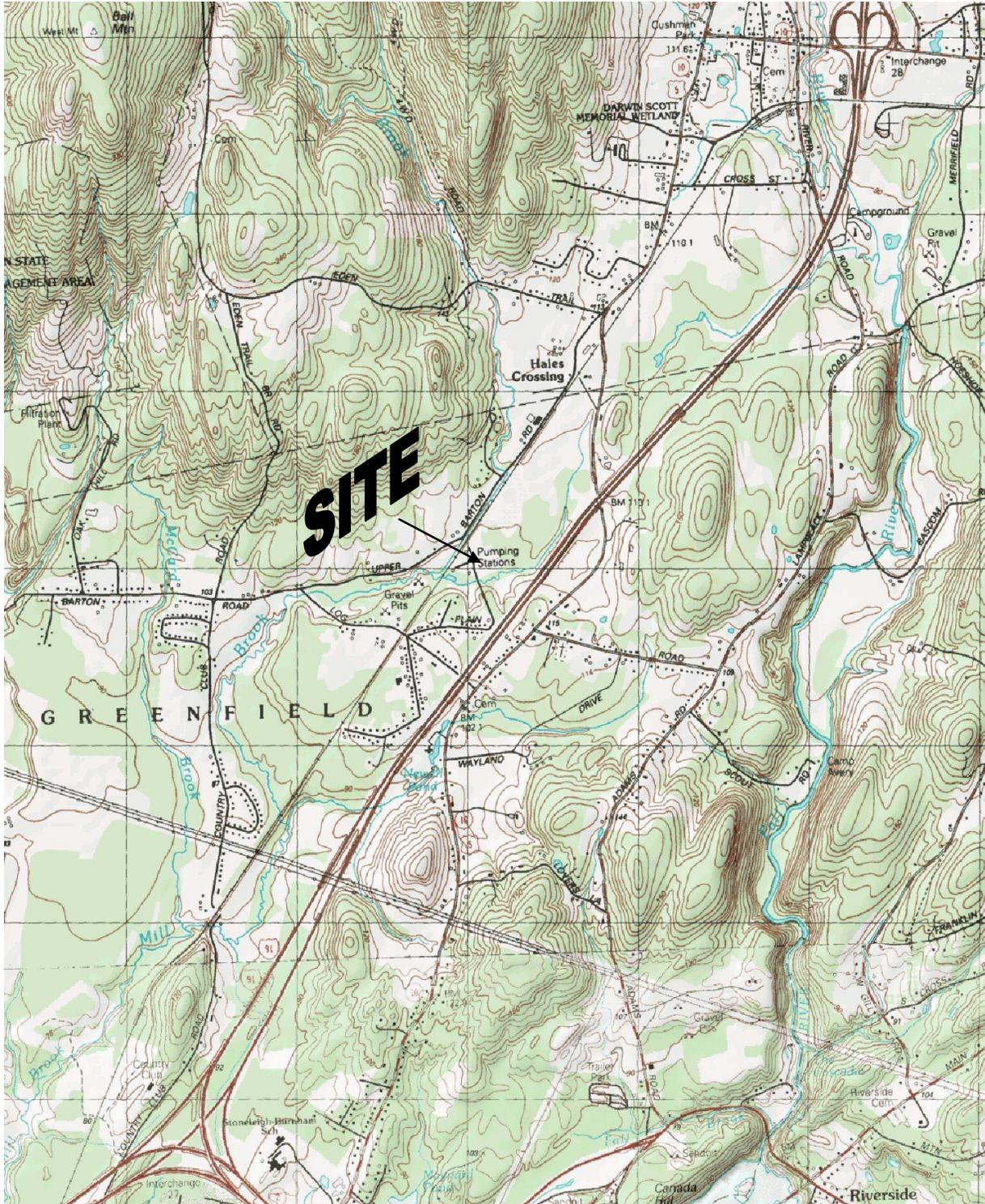
EVALUATION CRITERIA-PRICE PROPOSAL

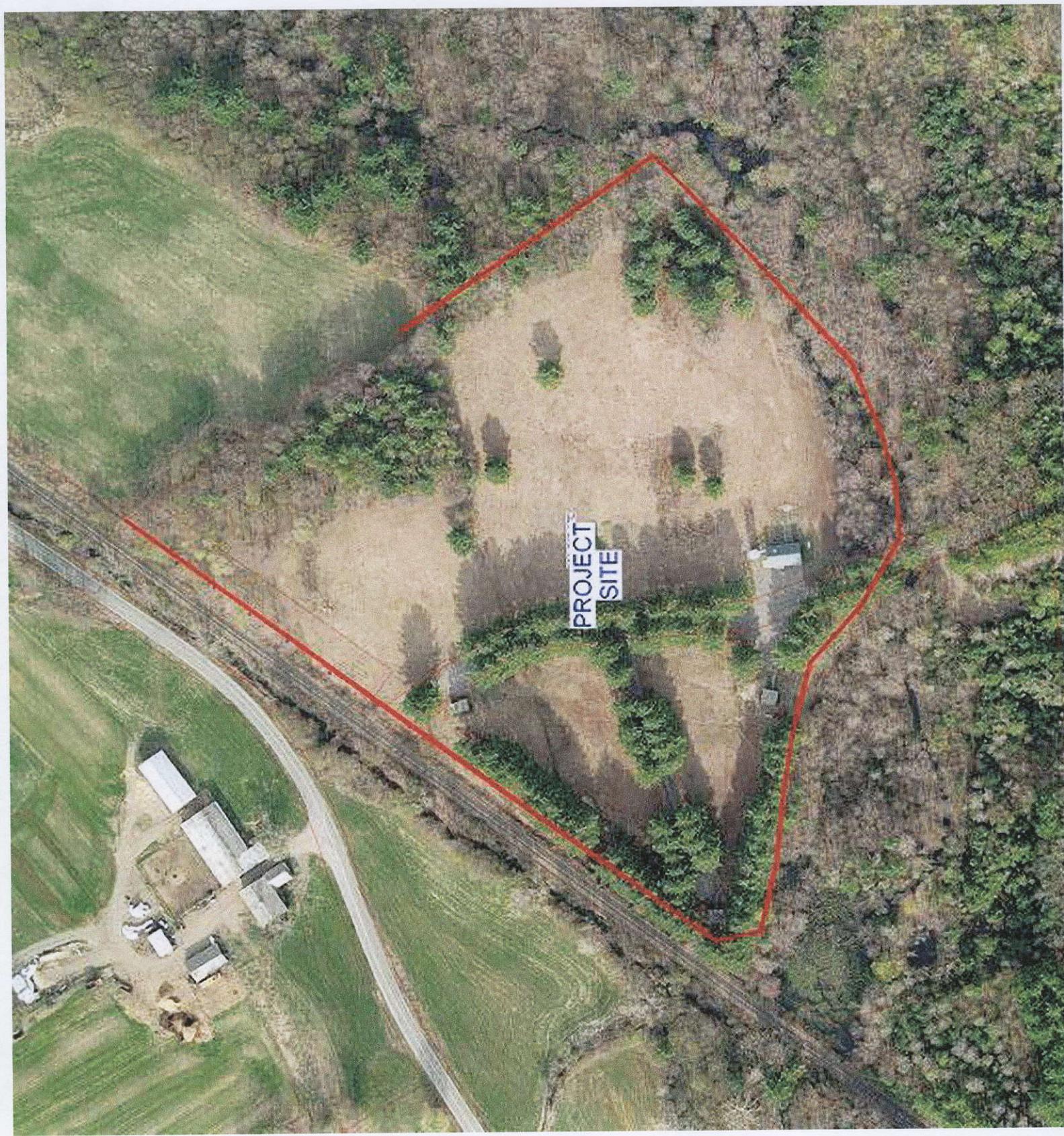
Best Price Criteria: The “best” response price will be determined by two factors:

- a) The greatest total financial return to the Town over the 20-year period of the Agreement. The Town is seeking the most beneficial proposal that addresses discounted electricity that provides the best overall value to the Town; and
- b) The highest protection to the Town against future price risk.

Attachment A

Locus Map





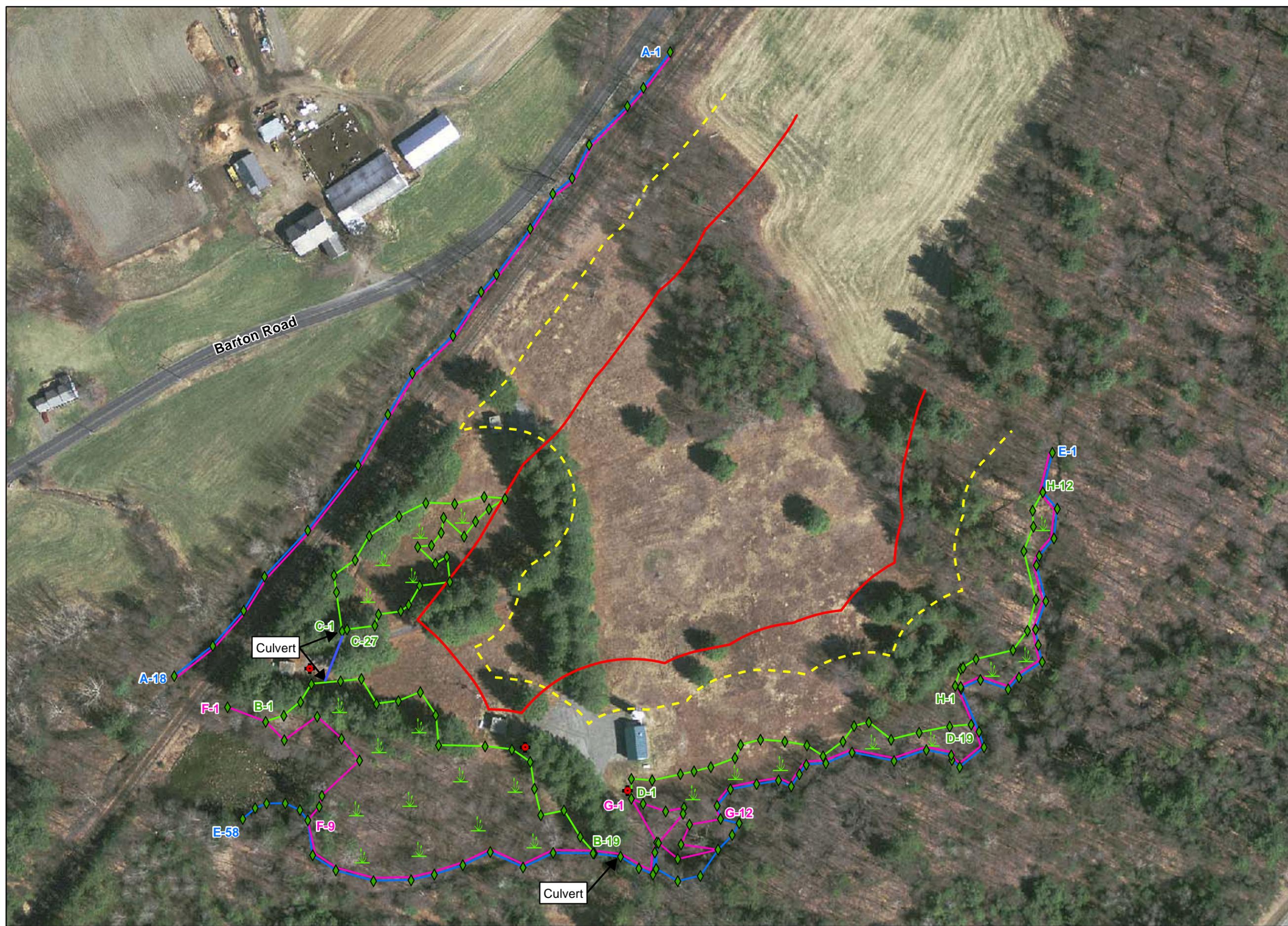
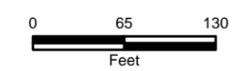


FIGURE 1

- LEGEND**
- Hydrant
 - Wetland Flag
 - Wetland
 - Limit of 100' Buffer Zone
 - Limit of Riverfront Area
 - Limit of Inland Bank
 - Limit of Bordering Vegetated Wetlands
 - Limit of Mean Annual High Water

LOCUS MAP



NOTES

1. Based on MassGIS 30cm Color Orthophotography, 2009.
2. Wetland Delineation and GPS Survey on July XX, 2011 by Tighe & Bond, Inc.

FIGURE 1

Millbrook Wellfield
Greenfield, Massachusetts

September 2011





148 Pioneer Dr.
Leominster, MA 01453
(617) 840-0391

SOIL EXPLORATION CORPORATION
Geotechnical Drilling and Groundwater Monitor Wells

23 Ingalls St.
Nashua, NH 03060
(603) 882-3601

Client **Tighe and Bond** Date **8/10/87** Job No. **87-595**

Location **Log Plain Road, Greenfield, MA**

BORING NO. **MW-3D** Ground Elev. _____ Date Start **7/28/87** Date Complete **7/28/87** Drilling Foreman **Zork** Eng./Hydrol. Geologist **E.J.**

Casing No.	Sample Data				Soil and/or bedrock strata descriptions		
	No.	Depth (ft.)	Blows 6" Penetration	Rec. Inches	Casing Blows Per ft.	Strata Change Depth	Visual Identification of Soil and/or Rock Strata
							Topsoil.
	1	2'-4'0"	Taken from auger			0'6"	Dry, dark brown, fine SAND, some organic silt, trace fine to medium gravel.
5	2	4'-5'6"	14-8-7			4'0"	Medium dense, dry, fine SAND, some inorganic silt, trace fine to coarse gravel, trace cobbles.
10	3	9'-10'6"	4-4-6			7'6"	Stiff to medium stiff, moist dark, grey, inorganic SILT, trace clay.
15	4	14'-15'6"	2-2-3				
20	5	19'-20'6"	3-3-2				
25	6	24'-25'6"	W.O.H.			23'0"	Very soft, wet, dark grey, inorganic SILT, trace clay.
30	7	29'-30'6"	W.O.R.				
35	8	34'-35'6"	W.O.R.				
40	9	39'-40'6"	W.O.R.				

Type of Boring _____ Casing Size: _____ Hollow Stem Auger Size: _____

Proportion Percentages Trace 0 to 10% Some 10 to 40% And 40 to 50%	Granular Soils (blows per ft.)		Cohesive Soils (blows per ft.)	
	0 to 4 Very Loose	30 to 50 Dense	0 to 2 Very Soft	8 to 15 Stiff
	4 to 10 Loose	Over 50 Very Dense	2 to 4 Soft	15 to 30 Very Stiff
	10 to 30 Medium Dense		4 to 8 Medium Stiff	Over 30 Hard

Standard penetration test (SPT) = 140# hammer falling 30"
Blows are per 6" taken with an 18" long x 2" O.D. x 1 3/8" I.D. split spoon sampler unless otherwise noted.

The terms and percentages used to describe soil and or rock are based on visual identification of the retrieved samples. ■ Moisture content indicated may be affected by time of year and water added during the drilling process. ■ Water levels indicated may vary with seasonal fluctuation and the degree of soil saturation when the boring was taken. ■ The stratification lines represent the approximate boundaries between soil types, the actual transitions may be gradual. ■



148 Pioneer Dr.
Leominster, MA 01453
(617) 840-0391

SOIL EXPLORATION CORPORATION
Geotechnical Drilling and Groundwater Monitor Wells

23 Ingalls St.
Nashua, NH 03060
(603) 882-3601

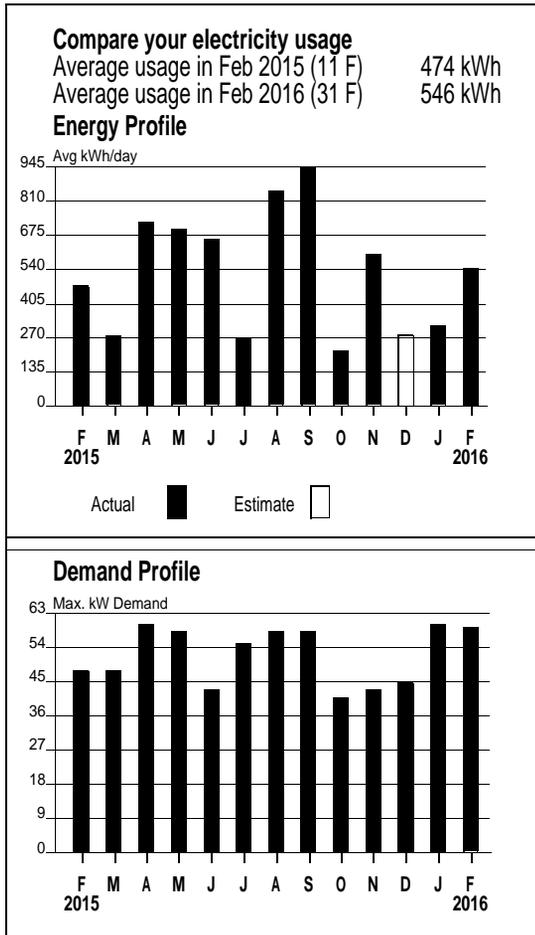
Client	Tighe and Bond	Date	8-10-87	Job No.	87-595
Location	Log Plain Road, Greenfield, MA				
BORING NO.	MW-3S	Ground Elev.	Date Start	Date Complete	Drilling Foreman
			7-28-87	7-28-87	Zork
					Eng./Hydrol. Geologist E.J.

DEPTH	Sample Data				Soil and/or bedrock strata descriptions		
	No.	Depth (ft.)	Blows 6" Penetration	Rec. Inches	Casing Blows Per ft.	Strata Change Depth	Visual Identification of Soil and/or Rock Strata
							TOPSOIL
						0'6"	Dry, dark brown, fine SAND, some organic silt, trace fine to medium gravel.
5						4'0"	Dry, fine SAND; some inorganic silt, trace fine to coarse gravel, trace cobbles.
						7'6"	Moist to wet, gray, inorganic silt, trace clay.
10							
						14'0"	End of boring 14'0". Water level at 7'6" upon completion. Set well point at 14'0". <u>Well Materials:</u> 1- 2" PVC end plug 1- 10'x 2" PVC screen 1- 5'x2" PVC riser 1- 2'x2" PVC riser 1- protective locking casing 1 bag- sakrete sand 3 bags- silica sand
15							
20							
25							
30							
35							
40							

Type of Boring Casing Size: Hollow Stem Auger Size: 3 1/4"

<p>Proportion Percentages Trace 0 to 10% Some 10 to 40% And 40 to 50%</p>	<p>Granular Soils (blows per ft.) 0 to 4 Very Loose 30 to 50 Dense 4 to 10 Loose Over 50 Very Dense 10 to 30 Medium Dense</p>	<p>Cohesive Soils (blows per ft.) 0 to 2 Very Soft 8 to 15 Stiff 2 to 4 Soft 15 to 30 Very Stiff 4 to 8 Medium Stiff Over 30 Hard</p>
<p>Standard penetration test (SPT) = 140# hammer falling 30" Blows are per 6" taken with an 18" long x 2" O.D. x 1 3/8" I.D. split spoon sampler unless otherwise noted.</p>		

The terms and percentages used to describe soil and or rock are based on visual identification of the retrieved samples. ■ Moisture content indicated may be affected by time of year and water added during the drilling process. ■ Water levels indicated may vary with seasonal fluctuation and the degree of soil saturation when the boring was taken. ■ The stratification lines represent the approximate boundaries between soil types, the actual transitions may be gradual. ■



Delivery Services Detail	RATE G2	
Customer Chrg		\$325.00
Distribution Dmd Chrg	50.00KW x \$1.690000	\$84.50
	9.50KW x \$7.940000	\$75.43
Distribution Enrgy Chrg	15280.00KWH x \$0.001780	\$27.20
Transition Enrgy Chrg	15280.00KWH x - \$0.001450	-\$22.16
Transmission Dmd Chrg	50.00KW x \$5.630000	\$281.50
	9.50KW x \$5.630000	\$53.49
Res Assist Adj Clause	15280.00KWH x \$0.004330	\$66.16
Pension/PBOP Adj Mechn PPAM	15280.00KWH x \$0.001340	\$20.48
Basic Srv Cost Adj	15280.00KWH x - \$0.000170	-\$2.60
Net metering recovery surchrg	15280.00KWH x \$0.001790	\$27.35
Solar Program Cost Adjustment	15280.00KWH x \$0.000220	\$3.36
Energy Conservation Chrg	15280.00KWH x \$0.002500	\$38.20
Energy Efficiency Program Chrg	15280.00KWH x \$0.009450	\$144.40
Renewable Enrgy Chrg	15280.00KWH x \$0.000500	\$7.64
Storm recovery adjustment	15280.00KWH x \$0.001540	\$23.53
Revenue Decoupling Adj	9822.90KWH x - \$0.001350	-\$13.26
Revenue Decoupling Adj	5457.10KWH x - \$0.000720	-\$3.93
Lng-Trm Rnwbl Contr Adj	15280.00KWH x - \$0.001210	-\$18.49
Subtotal		\$1,117.80

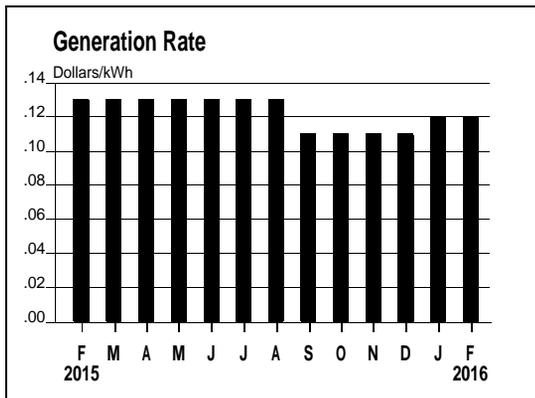
Generation Detail	CON ED SOLUTIONS	
Generation Srv Chrg	15280.00KWH x \$0.122900	\$1,877.91
Subtotal		\$1,877.91

Service Account Messages

Because the billing period spans a change in the rates, your usage has been calculated partly on the old rate and partly on the new rate.

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

(continued on next page)



Account messages

At Eversource, we don't like it when energy supply rates go up and down any more than you do. We want to help you understand how and why supply rates change, and more importantly what we're doing to bring those rates down for all of our customers. Visit eversource.com to learn more.

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

0018953

TOWN OF GREENFIELD DPW MILLBRO



Due Date	Total Amount Due
May 5, 2016	\$7,507.00

Statement date: Mar 11, 2016
Customer name key: GREE

Account number: 54816381016

Contact Information

Emergency: 1-877-659-6326 (anytime)
Web Site: www.eversource.com
Email: BusinessCenterWMass@eversource.com

Business customers:

Customer Service: 1-888-783-6610
413-504-8020 (local)
(M-F 8-5)

Simplify your life

Use eBill and ePay at www.eversource.com
Or Pay by Phone 1-888-783-6618

Your electric supplier is

CONSOLIDATED EDISON SOLUTIONS
100 SUMMIT LAKE DR
STE 410
VALHALLA NY 10595-1373
1-800-789-1565
conedsolutions.com

Electric Account Summary

Amount due on Feb 10	\$5,328.47
Payment Feb 18	-\$2,333.48
Balance Forward	\$2,994.99
** Past Due Amount 2,994.99 **	
New Charges/Credits	
Delivery Services	\$1,346.11
Electricity Supply Services	\$3,165.90
Total new charges	\$4,512.01

Total amount due \$7,507.00

Payment due upon receipt unless other arrangements have been made.

** Please remit the **past due amount** of \$2,994.99. This amount is due immediately in order to avoid a possible service disconnection. Please disregard if you have made a payment or confirmed a payment arrangement.

Detail for Service at: MILLBROOK WELLS

300 LOG PLAIN RD , GREENFIELD MA 01301-1045

Service reference: 749331007

Billing cycle: 08

Your meter reading for meter # 886096862

For billing period: Feb 10 - Mar 11 (30 days)	Next read date on or about: Apr 12, 2016
Actual reading on Mar 11, 2016	21110
Actual reading on Feb 10, 2016	- 20788
Difference	= 322
Meter constant	x 80
Billed usage	= 25,760
Total demand use: 60.40 kW	

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

(continued on next page)

Make your check payable to Eversource. Please consider adding a \$1 for Good Neighbor to your payment.



Account Number	Statement date	Total amount due
54816381016	Mar 11, 2016	\$7,507.00

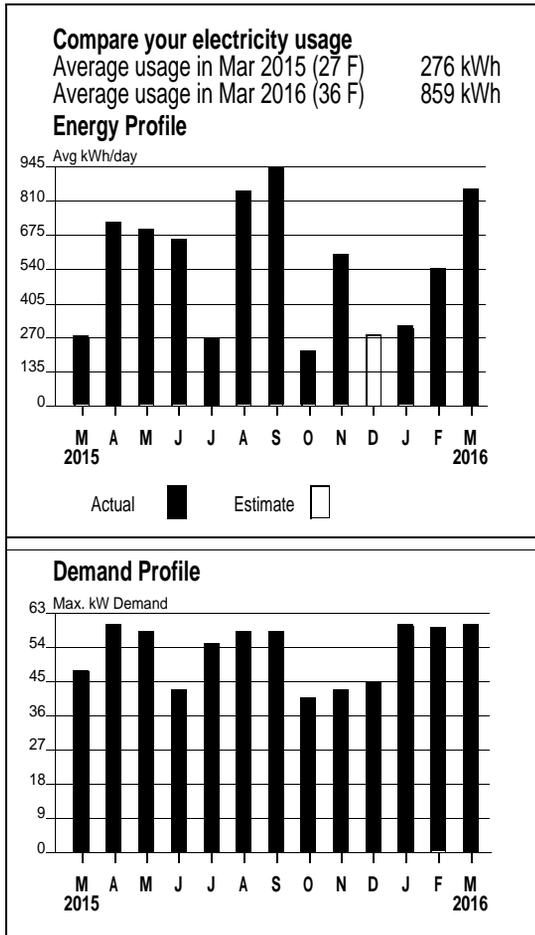
Amount Enclosed

Payment due upon receipt unless other arrangements have been made.

TOWN OF GREENFIELD DPW MILLBRO
ATTN PURCHASING AGENT
14 COURT SQ
GREENFIELD MA 01301-3547

Eversource
P O Box 650851
Dallas, TX 75265-0851

5481638101643 0007507009 0004512013

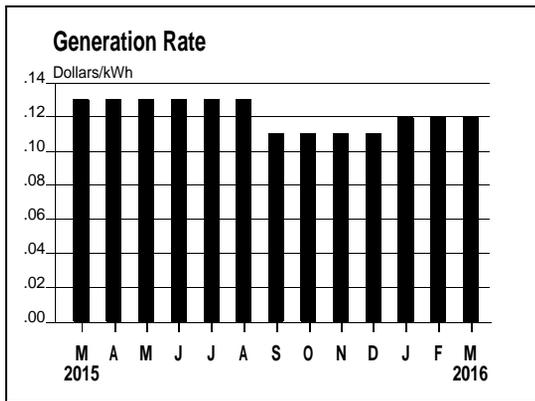


Delivery Services Detail	RATE G2	
Customer Chrg		\$325.00
Distribution Dmd Chrg	50.00KW x \$1.690000	\$84.50
	10.50KW x \$7.940000	\$83.37
Distribution Enrgy Chrg	25760.00KWH x \$0.001780	\$45.85
Transition Enrgy Chrg	25760.00KWH x - \$0.001450	-\$37.35
Transmission Dmd Chrg	50.00KW x \$5.630000	\$281.50
	10.50KW x \$5.630000	\$59.12
Res Assist Adj Clause	25760.00KWH x \$0.004330	\$111.54
Pension/PBOP Adj Mechn PPAM	25760.00KWH x \$0.001340	\$34.52
Basic Srv Cost Adj	25760.00KWH x - \$0.000170	-\$4.38
Net metering recovery surchrge	25760.00KWH x \$0.001790	\$46.11
Solar Program Cost Adjustment	25760.00KWH x \$0.000220	\$5.67
Energy Conservation Chrg	25760.00KWH x \$0.002500	\$64.40
Energy Efficiency Program Chrg	25760.00KWH x \$0.009450	\$243.43
Renewable Enrgy Chrg	25760.00KWH x \$0.000500	\$12.88
Storm recovery adjustment	25760.00KWH x \$0.001540	\$39.67
Revenue Decoupling Adj	25760.00KWH x - \$0.000720	-\$18.55
Lng-Trm Rnwbl Contr Adj	25760.00KWH x - \$0.001210	-\$31.17
Subtotal		\$1,346.11

Generation Detail	CON ED SOLUTIONS	
Generation Srv Chrg	25760.00KWH x \$0.122900	\$3,165.90
Subtotal		\$3,165.90

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

(continued on next page)



Account messages

Did you know that your electric bill is broken down into two main charges? The cost of the energy itself and the cost for delivering it to your business. Energy is purchased on your behalf by Eversource or your supplier from a pool of energy producers, at a dictated market price. Learn more about the components of your bill at eversource.com.

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

0005458

TOWN OF GREENFIELD DPW MILLBRO



Due Date	Total Amount Due
Jun 7, 2016	\$2,349.66

Statement date: Apr 13, 2016
Customer name key: GREE

Account number: 54816381016

Contact Information

Emergency: 1-877-659-6326 (anytime)
Web Site: www.eversource.com
Email: BusinessCenterWMass@eversource.com

Business customers:

Customer Service: 1-888-783-6610
413-504-8020 (local)
(M-F 8-5)

Simplify your life

Use eBill and ePay at www.eversource.com
Or Pay by Phone 1-888-783-6618

Your electric supplier is

CONSOLIDATED EDISON SOLUTIONS
100 SUMMIT LAKE DR
STE 410
VALHALLA NY 10595-1373
1-800-789-1565
conedsolutions.com

Electric Account Summary

Amount due on Mar 11	\$7,507.00
Payment Mar 16	-\$2,995.71
Payment Apr 11	-\$4,512.01
Balance Forward	- \$0.72
New Charges/Credits	
Delivery Services	\$1,062.39
Electricity Supply Services	\$1,287.99
Total new charges	\$2,350.38
Total amount due	\$2,349.66

Payment due upon receipt unless other arrangements have been made.

Detail for Service at: MILLBROOK WELLS

300 LOG PLAIN RD , GREENFIELD MA 01301-1045

Service reference: 749331007

Billing cycle: 08

Your meter reading for meter # 886096862

For billing period: Mar 11 - Apr 12 (32 days)	Next read date on or about: May 11, 2016
Actual reading on Apr 12, 2016	21241
Actual reading on Mar 11, 2016	- 21110
Difference	= 131
Meter constant	x 80
Billed usage	= 10,480
Total demand use: 62.00 kW	

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

(continued on next page)

Make your check payable to Eversource. Please consider adding a \$1 for Good Neighbor to your payment.



Account Number Statement date Total amount due
54816381016 Apr 13, 2016 \$2,349.66

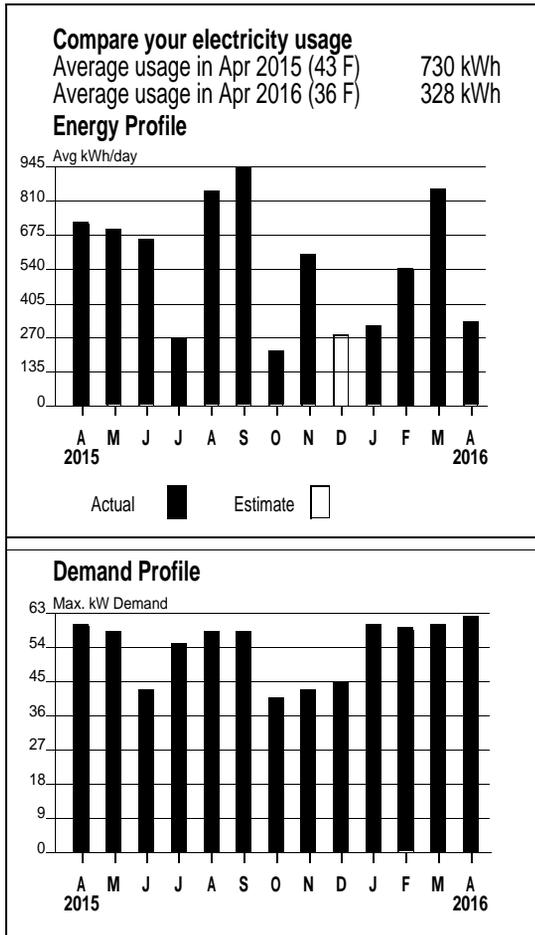
Amount Enclosed

Payment due upon receipt unless other arrangements have been made.

TOWN OF GREENFIELD DPW MILLBRO
ATTN PURCHASING AGENT
14 COURT SQ
GREENFIELD MA 01301-3547

Eversource
P O Box 650851
Dallas, TX 75265-0851

5481638101643 0002349660 0002350381

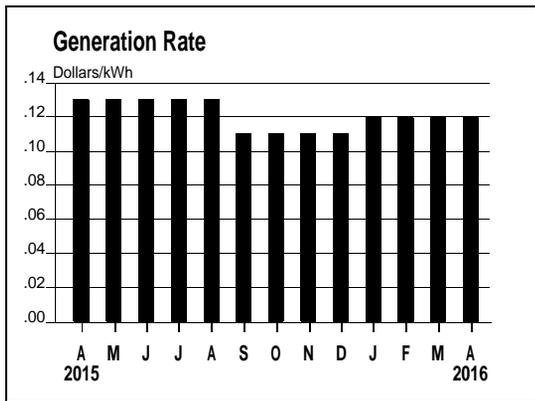


Delivery Services Detail	RATE G2	
Customer Chrg		\$325.00
Distribution Dmd Chrg	50.00KW x \$1.690000	\$84.50
	12.00KW x \$7.940000	\$95.28
Distribution Enrgy Chrg	10480.00KWH x \$0.001780	\$18.65
Transition Enrgy Chrg	10480.00KWH x - \$0.001450	-\$15.20
Transmission Dmd Chrg	50.00KW x \$5.630000	\$281.50
	12.00KW x \$5.630000	\$67.56
Res Assist Adj Clause	10480.00KWH x \$0.004330	\$45.38
Pension/PBOP Adj Mechn PPAM	10480.00KWH x \$0.001340	\$14.04
Basic Srv Cost Adj	10480.00KWH x - \$0.000170	-\$1.78
Net metering recovery surcharge	10480.00KWH x \$0.001790	\$18.76
Solar Program Cost Adjustment	10480.00KWH x \$0.000220	\$2.31
Energy Conservation Chrg	10480.00KWH x \$0.002500	\$26.20
Energy Efficiency Program Chrg	10480.00KWH x \$0.009450	\$99.04
Renewable Enrgy Chrg	10480.00KWH x \$0.000500	\$5.24
Storm recovery adjustment	10480.00KWH x \$0.001540	\$16.14
Revenue Decoupling Adj	10480.00KWH x - \$0.000720	-\$7.55
Lng-Trm Rnwbl Contr Adj	10480.00KWH x - \$0.001210	-\$12.68
Subtotal		\$1,062.39

Generation Detail	CON ED SOLUTIONS	
Generation Srv Chrg	10480.00KWH x \$0.122900	\$1,287.99
Subtotal		\$1,287.99

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

(continued on next page)



Account messages

Digging this spring? Before you begin, make sure you know where all the underground utility lines are located around your property. State law requires that you contact Dig Safe at 811 or 888-344-7233 at least 72 business hours prior to digging. With this free service, Eversource and other utilities will mark the exact location of underground pipes and wires to prevent accidental uprooting, damage or individual injury.

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

0007871

TOWN OF GREENFIELD DPW MILLBRO



Due Date	Total Amount Due
Aug 15, 2016	\$1,230.48

Statement date: Jun 21, 2016
Customer name key: GREE

Account number: 54816381016

Contact Information

Emergency: 1-877-659-6326 (anytime)
Web Site: www.eversource.com
Email: BusinessCenterWMass@eversource.com

Business customers:

Customer Service: 1-888-783-6610
413-504-8020 (local)
(M-F 8-5)

Simplify your life

Use eBill and ePay at www.eversource.com
Or Pay by Phone 1-888-783-6618

Your electric supplier is

CONSOLIDATED EDISON SOLUTIONS
100 SUMMIT LAKE DR
STE 410
VALHALLA NY 10595-1373
1-800-789-1565
conedsolutions.com

Electric Account Summary

Amount due on May 18	\$3,707.33
Payment Jun 14	-\$3,708.05
Cancel Billing Jun 15	-\$3,708.05
Balance Forward	- \$3,708.77
New Charges/Credits	
Delivery Services	\$2,087.97
Electricity Supply Services	\$2,851.28
Total new charges	\$4,939.25
Total amount due	\$1,230.48

Payment due upon receipt unless other arrangements have been made.

Detail for Service at: MILLBROOK WELLS

300 LOG PLAIN RD , GREENFIELD MA 01301-1045

Service reference: 749331007 Billing cycle: 08

Your meter reading for meter # 886096862

For billing period: Apr 12 - May 11 (29 days)	Next read date on or about: Jul 13, 2016
Estimated reading on May 11, 2016	21377
Actual reading on Apr 12, 2016	- 21241
Difference	= 136
Meter constant	x 80
Billed usage	= 10,880
Total demand use: 58.30 kW	

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

(continued on next page)

Make your check payable to Eversource. Please consider adding a \$1 for Good Neighbor to your payment.



Account Number Statement date Total amount due
54816381016 Jun 21, 2016 \$1,230.48

Amount Enclosed

Payment due upon receipt unless other arrangements have been made.

TOWN OF GREENFIELD DPW MILLBRO
ATTN PURCHASING AGENT
14 COURT SQ
GREENFIELD MA 01301-3547

Eversource
P O Box 650851
Dallas, TX 75265-0851

5481638101643 0001230488 0004939252

Your meter reading for meter # 886096862

For billing period: May 11 - Jun 13 (33 days)	Next read date on or about: Jul 13, 2016
Actual reading on Jun 13, 2016	21531
Estimated reading on May 11, 2016	- 21377
<hr/>	
Difference	= 154
Meter constant	x 80
<hr/>	
Billed usage	= 12,320
Total demand use: 59.40 kW	

For billing period: Jun 13 - Jun 21 (8 days)	Next read date on or about: Jul 13, 2016
Actual reading on Jun 21, 2016	0
Actual reading on Jun 13, 2016	- 0
<hr/>	
Billed usage	= 0

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

(continued on next page)

Delivery Services Detail		RATE G2		
Customer Chrg				\$325.00
Distribution Dmd Chrg	50.00KW	x	\$1.690000	\$84.50
	8.50KW	x	\$7.940000	\$67.49
Distribution Enrgy Chrg	10880.00KWH	x	\$0.001780	\$19.37
Transition Enrgy Chrg	10880.00KWH	x-	\$0.001450	-\$15.78
Transmission Dmd Chrg	50.00KW	x	\$5.630000	\$281.50
	8.50KW	x	\$5.630000	\$47.86
Res Assist Adj Clause	10880.00KWH	x	\$0.004330	\$47.11
Pension/PBOP Adj Mechn PPAM	10880.00KWH	x	\$0.001340	\$14.58
Basic Srv Cost Adj	10880.00KWH	x-	\$0.000170	-\$1.85
Net metering recovery surchrge	10880.00KWH	x	\$0.001790	\$19.48
Solar Program Cost Adjustment	10880.00KWH	x	\$0.000220	\$2.39
Energy Conservation Chrg	10880.00KWH	x	\$0.002500	\$27.20
Energy Efficiency Program Chrg	10880.00KWH	x	\$0.009450	\$102.82
Renewable Enrgy Chrg	10880.00KWH	x	\$0.000500	\$5.44
Storm recovery adjustment	10880.00KWH	x	\$0.001540	\$16.76
Revenue Decoupling Adj	10880.00KWH	x-	\$0.000720	-\$7.83
Lng-Trm Rnwbl Contr Adj	10880.00KWH	x-	\$0.001210	-\$13.16
Subtotal				\$1,022.88

Generation Detail		CON ED SOLUTIONS		
Generation Srv Chrg	10880.00KWH	x	\$0.122900	\$1,337.15
Subtotal				\$1,337.15

Delivery Services Detail		RATE G2		
Customer Chrg				\$325.00
Distribution Dmd Chrg	50.00KW	x	\$1.690000	\$84.50
	9.50KW	x	\$7.940000	\$75.43
Distribution Enrgy Chrg	12320.00KWH	x	\$0.001780	\$21.93
Transition Enrgy Chrg	12320.00KWH	x-	\$0.001450	-\$17.86
Transmission Dmd Chrg	50.00KW	x	\$5.630000	\$281.50
	9.50KW	x	\$5.630000	\$53.49
Res Assist Adj Clause	12320.00KWH	x	\$0.004330	\$53.35
Pension/PBOP Adj Mechn PPAM	12320.00KWH	x	\$0.001340	\$16.51
Basic Srv Cost Adj	12320.00KWH	x-	\$0.000170	-\$2.09
Net metering recovery surchrge	12320.00KWH	x	\$0.001790	\$22.05
Solar Program Cost Adjustment	12320.00KWH	x	\$0.000220	\$2.71
Energy Conservation Chrg	12320.00KWH	x	\$0.002500	\$30.80
Energy Efficiency Program Chrg	12320.00KWH	x	\$0.009450	\$116.42
Renewable Enrgy Chrg	12320.00KWH	x	\$0.000500	\$6.16
Storm recovery adjustment	12320.00KWH	x	\$0.001540	\$18.97
Revenue Decoupling Adj	12320.00KWH	x-	\$0.000720	-\$8.87
Lng-Trm Rnwbl Contr Adj	12320.00KWH	x-	\$0.001210	-\$14.91
Subtotal				\$1,065.09

Generation Detail		CON ED SOLUTIONS		
Generation Srv Chrg	12320.00KWH	x	\$0.122900	\$1,514.13
Subtotal				\$1,514.13

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

(continued on next page)

Service Account Messages

* We were unable to bill you this period

Account messages

Billing for this service includes a correction of a previously issued statement.

* Reading(s) estimated because we were unable to read your meter(s)

Billing for this service includes a correction of a previously issued statement

On July 1, Eversource's Basic Service supply rate will be adjusted to reflect current market conditions. We encourage you to check your current electric supply rate and compare it to other options. Shopping for other options may save you money. Learn more at eversource.com.

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

0007871

TOWN OF GREENFIELD DPW MILLBRO



Due Date	Total Amount Due
Aug 15, 2016	\$1,230.48

Statement date: Jun 21, 2016
Customer name key: GREE

Account number: 54816381016

Contact Information

Emergency: 1-877-659-6326 (anytime)
Web Site: www.eversource.com
Email: BusinessCenterWMass@eversource.com

Business customers:

Customer Service: 1-888-783-6610
413-504-8020 (local)
(M-F 8-5)

Simplify your life

Use eBill and ePay at www.eversource.com
Or Pay by Phone 1-888-783-6618

Your electric supplier is

CONSOLIDATED EDISON SOLUTIONS
100 SUMMIT LAKE DR
STE 410
VALHALLA NY 10595-1373
1-800-789-1565
conedsolutions.com

Electric Account Summary

Amount due on May 18	\$3,707.33
Payment Jun 14	-\$3,708.05
Cancel Billing Jun 15	-\$3,708.05
Balance Forward	- \$3,708.77
New Charges/Credits	
Delivery Services	\$2,087.97
Electricity Supply Services	\$2,851.28
Total new charges	\$4,939.25
Total amount due	\$1,230.48

Payment due upon receipt unless other arrangements have been made.

Detail for Service at: MILLBROOK WELLS

300 LOG PLAIN RD , GREENFIELD MA 01301-1045

Service reference: 749331007

Billing cycle: 08

Your meter reading for meter # 886096862

For billing period: Apr 12 - May 11 (29 days)	Next read date on or about: Jul 13, 2016
Estimated reading on May 11, 2016	21377
Actual reading on Apr 12, 2016	- 21241
Difference	= 136
Meter constant	x 80
Billed usage	= 10,880
Total demand use: 58.30 kW	

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

(continued on next page)

Make your check payable to Eversource. Please consider adding a \$1 for Good Neighbor to your payment.



Account Number
54816381016

Statement date
Jun 21, 2016

Total amount due
\$1,230.48

Amount Enclosed

Payment due upon receipt unless other arrangements have been made.

TOWN OF GREENFIELD DPW MILLBRO
ATTN PURCHASING AGENT
14 COURT SQ
GREENFIELD MA 01301-3547

Eversource
P O Box 650851
Dallas, TX 75265-0851

5481638101643 0001230488 0004939252

Your meter reading for meter # 886096862

For billing period: May 11 - Jun 13 (33 days)	Next read date on or about: Jul 13, 2016
Actual reading on Jun 13, 2016	21531
Estimated reading on May 11, 2016	- 21377
<hr/>	
Difference	= 154
Meter constant	x 80
<hr/>	
Billed usage	= 12,320
Total demand use: 59.40 kW	

For billing period: Jun 13 - Jun 21 (8 days)	Next read date on or about: Jul 13, 2016
Actual reading on Jun 21, 2016	0
Actual reading on Jun 13, 2016	- 0
<hr/>	
Billed usage	= 0

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

(continued on next page)

Delivery Services Detail		RATE G2		
Customer Chrg				\$325.00
Distribution Dmd Chrg	50.00KW	x	\$1.690000	\$84.50
	8.50KW	x	\$7.940000	\$67.49
Distribution Enrgy Chrg	10880.00KWH	x	\$0.001780	\$19.37
Transition Enrgy Chrg	10880.00KWH	x-	\$0.001450	-\$15.78
Transmission Dmd Chrg	50.00KW	x	\$5.630000	\$281.50
	8.50KW	x	\$5.630000	\$47.86
Res Assist Adj Clause	10880.00KWH	x	\$0.004330	\$47.11
Pension/PBOP Adj Mechn PPAM	10880.00KWH	x	\$0.001340	\$14.58
Basic Srv Cost Adj	10880.00KWH	x-	\$0.000170	-\$1.85
Net metering recovery surchrge	10880.00KWH	x	\$0.001790	\$19.48
Solar Program Cost Adjustment	10880.00KWH	x	\$0.000220	\$2.39
Energy Conservation Chrg	10880.00KWH	x	\$0.002500	\$27.20
Energy Efficiency Program Chrg	10880.00KWH	x	\$0.009450	\$102.82
Renewable Enrgy Chrg	10880.00KWH	x	\$0.000500	\$5.44
Storm recovery adjustment	10880.00KWH	x	\$0.001540	\$16.76
Revenue Decoupling Adj	10880.00KWH	x-	\$0.000720	-\$7.83
Lng-Trm Rnwbl Contr Adj	10880.00KWH	x-	\$0.001210	-\$13.16
Subtotal				\$1,022.88

Generation Detail		CON ED SOLUTIONS		
Generation Srv Chrg	10880.00KWH	x	\$0.122900	\$1,337.15
Subtotal				\$1,337.15

Delivery Services Detail		RATE G2		
Customer Chrg				\$325.00
Distribution Dmd Chrg	50.00KW	x	\$1.690000	\$84.50
	9.50KW	x	\$7.940000	\$75.43
Distribution Enrgy Chrg	12320.00KWH	x	\$0.001780	\$21.93
Transition Enrgy Chrg	12320.00KWH	x-	\$0.001450	-\$17.86
Transmission Dmd Chrg	50.00KW	x	\$5.630000	\$281.50
	9.50KW	x	\$5.630000	\$53.49
Res Assist Adj Clause	12320.00KWH	x	\$0.004330	\$53.35
Pension/PBOP Adj Mechn PPAM	12320.00KWH	x	\$0.001340	\$16.51
Basic Srv Cost Adj	12320.00KWH	x-	\$0.000170	-\$2.09
Net metering recovery surchrge	12320.00KWH	x	\$0.001790	\$22.05
Solar Program Cost Adjustment	12320.00KWH	x	\$0.000220	\$2.71
Energy Conservation Chrg	12320.00KWH	x	\$0.002500	\$30.80
Energy Efficiency Program Chrg	12320.00KWH	x	\$0.009450	\$116.42
Renewable Enrgy Chrg	12320.00KWH	x	\$0.000500	\$6.16
Storm recovery adjustment	12320.00KWH	x	\$0.001540	\$18.97
Revenue Decoupling Adj	12320.00KWH	x-	\$0.000720	-\$8.87
Lng-Trm Rnwbl Contr Adj	12320.00KWH	x-	\$0.001210	-\$14.91
Subtotal				\$1,065.09

Generation Detail		CON ED SOLUTIONS		
Generation Srv Chrg	12320.00KWH	x	\$0.122900	\$1,514.13
Subtotal				\$1,514.13

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

(continued on next page)

Service Account Messages

* We were unable to bill you this period

Account messages

Billing for this service includes a correction of a previously issued statement.

* Reading(s) estimated because we were unable to read your meter(s)

Billing for this service includes a correction of a previously issued statement

On July 1, Eversource's Basic Service supply rate will be adjusted to reflect current market conditions. We encourage you to check your current electric supply rate and compare it to other options. Shopping for other options may save you money. Learn more at eversource.com.

Remit Payment To: Eversource, P.O.Box 650851, Dallas, TX 75265-0851

**GREENFIELD MILLBROOK WELLS Electricity
Consumption FY2016**

Read Date	Billed Demand (KW)	Usage (kwh)
6/13/2016	59.5	12320
5/11/2016	58.5	10880
4/12/2016	62	10480
3/11/2016	60.5	25760
2/10/2016	59.5	15280
1/13/2016	60.5	4099
12/31/2015	60.5	6621
12/10/2015	45	8960
11/9/2015	43	18640
10/9/2015	41	6000
9/11/2015	58.5	28160
8/12/2015	58	24640
7/14/2015	55.5	8800
Total		180640

Attachment H

TAX COMPLIANCE CERTIFICATION

Pursuant to M.G.L. Ch. 62C, Sec. 49A, I certify under the penalties of perjury that I, to my best knowledge and belief, I am in compliance with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

(Name of person signing bid)

(Name of business)

CERTIFICATE OF NON-COLLUSION FORM

The undersigned certifies under penalties of perjury that this bid has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word “person” shall mean any natural person, business, partnership, corporation, union, committee, entity, or group of individuals.

(Name of person signing bid)

(Name of business)

Attachment I

INSURANCE REQUIREMENTS

1. The Contractor shall purchase and maintain such insurance as will protect the contractor from claims set forth below which may arise out of or result from the Contractor's operations under the Contract, whether such operation be by itself or by any subcontractor or by anyone directly or indirectly employed by any of them or by anyone for whose acts any of them may be liable.
 - 1.1 Claims under Worker's Compensation, disability benefit and other similar employee benefit acts;
 - 1.2 Claims for damages because of bodily injury, occupational sickness or disease, or death of its employees, and claims insured by usual personal injury liability coverage;
 - 1.3 Claims for damages because of bodily injury, sickness or disease, or death of any person other than its employees, and claims insured by usual person injury liability coverage; and
 - 1.4 Claims for damages because of injury to or destruction of tangible property, including loss of use resulting therefrom.
2. The insurance required by the above shall be written for not less than the following minimum limits of liability

<i>Comprehensive liability, including bodily and personal injury, property damage, and contractual liability</i>	<i>\$1,000,000 per occurrence</i> <i>\$3,000,000 aggregate</i>
<i>Automobile comprehensive liability to include owned, hired, and non-owned vehicles and equipment</i>	<i>\$1,000,000 per occurrence</i> <i>\$3,000,000 aggregate</i>
<i>Excess liability (umbrella coverage)</i>	<i>As needed to provide a minimum of \$5,000,000 per occurrence coverage listed above.</i>

In addition, during the entire Contract Period, the Contractor, at its own expense, shall maintain for its employees all Workers Compensation coverage required by Massachusetts Law.

3. The above insurance policies shall also be subject to the following requirements:
 - 3.1 Certificates of Insurance acceptable to the Town shall be addressed to and filed with the Town prior to commencement of work. Renewal certificate shall be addressed to and filed with the Town at least ten (10) days prior to the expiration date of required policies.
 - 3.2 No insurance coverage shall be subject to cancellation without at least thirty (30) days prior written notice forwarded by registered or certified mail to the Town. The Town shall also be notified of the attachment of any restrictive amendment to the policies.
 - 3.3 All Certificates of Insurance shall contain true transcripts from the policies, authenticated by the proper officer of the insurer, evidencing in particular those insured, the extent of the coverage, the location and operations to which the insurance applies, the expiration date and the above mentioned notice clauses.
 - 3.4 All premium costs shall be included in the Contractor's proposed cost quote.

Attachment J - Pre-Application Report

From: cynthia.janke@nu.com on behalf of wmecodg@nu.com
To: [Energy](#)
Cc: wmecodg@nu.com; kenneth.garber@nu.com
Subject: Pre-Applicaition Report - PAR 159 Greenfield
Date: Wednesday, August 20, 2014 1:54:18 PM

Thank you for contacting WMECO DG and submitting a request for a Pre-Application Report.

Pre-Application Report ID Number: PAR 159 Request Received: 8/14/2014 Report Sent: 8/20/2014

Location: 195 Log Plain Road, Greenfield Please note that the PAR request listed electric account 54816381016 which has a different address of 300 Log Plain Road.

Facility: Three phase 1,000 kW AC to 1,500 kW AC solar generation facility. The request indicates that the PV facility will interconnect with the account at 300 Log Plain Road. If the existing service and the proposed generation facility are located on different building lots, they will each need their own electric service.

Interconnecting Customer: Town of Greenfield Please note that the proposed Interconnecting Customer differs from the name of the electric customer on the provided electric account number. On the interconnection application, please list both the Interconnecting Customer information and the Customer information. The Customer information should be listed in the Facility section.

The Company is providing the following information for the proposed Facility interconnection location(s) in the Pre-Application Report:

- 1) Circuit voltage at the substation: 13.8 kV
- 2) Circuit name: 21C1
- 3) Circuit voltage at proposed Facility: 13.8 kV
- 4) Whether Single or three phase is available near site: A fused, three phase tap which crosses the railroad tracks is located near the proposed location.
- 5) If single phase – distance from three phase service: Single phase is located about 1,500 feet from the location on the road with three phase a total of 3,000 feet from the location.
- 6) Aggregate connected Facilities (kW) on circuit: 300 kW
- 7) Submitted complete applications of Facilities (kW) on circuit that have not yet been interconnected: 350 kW
- 8) Whether the Interconnecting Customer is served by an area network, a spot network, or radial system: (radial)
- 9) Identification of feeders within ¼ mile of the proposed interconnection site through a snap-shot of GIS map or other means: There are no other feeders in area.
- 10) Other potential system constraints or critical items that may impact the proposed Facility: The project will require building a three phase line extension. Length and location will be determined during the Impact Study. Protection changes and associated equipment (ie installation of reclosers and

Attachment J - Pre-Application Report

controls) will be required to maintain coordination and reliability on the circuit. A project this size will require an Impact Study, Detailed Study to design system modifications and may require transfer trip. ISO-NE notification is required for projects 1 MW and larger.

- DISCLAIMER: Be aware that this Pre-Application Report is simply a snapshot in time and is non-binding. Systems conditions can and do change frequently.
- DPU Net Metering Requirements: The Department of Public Utilities has a website dedicated to net metering which contains important information relative to net metering eligibility, including a *Fact Sheet: Rules on Net Metering*, and Frequently Asked Questions. Please visit: <http://www.mass.gov/dpu/netmetering> or call 617-305-3500. The System of Assurance is (www.MassACA.org) responsible for determining net metering eligibility and granting cap allocations. The MassACA can be reached at administrator@massaca.org or 877-357-9030. To be considered a Public Facility, the Host Customer and any customers they are allocating to must apply to the DPU for certification as a Municipality or Other Governmental Entity (<http://www.env.state.ma.us/dpu/docs/electric/12-01/7912dpuordapc.pdf>). The DPU can be reached at dpu.netmetering@state.ma.us or 617-305-3500.
-
- Please see WMECO's distributed generation website for a copy of the DG Tariff along with interconnection applications: www.wmeco.com/distributedgeneration
- Please see WMECO's net metering website for a copy of the Net Metering Tariff along with the Schedule Z form: www.wmeco.com/netmetering
-

Thank you,

WMECO DG

Attachment K

DEP Requirements

Guideline
Bureau of Resource Protection
Drinking Water Program

Information to be Submitted to MassDEP for Proposed Wind and Solar Energy Projects on
Lands Owned or Controlled By Public Water Systems for Drinking Water Purposes

Effective Date: September 1, 2011
Guideline # BRP 2011-1
Applicability: Public Water Systems
Approved by: Ann Lowery, Acting Assistant Commissioner, Bureau of Resource
Protection

Supersedes Guideline: None

Purpose: To provide guidance to public water suppliers on information to be submitted to MassDEP for wind and solar energy projects proposed on lands owned or controlled by public water systems for drinking water purposes.

Applicability: This Guideline applies to public water suppliers and their representatives requesting written approval from MassDEP to install wind and solar energy projects on lands held by public water systems for drinking water purposes.

Authority/Background:

M.G.L. Chapter 111, Section 160 titled "Examinations of water supply; Rules; Penalty for violation," states that the department may "make rules and regulations and issue such orders as its opinion may be necessary to prevent the pollution ... and to ensure the delivery of a fit and pure water supply to all consumers."

310 CMR 22.21(1) and 22.21(3)(b) require activities in the Zone I to be limited to those directly related to the provision of public drinking water or that will have no significant adverse impact on water quality.

310 CMR 22.24: Sale, Transfer of Property Interest, or Change in Use of Water Supply Land (1) No supplier of water may sell, lease, assign, or otherwise dispose of, or change the use of, any lands used for water supply purposes without the prior written approval of the Department. The Department will not approve any such disposition or change in use unless the supplier of water demonstrates to the Department's satisfaction that such action will have no significant adverse impact upon the supplier of water's present and future ability to provide continuous adequate service to consumers under routine and emergency operating conditions, including emergencies concerning the contamination of sources of supply, failure of the distribution system and shortage of supply.

In addition, M.G.L. Chapter 40, Section 15B, states "[a] town, city or district authorized to furnish water for domestic purposes, may, with the advice and approval of the state

department of environmental protection ... in its discretion, by lease, license or other agreement, permit the construction and maintenance on any land under its control of towers, poles, wires, and other structures for the purpose of transmitting electric power over lands and water held for water supply purposes; provided, that such lease, license or agreement will not, in the opinion of the said department, affect or interfere with the water supply; and provided, further, that said city, town or district may, with the approval of said department, revoke said lease, license or agreement for cause to be determined by it."

Review and Approval

MassDEP supports wind and solar energy projects but also recognizes that lands that are under the control of public water systems have been identified as the most critical to protect public drinking water reservoirs and wells. In addition, these lands may be the future sites for new or replacement public water system sources. Pursuant to 310 CMR 22.24(1), public water suppliers must obtain written approval from MassDEP for projects described in the Applicability section above.

Public water suppliers shall submit a written certification to MassDEP that proposals to construct and maintain wind and solar energy projects will have no significant adverse impact on the public water supplier's present and future ability to provide continuous adequate service to consumers under routine and emergency operating conditions, including emergencies concerning the contamination of sources of supply, failure of the distribution system and shortage of supply. The certification should include maps, plans or other documentation to support that statement and should address, at a minimum, the information listed in Part A below. Public water suppliers and their contractors, operators, and/or lessees will be required to adhere to the applicable conditions in Part B below as a condition of their approval. For Zone I projects, the public water supplier should also certify that the wind and/or solar energy project will have no significant adverse impact on water quality and that the energy generated by the facility will be used to benefit, either by direct consumption or by other means, the operation of the public water system.

If a public water supplier submits a written certification in accordance with this Guideline, MassDEP approval will be presumed unless the agency informs the public water supplier otherwise within 30 days of the Department's receipt of the submission. MassDEP may request additional information or deny the request within 30 days.

A. General Site Information and Site Design

- The location of the public water system source; water supply protection areas; and depth to ground water.
- Project footprint; new easements or roads; existing water system structures.
- A description of the wind or solar infrastructure proposed for the site.
- The estimated schedule and duration for the construction of the project.
- The type of soils, vegetation, and slopes in the project area; the location and amount to be disturbed; and the method of soil/slope stabilization during and after the project.
- The location and amount of pervious surface that will be changed to impervious surface and a description of how stormwater will be managed on the site.

- A list of expected coolants, lubricants, cleaning products and other potential contaminants associated with the construction and maintenance of the infrastructure.
- Descriptions of any wash water disposal practices and/or equipment used at the site.
- For projects located within the Zone I, an explanation of how the energy generated will benefit the operation of the public water system.
 - Description of emergency response procedures (e.g. fire safety measures) in place.
 - Any other information requested by MassDEP to protect the public water supply.

B. Construction and Post-Construction Conditions

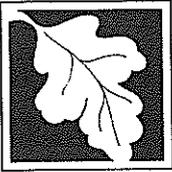
- All exposed soils and slopes shall be stabilized with erosion controls during and after construction until vegetation is established.
- Vegetation related to the facility shall be managed through mowing or other mechanical means or with native plantings if possible. If pesticide use is necessary for employee safety, such as to control poison ivy, the application shall comply with local, state, and federal requirements. There shall be no application of pesticides or fertilizers in the Zone I.
- There shall be no oil, hazardous materials, cleansers or other potential contaminants stored on-site in the Zone I. If these materials are stored on-site in Zones II and III and in Zones A, B, and C, they shall properly labeled, covered and contained.
- Disposal of wash water at the facility shall be avoided or minimized to prevent contamination of ground or surface waters and will comply with any applicable regulatory requirement (including underground injection control registration).
- Emergency response procedures shall be developed by the public water system in conjunction with any contractors, operators, and/or lessees.
- The public water supplier shall notify MassDEP within 30 days of project completion.
- Any other conditions required by MassDEP to protect the public water supply.

MassDEP staff may conduct an initial site visit and/or a final inspection of the installation. The installation and operations are subject to review during sanitary surveys or other MassDEP inspections.

The public water supplier is responsible for ensuring that project construction and operation are consistent with the proposal and approval including all conditions. The public water system and this project remain subject to Massachusetts General Laws, the Massachusetts Drinking Water Regulations, all other relevant Massachusetts regulations, and MassDEP's authority herein.

Note: The public water supplier may need to seek additional approvals from other entities and/or MassDEP, including, but not limited to, municipal approval, legislative approval pursuant to Article 97, and MEPA approval pursuant to 301 CMR 11.00.

Attachment L - DEP ORAD



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands **WPA Form 4B – Order of Resource Area Delineation**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

168-0282

MassDEP File Number

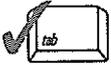
eDEP Transaction Number

Greenfield

City/Town

A. General Information

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Note:
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

From: Greenfield
1. Conservation Commission

2. This Issuance is for (check one):

a. Order of Resource Area Delineation

b. Amended Order of Resource Area Delineation

3. Applicant:

a. First Name Town of Greenfield, Department of Public Works b. Last Name _____

c. Organization 14 Court Square

d. Mailing Address Greenfield e. City/Town MA f. State 01301 g. Zip Code

e. City/Town _____ f. State _____ g. Zip Code _____

4. Property Owner (if different from applicant):

Same

a. First Name _____ b. Last Name _____

c. Organization _____

d. Mailing Address _____

e. City/Town _____ f. State _____ g. Zip Code _____

5. Project Location:

195 Log Plain Road West - Millbrook Well Field a. Street Address Greenfield b. City/Town 01301 c. Zip Code

R11 d. Assessors Map/Plat Number 84 e. Parcel/Lot Number

Latitude and Longitude (in degrees, minutes, seconds): 72d34m15.04s f. Latitude 42d38m42.48s g. Longitude

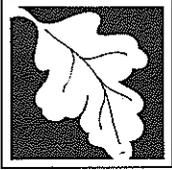
6. Dates: 9-12-11 a. Date ANRAD filed 10-11-11 b. Date Public Hearing Closed 10-26-11 c. Date of Issuance

7. Title and Date (or Revised Date if applicable) of Final Plans and Other Documents:

a. Title _____ b. Date _____

c. Title _____ d. Date _____

Attachment L - DEP ORAD



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

**WPA Form 4B – Order of Resource Area
Delineation**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

168-0282

MassDEP File Number

eDEP Transaction Number

Greenfield

City/Town

B. Order of Delineation

1. The Conservation Commission has determined the following (check whichever is applicable):

a. **Accurate:** The boundaries described on the referenced plan(s) above and in the Abbreviated Notice of Resource Area Delineation are accurately drawn for the following resource area(s):

1. Bordering Vegetated Wetlands

2. Other resource area(s), specifically:

a. Inland Bank, Mean Annual High Water, 200-ft Riverfront Area, 100-ft Buffer Zone.

b. **Modified:** The boundaries described on the plan(s) referenced above, as modified by the Conservation Commission from the plans contained in the Abbreviated Notice of Resource Area Delineation, are accurately drawn from the following resource area(s):

1. Bordering Vegetated Wetlands

2. Other resource area(s), specifically:

a. _____

c. **Inaccurate:** The boundaries described on the referenced plan(s) and in the Abbreviated Notice of Resource Area Delineation were found to be inaccurate and cannot be confirmed for the following resource area(s):

1. Bordering Vegetated Wetlands

2. Other resource area(s), specifically:

3. The boundaries were determined to be inaccurate because:



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 4B – Order of Resource Area Delineation

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

168-0282

MassDEP File Number

eDEP Transaction Number

Greenfield

City/Town

C. Findings

This Order of Resource Area Delineation determines that the boundaries of those resource areas noted above, have been delineated and approved by the Commission and are binding as to all decisions rendered pursuant to the Massachusetts Wetlands Protection Act (M.G.L. c.131, § 40) and its regulations (310 CMR 10.00). This Order does not, however, determine the boundaries of any resource area or Buffer Zone to any resource area not specifically noted above, regardless of whether such boundaries are contained on the plans attached to this Order or to the Abbreviated Notice of Resource Area Delineation.

This Order must be signed by a majority of the Conservation Commission. The Order must be sent by certified mail (return receipt requested) or hand delivered to the applicant. A copy also must be mailed or hand delivered at the same time to the appropriate DEP Regional Office (see <http://www.mass.gov/dep/about/region/findyour.htm>).

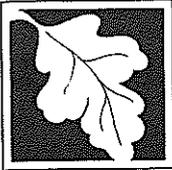
D. Appeals

The applicant, the owner, any person aggrieved by this Order, any owner of land abutting the land subject to this Order, or any ten residents of the city or town in which such land is located, are hereby notified of their right to request the appropriate DEP Regional Office to issue a Superseding Order of Resource Area Delineation. When requested to issue a Superseding Order of Resource Area Delineation, the Department's review is limited to the objections to the resource area delineation(s) stated in the appeal request. The request must be made by certified mail or hand delivery to the Department, with the appropriate filing fee and a completed Request for Departmental Action Fee Transmittal Form, as provided in 310 CMR 10.03(7) within ten business days from the date of issuance of this Order. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant, if he/she is not the appellant.

Any appellants seeking to appeal the Department's Superseding Order of Resource Area Delineation will be required to demonstrate prior participation in the review of this project. Previous participation in the permit proceeding means the submission of written information to the Conservation Commission prior to the close of the public hearing, requesting a Superseding Order or Determination, or providing written information to the Department prior to issuance of a Superseding Order or Determination.

The request shall state clearly and concisely the objections to the Order which is being appealed and how the Order does not contribute to the protection of the interests identified in the Massachusetts Wetlands Protection Act, (M.G.L. c. 131, § 40) and is inconsistent with the wetlands regulations (310 CMR 10.00). To the extent that the Order is based on a municipal bylaw or ordinance, and not on the Massachusetts Wetlands Protection Act or regulations, the Department of Environmental Protection has no appellate jurisdiction.

Attachment L - DEP ORAD



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
Request for Departmental Action Fee Transmittal Form
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. Request Information

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Person or party making request (if appropriate, name the citizen group's representative):

Name

Mailing Address

City/Town

State

Zip Code

Phone Number

Fax Number (if applicable)

Project Location

Mailing Address

City/Town

State

Zip Code

2. Applicant (as shown on Notice of Intent (Form 3), Abbreviated Notice of Resource Area Delineation (Form 4A); or Request for Determination of Applicability (Form 1)):

Name

Mailing Address

City/Town

State

Zip Code

Phone Number

Fax Number (if applicable)

3. DEP File Number:

B. Instructions

1. When the Departmental action request is for (check one):

- Superseding Order of Conditions
- Superseding Determination of Applicability
- Superseding Order of Resource Area Delineation

Send this form and check or money order for \$100.00 (single family house projects) or \$200 (all other projects), payable to the *Commonwealth of Massachusetts* to:

Department of Environmental Protection
Box 4062
Boston, MA 02211



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
Request for Departmental Action Fee Transmittal Form
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Instructions (cont.)

2. On a separate sheet attached to this form, state clearly and concisely the objections to the Determination or Order which is being appealed. To the extent that the Determination or Order is based on a municipal bylaw, and not on the Massachusetts Wetlands Protection Act or regulations, the Department has no appellate jurisdiction.
3. Send a **copy** of this form and a **copy** of the check or money order with the Request for a Superseding Determination or Order by certified mail or hand delivery to the appropriate DEP Regional Office (see <http://www.mass.gov/dep/about/region/findyour.htm>).
4. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant, if he/she is not the appellant.

TOWN OF GREENFIELD



TOWN OF GREENFIELD

ZONING ORDINANCE

CODE OF THE TOWN OF GREENFIELD, MASSACHUSETTS

As Amended through August 19, 2015

Attachment M - Greenfield Solar Ordinance

(b) Wireless communication facilities shall be removed within one (1) year of cessation of use at the owner's expense. The Building Inspector shall give the holder of the special permit ninety (90) days' written notice in advance of any demolition action.

~ 200-7.15. Large-Scale Ground-Mounted Solar Photovoltaic Installations. [Added by the Town Council on March 17, 2010 and amended by the Town Council on December 19, 2012]

- A. Purpose. The purpose of this ordinance is to promote the creation of new large-scale ground-mounted solar photovoltaic installations by providing standards for the placement, design, construction, operation, monitoring, modification and removal of such installations that address public safety, minimize impacts on scenic, natural and historic resources and to provide adequate financial assurance for the eventual decommissioning of such installations. The provisions set forth in this section shall apply to the construction, operation, and/or repair of large-scale ground-mounted solar photovoltaic installations.
- B. Applicability. This section applies to large-scale ground-mounted solar photovoltaic installations proposed to be constructed after the effective date of this section. This section also pertains to physical modifications that materially alter the type, configuration, or size of these installations or related equipment.
- C. General Requirements for all Large Scale Solar Power Generation Installations.
- (1) Compliance with Laws, Ordinances and Regulations. The construction and operation of all large scale solar photovoltaic installations shall be consistent with all applicable local, state and federal requirements, including but not limited to all applicable safety, construction, electrical, and communications requirements. All buildings and fixtures forming part of a solar photovoltaic installation shall be constructed in accordance with the State Building Code.
 - (2) Building Permit and Building Inspection. No large scale solar photovoltaic installation shall be constructed, installed or modified as provided in this section without first obtaining a building permit.
 - (3) Site Plan Review. Large-scale ground-mounted solar photovoltaic installations with 250 kW or larger of rated nameplate capacity allowed by right shall undergo site plan review by the Planning Board prior to construction, installation or modification as provided in this section. Large-scale ground-mounted solar photovoltaic installations with 250 kW or larger of rated nameplate capacity allowed by special permit shall undergo site plan review by the Zoning Board of Appeals.
 - (4) All plans and maps shall be prepared, stamped and signed by a Professional Engineer licensed to practice in Massachusetts.
 - (5) Required Documents. In addition to the submittal requirements under ~ 200-8.4 of the Zoning Ordinance, the project proponent shall provide the following documents:
 - (a) Blueprints or drawings of the solar photovoltaic installation signed by a Professional Engineer licensed to practice in the Commonwealth of Massachusetts showing the proposed layout of the system and any potential shading from nearby structures;
 - (b) One or three line electrical diagram detailing the solar photovoltaic installation, associated components, and electrical interconnection methods, with all National Electrical Code compliant disconnects and overcurrent devices;
 - (c) Documentation of the major system components to be used, including the PV panels, mounting system, and inverter;
 - (d) Name, address, and contact information for proposed system installer;

Attachment M - Greenfield Solar Ordinance

- (e) Name, address, phone number and signature of the project proponent, as well as all co-proponents or property owners, if any;
- (f) The name, contact information and signature of any agents representing the project proponent;
- (g) Documentation of actual or prospective access and control of the project site;
- (h) An operation and maintenance plan;
- (i) Zoning district designation for the parcel(s) of land comprising the project site (submission of a copy of a zoning map with the parcel(s) identified is suitable for this purpose);
- (j) Proof of liability insurance; and
- (k) Description of financial surety that satisfies Subsection (13)(c) of this ordinance.
- (l) A list of any hazardous materials proposed to be located on the site in excess of household quantities and a plan to prevent their release to the environment, as appropriate;
- (m) Documentation by an acoustical engineer of the noise levels projected to be generated by the installation;
- (n) Documentation of soil types on all land involved with the project;
- (o) Locations of wetlands and Priority Habitat Areas defined by the Natural Heritage & Endangered Species Program (NHESP);
- (p) Locations of floodplains or inundation areas for moderate or high hazard dams;
- (q) Provision of water including that needed for fire protection; and
- (r) Existing trees 6" caliper or larger.

The Reviewing Authority may waive documentary requirements that are not applicable to the project under consideration.

- (6) **Site Control.** The project proponent shall submit documentation of actual or prospective access and control of the project site sufficient to allow for construction and operation of the proposed solar photovoltaic installation.
- (7) **Operation & Maintenance Plan.** The project proponent shall submit a plan for the operation and maintenance of the large- scale ground-mounted solar photovoltaic installation, which shall include measures for maintaining safe access to the installation, storm water controls, as well as general procedures for operational maintenance of the installation.
- (8) **Utility Notification.** No large- scale ground –mounted solar photovoltaic installation shall be constructed until evidence has been given to the Site Plan Review Authority that the utility company that operates the electrical grid where the installation is to be located has been informed of the solar photovoltaic installation owner or operator’s intent to install an interconnected customer-owned generator. Off-grid systems shall be exempt from this requirement.
- (9) **Dimension and Density Requirements.**
 - (a) **Setbacks.** For large - scale ground-mounted solar photovoltaic installations, front, side and rear setbacks shall be as follows:
 - i Front yard: The front yard depth shall be at least 50 feet.
 - ii Side yard. Each side yard shall have a depth at least 25 feet.
 - iii Rear yard. The rear yard depth shall be at least 25 feet.
 - (b) **Appurtenant Structures.** All appurtenant structures to large- scale ground-mounted solar photovoltaic installations shall be subject to reasonable regulations concerning the bulk and height of structures, lot area, setbacks, open space, parking and building coverage

Attachment M - Greenfield Solar Ordinance

- requirements. All such appurtenant structures, including but not limited to, equipment shelters, storage facilities, transformers, and substations, shall be architecturally compatible with each other. Structures should be screened from view by vegetation and/or joined or clustered to avoid adverse visual impacts.
- (c) Height of Structures. The height of any structure associated with a Large-Scale Ground-Mounted Solar Electric Installation shall not exceed 20 feet.
 - (d) Project Area. The total project area of any structure and improvements associated with a large-scale ground-mounted solar photovoltaic installation shall not exceed ten (10) acres.
- (10) Design and Performance Standards.
- (a) Lighting. Lighting of solar photovoltaic installations shall be consistent with local, state and federal law. Lighting of other parts of the installation, such as appurtenant structures, shall be limited to that required for safety and operational purposes, and shall be reasonably shielded from abutting properties. Lighting of the solar photovoltaic installation shall be directed downward and shall incorporate full cut-off fixtures to reduce light pollution.
 - (b) Signage. Signs on large-scale ground-mounted solar photovoltaic installations shall comply with ~ 200-6.7. A sign consistent with ~ 200-6.7 shall be required to identify the owner and provide a 24-hour emergency contact phone number. Solar photovoltaic installations shall not be used for displaying any advertising except for reasonable identification of the manufacturer or operator of the solar photovoltaic installation.
 - (c) Utility Connections. Reasonable efforts, as determined by the Planning Board, shall be made to place all utility connections from the solar photovoltaic installation underground, depending on appropriate soil conditions, shape, and topography of the site and any requirements of the utility provider. Electrical transformers for utility interconnections may be above ground if required by the utility provider.
 - (d) Control of Vegetation. Herbicides shall not be used to control vegetation at the solar electric installation. Mowing, grazing or using geotextile materials underneath the solar array are possible alternatives.
 - (e) Noise. Noise generated by Large-Scale Ground-Mounted Solar Electric Installations and associated equipment and machinery shall conform to applicable state and local noise regulations, including the DEP's Division of Air Quality noise regulations, 310 CMR 7.10. A source of sound will be considered in violation of said regulations if the source:
 - i. Increases the broadband sound level by more than 10 db(A) above ambient; or
 - ii. Produces a "pure tone" condition, when an octave band center frequency sound pressure level exceeds the two (2) adjacent center frequency sound pressure levels by three (3) decibels or more. Said criteria are measured both at the property line and at the nearest inhabited residence. "Ambient" is defined as the background A-weighted sound level that is exceeded 90% of the time measured during equipment hours, unless established by other means with the consent of the DEP. Noise generated shall further comply with Section 200-6.8 of the Greenfield Zoning Ordinance.
 - (f) Impact on Agricultural and Environmentally Sensitive Land. The facility shall be designed to minimize impacts to agricultural and environmentally sensitive land and to be compatible with continued agricultural use of the land.
 - i. If documentation of soil types under Subsection C(5)(o) above identifies any Prime Agricultural soils or soils of statewide importance, as identified by the USDA's Natural Resource Conservation Service, on the property or the property is being actively farmed, then a copy of all application materials shall be forwarded to the Agricultural Commission for their review and recommendations. Failure of the

Attachment M - Greenfield Solar Ordinance

- Agricultural Commission to comment within 30 days after receipt shall be deemed as no objection to the proposal.
- ii. Identified Prime Agricultural soils or soils of statewide importance, as identified by the USDA's Natural Resource Conservation Service, on the property shall not be removed from the property.
- (g) Screening. Large-Scale Ground-Mounted Solar Photovoltaic Installations shall be screened from view by a minimum fifteen (15) foot wide staggered and grouped planting of shrubs and small trees. Such plantings shall use native plants and a mix of deciduous and evergreen species and may be located within the setback area.
- (11) Safety and Environmental Standards.
- (a) Emergency Services. The large scale solar photovoltaic installation owner or operator shall provide a copy of the project summary, electrical schematic, and site plan to the Greenfield Fire Chief. Upon request the owner or operator shall cooperate with local emergency services in developing an emergency response plan. All means of shutting down the solar photovoltaic installation shall be clearly marked. The owner or operator shall identify a responsible person for public inquiries throughout the life of the installation.
 - (b) Land Clearing, Soil Erosion and Habitat Impacts. Clearing of natural vegetation shall be limited to what is necessary for the construction, operation and maintenance of the large – scale ground-mounted solar photovoltaic installation or otherwise prescribed by applicable laws, regulations, and bylaws.
- (12) Monitoring and Maintenance.
- (a) Solar Photovoltaic Installation Conditions. The large - scale ground-mounted solar photovoltaic installation owner or operator shall maintain the facility in good condition. Maintenance shall include, but not be limited to, painting, structural repairs, and integrity of security measures. Site access shall be maintained to a level acceptable to the Greenfield Fire Chief and Emergency Medical Services. The owner or operator shall be responsible for the cost of maintaining the solar photovoltaic installation and any access road(s), unless accepted as a public way.
 - (b) Modifications. All material modifications to a solar photovoltaic installation made after issuance of the required building permit shall require approval by the Planning Board.
- (13) Abandonment or Decommissioning.
- (a) Removal Requirements. Any large-scale ground-mounted solar photovoltaic installation which has reached the end of its useful life or has been abandoned consistent with Subsection (13)(b) of this ordinance shall be removed. The owner or operator shall physically remove the installation no more than 150 days after the date of discontinued operations. The owner or operator shall notify the Planning Board by certified mail of the proposed date of discontinued operations and plans for removal. Decommissioning shall consist of:
 - i Physical removal of all large- scale ground-mounted solar photovoltaic installations, structures, equipment, security barriers and transmission lines from the site.
 - ii Disposal of all solid and hazardous waste in accordance with local, state, and federal waste disposal regulations.
 - iii Stabilization or re-vegetation of the site as necessary to minimize erosion. The Planning Board may allow the owner or operator to leave landscaping or

Attachment M - Greenfield Solar Ordinance

designated below-grade foundations in order to minimize erosion and disruption to vegetation.

- iv Soil decompaction in areas where Prime Agricultural Soils or soils of statewide importance, as identified by the USDA's Natural Resource Conservation Service, have been identified or areas that are or have been actively farmed prior to the installation of the facility.
- (b) Abandonment. Absent notice of a proposed date of decommissioning or written notice of extenuating circumstances, the solar photovoltaic installation shall be considered abandoned when it fails to operate for more than one year without the written consent of the Planning Board. If the owner or operator of the large-scale ground-mounted solar photovoltaic installation fails to remove the installation in accordance with the requirements of this section within 150 days of abandonment or the proposed date of decommissioning, the Town may enter the property and physically remove the installation.
- (c) Financial Surety. Proponents of large-scale ground-mounted solar photovoltaic projects shall provide a form of surety, either through escrow account, bond or otherwise, to cover the cost of removal in the event the Town must remove the installation and remediate the landscape, in an amount and form determined to be reasonable by the Planning Board, but in no event to exceed more than 125 percent of the cost of removal and compliance with the additional requirements set forth herein, as determined by the project proponent. Such surety will not be required for municipally- or state-owned facilities. The project proponent shall submit a fully inclusive estimate of the costs associated with removal, prepared by a qualified engineer. The amount shall include a mechanism for calculating increased removal costs due to inflation.

~ 200-7.16. Non-Commercial Scale Solar Energy Installations. [Added by the Town Council on December 19, 2012]

A. Purpose

The purpose of this ordinance is to allow orderly development of non-commercial scale solar energy installations and facilities and to minimize the impacts on scenic, natural, and historic resources of the Town. The provisions set forth in this section shall take precedence over all other sections when considering applications related to the construction, operation, and/or repair of non-commercial scale solar energy installations.

B. Accessory Installations, Building-mounted

Building-Integrated Solar Energy Systems are permitted in all zoning districts. The installation shall have an automatic and manual means of shutdown with clear instructional signage.

C. Accessory Installations, Ground-mounted

Small-Scale, Ground-Mounted Solar Energy Systems are permitted by right within the Health (H), Central Commercial (CC), Limited Commercial (LC), General Commercial (GC), Office (O), General Industry (GI), and Planned Industry (PI) Districts and permitted by special permit from the Zoning Board of Appeals within the Rural Residential (RC), Suburban Residential (RB), Urban Residential (RA), and Semi-Residential (SR) Districts subject to Section 8.3 of the Zoning Ordinance in addition to the following requirements:

- (1) All installations shall have an automatic and manual means of shutdown with clear instructional signage.