

**TOWN OF EASTHAM
INVITATION TO BID**

Installation of photovoltaic array for the Police Station & Fire Station

The Town of Eastham will receive sealed bids for the Installation of photovoltaic array for the Police Station & Fire Station. Bids will be received until **Wednesday, January 14, 2010 at 1:30 p.m.** at the office of the Town Administrator, at which time and place said bids will be opened and read aloud. All bids should be submitted in a sealed envelope clearly marked "**BID: Installation of photovoltaic array for the Police Station & Fire Station.**" Specifications and bidding forms may be obtained from Edward F. Atwood, Eastham Town Hall, 2500 State Highway, Eastham, MA 02642 or by calling (508) 240-5900. The Town reserves the right to accept and/or reject any and all bids and waive any informality in bidding procedures to the extent allowed by law and make the award as may be deemed to be in the best interest of the Town. AA/EOE

Minority owned businesses encouraged to apply.

Sheila Vanderhoef
Chief Procurement Officer



TOWN OF EASTHAM

2500 State Highway, Eastham, MA 02642 - 2544

All departments 508 240-5900 Fax 508 240-1291

www.eastham-ma.gov

TOWN OF EASTHAM INVITATION TO BID

Installation of photovoltaic array for the Police Station & Fire Station

1. Invitation to Bid

The Town of Eastham is accepting sealed bids for the installation of a photovoltaic array located at the Police and Fire Stations (2520-2550 State Highway). The Town is pursuing an Energy Efficiency and Conservation Block Grant (EECBG) Program, which if awarded, will fully fund the project.

Bids will be received at the Eastham Town Hall, Office of the Town Administrator, 2500 State Highway, Eastham, MA. 02642 until **Friday, January 29, 2010 at 2:00 p.m.** at which time and place the bids will be publicly opened and read aloud.

Bids must be received in a sealed envelope and clearly marked on the outside of the envelope as follows:

Chief Procurement Officer

Eastham Town Hall

2500 State Highway

Eastham, MA. 02642

“BID: Installation of photovoltaic array for the Police Station & Fire Station”

***Please include your name and address on the outside of the envelope.**

Bids are to be received no later than Friday, January 29, 2010 at 2:00 p.m. Late Bids will not be accepted. Responses to the Invitation to Bid must include all required documents, completed and signed per the instructions and attached forms included in this invitation to bid packet. Applicants are cautioned to allow sufficient time for their bid to be hand delivered or mailed. The Town Administrator reserves the right to accept and/or reject any and all bids and waive any informalities in bidding procedures to the extent allowed by law and make the award as may be deemed to be in the best interest of the Town. AA/EOE

Bids must be accompanied by a **certified check, bank check, or bid bond**, from a company licensed to perform work in Massachusetts and will be subject to the conditions provided in the Instructions to Bidders. The bid deposit shall be an amount of five percent (5%) of the Bidder's total bid price, and payable to the Town of Eastham. The bid security will be retained until the successful bidder has executed

the contract with the Town, whereupon it will be returned. If the bidder fails to execute the contract and provide the information within five (5) working days of the Notice of Award, the Town may annul the award and the bid security will be forfeited.

All bids submitted in response to this Invitation to Bid shall remain firm and available for acceptance for sixty (60) days following the bid opening. The contract shall be awarded, if at all, within sixty (60) days after the opening of the bids. The award is contingent on the town's receipt of a grant to cover the full cost of the equipment and installation.

This contract is subject to the requirements of the G.L. c149.44A and G.L. c30-39A-M. The provision of G.L. c 149.44A and G.L. c30.39A-M are hereby incorporated by reference into this Invitation for Bids.

Attention is directed to the prevailing wage rates to be paid on this project as established by the Commissioner of Labor and Industries pursuant to the provisions of Massachusetts General Laws Chapter 149, Sections 26 to 27D inclusive, as amended. Prevailing wages are attached here as **Attachment E**.

Bid Bond

A bid bond in the amount of 5% of the total price, either a Cashier's Check or Insurance Bond, shall be issued by a firm authorized to do business in the Commonwealth of Massachusetts to the Town by the contractor with their bid submission. Should the contractor fail to perform the services described in these specifications, the bond may be retained by the Town as liquidated damages. Any bond amount on file with the Town will be returned within ten (10) days after completion of the installation.

Payment Bond and Performance Bonds

A Payment and a Performance bond, each in the amount of 100% of the total bid amount, either a Cashier's Check or Insurance Bond, shall be issued by a firm authorized to do business in the Commonwealth of Massachusetts to the Town by the contractor upon award of the project. Should the contractor fail to perform the services described in these specifications, the bond may be retained by the Town as liquidated damages. Any bond amount on file with the Town will be returned within ten (10) days after completion of the installation.

Withdrawal of Bids

Any bid may be modified or withdrawn prior to the opening of bids. No such modification or withdrawal shall be allowed once the bids are opened.

Bidders shall be **DCAM Certified** in accordance with M.G.L. c. 149, and attach copy of certification to the bid.

Any bid may be modified or withdrawn prior to the opening of bids. No such modification or withdrawal shall be allowed once the bids are opened.

All bids should also include "**Non-Collusive Affidavit**" pertaining to Non-Collusion, and "**Tax Compliance**", attached here as **Attachment A**.

All employees who will perform work on site under this bid must provide proof of completion of an OSHA Construction Safety Course as required under M.G.L. Chapter 30, Section 39S, and attach a copy of completion to the bid.

2. Scope of Work

This project consists of the installation of a rooftop solar photovoltaic installation for the Eastham Police and Fire Stations. The project is based on a feasibility study entitled *Eastham Solar Photovoltaic Options Feasibility Study for the Town Hall, Recreation Building, Police Station, and Fire Station, 12/02/09 (Attachment C)*, which describes a net-metering enabled system, which meets the requirements of the EECBG grant (**Attachment D**). These requirements include the use of American made equipment and a maximum award of \$150,000. The Contractor will be responsible for providing all labor, materials and equipment to provide the Town a fully functional rooftop solar photovoltaic system in accordance with these bid documents.

The feasibility study describes a two-part system with a total of 23.43 kilowatts of photo-voltaic. The Police station and consists of (75) 210-watt modules. The installation at the Fire Station consists of (35) 210-watt modules. The town will consider variations in panel sizes provided the system performs equal or better than the system described in the feasibility study. The Contractor will be responsible for reviewing available construction drawings and verifying existing conditions at the Police and Fire Stations.

The successful bidder is also responsible for obtaining all necessary permits for installation. The Town of Eastham will waive the fee for any town issued relevant building & electrical or other permits. The town will accept any debris related to this installation at no additional fee when delivered to the Town's disposal facility during normal business hours.

The Town of Eastham is exempt from federal and state sales tax. The bid prices shall be net.

All work shall comply with applicable governing codes/regulations/laws. Installers must be experienced and qualified. All materials must be handled, delivered and stored in accordance with manufacturer's instructions. Installation shall be neat and free from defects. All hardware is to be installed per manufacturer's recommendations and in accordance with the warranty requirements of the Town's existing roofing.

3. Site Visit

A site visit will be held on **Tuesday, January 5, 2009 at 2:00 p.m. at the property located at 2520-2550 State Road, Eastham, MA** to examine the roof structures, access/routing for electrical wires and existing electrical power installations. While

the site visit is not mandatory, bidders must submit with full knowledge and responsibility for understanding the installation and site conditions.

4. PV Project and Equipment Warranty Requirements

Contractor Warranty

The bidder shall provide a minimum five (5) year labor warranty to protect the Town against defective workmanship, material component breakdown (exceptions noted below), or degradation in electrical output of more than twenty percent from their originally rated electrical output during the warranty period. The warranty shall include repair or replacement labor.

Manufacturer Warranty

All major equipment must meet the following minimum manufacturer warranties:

Photovoltaic Module: Minimum of one (5) year product warranty from date of sale to the Town for product workmanship and materials, plus a minimum performance warranty of twenty five (25) years within which time the module will produce, under standard test conditions, a minimum of 80% of the product's minimum rated power at time of sale;

Inverters: Minimum of ten (10) years product warranty from date of sale to the Town for product workmanship and materials;

Revenue grade production meters: Two (2) year product warranty;

Mounting equipment: Five (5) year product warranty.

Exception: Aforementioned warranty requirements do not apply to the components of a Data Acquisition System with exception of the revenue grade meter. However, equivalent warranties, if available, or equivalent service contracts are requested for such equipment.

5. Schedule

The Police & Fire Stations are used for public safety and emergencies and are open for business year round twenty-four (24) hours per day. To minimize disruption to daily operations, the contractor shall provide the Town a proposed schedule for approval by the Town before a Notice to Proceed is issued by the Town. If the Contractor cannot begin work within the thirty (30) days of the approved schedule, the OWNER may order such services from such contractors as are available, and the successful bidder shall reimburse the OWNER for all expenses incurred above the Contract Price.

Work is restricted to a normal eight-hour day, five-day week, with Contractor and all subcontractors working on the same shift. The Town may consider extended hours and days of work. The Town will only consider extending hours or the workweek if there is no additional cost to the Town. Final decision for extended hours and days will be made by the Town only.

6. Progress of Work

The Contractor shall promptly start and continue actual construction work under this Contract with the necessary equipment to properly execute and complete this Contract in the specified time. No cessation of Contractor's operations will be allowed without the approval of the Town. The rate of progress shall be satisfactory to the Town's Agent.

7. Work Area

The Contractor may use the sections of the Police and Fire Stations Parking lots located as a staging area during construction. The contractor may store equipment and materials in the staging area. The Town shall not have any liability for loss or damage of any materials or equipment stored by the contractor at the site. Such storage shall be neat and compact at all times.

8. Protection of Town Property

The Contractor shall secure the work area during construction, and at the end of each workday, for the protection of public safety. The Contractor shall protect the town parking lot from damage by the Contractors equipment. The Contractor shall promptly notify the Town of completion of work in writing.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals for doing all the work involved in protecting or repairing property as specified in this section, shall be considered included in the lump sum price and no additional compensation will be allowed therefore.

9. Cleanup and Disposal

Cleanup shall be done on a daily basis. The Contractor shall ensure that all safety marking and warning devices are in place prior to leaving any job, to the satisfaction of the Owner. During the course of the Work, the Contractor shall keep the site of operations in as clean and neat condition as possible.

The Contractor is responsible for disposing of all other debris from this project. The Town will provide free disposal of all construction debris from this project at the Eastham Transfer Station located at 555 Old Orchard Road, Eastham, during normal Transfer Station Hours and in accordance with Transfer Station rules and regulations. The Contractor shall contact the Neil Andres, DPW Superintendent at 508-240-5973, before bringing debris to the Transfer Station so that the Transfer Station gate attendant can let the Contractor in with minimal delay.

10. Emergency Contacts

The Contractor shall maintain a 24-hour, 7-day a week telephone service and a local facility to handle emergency requirements. A list of personnel and their telephone numbers shall be submitted to the Town.

Any bid may be modified or withdrawn prior to the opening of bids. No such modification or withdrawal shall be allowed once the bids are opened.

11. Prevailing Wages

The contractor shall submit weekly, certified payroll reports as required by law. The Town may delay final payment if the contractor does not provide certified payroll in accordance with law. Attached here as **Attachment E**.

12. Insurance Requirement

The contractor shall carry and maintain insurance, as required by applicable laws and regulations, but not less than specified below and in such form as shall protect the Town from all claims and liability for damage and personal injury, including accidental death, and for property damage which may arise from the operations covered under this agreement. The minimum coverage and amounts of such insurance shall be as follows:

COMPREHENSIVE GENERAL LIABILITY

Bodily Injury	\$1,000,000 Each Occurrence \$3,000,000 Aggregate
Products Completed Operations	\$3,000,000 Aggregate

AUTOMOBILE LIABILITY

Bodily Injury and Property Damage CSL	\$1,000,000 Each Occurrence
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UMBRELLA POLICY

General Liability	\$2,000,000
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WORKER'S COMPENSATION

As Required by Massachusetts General Laws	\$500,000 Each Accident \$500,000 Contract Limit \$500,000 Each Employee
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The policies shall be so written that the Town of Eastham will be notified of cancellation at least thirty (30) days prior to the effective date of such cancellation. A Certificate of Insurance from the insurance carrier, stating the limits of liability and the expiration date, shall be filed with the Town before operations may commence. The Town will be noted as an additional insured on the certificate.

13. Indemnification

The successful bidder shall agree to indemnify and hold harmless the Town of Eastham and its officers, employees, boards, commissions, agents, and representatives from and against all claims, causes of actions, suits, damages, and

liability of any kind which arise out of the acts, negligence, or willful misconduct of the successful bidder or its officers, employees, agents and representatives.

14. Method of Payment

Construction of this project will be paid for at the Contract Lump Sum Price, which price shall include all labor, materials (new), equipment, power, disposal fees and incidental costs required to complete this work. Upon completion of work, the contractor shall notify the Owner in writing and submit an invoice. The Town will verify completion of the project within seven days of this notification and notify the Contractor if there are any unfinished terms. Lump sum payment will be made to the Contractor within thirty days of completion of any unfinished item.

Progress payments at 50%, 75%, and 100% complete with 5% retainage will be considered at the Contractors request.

15. Bid Award Criteria

The bid shall be awarded to the lowest, qualified, responsible, and responsive Bidder. Tied bids shall be resolved by a coin toss.

The Owner may consider informal any bid not prepared and submitted in accordance with the provisions hereof. Owner reserves the right to reject any and all Bids, to waive any and all informalities and to negotiate contract terms with the Successful Bidder, and the right to disregard all nonconforming, non-responsive or conditional Bids. Discrepancies between words and figures will be resolved in favor of words. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

In evaluating Bids, Owner shall consider the qualifications of the Bidders (including past performance), whether or not the Bids comply with the prescribed requirements, and lump sum price. Owner shall award the contract to the lowest, qualified, responsive and responsible Bidder.

Owner may conduct such investigations as he deems necessary (including but not limited to requesting a list of all projects completed by a Bidder) to assist in the evaluation of any Bid and to establish the responsibility, qualifications and financial ability of the Bidders, proposed Subcontractors and other persons and organizations to do the Work in accordance with the Contract Documents to Owner's satisfaction within the prescribed time.

The award for this project is contingent on the receipt of a Massachusetts Energy and Efficiency Block Grant of \$150,000. Upon receipt by the Town of the Grant Award, the Town will issue a Notice of Award for this contract at which time performance, payment bonds and Insurance Certificates must be provided for the amount shown in the Bid Form.

16. Termination of Contract

The Town of Eastham reserves the right to terminate the Contract whenever it deems that the contractor is in violation of laws, regulations and /or provisions of this contract.

17. Submission Requirements

All bids for consideration must be received no later than Friday, January 29, 2010 at 2:00 p.m., and in the manner prescribed to be eligible for consideration. Late, faxed, and/or e-mail proposals will not be accepted.

Bids should be addressed and marked as follows:

Chief Procurement Officer

Eastham Town Hall

2500 State Highway

Eastham, MA. 02642

“BID: Installation of photovoltaic array for the Police Station & Fire Station”

BID FORM

BID IDENTIFICATION: Installation of photovoltaic array for the Police Station &
Fire Station

THIS BID SUBMITTED TO:

Chief Procurement Officer
Eastham Town Hall, 2500 State Highway
Eastham, MA 02642

1. The undersigned BIDDER proposes and agrees, if the Bid is accepted to enter into an Agreement with OWNER, to complete all Work as specified or indicated in the Contract Documents for the Contract Lump Sum Price(s) during the Contract period of **January 29, 2010** to **June 30, 2010**, and in accordance with the Contract Documents.
2. This Bid will remain open for sixty (60) days after the day of Bid opening. BIDDER will sign the Agreement and submit other documents (e.g. Bonds, Insurance Binders) required by the Contract Documents within fifteen (15) working days after the date of OWNER'S Notice of Award.
3. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:
 - 3.1 BIDDER has examined copies of all the Bid Documents and any following addenda: **(Attachment F)**

Date: December 1, 2009 Number: Addendum #1

(receipt of all of which is hereby acknowledged)
 - 3.2 BIDDER has examined the legal requirements (federal, state and local laws, by-laws, rules and regulations) and the conditions affecting cost, progress of performance of the Work and has made such independent investigations as BIDDER deems necessary.
 - 3.3 This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation, and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for himself any advantage over any other Bidder or over OWNER.
4. BIDDER will complete all the Work assigned for the Lump Sum Price(s) listed in the Bid Form.

5. BIDDER agrees that Work will conform to all Federal, State and local requirements, and will be fully completed as follows within 10 days of award but in no event later than by **June 30, 2010.**

6. Communications concerning this Bid shall be addressed to:

Company Name: _____

Address: _____

Telephone No.: _____

Fax No.: _____

Bidder's Contact Person: _____

7. Bid comparison will be based on the lump sum bid in accordance with all submission requirements.

8. The undersigned certifies under penalties of perjury that this Bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this paragraph, the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity.

9. The undersigned hereby certifies that all employees to be employed at the work site will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration as required under M.G.L. Chapter 30, Section 39S at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee.

SUBMITTED on _____, 20__.

(Name of person signing bid)

(Company)

LUMP SUM BID

To install photovoltaic array located at the Police and Fire Stations (2520-2550 State Highway) funded by an Energy Efficiency and Conservation Block Grant (EECBG) (**Attachment D**).

Lump Sum Bid

_____ \$ _____
(Written in Words) (In Figures)

ATTACHMENT A

BID: Installation of photovoltaic array for the Police Station & Fire Station
CERTIFICATE OF NON-COLLUSION

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

Signature of individual signing bid

Date

Business Name

STATEMENT OF TAX COMPLIANCE

Pursuant to MGL. Chapter 62C, Section 49 A, I hereby certify under penalties of perjury that I, to my best knowledge and belief, have complied with all laws of the Commonwealth of Massachusetts relating to taxes.

Social Security or Federal Identification Number

Date

Signature of individual signing bid

ATTACHMENT B

BID: Installation of Photovoltaic array for the Police & Fire Stations

DETAILED SPECIFICATIONS

PART 1 – GENERAL

Description: Work includes:

- a. The supply and installation of electrical wiring, equipment and accessories for a fully operational, Utility Interactive Photovoltaic (PV) System including a revenue quality power meter. All work shall meet the installation requirements of the Massachusetts Energy and Efficiency Block Grant without exception. The proposed system must have a minimum nominal capacity of 23.43 KW (DC/STC)
- b. The contractor shall provide commissioning assistance to the Town's Agent: to facilitate access to equipment for operational verification; to compile test results; and to demonstrate System Acceptance Testing to the Town of Eastham Inspector, and the NTAR Electric Company Project Engineer.
- c. Licensing: All firms and personnel employed for the work specified shall possess certifications and/or licenses as required by the Commonwealth of Massachusetts.

Minimum Work Requirements: 780 CMR Massachusetts Building Code, the Massachusetts Electric Code (MEC), Underwriters Laboratories Inc. (UL), and the National Fire Protection Association (NFPA) are reference authorities for minimum installation standards and component requirements. Project specifications for component and installation requirements that exceed minimum requirements will prevail.

Reference Standards:

780 CMR Massachusetts State Building Code
527 CMR Massachusetts Electric Code (NEC) ® 2002) or NFPA 70
UL underwriters Laboratory (UL) Standard 1703 & Standard 1741

Product Handling:

- a. Equipment and materials shall be protected during shipment and storage from physical damage and the elements.
- b. Equipment, including any cabinets and raceways shall be protected against the entry of foreign objects and physical damage and be cleaned during and after installation measures.
- c. Damaged equipment shall be placed in as new condition or replaced at the determination of the Town's agent.

Hoisting and Rigging:

- a. Installation work includes the hoisting and rigging required for supply of equipment to the roof.

- b. All firms and personnel employed for the work specified shall possess certifications and/or licenses as required by the Commonwealth of Massachusetts.

Product Safety:

Photovoltaic modules produce power when exposed to light. Provision of guarded conductors and/or covering modules with an opaque material shall be made while handling and interconnecting. For all equipment installation measures, workers shall be trained utilizing at minimum the manufacturers' recommended handling and installation instructions. The National Renewable Energy Laboratory Handbooks on recommended practices are recommended additional training aids.

Job Conditions:

Photovoltaic Source Circuit raceway or raceway and wiring from existing electrical panel(s) to the rooftop shall be in place prior to array construction. Uninstalled modules shall be secured and covered at all times. Installed modules shall be configured as full array strings. Wire runs, power and ground connections, and box covers shall be secured with switch gear locked off as each array string is completed and at the close of the work day. Module and Inverter serial numbers shall be entered on manufacturer warranty forms and registered on shop drawings as to position in array strings. Equipment locations shall be as close as practical.

Equipment Identification

An additional requirement for the identification of equipment beyond those of the Massachusetts Electrical Code shall be to clearly identify array strings by letter designation on array string switchgear and connection(s) and on individual power conditioning units if applicable. Individual modules shall be identified as components of array strings by array string letter designation and number. A system plaque of laminated red phenolic resin with a white core, with engraved lettering a minimum of 1/4 " inch high shall be affixed near the PV system main interconnection breaker or interconnection panel detailing system Parameters in accordance with the Massachusetts Electrical Cod (527 CMR 12.00) Article 690 Section VI. "Marking".

Permitting and Commissioning Submittals:

1. Town of Eastham building and electrical permits.
2. Equipment Installation & Maintenance Manuals
3. Warrantees and Manufacturer's Warranty Execution Transmittals
4. Record As-Built Drawings detailing Array Strings
5. Acceptance Test Report with measured parameters.

Warranty:

A complete system warranty must be provided that is all inclusive of all materials & equipment supplied for a period of at least five years.

Maintaining Integrity of Manufacturers Roof Warranty

Any and all work on the job shall be performed in such a manner and with appropriate oversight to maintain the original warranty for the roof structure. Specifically, all mounting structures and perforations of the roof must be reviewed and approved by the roof manufacturer to ensure that the 20 year limited warranty remains valid and enforceable.

PART 2 – PRODUCTS

- **The Following equipment is listed to illustrate the required performance and physical requirements of materials. Due to rapidly changing market conditions, the town cannot guarantee the equipment below is American made. The contractor shall be solely responsible to document, the material used in the project is American made in accordance with EECBG grant requirements.**

PV Modules: Subject to compliance with requirements: UL Standard 1703, Class C Fire Rating minimum, 25 year warranty. Evergreen Solar ESA 210 or equal

Module Interconnects: Subject to compliance with requirements: Massachusetts Electrical Code (527 CMR 12.00) Article 690 Section IV. Provide assembly component Evergreen Solar or equal

Rooftop Transition Boxes: Subject to compliance with requirements: Massachusetts Electrical Code (527 CMR 12.00) Article 690 Section IV. Provide assembly component product by one of following or equal:

Hoffman, 21 Hoffman Way, Anoka, MI 55303-1745
RWE-Schott, 2260 Lava Ridge Ct., Suite 102, Roseville, CA 95661

Mounts: Subject to compliance with requirements: 780 CMR Massachusetts Building Code. Evidence of compliance shall include certified test reports:

- a. Installation of the mounts shall not void the warranty of the roofing shingles. Mounts and fasteners shall be constructed of non-corrosive material.
- b. Mounts shall be rated for the modules specified.
- c. Mounts shall hold modules parallel to the surface of the roof.

Provide product by one of following or equal:

RWE-Schott, 2260 Lava Ridge Ct., Suite 102, Roseville, CA 95661
SunWize, 1155 Flatbush Road, Kingston, NY 12401-7011
Uni-Rac, 2300 Buena Vista Drive, Albuquerque, NM 87106

Power Conditioning Equipment (Inverter): Subject to compliance with requirements: UL Standard 1741, 5 year warranty minimum. Provide 3 Phase Inverter product(s) by one of the following or equal:

Solectria Renewables, LLC 360 Merrimack St., Bldg G, Lawrence, MA 01843
SMA America, Inc., 20830 Red Dog Rd., Grass Valley, CA 95945

Warranty: Warranty Service shall include all labor, shipping, and materials as needed. Warranty Service shall be provided at no charge to the Town of Eastham for a period of two years. Warranty Service requests must be acted upon within **two weeks**.

Substitutions: Major component products shall be supplied and installed as bid. Substitutions shall not be allowed except under exceptional circumstances and with approval of the Town's agent.

PART 3 – EXECUTION

Schedule: Work shall be completed in coordination with the Town's agent.

The Contractor will supply detailed electrical and structural plans and documentation following the bid award based on the bid specified system capacity and components. The selected Contractor will attach this diagram for Submittal to the Town of Eastham as part of the Photovoltaic System permit application.

The Contractor will submit documentation for Interconnection Approval to NSTAR Electric Company.

Location: Per feasibility study (**Attachment C**)

Landscape Trimming: The Town of Eastham will trim the existing plants/trees in front of the installation to eliminate shading if required.