

# Request for Proposals

Solar Energy Power Purchase Agreement and Site Lease  
Town of Milan  
20 Wilcox Cir  
Red Hook, NY 12571

Issue Date: June 16, 2015

## 1. PROJECT OVERVIEW

### 1.1 Project Goals and Background

The Town of Milan is a governmental unit recognized by the State of New York. It resides in the Central Hudson Gas and Electric Company service territory. The town of Milan's goal is to procure a photovoltaic generating system that will offset the annual energy usage of all the town property utility accounts. The desired outcome is to save money for the tax payers and reduce the carbon footprint of the town.

### 1.2 Project Description

The installation of a 70 to 75 kW DC rated ground mounted solar system on the town owned lands located at the address listed below. The Municipality consumes approximately 83,661 kWhs per year. Under this RFP, the town is seeking to offset close to 100% of the town's most recent historic energy usage.

### 1.3 Site description:

- Address: 20 Wilcox Cir, Red Hook, NY 12571
- \* Site to be located on the North-West corner of the property listed above, standing along the tree line. Please see attached drawings for more details.
- Ownership: The town of Milan owns the property
- Available space: Approximately 1.5 Acres
- This project will be a Ground Mount System
- Access will not be an issue
- Shading will not be an issue
- Utility: Central Hudson Gas & Electric
- Local Authorities: Milan Township
- Water: This area does not flood
- Zoning: Ground Mount Systems are allowed

## 2 CONTRACT TERMS AND REQUIREMENTS

The response must demonstrate the respondent's willingness and ability to comply with the following expected Power Purchase Agreement contract requirements

### 2.1 Bid Bond

Such cash, checks or bid bonds will be returned to all except the three highest scoring bidders within three days after the closing of bids, and the remaining cash, checks, or bid bonds will be returned promptly after Town of Milan and accepted bidder have executed the contract, or, if no award has been made within 45 days after the date of the opening of bids, upon demand of the bidder at any time thereafter, as long as he has not been notified. See Attachment 7.

### 2.2 Insurance

The selected bidder shall be required to list Town of Milan as an additional insured. Minimum required insurance coverage includes:

- The Proposer shall take out and maintain during the life of this Agreement, such bodily injury liability and property damage liability insurance as shall protect it and

the Town of Milan from claims for damages for bodily injury including accidental death, as well as from claims for property damage that may arise from operations under this Agreement, whether such operations be by the Proposer, by any subcontractor or by anyone directly or indirectly employed by either of them. It shall be the responsibility of the Proposer to maintain such insurance in amounts sufficient to fully protect itself and the Town of Milan, but in no instance shall amounts be less than the minimum acceptable levels of coverage set forth below:

- Bodily Injury Liability Insurance in an amount not less than ONE MILLION AND 00/100 (\$1,000,000.00) DOLLARS general aggregate
- Property Damage Liability Insurance in an amount not less than ONE MILLION AND 00/100 (\$1,000,000.00) DOLLARS for each occurrence and in an amount of not less than ONE MILLION AND 00/100 (\$1,000,000.00) DOLLARS general aggregate
  
- Other Conditions of Commercial General Liability Insurance:
  - Coverage shall be written on Commercial General Liability form.
  - Coverage shall include:
    - Contractual Liability
    - Independent Contractors
    - Products and Complete Operations.
  - “Additional Insured” status shall be granted to the “Town of Milan,” shown on the Commercial General Liability policy, further stating that this insurance shall be primary and non-contributory with any other valid and collectable insurance.
  
- Workers compensation coverage as required by New York State works compensation law § 57 or proof of respondent not being required to secure same. One of the following forms must be submitted.
  - Form C-105.2 – “Certificate of NYS Workers’ Compensation Insurance”
  - Form U-26.3 – “Certificate of Workers’ Compensation Insurance”
  - Form SI-12 – “Affidavit Certifying that Compensation has been secured”
  - Form GSI-105.2 – “Certificate of Participation in Workers’ Compensation Group Self-Insurance”
  - Form GSI-12 – “Certificate of Group Worker’s Compensation Group Self-Insurance”
  - Form CE-200 – “Certificate of Attestation of Exemption from New York State Workers’ Compensation and/or Disability Benefits Insurance Coverage”
  
- Disability benefits insurance as required by New York state workers compensation law § 220 or proof of respondent not being required to secure same. One of the following forms must be submitted.
  - Form DB-120.1 – “Certificate of Insurance Coverage Under the NYS Disability Benefits Law”
  - Form DB-155 – “Compliance with Disability Benefits Law”Please sign Insurance Statement (See Attachment 8)

### 2.3 Subcontracting

Except to the extent contemplated in the response and permitted in the contract, the contract will prohibit assignment or subcontracting without the Town of Milan's express prior approval.

### 2.4 Indemnification

The contract will require that the contractor hold harmless and indemnify the Town of Milan and its officers, agents and employees against all claims, demands, actions and suits, (including all attorney's fees and costs) brought against any of them arising from the contractor's work or any subcontractors work under the contract.

### 2.5 Compliance with the law.

The contract will require compliance with all federal, state and municipal laws, ordinances, rules and or regulations, including labor laws and laws against employment discrimination.

### 2.6 Governing law and venue

All contracts entered into by the Town of Milan shall be governed by the laws of the State of New York. Any dispute shall be resolved within the venue of the state of New York.

### 2.7 Respondent due diligence

Information provided in the RFP is for general information purposes only. It is the respondents responsibility to conduct due diligence on the site. Submission of a response shall be conclusive evidence that the respondent has examined the premises and is familiar with all the conditions of this procurement.

### 2.8 Pre-contractual expenses

All proposals prepared in response to this RFP are at the sole expense of the proposer, and with the express understanding that there will be no claim, whatsoever, for reimbursement from the Town of Milan for the expenses of preparation. The Town of Milan shall not be liable for any expenses incurred by the proposer prior to the date of award and the commencement of contract services.

### 2.9 SEQRA Review

The project will be subject to State Environmental Quality Review Act (SEQRA) review. Upon being awarded the contract the selected respondent will be responsible for preparing SEQRA related documents and required permit applications.

The developer will be the sole party responsible for all project, SEQRA, and permitting costs and shall reimburse the Town of Milan for all costs associated with project related SEQRA actions, documents and determinations as described above as well as project related approvals and permitting.

### 3 RFP PROCESS AND SUBMISSION INFORMATION

#### 3.1 Submission Deadline and Instructions

Proposals from respondents, as required in accordance with all terms and specifications contained herein, will be receive until August 14th, 2015 12:00pm and are to be sent to:

Town Clerk  
20 Wilcox Cir  
Red Hook, NY 12571

Responses must be submitted in a sealed outer package. Within each envelope or package, the respondent shall enclose a cover letter with the signature, name, and title of the person authorized to submit the response on behalf of the respondent.

Within a sealed envelope within the outer package, respondent shall enclose one (1) original and (7) hard copies and (1) single-file electronic version (in Adobe Acrobat (pdf) format and on a CD-ROM or thumb drive) of the proposal. The sealed envelope shall be marked with the respondent's company name, and plainly marked in the lower left hand corner there should be written:

"Response to Milan Solar Energy RFP"

All proposals should be written in ink or typed. If there is any correction with whiteout, the person signing the proposal must initial the correction.

A respondent filing a proposal thereby certifies that (1) no officer, agent, or employee of the Town of Milan has a pecuniary interest in the proposal; (2) the proposal is made in good faith without fraud, collusion, or connection of any kind with any other.

The right is reserved, as the interest of the Issuer may require rejecting any or all proposals, to waive any technical defect of informality in proposals received, and to accept or reject any proposals or portion thereof.

#### 3.2 Timeline

Request for Proposals Issued	6/23/2015
optional Informational Meeting and Site Visit	7/7/2015
Inquiries Due to the Awarding Authority	7/31/2015
Responses to Inquiries/Addenda Issued by the Awarding Authority	8/7/2015
RFP Submission Deadline	8/14/2015
Public Opening of Bids	8/17/2015
Anticipated Selection of Selected Respondents (short list)	8/24/2015
Final Contract Approval by Awarding Authority	9/1/2015
Project Commencement within a month (All permits submitted)	9/30/2015

### 3.3 Informational Meeting and Site Visit

An optional informational meeting and site visit will be held for prospective respondents at Town Hall on July 7th, 2015 at 2:00pm. Respondents interested in attending must confirm attendance by contacting Oliver Noll: 845-642-4886: [oliver@solasenergy.com](mailto:oliver@solasenergy.com).

### 3.4 Inquiries

All questions and inquiries regarding this RFP must be submitted via email to [oliver@solasenergy.com](mailto:oliver@solasenergy.com) no later than July 31st, 2015, 12:00pm.

Inquiries will not be answered directly. The Awarding Authority will issue an addendum to address the written questions submitted by the aforementioned deadline. Any addenda will be posted (by email or online at <http://www.milan-ny.gov/>) (If answered by email: It is the responsibility of the Respondent to contact [oliver@solasenergy.com](mailto:oliver@solasenergy.com) by email prior to the submittal deadline to ensure that the Respondent has received all addenda issued by the Awarding Authority.)

### 3.5 Amendments and/or Cancellation of this RFP

If this RFP requires an amendment, written notice of the amendment will be given to all prospective respondents that have attended the informational meeting or contacted [oliver@solasenergy.com](mailto:oliver@solasenergy.com). The Awarding Authority reserves the right to modify, amend or cancel this RFP if the Awarding Authority determines that it is in the best interest of the Awarding Authority to do so.

### 3.6 Withdrawal and Modification

Any respondents may withdraw or modify its response by written request at any time prior to the RFP submission deadline. Telephone responses, amendments or withdrawals will no be accepted.

### 3.7 Proposals as Public Records

All materials submitted in response to this RFP become the property of the Town of Milan and become public records after the award of the contract, except for information not subject to disclosure pursuant to New York State Public Officers Law, Article 6 ("FOIL")

During the evaluation process, the content of each Proposal will be held in confidence and details of any Proposals will not be revealed (except as may be required under FOIL, other state and federal laws or which may be required by judicial decree). FOIL provides for an exemption from disclosure for trade secrets or information the disclosure of which would cause injury to the competitive position of the Proposer. This exception would be effective both during and after the evaluation process. Should the Proposer's submission contain any such trade secrets or other confidential or proprietary information, a request to exempt such information from disclosure must be submitted with the Proposal. Such request must be in writing, must state the reasons why the information should be exempt from disclosure and must be provided at the time of submission of the subject

Request for exemption of the entire contents of a Proposal from disclosure has generally not been found to be meritorious and are discouraged. Limit any request for exemption of information from disclosure to bona fide trade secrets or specific information, the disclosure of which would cause a substantial injury to the competitive position of the Proposer.

### 3.8 Opening of Bids

At the time and place fixed for the opening of bids, the Awarding Authority will open and publically read aloud every bid that was received within the time set for receiving bids. Bidders and other persons properly interested may be present, in person or by representative.

## 4 PROPOSAL REQUIREMENTS

The successful bidder shall provide fully managed photovoltaic services that include, but are not limited to, securing the necessary labor, services, equipment, permits and approvals to develop fully operational PV systems. The successful bidder shall then commission, own, monitor, operate, and maintain the system after installation. All applicable federal and state laws, county, bi-county, local, and municipal ordinances, and the orders, rules and regulations of all authorities having jurisdiction over this work shall apply to the contract throughout the term of the agreement, and they will be deemed to be included in the contract the same as though written out in full.

Submitted proposals should include:

### 4.1 Bidder Information Form

Each proposal should include a signed and completed Bidder information form. (See Attachment 3)

### 4.2 Transmittal Letter

Each proposer's response should include a transmittal letter signed by a party authorized to make a formal bid on behalf of the proposer. The letter shall clearly indicate that the proposer has carefully read all the provisions in the RFP and should include a brief overview of the respondent's proposal. Transmittal letters should also acknowledge receipt and understanding of any Addenda associated with the project. (Please include Transmittal Letter in addition to Attachment 3)

### 4.3 Company Overview

- a) Year founded and number of continuous years in business
- b) Ownership status (publicly or privately held).
- c) Corporate Office location
- d) Local Office location
- e) Number of employees in local branch office at time of submittal (full time employees, excluding contractors)
- f) A description of any ongoing or previous litigation your firm has been involved in and a statement that the respondent is not debarred, suspended or otherwise prohibited from practice by any federal, state, or local agency.
- g) A list of state-specific contracting licenses held, including classification and

- h) Evidence of certification and participation in NYSERDA NY-Sun Incentive Program for less than 200 kW
- i) Federal Tax Identification Number

#### 4.4 Project Team

Provide information about the key personnel to be assigned to this project including:

- a) Full contact information for the project manager
- b) An organization chart including all key personnel.
- c) For all key personnel (including subcontractors), professional experience, certifications, project role, and office location.
- d) Resumes of key personnel, provided in an appendix to the proposal
- e) Evidence of NABCEP, Professional Engineer (P.E.), or Master Electrician certification where applicable, provided in an appendix to the proposal.

#### 4.5 Qualifications and References

Describe previous solar installation experience, drawing particular attention to projects done on behalf of municipalities and other governmental entities (and any projects reflecting project-specific attributes, such as landfill or brownfield projects, projects of a given size, etc.)

In addition to this description, provide references for at least three complete and currently operating non-residential grid-connected PV systems, including

- a) System size (kW DC)
- b) Host Customer and/or Owner contact information  
(Name, email, address, phone)
- c) Location
- d) Date Completed
- e) Any other relevant installation-specific information

#### 4.6 Project Plans

Provide a detailed plan of the proposed project. Project plans must include the following:

- a) Proposed Project Timeline  
Following are key milestones for the Project. Expected dates for their completion should be provided in the response to this solicitation.

Milestone	Milestone Date (To be provided by respondent)	Deliverables
Notice to Proceed		<ul style="list-style-type: none"> <li>· Waste Management Plan</li> <li>· Notice-to-Proceed from NYSERDA</li> <li>· Payment Request Form</li> </ul>
Completion of System Design and Materials Ordered		<ul style="list-style-type: none"> <li>· Executed vendor contract(s) demonstrating total project cost</li> <li>· Vendor invoices for labor and materials, certified by Sub-Recipient</li>   <li>· All documents that satisfy the Post-Implementation Requirements</li> <li>· Completed Engineer analysis and design plans</li> <li>· Proof of Materials Ordered</li> <li>· Payment Request Form</li> </ul>
Secure System Equipment and Assets		<ul style="list-style-type: none"> <li>· Vendor invoices for labor and materials, certified by Sub-Recipient</li>   <li>· Proof of Materials Delivered</li> <li>· Pre-Implementation Energy Use Data</li> <li>· Manufacturer Cut Sheets</li> <li>· Payment Request Form</li> </ul>
Substantial Completion		<ul style="list-style-type: none"> <li>· Vendor invoices for labor and materials, certified by Sub-Recipient</li>   <li>· Certificate of Completion</li> <li>· Cost Data</li> <li>· Proof that the PV system has been connected to the utility grid</li> <li>· Copies of all necessary permits, approvals, and certificates from all authorities having jurisdiction</li> <li>Note: Project must receive a Post Implementation Site Inspection prior to receiving payment</li> <li>· Payment Request Form</li> </ul>
Final completion		<ul style="list-style-type: none"> <li>· Vendor invoices for labor and materials, certified by Sub-Recipient</li>   <li>· Post implementation Energy Use Data</li> <li>· All Documents that satisfy the Post Implementation Requirements</li> </ul>

b) Proposed System Design and Components

Components: Include an overview of the proposed photovoltaic system, including brief descriptions of the main components (at a minimum modules, inverters and mounting system). Respondents are encouraged to provide specification sheets for any proposed technologies as an appendix.

Design: Include Preliminary Drawings for the proposed PV system that includes (at a minimum):

- One Line Drawing
- System Size: (in kW DC and kW AC)
- Location of modules (including tilt)
- Location of inverters
- Any other site specific information that will aid in overall evaluation.
- Clearance around all mechanical equipment

Provide proof of Proposer's supply contracts or actual PV panel supply. List Proposer's preferred PV technology and past experience with those technologies. List panel suppliers that Proposer has worked with and describe the relationship with the supplier.

Warranties: Describe any warranties associated with the installation, including full system coverage and/or warranties associated with individual components. Include actual Warranty literature from product manufacturers.

The Town of Milan permit costs will be waived by the Town of Milan.

c) Expected System Generation

Provide expected annual system generation in kilowatt-hours (See attachment 5)

d) Construction Plans

Provide a detailed narrative description of the approach taken in installing the proposed project, including how the respondent will work with subcontractors, municipal agencies, and other relevant stakeholders. Detail how the respondents will approach the project (highlight any special considerations for this project, such as multiple phases, or other issues requiring particular attention).

It will be the responsibility of the successful Proposer to provide any temporary barricades or protection of non-working or working areas as required to meet job conditions. The successful proposer is responsible for storage and protection of all materials. Upon completion of this project, it is the responsibility of the successful proposer to furnish an "AS BUILT" electrical drawing.

It is the responsibility of the successful proposer to furnish and install complete and operating photovoltaic solar systems in accordance with all local, state, and federal codes having jurisdiction, whilst using the best engineering practice.

Please clarify your assumptions with regards to whether or not the existing utility infrastructure will support the interconnection of the proposed solar facility. If upgrades are required, please state your assumptions with regard to the expected costs of such upgrades and what party is responsible for those costs.

e) Financing Plan

Provide a description of how the respondent will finance the proposed project. Identify any financial partners that will be involved in the project, and note whether there will be a guarantor standing behind any specific financial obligations, including security on project milestones. Describe in this plan all available tax credits, incentives, environmental attributes, and subsidies that will be used to finance the project, and how these will be utilized in the financing of the project.

f) Measurement and Verification Plan

Indicate if and how the respondent will provide system performance monitoring via a data acquisition system (DAS). Provide a detailed description of the DAS system and the end-user interface.

Energy Production Assurance:

Describe any penalties the Proposer would incur if the eventual PV system does not produce energy as expected. Describe any third party verification of predicted or actual energy production.

g) Operations and Maintenance Plan

The selected respondent will provide Operation & Maintenance (O&M) services for the full term of the Agreement. Please describe the proposed O&M procedures for the system, detailing duties performed and if the contract will be maintained with the Proposer or a third-party provider. Please describe the respondent's experience providing such services for similar installations and name the key personnel in charge of handling O&M services. Provide a procedure for reporting documentation of any performance disruptions other than caused by grid power failure.

h) Decommissioning Plan

The selected respondent will provide information regarding the proposed approach to system decommissioning. This decommissioning plan should include a description of the respondent's approach to providing financial assurance that funding will be available to decommission the system at the end of the contract term.

i) Environmental Permitting Plan

Proposers must demonstrate a firm understanding of SEQRA and other approvals and permits required to successfully execute the Project. Proposals should include a plan for acquiring SEQRA approval and other necessary permits. Developer will be responsible for all necessary environmental testing, permitting and compliance. To the extent possible, Respondents should identify the regulatory

and permit conditions relevant to their proposals, potential conflicts between the project and existing permit conditions, and variances that might be required.

#### 4.7 Pricing Proposal

Price proposals should be provided using the form contained in Attachment 5 of this RFP. This price proposal must be provided in a separated sealed envelope marked "Price Proposal". Price proposals shall be valid for a minimum of 120 days. Include a description of how the system production will be guaranteed. Include explanation of any possible additional costs of an unaddressed expense. Your bid should include all expenses.

#### 4.8 Insurance requirements

Please provide evidence that the firm meets the minimum insurance requirements listed in section 2.2 above. (Include signed Attachment 8)

#### 4.9 Comments on Draft Power Purchase Agreement

Required information for proposed PPAs are in Attachment 6 of this RFP. Proposers should provide comments on sections in the draft PPA that they provide that would require further negotiation.

Provide any information on financial partners for PPA, including silent partners.

## 5 EVALUATION PROCESS

### 5.1 Overview of Evaluation Process

The issuer will utilize an evaluation system to rank the qualified respondents. It is the responsibility of each respondent to provide information, evidence or exhibits that clearly demonstrate the respondent's ability to satisfactorily respond to the project requirements and the factors listed in this RFP.

The evaluation process may include verification of references, confirmation of financial information and may include examination of other information as Town of Milan deems appropriate.

Town of Milan will/may as it deems necessary, conduct interviews to evaluate the respondents. Town of Milan may require public presentations by the respondents. Town of Milan reserves the right to request or obtain additional information about any and all responses.

Each response from a qualified proposer will be evaluated solely according to the criteria set forth in this RFP. The Town of Milan will enter into negotiations with the respondent who's proposal yields the highest score.

If the Town of Milan and the most competitive qualified respondent are unable, within sixty (60) days following the Town of Milan's notice of commencement of negotiations with a respondent (or such time as Town of Milan may deem appropriate), to negotiate a satisfactory contract the Town of Milan determines to be fair and reasonable, the Town of

Milan shall continue negotiations with the next most competitive respondent.

Town of Milan may cancel this procurement when it determines that cancellation serves the best interests of the public. Town of Milan may reject, in whole or in part, any and all planned or proposed project, when it determines the rejection serves the best interest of the public.

## 5.2 Evaluation Criteria

At a minimum, respondents shall meet the following requirements:

- a) Timely submission of response
- b) Submission of all required elements found in Section 4 of this RFP
- c) Certification of Non-Collusion (Attachment 4)
- d) Certification that the respondent, if ultimately awarded a contract, will guarantee completion of all work required within due dates or the time periods needed
- e) Evidence of appropriate insurance

The qualified proposers providing completed responses will be evaluated based on the following point systems:

Criteria	Points
Developer Experience & Project Team	15
Project Design and Project Mgmt.	20
Price Proposal/Cost Effectiveness	50
Bankability of System Integrator	5
Proximity of Proposer	5
Bankability of Manufacturers	5

- a) Developer Experience and Project Team  
Proposals must clearly demonstrate the capability, academic background, training, certifications, including evidence of certification and participation in the NYSERDA NY-Sun Initiative Program for projects between 50 and 200 kW, of the proposed personnel (not just of the respondent).

If sub-contractors will be employed, similar information must be provided and the portions to be sub-contracted must be identified. Three references will be contacted for each proposer to determine the quality of past projects.

- b) Project Design and Project Management  
The response shall include an explanation of how the Proposer will approach the various tasks, including scheduling, methods and sources. A preliminary system design should also be provided. Responses will be evaluated on the adequacy of their proposed system design, project schedule, and construction, financing, measurement and verification, operations and maintenance, and decommissioning plans.

c) Price Proposal/Cost Effectiveness

Price Proposals will be evaluated on a net present value basis using standard discount rates and reasonable electricity price escalation rates.

d) Bankability of System Integrator

The ability to finance the construction of the PV system is critical to the proposer's ability to complete the project. Proposers should provide in their responses a clear discussion of how they intent to finance the system and what financing partners will be involved in the project.

e) Proximity of Proposer

A small preference will be given to local installers

d) Bankability of Manufacturers

Minor points are awarded to bids that show the long term sustainability of parts manufacturers.

**ATTACHMENT 1: Site Description**

- Address: 20 Wilcox Cir, Red Hook, NY 12571
- Available space: Approximately 1.5 Acres
- Approximately 400 ft from array to main disconnect at meter stanchion
- Please see attached EPA assessment
- Please see attached for Solar Pathfinders
- Aerial photos (Please see attached site assessment made by EPA, Figure 3C, Area #2)
- Site map (See Following Site Map)
- Zoning: Ground Mount Systems are allowed  
Building permit fees will be waived by the town of Milan



# Solas Energy, Inc. Site Report

<b>Report Name</b>	Town of Milan Town Hall Example Solar Pathfinder Report
<b>Report Date</b>	6/8/2015 8:05:38 PM
<b>Declination</b>	-13d 24m
<b>Location</b>	Red Hook, NY 12571
<b>Lat/Long</b>	42.009 / -73.84
<b>Weather Station</b>	Newburgh-Stewart Intl AP, NY, Elevation: 581 Feet, (41.500/-74.100)
<b>Site Distance</b>	38 Miles
<b>Report Type</b>	PV
<b>Array Type</b>	Fixed Angle
<b>Tilt Angle</b>	35.00 deg
<b>Ideal Tilt Angle</b>	35.00 deg
<b>Azimuth</b>	180.00 deg
<b>Ideal Azimuth</b>	180.00 deg
<b>Electric Cost</b>	0.15 (\$/KWH)
<b>Panel Make</b>	SolarWorld
<b>Panel Model</b>	SW 285 Mono Black
<b>Panel Count</b>	260
<b>DC Rate (per panel)</b>	285.0 Watts
<b>Total System Size</b>	74,100.0 Watts
<b>Inverter Make</b>	SMA America
<b>Inverter Model</b>	SB10000TL-US-12 (240V)
<b>Inverter Count</b>	7
<b>Derate Method</b>	System Setting
<b>Derate Factor</b>	0.815
<b>Layout Configuration</b>	Custom
<b>Layout Point Count</b>	2

**Notes:** Example of the potential system shading and expected anual energy generation



# Solas Energy, Inc. System Picture Layout

Layout Type

Custom

Layout Point Count

2





# Solas Energy, Inc. Summary Report

## Solar Obstruction Data

Month	Unshaded % of Ideal Site Azimuth=180 Tilt=42.01	Actual Shaded Solar Radiation Azimuth=180.0 Tilt=35.0 KWhr/m^2	Actual Shaded AC Energy (KWH) Azimuth=180.00 Tilt=35.00	Actual Unshaded AC Energy (KWH) Azimuth=180.0 Tilt=35.00	Ideal Unshaded AC Energy (KWH) Azimuth=180.0 Tilt=35.00	PVWatts Unshaded % Actual Site Azimuth=180.0 Tilt=35.00
January	92.43 %	2.84	5,700.28	6,060.00	6,060.00	92.80 %
February	91.57 %	3.39	5,932.58	6,440.00	6,440.00	91.42 %
March	94.08 %	3.57	6,564.36	6,869.00	6,869.00	94.23 %
April	95.82 %	5.07	8,895.32	9,145.00	9,145.00	96.26 %
May	95.70 %	4.27	7,587.77	7,743.00	7,743.00	96.02 %
June	95.21 %	5.45	8,979.86	9,241.00	9,241.00	95.50 %
July	95.81 %	5.92	9,951.77	10,226.00	10,226.00	95.98 %
August	95.44 %	5.26	8,958.40	9,189.00	9,189.00	95.88 %
September	93.40 %	2.95	4,922.92	5,129.00	5,129.00	93.59 %
October	93.60 %	3.11	5,454.44	5,739.00	5,739.00	93.81 %
November	95.21 %	2.98	5,314.43	5,526.00	5,526.00	95.48 %
December	94.97 %	2.83	5,404.47	5,648.00	5,648.00	95.13 %
<b>Totals</b>	<b>94.43%</b>	<b>47.63</b>	<b>83,666.58</b>	<b>86,955.00</b>	<b>86,955.00</b>	<b>94.68 %</b>
	<b>Unweighted</b>	<b>Effect: 94.89%</b>				<b>Unweighted</b>
	<b>Yearly Avg</b>	<b>Sun Hrs: 3.97</b>				<b>Yearly Avg</b>

## Azimuth/Altitude Data

Azimuth / Altitude (degrees) where North = 180 degrees

-125	21.0	-80	9.5	-35	4.0	10	7.0	55	26.5	100	41.5
<b>-120 (ENE)</b>	<b>21.0</b>	-75	9.5	<b>-30 (SSE)</b>	<b>4.0</b>	15	13.0	<b>60 (WSW)</b>	<b>29.5</b>	105	42.0
-115	20.0	-70	10.5	-25	3.0	20	16.0	65	32.5	110	42.0
-110	18.0	-65	7.0	-20	3.0	25	15.5	70	32.5	115	42.0
-105	16.0	<b>-60 (ESE)</b>	<b>7.5</b>	-15	3.5	<b>30 (SSW)</b>	<b>12.0</b>	75	29.5	<b>120 (WNW)</b>	<b>41.5</b>
-100	14.0	-55	5.5	-10	3.0	35	14.5	80	29.0	125	40.0
-95	11.5	-50	5.5	-5	2.5	40	15.0	85	30.5		
<b>-90 (E)</b>	<b>10.5</b>	<b>-45 (SE)</b>	<b>2.5</b>	<b>0 (S)</b>	<b>1.5</b>	<b>45 (SW)</b>	<b>17.0</b>	<b>90 (W)</b>	<b>33.0</b>		
-85	9.5	-40	3.0	5	6.5	50	25.5	95	39.5		

Notes: Example of the potential system shading and expected anual energy generation



# Solas Energy, Inc. Solar Site Analysis Report

Image File: "SP1 SE.JPG"

Layout Point: 1

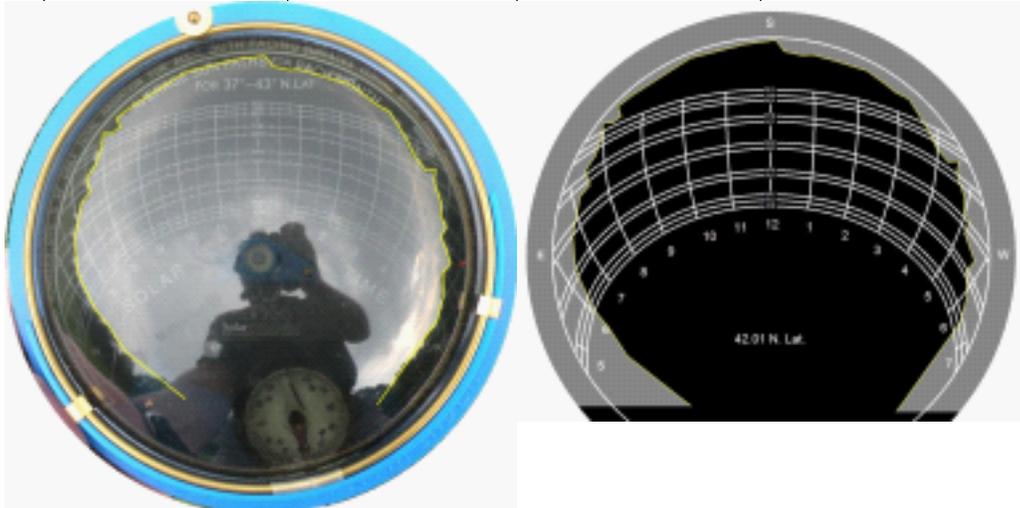
## Solar Obstruction Data

Month	Unshaded % of Ideal Site Azimuth=180 Tilt=42.01	Actual Shaded Solar Radiation Azimuth=180.0 Tilt=35.0 KWhr/m^2	Actual Shaded AC Energy (KWH) Azimuth=180.0 Tilt=35.00	Actual Unshaded AC Energy (KWH) Azimuth=180.0 Tilt=35.00	Ideal Unshaded AC Energy (KWH) Azimuth=180.0 Tilt=35.00	PVWatts Unshaded % Actual Site Azimuth=180.0 Tilt=35.00
January	96.21 %	2.95	5,932.66	6,060.00	6,060.00	96.38 %
February	97.12 %	3.59	6,285.30	6,440.00	6,440.00	96.87 %
March	98.89 %	3.74	6,865.70	6,869.00	6,869.00	98.82 %
April	98.82 %	5.21	9,087.45	9,145.00	9,145.00	98.89 %
May	98.41 %	4.37	7,710.09	7,743.00	7,743.00	98.41 %
June	98.53 %	5.62	9,206.27	9,241.00	9,241.00	98.48 %
July	98.73 %	6.09	10,192.15	10,226.00	10,226.00	98.70 %
August	98.43 %	5.41	9,160.50	9,189.00	9,189.00	98.59 %
September	97.91 %	3.08	5,112.38	5,129.00	5,129.00	97.70 %
October	96.61 %	3.18	5,562.87	5,739.00	5,739.00	96.21 %
November	97.40 %	3.03	5,414.67	5,526.00	5,526.00	97.21 %
December	98.08 %	2.91	5,564.95	5,648.00	5,648.00	97.82 %
<b>Totals</b>	<b>97.93%</b>	<b>49.19</b>	<b>86,094.98</b>	<b>86,955.00</b>	<b>86,955.00</b>	<b>97.84 %</b>
	<b>Unweighted</b>	<b>Effect: 98.00%</b>				<b>Unweighted</b>
	<b>Yearly Avg</b>	<b>Sun Hrs: 4.10</b>				<b>Yearly Avg</b>

## Azimuth/Altitude Data

Azimuth / Altitude (degrees) where North = 180 degrees

-125	21.0	-80	9.5	-35	4.0	10	7.0	55	9.5	100	9.5
<b>-120 (ENE)</b>	<b>21.0</b>	-75	9.5	<b>-30 (SSE)</b>	<b>4.0</b>	15	6.5	<b>60 (WSW)</b>	<b>9.0</b>	105	9.0
-115	20.0	-70	10.5	-25	3.0	20	6.0	65	6.0	110	9.0
-110	18.0	-65	7.0	-20	3.0	25	5.5	70	8.0	115	11.0
-105	16.0	<b>-60 (ESE)</b>	<b>7.5</b>	-15	3.5	<b>30 (SSW)</b>	<b>5.5</b>	75	9.0	<b>120 (WNW)</b>	<b>12.0</b>
-100	14.0	-55	5.5	-10	3.0	35	6.0	80	8.5	125	12.5
-95	11.5	-50	5.5	-5	2.5	40	5.0	85	10.5		
<b>-90 (E)</b>	<b>10.5</b>	<b>-45 (SE)</b>	<b>2.5</b>	<b>0 (S)</b>	<b>1.5</b>	<b>45 (SW)</b>	<b>6.0</b>	<b>90 (W)</b>	<b>8.0</b>		
-85	9.5	-40	3.0	5	6.5	50	8.0	95	11.0		





# Solas Energy, Inc. Solar Site Analysis Report

Image File: "SP2 SW.JPG"

Layout Point: 2

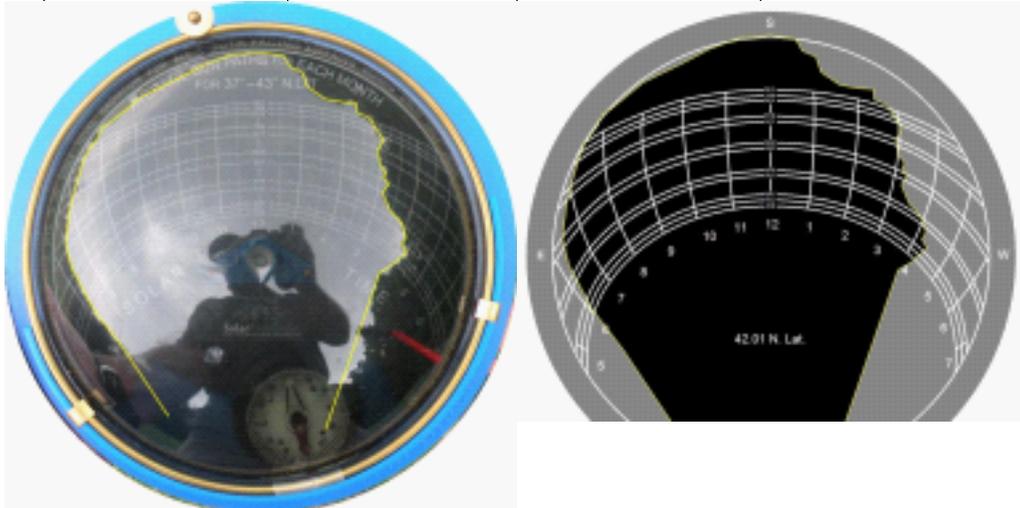
## Solar Obstruction Data

Month	Unshaded % of Ideal Site Azimuth=180 Tilt=42.01	Actual Shaded Solar Radiation Azimuth=180.0 Tilt=35.0 KWhr/m^2	Actual Shaded AC Energy (KWH) Azimuth=180.0 Tilt=35.00	Actual Unshaded AC Energy (KWH) Azimuth=180.0 Tilt=35.00	Ideal Unshaded AC Energy (KWH) Azimuth=180.0 Tilt=35.00	PVWatts Unshaded % Actual Site Azimuth=180.0 Tilt=35.00
January	88.65 %	2.73	5,467.90	6,060.00	6,060.00	89.22 %
February	86.01 %	3.19	5,579.86	6,440.00	6,440.00	85.98 %
March	89.26 %	3.39	6,263.02	6,869.00	6,869.00	89.64 %
April	92.81 %	4.93	8,703.19	9,145.00	9,145.00	93.63 %
May	92.99 %	4.16	7,465.44	7,743.00	7,743.00	93.63 %
June	91.89 %	5.28	8,753.44	9,241.00	9,241.00	92.53 %
July	92.88 %	5.75	9,711.39	10,226.00	10,226.00	93.27 %
August	92.44 %	5.11	8,756.30	9,189.00	9,189.00	93.17 %
September	88.89 %	2.82	4,733.46	5,129.00	5,129.00	89.47 %
October	90.59 %	3.03	5,346.00	5,739.00	5,739.00	91.41 %
November	93.01 %	2.93	5,214.18	5,526.00	5,526.00	93.76 %
December	91.85 %	2.75	5,243.98	5,648.00	5,648.00	92.43 %
<b>Totals</b>	<b>90.94%</b>	<b>46.07</b>	<b>81,238.15</b>	<b>86,955.00</b>	<b>86,955.00</b>	<b>91.51 %</b>
	<b>Unweighted</b>	<b>Effect: 91.78%</b>				<b>Unweighted</b>
	<b>Yearly Avg</b>	<b>Sun Hrs: 3.84</b>				<b>Yearly Avg</b>

## Azimuth/Altitude Data

Azimuth / Altitude (degrees) where North = 180 degrees

-125	21.0	-80	4.5	-35	2.0	10	6.0	55	26.5	100	41.5
<b>-120 (ENE)</b>	<b>20.5</b>	-75	3.5	<b>-30 (SSE)</b>	<b>3.0</b>	15	13.0	<b>60 (WSW)</b>	<b>29.5</b>	105	42.0
-115	19.5	-70	3.0	-25	3.0	20	16.0	65	32.5	110	42.0
-110	17.0	-65	2.0	-20	2.5	25	15.5	70	32.5	115	42.0
-105	15.0	<b>-60 (ESE)</b>	<b>0.5</b>	-15	1.0	<b>30 (SSW)</b>	<b>12.0</b>	75	29.5	<b>120 (WNW)</b>	<b>41.5</b>
-100	12.5	-55	1.0	-10	0.0	35	14.5	80	29.0	125	40.0
-95	9.5	-50	0.0	-5	0.0	40	15.0	85	30.5		
<b>-90 (E)</b>	<b>6.5</b>	<b>-45 (SE)</b>	<b>1.0</b>	<b>0 (S)</b>	<b>0.0</b>	<b>45 (SW)</b>	<b>17.0</b>	<b>90 (W)</b>	<b>33.0</b>		
-85	4.5	-40	1.5	5	0.0	50	25.5	95	39.5		





ENGINEER'S STAMP:

PROJECT INFO:

TOWN OF MILAN  
TOWN HALL  
20 WILCOX CIRCLE  
MILAN, NY  
12571

ISSUED:

1. 05.13.2015 PLOT PLAN
- 2.
- 3.

MANAGEMENT:

PROJECT NUMBER:

DRAWING BY: **J.DOHERTY**

CHK BY:

DRAWING TITLE:

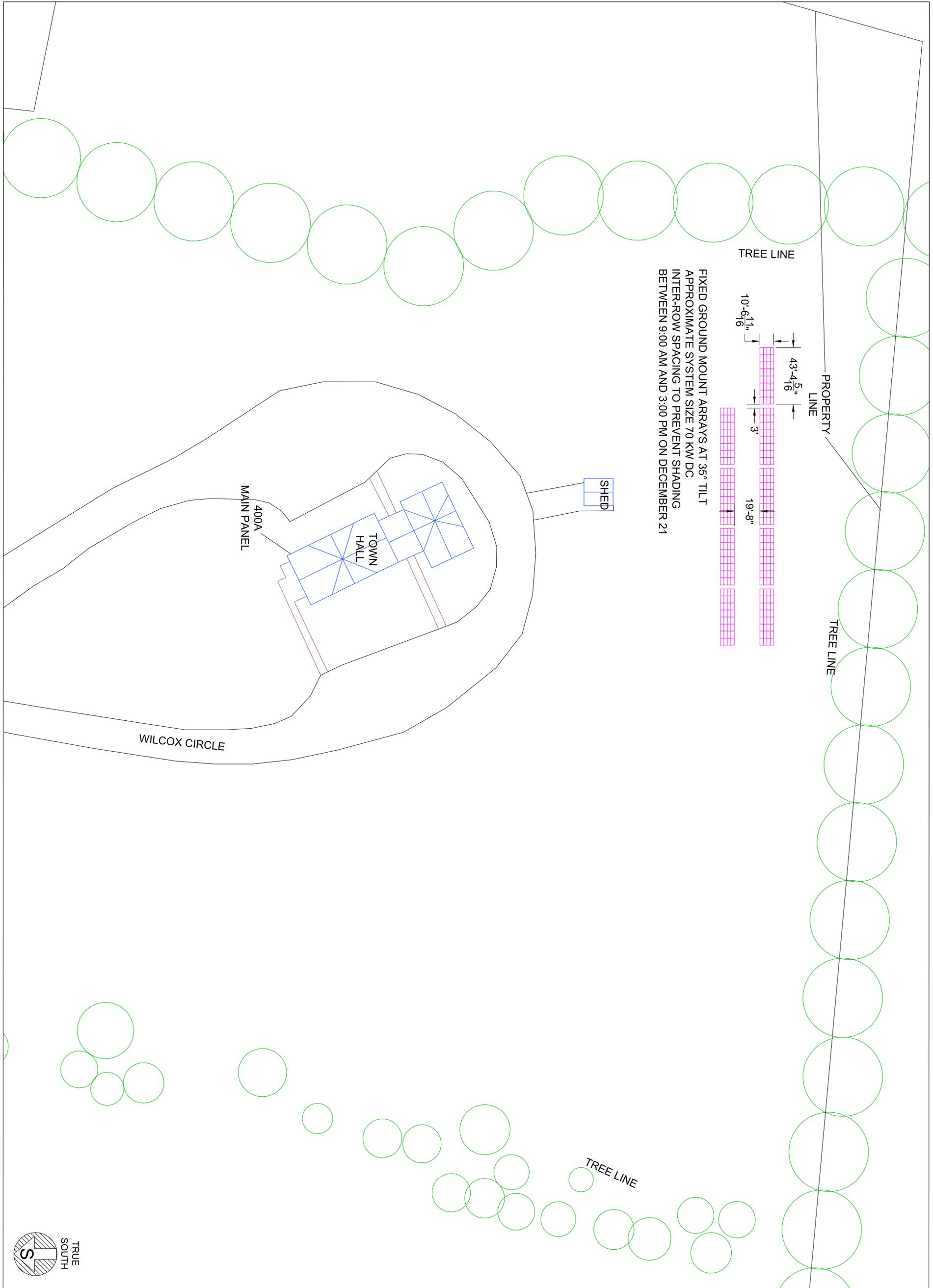
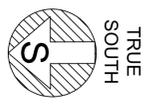
79.38 KW SOLAR PV SYSTEM

SITE MAP

Scale 1/32" = 1'-0"

DRAWING NUMBER:

SITE



**ATTACHMENT 2: Jurisdiction Energy Use**

Attached you will find four (4) recent utility bills and four (4) annual usage summaries that correspond with provided bills.

**Message Center**

Did You Know ? This winter's severe cold caused customers to use more energy for their heating systems. Higher demand for energy & increased usage will result in higher gas & electric bills. Call us at 1-800-527-2714 to enroll in monthly billing or for payment assistance.

Central Hudson Gas & Electric Corporation certifies that this bill in the amount of \$654.17 is true and correct, that the items, services and disbursements charged were rendered to or for the municipality on the date stated, that no taxes are included for which you are exempt and that no part has been paid or satisfied. Federal ID #14-0555980.

Certified by: Director, Customer Accounting

*Lisa A. Cerone*



2345

**Electric Meter # 23737567 RATE E200 GENERAL SERVICE**

Electric Service Charges 3420 kWh at a cost of \$654.17

Average Daily Cost for Electric \$23.3632

**Amount of Electricity Used**

		kWh	KW
Apr 07, 2015	Present Reading (act.)	580046	2175.28
Mar 10, 2015	Previous Reading (act.)	576626	2164.30
	<b>Electricity Used</b>	<b>3420</b>	<b>11.0</b>

**Cost for Electricity Used (for 1.0 months)**

**ENERGY DELIVERY CHARGES:**

Basic Service Charge	1.0 Mos @	84.00	84.00
Delivery Svc Chg	3420 kWh @	0.00540	18.47
MFC Admin Chg	3420 kWh @	0.00012	0.41
Transition Adj	3420 kWh @	0.00007	0.24
SBC/RPS Chgs	3420 kWh @	0.00850	29.07
Misc. Charges	3420 kWh @	-0.00812	-27.77
NYS Assessment	3420 kWh @	0.00156	5.34
RDM Chg	3420 kWh @	0.00386	13.20

**Demand Delivery Charges:**

Delivery Svc Chg	11.0 KW @	8.100 X 1.0	89.10
------------------	-----------	-------------	-------

**Total Delivery Chrgs 212.06**

**ENERGY SUPPLY CHARGES:**

**(You may choose another supplier for this part of your service)**

MFC Supply Chg	3420 kWh @	0.00029	0.99
Market Price	3420 kWh @	0.13181	450.79
Market Price Adj	3420 kWh @	-0.00306	-10.47

**Total Supply Chrgs 441.31**

NYS & Local Taxes and Surcharges 0.80

**TOTAL ELECTRICITY COST \$654.17**

For this billing period, the average cost of energy we purchased for you was \$0.12904 per kWh (excluding taxes). You can use this number to compare our price to other suppliers' prices.

People. Power. Possibilities.

**Central Hudson**

A FORTIS COMPANY

284 SOUTH AVENUE  
POUGHKEEPSIE NY 12601-4839

www.CentralHudson.com

**Questions About Your Bill?** See the reverse side for explanations. For further help call a Customer Service Representative at 845-452-2700 or 1-800-527-2714. Our phone lines are busiest Monday and Tuesday mornings. We can better respond to your call if you avoid these times.

**Your Bill Summary At A Glance**

Previous Billed Amount		\$551.87
Payments Since Last Bill	- THANK YOU!	\$-551.87
Current Electric Charges		\$157.90
Billing Adjustments		\$-43.25
<b>Total Amount Due Now</b>		<b>\$114.65</b>
Current Billing Period	Mar 10, 2015 - Apr 07, 2015	
Late Charges Added After	May 05, 2015	
Next Scheduled Reading Date	May 08, 2015	
	<b>This Year</b>	<b>Last Year</b>
Heating Degree Days	750	766

Account Number: 5675-3145-00-4

Service For: TOWN OF MILAN  
TOWN GARAGE  
SOUTH RD  
RED HOOK NY  
12571-1206



2345

**Payments and Adjustments**

PAYMENT RECEIVED BY US MAIL	MAR 30	\$-551.87
GENERATION CREDIT FOR 292 KWH	APR 9	\$-43.25

**What's New...**

HEAP ASSISTANCE IS AVAILABLE FOR ELIGIBLE HOUSEHOLDS TO HELP PAY HEATING BILLS. INFORMATION CAN BE FOUND ON-LINE AT MYBENEFITS.NY.GOV OR AT WWW.CENTRALHUDSON.COM. APPLY FOR A GRANT AT YOUR LOCAL DEPARTMENT OF SOCIAL SERVICES OR OFFICE FOR THE AGING FOR SENIOR HOUSEHOLDS.

**NET-METERED ACCOUNT STATUS**

CURRENT GENERATION 292 KWH, REMAINING BALANCE 0 KWH

**Message Center**

Did You Know ? This winter's severe cold caused customers to use more energy for their heating systems. Higher demand for energy & increased usage will result in higher gas & electric bills. Call us at 1-800-527-2714 to enroll in monthly billing or for payment assistance.

Central Hudson Gas & Electric Corporation certifies that this bill in the amount of \$157.90 is true and correct, that the items, services and disbursements charged were rendered to or for the municipality on the date stated, that no taxes are included for which you are exempt and that no part has been paid or satisfied. Federal ID #14-0555980.

Certified by: Director, Customer Accounting

*Lisa A. Cerone*



2345

**Electric Meter # 36396902 RATE E200 GENERAL SERVICE**

Electric Service Charges 0 kWh at a cost of \$157.90

Average Daily Cost for Electric \$5.6393

**Amount of Electricity Used**

		kWh	KW
Apr 07, 2015	Present Reading (act.)	6104	60.47
Mar 10, 2015	Previous Reading (act.)	6104	51.41
	<b>Electricity Used</b>	<b>0</b>	<b>9.1</b>

**Cost for Electricity Used (for 1.0 months)**

**ENERGY DELIVERY CHARGES:**

Basic Service Charge	1.0 Mos @	84.00	84.00
Demand Delivery Charges:			
Delivery Svc Chg	9.1 KW @ 8.100 X 1.0		73.71
NYS & Local Taxes and Surcharges			0.19
<b>TOTAL ELECTRICITY COST</b>			<b>\$157.90</b>

People. Power. Possibilities.

**Central Hudson**

A FORTIS COMPANY

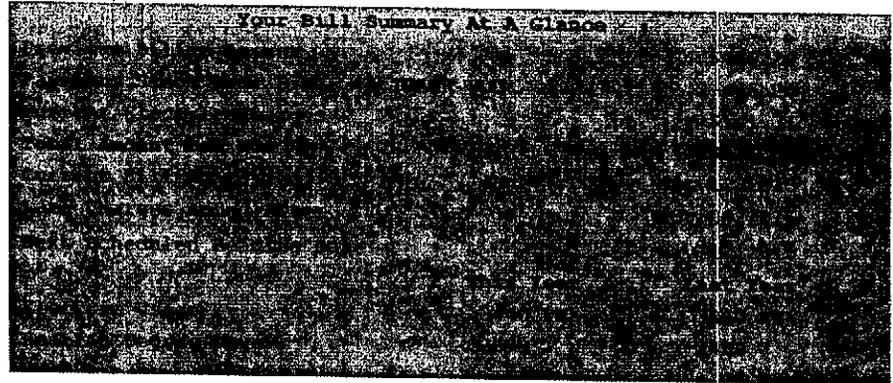
284 SOUTH AVENUE  
POUGHKEEPSIE NY 12601-4839

www.CentralHudson.com

5826-0910-02-9

Page 1 of 3

**Questions About Your Bill?** See the reverse side for explanations. For further help call a Customer Service Representative at 845-452-2700 or 1-800-527-2714. Our phone lines are busiest Monday and Tuesday mornings. We can better respond to your call if you avoid these times.



Account Number: 5826-0910-02-9

Service For: TOWN OF MILAN  
140 WOODY ROW RD  
RED HOOK NY  
12571-9802

**Payments and Adjustments**

PAYMENT RECEIVED BY US MAIL

JAN 26

\$-406.20

**What's New**

HEAP ASSISTANCE IS AVAILABLE FOR ELIGIBLE HOUSEHOLDS TO HELP PAY HEATING BILLS. INFORMATION CAN BE FOUND ON-LINE AT MYBENEFITS.NY.GOV OR AT WWW.CENTRALHUDSON.COM. APPLY FOR A GRANT AT YOUR LOCAL DEPARTMENT OF SOCIAL SERVICES OR OFFICE FOR THE AGING FOR SENIOR HOUSEHOLDS.

234

**Message Center**

Did You Know ? This winter's severe cold caused customers to use more energy for their heating systems. Higher demand for energy & increased usage will result in higher gas & electric bills. Call us at 1-800-527-2714 to enroll in monthly billing or for payment assistance.

Central Hudson Gas & Electric Corporation certifies that this bill in the amount of \$541.31 is true and correct, that the items, services and disbursements charged were rendered to or for the municipality on the date stated, that no taxes are included for which you are exempt and that no part has been paid or satisfied. Federal ID #14-0555980.

Certified by: Director, Customer Accounting

*Lisa A. Cerone*



234

**Electric Meter # 21260638 RATE E230 GENERAL SERVICE**

Electric Service Charges 3440 kWh at a cost of \$541.31

Average Daily Cost for Electric \$8.4580

**Amount of Electricity Used**

		kWh	KW
Mar 12, 2015	Present Reading (act.)	2824	2.85
Jan 07, 2015	Previous Reading (act.)	2738	2.76
	Multiplier	40.000	40.000
	<b>Electricity Used</b>	<b>3440</b>	<b>3.6</b>

**Cost for Electricity Used (for 2.2 months)**

**ENERGY DELIVERY CHARGES:**

Basic Service Charge	2.2 Mos @	35.00	77.00
Delivery Svc Chg	3440 kWh @	0.00588	20.23
MFC Admin Chg	3440 kWh @	0.00240	8.26
Transition Adj	3440 kWh @	0.00067	2.30
SBC/RPS Chgs	3440 kWh @	0.00850	29.24
Misc. Charges	3440 kWh @	-0.00657	-22.60
NYS Assessment	3440 kWh @	0.00156	5.37
RDM Chg	3440 kWh @	0.00198	6.81
<b>Total Delivery Chrgs</b>			<b>126.61</b>

**ENERGY SUPPLY CHARGES:**

(You may choose another supplier for this part of your service)

MFC Supply Chg	3440 kWh @	0.00337	11.59
Market Price	3440 kWh @	0.11641	400.45
Market Price Adj	3440 kWh @	0.00045	1.55

**Total Supply Chrgs 413.59**

NYS & Local Taxes and Surcharges 1.11

**TOTAL ELECTRICITY COST \$541.31**

For this billing period, the average cost of energy we purchased for you was \$0.12023 per kWh (excluding taxes). You can use this number to compare our price to other suppliers' prices.

People. Power. Possibilities.

**Central Hudson**

A FORTIS COMPANY

284 SOUTH AVENUE  
POUGHKEEPSIE NY 12601-4839

www.CentralHudson.com

TOWN OF MILAN  
20 WILCOX CIR  
MILAN NY 12571-4787

April 30, 2015

Account Number: 5411-1035-00-9

For Street Lighting Service rendered the GENERAL TWN CHARGE during the month of April 2015.

Size Lamps (Lumens)	Company Owned Fixtures		Monthly Charge	kWh
16000 Sodium Vapor	1	\$	13.82	54
27000 Sodium Vapor	1		16.75	95
Rental Poles (1)			4.65	
<b>Total</b>	<b>2</b>	<b>\$</b>	<b>35.22</b>	<b>149</b>

CA150430-745-00000022

Return this stub with your payment to Central Hudson

Billed Amount \$47.70

Late Payment Date 05/27/2015

\$ 47.<sup>70</sup>  
Amount Paid

000373 000000022

TOWN OF MILAN  
20 WILCOX CIR  
MILAN NY 12571-4787

Central Hudson Gas & Electric Corporation  
284 South Avenue  
Poughkeepsie NY 12601-4839

Check Below if New Address  
and/or email address

54111035009 1 7000004770 54111035009 8000004770

**GENERAL TWN CHARGE**  
 Page 2

April 30, 2015  
 Account Number: 5411-1035-00-9

Summary of Account

Monthly Charge		\$	35.22	
Energy Delivery Charges:				
Sys Benefits Chg	149 kWh @ 0.00850		1.27	
NYS Assessment	149 kWh @ 0.00432		0.64	
Purch. Power Adj	149 kWh @ 0.00001-			
Misc. Charges	149 kWh @ 0.00248-		0.37-	
Energy Supply Charges:				
Market Price	149 kWh @ 0.08302		12.37	
Market Price Adj	149 kWh @ 0.01002-		1.49-	
			-----	
Subtotal		\$	47.64	
NYS & Local Taxes and Surcharges			0.06	
Monthly Charge Including Revenue Tax		\$		47.70

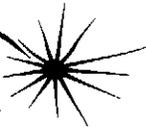


2

Central Hudson Gas & Electric Corporation certifies that this bill in the amount of \$ 47.70 is true and correct, that the items, services and disbursements charged were rendered to or for the municipality on the date stated, that no taxes are included for which you are exempt and that no part has been paid or satisfied.

*Lisa A. Corone*

Late Charges added after May 27, 2015



284 SOUTH AVENUE  
POUGHKEEPSIE NY 12601-4839

www.CentralHudson.com

**Questions About Your Bill?** See the reverse side for explanations. For further help call a Customer Service Representative at 845-452-2700 or 1-800-527-2714. Our phone lines are busiest Monday and Tuesday mornings. We can better respond to your call if you avoid these times.

**Your Bill Summary At A Glance**

Previous Billed Amount		\$70.80
Payments Since Last Bill	- THANK YOU!	\$-70.80
Current Electric Charges		\$70.14
<b>Total Amount Due Now</b>		<b>\$70.14</b>
Current Billing Period	Sep 30, 2014 - Dec 02, 2014	
Late Charges Added After	Jan 05, 2015	
Next Scheduled Reading Date	Feb 06, 2015	
	<b>This Year</b>	<b>Last Year</b>
Heating Degree Days	1092	1143

Account Number: 5874-0810-03-9 *04-7*

Service For: TOWN OF MILAN  
TOWN HALL  
30 MATECKI RD  
PAVILLION  
RED HOOK NY 12571-1206



235

**Payments and Adjustments**

PAYMENT RECEIVED BY US MAIL      OCT 27      \$-70.80

**What's New...**

HEAP ASSISTANCE IS AVAILABLE FOR ELIGIBLE HOUSEHOLDS TO HELP PAY HEATING BILLS. INFORMATION CAN BE FOUND ON-LINE AT MYBENEFITS.NY.GOV OR AT WWW.CENTRALHUDSON.COM. APPLY FOR A GRANT AT YOUR LOCAL DEPARTMENT OF SOCIAL SERVICES OR OFFICE FOR THE AGING FOR SENIOR HOUSEHOLDS.

*This acct. is seasonal so the acct. # changes every year.*



## Account Number: 5675-3320-00

### Electric Usage History

Including On/Off Peak Consumption and KW Demand, If Applicable

<b>County</b>	DUTCHESS					
<b>Municipality</b>	TOWN OF MILAN					
<b>Sales Tax Rate</b>	.00000					
<b>Meter Number</b>	23737567					
<b>Next Scheduled Meter Read Date</b>	6/9/2015					
<b>Bill Cycle</b>	05					
<b>Bill Frequency</b>	MONTHLY					
<b>Rate Code</b>	E205					
<b>Load Zone</b>	LOAD ZONE = G					
<b>2014/2015 ICAP Tag</b>	20.48					
<b>Load Profile / Usage Factor</b>	SD1 / 1.96859					
<b>Meter Read Date</b>	<b>Read Code</b>	<b>Number of Months</b>	<b>Total Usage - KWH</b>	<b>On Peak KWH</b>	<b>Off Peak KWH</b>	<b>Demand - KW</b>
5/8/2015	01	1.0	4139	N/A	N/A	16.90
4/7/2015	01	1.0	3420	N/A	N/A	11.00
3/10/2015	01	1.2	4798	N/A	N/A	12.20
2/5/2015	01	1.0	4746	N/A	N/A	12.20
1/6/2015	01	1.0	5740	N/A	N/A	14.70
12/2/2014	01	1.0	4265	N/A	N/A	12.30
11/5/2014	01	1.0	4366	N/A	N/A	18.50
10/7/2014	01	1.0	4444	N/A	N/A	17.30
9/8/2014	01	1.0	5663	N/A	N/A	22.80
8/6/2014	01	1.0	5309	N/A	N/A	17.40
7/9/2014	01	1.0	5388	N/A	N/A	18.00
6/9/2014	01	1.0	4809	N/A	N/A	22.30
<b>TOTAL</b>		<b>12.2</b>	<b>57087</b>	N/A	N/A	N/A

Actual Annual Usage:  
56,152 kWh

5/8/2014	01	1.0	3616	N/A	N/A	13.30
4/7/2014	01	1.0	3366	N/A	N/A	10.20
3/10/2014	01	1.0	3783	N/A	N/A	10.60
2/10/2014	01	1.0	4496	N/A	N/A	12.70
1/8/2014	01	1.2	5020	N/A	N/A	11.80
12/2/2013	01	1.0	3685	N/A	N/A	12.20
11/4/2013	01	1.0	4142	N/A	N/A	15.20
10/2/2013	01	1.0	3896	N/A	N/A	20.30
9/5/2013	01	1.0	5480	N/A	N/A	17.80
8/6/2013	01	1.0	7062	N/A	N/A	22.20
7/2/2013	01	1.0	5186	N/A	N/A	19.80
6/3/2013	01	1.0	4402	N/A	N/A	19.40
TOTAL		12.2	54134	N/A	N/A	N/A

**No Natural Gas Service At This Account**

[Request Another Account](#)

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Electric or Gas Retail Suppliers wishing additional information about Central Hudson's Retail Access Programs /> please contact us at 1-845-486-5857 or via e-mail [retailaccess@cenhud.com](mailto:retailaccess@cenhud.com)



## Account Number: 5675-3145-00

### Electric Usage History

Including On/Off Peak Consumption and KW Demand, If Applicable

<b>County</b>	DUTCHESS					
<b>Municipality</b>	TOWN OF MILAN					
<b>Sales Tax Rate</b>	.00000					
<b>Meter Number</b>	36396902					
<b>Next Scheduled Meter Read Date</b>	6/9/2015					
<b>Bill Cycle</b>	05					
<b>Bill Frequency</b>	MONTHLY					
<b>Rate Code</b>	E205					
<b>Load Zone</b>	LOAD ZONE = G					
<b>2014/2015 ICAP Tag</b>	6.44					
<b>Load Profile / Usage Factor</b>	SD1 / .26150					
<b>Meter Read Date</b>	<b>Read Code</b>	<b>Number of Months</b>	<b>Total Usage - KWH</b>	<b>On Peak KWH</b>	<b>Off Peak KWH</b>	<b>Demand - KW</b>
5/8/2015	17	.0	0	N/A	N/A	N/A
5/8/2015	01	1.0	0	N/A	N/A	8.70
4/7/2015	17	.0	0	N/A	N/A	N/A
4/7/2015	01	1.0	0	N/A	N/A	9.10
3/10/2015	01	1.2	2694	N/A	N/A	13.10
2/5/2015	01	1.0	1918	N/A	N/A	11.80
1/6/2015	01	1.0	1705	N/A	N/A	10.30
12/2/2014	01	1.0	552	N/A	N/A	7.90
11/5/2014	17	.0	0	N/A	N/A	N/A
11/5/2014	10	1.6	0	N/A	N/A	8.20
9/17/2014	00	.0	0	N/A	N/A	N/A
9/17/2014	17	.0	0	N/A	N/A	N/A
9/17/2014	00	.0	0	N/A	N/A	N/A

9/17/2014	17	.0	0	N/A	N/A	N/A
9/17/2014	10	.3	0	N/A	N/A	6.20
9/8/2014	17	.0	0	N/A	N/A	N/A
9/8/2014	01	2.0	0	N/A	N/A	7.00
7/9/2014	17	.0	0	N/A	N/A	N/A
7/9/2014	01	2.0	0	N/A	N/A	6.50
TOTAL		12.1	6869	N/A	N/A	N/A
5/8/2014	17	.0	0	N/A	N/A	N/A
5/8/2014	01	1.0	0	N/A	N/A	8.10
4/7/2014	17	.0	0	N/A	N/A	N/A
4/7/2014	01	1.0	0	N/A	N/A	8.50
3/10/2014	01	1.0	1888	N/A	N/A	11.30
TOTAL		3.0	1888	N/A	N/A	N/A

**No Natural Gas Service At This Account**

[Request Another Account](#)

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## Account Number: 5826-0910-02

### Electric Usage History

Including On/Off Peak Consumption and KW Demand, If Applicable

<b>County</b>		DUTCHESS					
<b>Municipality</b>		TOWN OF MILAN					
<b>Sales Tax Rate</b>		.00000					
<b>Meter Number</b>		21260638					
<b>Next Scheduled Meter Read Date</b>		7/13/2015					
<b>Bill Cycle</b>		07					
<b>Bill Frequency</b>		BIMONTHLY-ODD MONTHS					
<b>Rate Code</b>		E235					
<b>Load Zone</b>		LOAD ZONE = G					
<b>2014/2015 ICAP Tag</b>		3.58					
<b>Load Profile / Usage Factor</b>		ND3 / 1.36040					
Meter Read Date	Read Code	Number of Months	Total Usage - KWH	On Peak KWH	Off Peak KWH	Demand - KW	
5/12/2015	01	2.0	3160	N/A	N/A	N/A	
3/12/2015	01	2.2	3440	N/A	N/A	N/A	
1/7/2015	01	2.0	3400	N/A	N/A	N/A	
11/4/2014	01	2.0	3080	N/A	N/A	N/A	
9/5/2014	01	2.0	3000	N/A	N/A	N/A	
7/8/2014	01	2.0	3080	N/A	N/A	N/A	
<b>TOTAL</b>		<b>12.2</b>	<del>19160</del>	N/A	N/A	N/A	
5/9/2014	01	2.0	3040	N/A	N/A	N/A	
3/12/2014	01	2.0	3360	N/A	N/A	N/A	
1/9/2014	01	2.0	3400	N/A	N/A	N/A	
11/6/2013	01	2.0	2960	N/A	N/A	N/A	
9/10/2013	01	2.0	3120	N/A	N/A	N/A	

Actual Annual Usage:  
18,852 kWh

7/11/2013	01	2.0	3280	N/A	N/A	N/A
TOTAL		12.0	19160	N/A	N/A	N/A

**No Natural Gas Service At This Account**

[Request Another Account](#)

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People. Power. Possibilities.

**Central Hudson**

A FORTIS COMPANY

284 SOUTH AVENUE  
POUGHKEEPSIE NY 12601-4839

www.CentralHudson.com

TOWN OF MILAN  
20 WILCOX CIR  
MILAN NY 12571-4787

April 30, 2015  
Account Number: 5411-1035-00-9

For Street Lighting Service rendered the GENERAL TWN CHARGE during the month of April 2015.

Size Lamps (Lumens)	Company Owned Fixtures	Monthly Charge	kWh
16000 Sodium Vapor	1	\$ 13.82	54
27000 Sodium Vapor	1	16.75	95
Rental Poles (1)		4.65	
<b>Total</b>	<b>2</b>	<b>\$ 35.22</b>	<b>149</b>

CA150430-745-000000022

Return this stub with your payment to Central Hudson

Billed Amount \$47.70

Late Payment Date 05/27/2015

\$ 47.70  
Amount Paid

000373 000000022

TOWN OF MILAN  
20 WILCOX CIR  
MILAN NY 12571-4787



Central Hudson Gas & Electric Corporation  
284 South Avenue  
Poughkeepsie NY 12601-4839

Check Below if New Address and/or email address

54111035009 1 7000004770 54111035009 8000004770

**GENERAL TWN CHARGE**  
 Page 2

April 30, 2015  
 Account Number: 5411-1035-00-9

Summary of Account

Monthly Charge		\$	35.22	
Energy Delivery Charges:				
Sys Benefits Chg	149 kWh @ 0.00850		1.27	
NYS Assessment	149 kWh @ 0.00432		0.64	
Purch. Power Adj	149 kWh @ 0.00001-			
Misc. Charges	149 kWh @ 0.00248-		0.37-	
Energy Supply Charges:				
Market Price	149 kWh @ 0.08302		12.37	
Market Price Adj	149 kWh @ 0.01002-		1.49-	
			-----	
Subtotal		\$	47.64	
NYS & Local Taxes and Surcharges			0.06	
Monthly Charge Including Revenue Tax		\$		\$ 47.70



2

Central Hudson Gas & Electric Corporation certifies that this bill in the amount of \$ 47.70 is true and correct, that the items, services and disbursements charged were rendered to or for the municipality on the date stated, that no taxes are included for which you are exempt and that no part has been paid or satisfied.

*Lisa A. Cerone*

Late Charges added after May 27, 2015

**Multiply by 12 for full Year**  
**149 kWh x 12 = 1788 kWh**

**ATTACHEMENT 3: Bidder Information Form**

To:

The undersigned has read the Request for Proposal (RFP) and has carefully examined all specifications/ evaluation criteria therein.

The undersigned certifies that he/she has visited the site and there are no known obstacles to prevent the execution of an agreement with Town of Milan.

The undersigned acknowledges that Town of Milan may reject all proposals, or waive portions of the RFP for all proposals, if it deems it in the best interests of the public.

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

**Respondent Information**

Name of Respondent: \_\_\_\_\_

Address: \_\_\_\_\_

Name of Primary Contact: \_\_\_\_\_

Title of Primary Contact: \_\_\_\_\_

Primary Phone Number: \_\_\_\_\_

Primary Contact Fax Number: \_\_\_\_\_

Primary Email Address: \_\_\_\_\_

Signature: \_\_\_\_\_

(Include Transmittal Letter with this attachment)

**ATTACHMENT 4: 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 this certification, the word “person” shall mean any natural person, business, partnership, corporation, union, committee, club or other organization, entity, or group of individuals.

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Name of person signing proposal)

\_\_\_\_\_  
(Name of Business)

**ATTACHMENT 5: Pricing Proposal Template**

Solar Power Purchase Provisions

\*The three assumptions are based on the NY-Sun Initiative incentive blocks

Guaranteed Annual Electric Output	_____ kWh/year
Estimated Actual Annual Electric Output	_____ kWh/year
Annual System Degradation Factor	_____ % per year
Electricity Price (Assuming \$0.50/w NYSERDA incentive)	\$_____ per kWh during the first contract year
Electric Price Increase Factor (Assuming \$0.50/w NYSERDA incentive)	_____ % increase per year
Annual Lease Payment (Assuming \$0.50/w NYSERDA incentive)	\$_____ in the first year
Electricity Price (Assuming \$0.40/w NYSERDA incentive)	\$_____ per kWh during the first contract year
Electric Price Increase Factor (Assuming \$0.40/w NYSERDA incentive)	_____ % increase per year
Annual Lease Payment (Assuming \$0.40/w NYSERDA incentive)	\$_____ in the first year
Electricity Price (Assuming \$0.30/w NYSERDA incentive)	\$_____ per kWh during the first contract year
Electric Price Increase Factor (Assuming \$0.30/w NYSERDA incentive)	_____ % increase per year
Annual Lease Payment (Assuming \$0.30/w NYSERDA incentive)	\$_____ in the first year

Include a description of how the system production will be guaranteed.

## **ATTACHMENT 6: Model Power Purchase Agreement**

Attach a sample of a PPA given by the same PPA provider being offered in this proposal.

Please Highlight or include the following:

- Total Net Savings over 20 Years
- Provide projected utility costs per kWh used to determine savings  
Show in a spreadsheet data and graph format.
- If there is any down payment required by the PPA company, show payback period followed by savings. Depict data in spreadsheet and graphically. Clearly demonstrate how many years it will take for a net gain to be actualized.
- Buyout and Extension Options
- Describe routine O&M Practices.  
An annual report is expected indicating system generation
  - As compared with estimated energy assessment
  - Describe maintenance activity over the previous year
    - Explain any excessive downtime

**ATTACHMENT 7: Bid Bond Form**

**Bid Bond**

KNOW ALL MEN BY THESE PRESENTS: that

\* \_\_\_\_\_ as Principle; and

\*\* \_\_\_\_\_ as Surety

Are hereby held and firmly bound unto Town of Milan, in the amount of \$2000 for the payment whereof Principal and Surety bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Signed this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_

WHEREAS,

The condition of the above obligation is such that, whereas the Principal has submitted to Town of Milan, a certain bid, attached hereto and hereby made a part of hereof, to enter into a contract in writing for the Photovoltaic Array Design and Installation Project.

NOW THEREFORE,

- (a) If said Bid shall be rejected, or in the alternate
- (b) If said Bid shall be accepted and the Principle shall execute and deliver a contract in the Form of an Agreement attached hereto (properly completed in accordance with said Bid) and shall in all respects perform the agreement created by the acceptance of said Bid, then this obligation shall be void. Otherwise, the same shall remain in force and effect, it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall in no way be impaired or affected by any extension of the time within which the Principle may accept such bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are Corporations have caused their Corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

**ATTACHMENT 7: Continued**

\_\_\_\_\_  
(SEAL)

\_\_\_\_\_  
PRINCIPAL \*Insert Bidder's Name

By \_\_\_\_\_  
\*\*Insert Surety's Name

\_\_\_\_\_  
Signed, sealed and delivered in the presence of

\_\_\_\_\_  
Corporate Seal of Contractor of a Corporation

\_\_\_\_\_  
Contractor

By \_\_\_\_\_  
(Include Title of Officer)

\_\_\_\_\_  
Corporate Seal of Surety; Attest (Include Title of Officer)

**ATTACHMENT 8: Insurance Statement**

Responder agrees as follows:  
[please mark appropriate box(es)]

Insurance Certificate as requested is attached	_____
or	
I certify that I can supply insurance as specified if awarded the bid	_____
I certify that my company will deliver by common carrier	_____

FAILURE TO SUPPLY SPECIFIED INSURANCE UPON DEMAND WILL DISQUALIFY A BIDDER

\_\_\_\_\_  
Authorized Signature