MIDDLEBOROUGH
Gas and Electric Department

MGED Guide to Solar Generation & Net Metering

Understanding the process

to connect your solar array to

the Middleborough Gas & Electric Department

electrical distribution system

What You Need to Know

Included in this guide are the documents that will help you understand the process of interconnecting your system to ours for net metering:

- Steps to take to interconnect your solar array
- Checklist to follow when applying to interconnect & net meter
- Customer Questions and MGED Answers about Net Metering
- MGED Net Metering Rate Tariff
- Critical Forms for net metering your system
    - Interconnection Application/Agreement with Terms & Conditions
    - Certificate of Completion
- For Your Information
    - About Finding a Solar Contractor
    - Local installation contractor information (MGED & Regional)

Net Metering is a simple way to connect renewable energy systems (solar arrays) up to 10 Kilowatts in size to the electric grid to offset part or all of your electricity use and charges from MGED. With net metering, excess energy produced by your solar system and not immediately used by your home is sent back out to our electric lines to be used by others while you receive a credit to your account. A net metered solar installation allows you to take electricity from our distribution lines at night or any time when your solar system is not meeting your needs. When you use electricity supplied by MGED, your solar credit will be applied toward eligible energy charges.

The Net Metering rate tariff enclosed in this guide became effective May 1, 2015 (replacing policy #18) to include systems which are hosted; either owned or leased by the customer. ***Important: no customer can enter into a Purchase Power Agreement (PPA) with an agent or solar installer and purchase the power as it is produced.*** Customers may lease-to-own or purchase the system outright to be eligible for net metering.

Whether you are ready to begin or simply have specific questions about your system, contact our Electric Division at **508-947-3023** and ask to speak with the Engineer. Completed application and signed Agreement forms should be delivered to our Electric Division at 37 Wareham Street, Middleborough, MA 02346 addressed to the Electric Division Manager/Solar Installation.

Steps to connect a Solar Array for Net Metering

When you have found a solar contractor and decided on the system to be installed, take these steps to confirm that your system can be connected to the MGED distribution system. ***If your contractor installs your system before our approval of the application, you run the risk of needing costly changes before we can allow your solar array to operate while connected to our lines.***

1. Submit the following by mail to:
Electric Division Manager, Solar Installation
Middleborough Gas & Electric Department
37 Wareham St.
Middleborough, MA 02346

- Simplified Application/Interconnection Agreement for Net Metered Electrical Generation and filled-in Certificate of Completion form for later signatures
- A one-line drawing of your generation system (sample included) showing that it meets our system installation requirements
- Specifications showing the materials (panels & inverters) to be installed meeting all required codes as noted in the agreement

2. Approval confirmation – you will receive notice from MGED directly that your system has been approved for installation. You then share this notice with your contractor.

3. Electrical Permit - You (or your contractor/installer) must obtain an electrical permit from your town wiring inspector. Then installation can begin.

4. Electrical Inspection/town wiring inspector – After you complete the system installation, you should call the town wiring inspector for a final inspection. The inspector will visit our office and sign off on your Certificate of Completion here.

5. System Inspection/MGED Engineer - Call (508) 947-3023 to schedule our inspection prior to turn-on. Our Engineer will review the system and sign the Certificate of Completion.

6. Your copy of the Certificate of Completion & Solar Renewable Energy Credits (SRECs) - We will send you a copy for your records to be used obtaining solar renewable energy credits. Your contractor/installer or sales agent will likely act as your agent to register for the credits and payments if applicable. MGED does not retain the rights to SRECs nor act as an agent for customer registration of SRECs.

MGED Checklist: Interconnection & Net Metering of your Solar Array

First Apply:

❑ Prepare an Interconnection Application/Agreement for Net Metering to include:

- ✓System sizing and inverter specification information (spec sheets)
- ✓Contact information for the installing contractor
- ✓One-line electrical diagram of the installation as proposed (see sample provided with application)
- ✓Certificate of Completion pre-filled out in advance of inspection signatures

❑ Sign, date and mail the application, Certificate of Completion and information to:
Electric Division Manager/Solar Installation, Middleborough Gas & Electric Department, 37 Wareham Street, Middleborough, MA 02346

❑ Confirm receipt of your application by calling 508-947-3023, asking for the Electrical Engineer.

Then Wait For:

❑ Approval to proceed – a copy of your application/agreement will be returned with the approval signature and date noted. This approval is sent to you and NOT to the system provider or contractor/installer. It is your responsibility to confirm that the system as designed is approved for interconnection BEFORE you allow the installation to proceed.

❑ Local permits as required – your contractor/installer will likely apply for all required local permits including the wiring/electrical permit.

Install:

❑ Construction completed and system is ready for operation.

❑ Local inspections completed and passed including wiring/electrical inspection.

Activate:

❑ MGED has been called (508-947-3023) and the inspection scheduled.

❑ MGED has inspected the installation and installed a bidirectional meter (if not previously installed).

❑ MGED has signed the Certificate of Completion & returned a copy to you for your records. Again this will be sent to you and NOT to the system provider or agent.

❑ System activated and generating power.

Ongoing Responsibilities:

❑ Any planned changes to your system require that you notify MGED at least 30 days prior to the work being performed. This includes any increase in the power rating.

❑ A change in ownership requires that you notify MGED in advance and the new owner must sign an agreement for continuing operation of the system.

Important Points: Customer Questions About Net Metering…

- **What is Net Metering?**
  - For customers who generate their own electricity using small-scale energy systems, net metering measures both the electricity you buy from MGED and the electricity you produce using your own generating equipment.
  - The electric meter lets us track the "net" difference as you generate excess electricity and take electricity from the electric grid.

- **How exactly does net metering work?**
  - Basically, net metering is a special metering installation and billing arrangement between you and MGED.
  - Normally, your electric meter only measures the amount of electricity that MGED sends into your home or business. A net-metering arrangement means the meter can also measure the excess electricity your generating system produces that comes back into the MGED system.
  - If your generation system makes more electricity than you need at any given time, net metering allows this electricity to run "backward" through the metering installation and out into the MGED distribution system. We measure this and then credit you for the full value for the electricity you generate but don't use.
  - Net metering can usually be accomplished using a special bi-directional meter at your home or business.

- **How will I be billed?**
  - Just as we do now, we will continue to read your meter and you will receive electric bills on your normal billing schedule.
  - You will see the normal charges for any electricity you use supplied by MGED – for instance, at night when your solar array is not generating. You will also see a credit for any excess energy not used by your home but sent back through our meter.
  - If you use more energy than you generate in a given billing cycle, you would be a "net consumer," and the net amount due would appear as a charge on the current bill.

What MGED allows

Middleborough Gas and Electric Department offers net metering to customers who wish to generate their own electricity with solar powered electric systems of 10 kilowatt DC or less in generating capacity. Once MGED reviews and approves a customer-owned electric generation system, net metering allows a customer to be connected to the utility's distribution system. Any excess electricity generated by a customer can be credited to the customer's account at the same rate they are charged for electricity.

- If your system generated more than you used in a given billing cycle, you would be a "net generator" for that billing cycle, and the difference would appear as a negative charge on the current bill and as a credit on your next bill. This credit will most-likely be used up during months of less wind or sun.

- **What are the benefits of net metering?**
  - By generating your own electricity, you may reduce the amount you use from MGED and cut your electricity bills.
  - With a net metering arrangement, any excess electricity that you generate and do not use can be fed back to the utility, which will again reduce your electricity bill. Your excess electricity now offsets electricity you would otherwise have to buy at full retail prices, and this makes owning your own generating system more cost-effective.
  - Without net metering, one alternative would be to purchase batteries to store the excess power for later use. Having your own battery storage for electricity is currently very expensive, and would typically only benefit you during a period when the MGED's power is off for some reason. We suggest serious consideration be given to this cost/benefit issue before choosing to install a battery back-up system.
  - Net metering allows you to get credit for the energy you generate at the retail rate. It is also a requirement to be eligible for Solar Renewable Energy Credits (SRECs).

- **Am I eligible for net metering?**
  - In Middleborough or Lakeville, any MGED electricity customer in good standing who generates at least some of their electricity is potentially eligible for net metering.
  - *Solar energy* must power your generating system. Currently, other types of generating systems are not eligible for net metering.
  - The generating system has a capacity of not more than 10 kilowatts, DC (direct current).

- **What are the technical requirements?**
  - A net metering system used by a home owner or business must include, at the customer's own expense, all equipment necessary to meet applicable safety, power quality, and interconnection requirements established by the National Electrical Code (NEC), National Electrical Safety Code (NESC), the institute of Electrical and Electronics Engineers (IEEE), and the Underwriters Laboratories (UL), and any applicable state and local agencies.
  - These Interconnection Standards are listed after the Middleborough Gas & Electric Department's Net Metering Application in this guide.
  - *Middleborough Gas and Electric Department must test and approve your system before you connect to the electric grid.*

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
M.D.P.U. No. 178
NET METERING TARIFF

Applicability

The following tariff provisions shall be applicable to a Host Customer, as defined herein that requests net metering services from the Middleboro Gas and Electric Department (the "Department"). Service under this rate to any Host Customer is subject to the Department's printed requirements and the Department's Terms and Conditions – Distribution Service, each as in effect from time to time. Customers with Solar or Wind Net Metering facilities with a generating capacity greater than 10 kilowatts (direct current) but less than 100 kilowatts (direct current) will receive service under the Department's Renewable Distributed Generation Tariff, MDPU 177. Customers with Solar or Wind generating facilities with a generating capacity greater than 100 kilowatts (direct current) who meet the host load requirements of the Tariff Rate Schedule will receive service under the Department's Renewable Energy Buyback Rate, MDPU 160.

Section 1.01 Definitions

The terms set forth below shall be defined as follows, unless the context otherwise requires.

Billing Period means the period of time set forth in the Department's terms and conditions for which the Department bills a Customer for its electricity consumed or estimated to have been consumed.

Net Metering Facility means a plant or equipment that is used to produce, manufacture, or otherwise generate electricity and that is not a transmission facility and that has a design capacity of 10 kilowatts (direct current) or less.

Customer means any person, partnership, corporation, or any other entity, whether public or private, who obtains electric service at a customer delivery point and who is a customer of record of the Department for its own electricity consumption.

Host Customer means a Customer with a Solar or Wind Net Metering Facility that generates electricity on the Customer's side of the meter. The Host Customer must be eligible for service under the Department's Residential Electric Service tariff, MDPU 161 or Commercial and Industrial General Service tariff, MDPU 165.

ISO-NE means ISO New England Inc., the independent system operator for New England, or its successor, authorized by the Federal Energy Regulatory Commission to operate the New England bulk power system and administer New England's organized wholesale electricity market pursuant to the ISO-NE Tariff and operation agreements with transmission owners.

Net Metering means the process of measuring the difference between electricity delivered by the Department and electricity generated by a Net Metering Facility and fed back to the Department.

Net Metering Credit means the monetary value of the excess electricity generated by a net metering facility, calculated pursuant to Section 1.05, below.

Solar Net Metering Facility means a facility for the production of electrical energy that uses sunlight to generate electricity and is interconnected to the Department.

Wind Net Metering Facility means a facility for the production of electrical energy that uses wind to generate electricity and is interconnected to the Department.

Section 1.02 Interconnection

Interconnection of net metering facilities is governed by the terms of the Department's Interconnection Application and Service Agreement, which sets forth the following information for net metering services:

(a) Application procedures;
(b) Information necessary for requests;
(c) Metering and technical requirements; and
(d) Termination and suspension provisions.

The Customer shall indicate its request for net metering on its application pursuant to the Interconnection Application and Service Agreement.

Section 1.03 Metering and Reporting of Generation

1. Unless otherwise agreed in writing with the Department, a Host Customer with a Net Metering Facility, who does not have a generation information system ("GIS") account at ISO-NE, will provide, if available, the inverter's generation information to the Department twice per calendar year: on or before January 31 and on or before September 30.

2. Unless otherwise agreed in writing with the Department, a Host Customer with a Class I Net Metering Facility, who does not have a GIS account at ISO-NE and does not otherwise have generation information available, shall provide all necessary information to, and cooperate with, the Department to enable the Department to estimate the annual generation.

Section 1.04 Administration of Net Metering Credits

1. The Department shall calculate a Net Metering Credit as set forth in Section 1.05 below, and not bill a Host Customer for kWh usage, for any Billing Period in which the kWh generated by a Net Metering Facility exceed the kWh usage of the Host Customer, or for any hour in the Billing Period in which the kWh generated by a Net Metering

Facility exceeded the kWh usage of the Host Customer.

2. The Department shall bill a Host Customer for excess consumption for any Billing Period in which the kWh consumed by a Host Customer exceed the kWh generated by a Net Metering Facility.

Section 1.05 Calculation of Net Metering Credits

1. The Department shall calculate for each Billing Period a Net Metering Credit equal to the product of:

   (a) excess kWh generated; and

   (b) sum of the following Department charges applicable to the rate class under which the Host Customer takes service:

      (i) the Distribution Energy Charge net of Prompt Payment Discount, if applicable;
      (ii) the Purchased Power Charge;
      (iii) the New York Hydropower Authority Hydropower Credit if applicable; and
      (ii) the Purchased Power Adjustment.

2. For any Billing Period for which the Department calculates a Net Metering Credit for a Host Customer, the Department shall apply the Net Metering Credit to the Host Customer's account. The Department shall carry forward, from Billing Period to Billing Period, any remaining Net Metering Credit balance. At the Host Customer's option any cumulative Net Metering Credit may be refunded to the Host Customer at the end of a Calendar Quarter.

Section 1.06 Renewable Energy and Environmental Attributes

The provision of net metering services does not entitle the Department to ownership of, or title to, the renewable energy or environmental attributes, including renewable energy certificates, associated with any electricity produced by a net metering facility.

Rate Filed: April 23, 2015
Effective Date: May 1, 2015
Filed By: Jacqueline L. Crowley, General Manager

Middleborough Gas & Electric Department (MGED)
32 South Main Street
Middleborough, MA 02346
Tel: 508-947-1371
Fax: 508-946-3706
www.mged.com

Simplified Interconnection Application (SIA) and Service Agreement
For Facilities with Capacity of 10kW-DC and under

Contact Information
Legal Name and address of Interconnecting Customer applicant

MGED Customer (print): ____

Address of Interconnection Facility: ____

City:______________________ State______________ Zip Code: ____________

Telephone (Daytime): ______________ (Evening): ______________________

Facsimile Number: ________________ E-Mail Address: ____________________

Alternative Contact Information (e.g., **system installation contractor** or **coordinating company**)

Name**:** ____

Mailing Address**:**____

City:______________________ State: ______________ Zip Code: ____________

Telephone (Daytime): ______________________ (Evening): (same) ________________

Facsimile Number: __________________ E-Mail Address:______________________

Facility Information

Electric Service Company: **Middleborough Gas & Electric Department (MGED)**

Account Number (required – on bill) ____________ Meter Number (required – on bill) ______________

Inverter Manufacturer: ________________ Model Name & #: ______________ Quantity Used: ______

Nameplate Rating: _________(kW) _________ (kVA) __________(DC Volts) Single _______ or Three_______ Phase

System Design Capacity: ___________ (kW) __________ (kVA)

Electrical Contractor: Name, address, phone # and contact name

____

____

UL1741 Listed? Yes ______ No _______

Estimated Installation Date: ____________________ Estimated In-Service Date: ________________

Customer Signature

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the **MGED Terms and Conditions for Simplified Process Interconnections** on the following page:

Interconnecting Customer Signature ______________________________ Date____________________

- -

Approval to Install Facility (For MGED use only)

Installation of the Facility is approved contingent upon the terms and conditions of this Agreement, and agreement to any system modifications, if required (Are system modifications required? Yes____ No____ To be Determined ____).

MGED Signature: ______________________ Title: ________________ Date: ______________

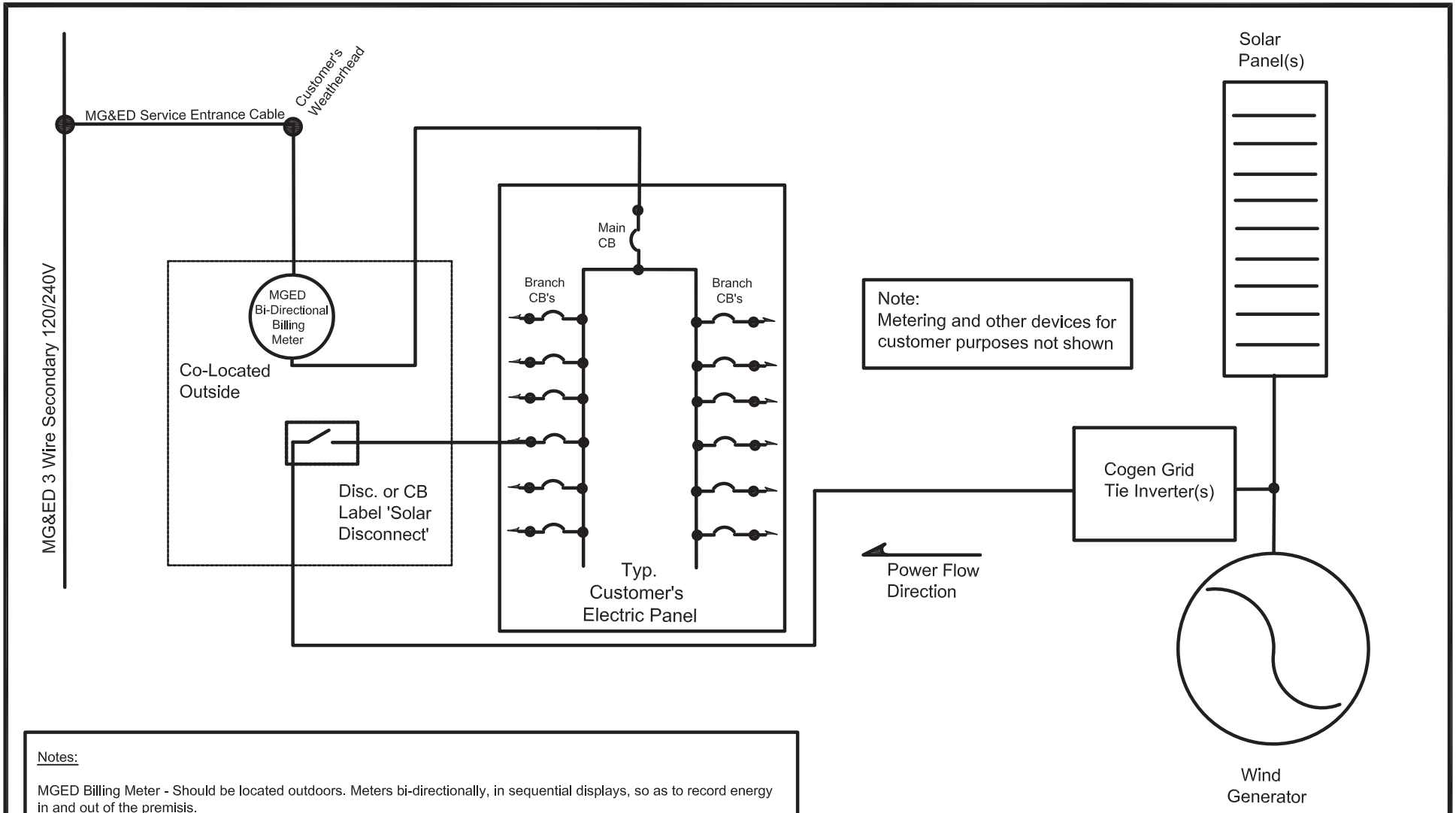
MGED UA Number: ____________________ MGED waives inspection/witness test? Yes_____ No_____

Middleborough Gas & Electric Department (MGED)
32 South Main Street
Middleborough, MA 02346

Tel: 508-947-1371
Fax: 508-946-3706
www.mged.com

MGED Terms and Conditions for Simplified Process Interconnections

1. **Construction of the Facility**. The interconnecting Customer may proceed to construct the Facility once the approval to install the Facility has been signed by the MGED.
2. **Interconnection and Operation**. The interconnecting Customer may operate Facility and interconnect with the MGED's system once the following has occurred:
    - 2.1. **Municipal Inspection**. Upon completing construction, the Interconnecting Customer will cause the Facility to be inspected or otherwise certified by the local electrical wiring inspector with jurisdiction.
    - 2.2. **Certificate of Completion**. The Interconnecting Customer or MGED inspector returns the Certificate of Completion to the MGED, 32 South Main Street, Middleborough, MA 02346.
    - 2.3. **The Department has completed or waived the right to inspection**.
3. **MGED Right to Inspection**. Within ten (10) business days after receipt of the Certificate of Completion, the MGED may, upon reasonable notice, and at a mutually convenient time, conduct an inspection of the Facility to ensure that all equipment has been appropriately installed, and that all electric connections have been made in accordance with the MGED. The MGED has the right to disconnect the Facility in the event or improper installation or failure to return Certificate of Completion.
4. **Safe Operations and Maintenance**. The interconnecting Customer shall be fully responsible to operate, maintain, and repair the Facility.
5. **Access**. The MGED shall have access to the disconnect switch (if required) of the Facility at all times.
6. **Disconnection**. MGED may temporarily disconnect the Facility to facilitate planned or emergency MGED work.
7. **Metering and Billing**. All Facilities approved under this Agreement qualify for net metering, as approved by the MGED from time to time, and the following is necessary to implement the net metering provisions.
    - 7.1. **Interconnecting Customer Provides Meter Sockets**. The Interconnecting Customer shall furnish and have installed, if not already in place, the necessary meter socket and wiring in accordance with accepted electrical standards
    - 7.2. **MGED Installs Net Meter**. MGED shall furnish and install a meter capable of net metering within ten (10) business days after receipt of the Certificate of Completion, or within 10 business days after the inspection if completed, if such meter is not already in place.
8. **Indemnification**. The Town of Middleborough, MGED, and all of their respective agents and employees shall be afforded the maximum exemption of limitations of liability available under applicable laws and regulations arising on account of their actions or omissions relating directly or indirectly any provision of electrical service. Without limiting the generality of the foregoing, and except to the extent otherwise expressly provided in M.G.L. Chapter 258:
   Neither the Town of Middleborough, nor the MGED, nor any of their respective agents or employees shall be liable to any person or agent: all liabilities, damages, losses, penalties, claims, demands, suits and proceedings of any nature whatsoever for personal injury (including death) or property damages to unaffiliated third parties that arise out of, or are in any manner connected with, the performance of this Agreement by that party, except to the extent that such injury or damages to unaffiliated third parties may be attributable to the negligence of willful misconduct of the party seeking indemnification.
9. **Limitation of Liability**. Each party's liability to the other party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omissions in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either party be liable to the other party for any indirect, incidental, special, consequential, or punitive damages of any kind whatsoever.
10. **Termination**. This Agreement may be terminated under the following conditions.
    - 10.1. **By Interconnecting Customer**. The Interconnecting Customer may terminate this Agreement by providing written notice to MGED.
    - 10.2. **By MGED**. The MGED may terminate this Agreement (1) if the Facility fails to operate for any consecutive 12-month period, or (2) in the event that the Facility impairs the operation of the electric distribution system or service to other customers or material impairs the local circuit and the Interconnecting Customer does not cure the impairment.
11. **Assignment/Transfer of Ownership of the Facility**. This Agreement shall survive the transfer of ownership of the Facility to a new owner when the new owner agrees in writing to comply with the terms of this Agreement and so notifies the MGED.



Notes:

MGED Billing Meter - Should be located outdoors. Meters bi-directionally, in sequential displays, so as to record energy in and out of the premisis.

Cogen Disconnect Switch - To be located outdoors next to Billing Meter.

Cogen Inverter - Owned/operated/maintained by customer. Matches cogen system output to MGED service voltage.

Important!! Cogen system must detect and shut down upon loss of power from MG&ED to prevent backfeed to MGED grid per latest UL 1741. System cannot run isolated from MG&ED system without a mechanically interlocked disconnection device per NEC Standards.

Solar installations not to be placed in service prior to final test and inspection and approval by MGED.

Middleborough Gas and Electric Department
Typical Cogen Metering Installation
One Line Diagram
June 09, 2014

Middleborough Gas & Electric Department (MGED)
32 South Main Street
Middleborough, MA 02346

Tel: 508-947-1371
Fax: 508-946-3706
www.mged.com

CERTIFICATE OF COMPLETION

Installation Information

Interconnecting Customer (Print): _____

Mailing Address: _____

Location of Facility (if different from above): _____

City: _____ State: _____ Zip Code:_____

Telephone (Daytime): _____ (Evening): _____

Facsimile Number: _____ E-Mail Address:_____

Account # (required – on bill) _____ Meter # (required – on bill) _____

Electrician or Electrical Installation Contractor:

Business Name: _____ Contact Name (Print) _____

Mailing Address: _____

City: _____ State: _____ Zip Code:_____

Telephone (Daytime): _____ (Evening): _____

Facsimile Number: _____ E-Mail Address: _____

License number: _____

MGED Date of Installation Approval: _____ Signature_____

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of

_____
(City/County)

Signed (Local Electrical Wiring Inspector), _____

Name (printed): _____

Date: _____

As a condition of interconnection, MGED will retain this form on file and return a copy to you for your use. If needed in the future, you may obtain copies of this form which will be located at:

MGED
32 South Main Street
Middleborough, MA 02346

Final MGED inspection must be scheduled after the local wiring inspection and BEFORE system is turned on. Call (508) 947-3023 from 7:30AM until 3PM, Monday through Friday.

Date of Final MGED Inspection:_____ Confirmed for turn-on by:_____

What we can do

Middleborough Gas & Electric Department does not recommend installers, nor is there an "approved" list of solar installers in Massachusetts. Instead we can share a listing of solar installation contractors that we have worked with on the next page. We can also provide a listing of contractors who have worked in surrounding towns, produced by the Massachusetts Clean Energy Center following our own list. We recommend that as a consumer you do your due diligence to screen potential installer/integrator companies to find a suitably experienced contractor.

For Your Information: Solar Installation Contractors

To help you select the right contractor, consider asking them the following questions:

1. Can you provide references from previous customers with similar systems?
2. How many similar systems have you installed?
3. Have you worked with a municipal electric utility before?
4. When would you be able to perform the work?
5. How long will the project take?
6. Please describe the warranty that you provide on the system.
7. Have you worked with local building officials and utility representatives when installing similar systems in the past? Are there any unresolved issues with these representatives?
8. Do you have a MA licensed electrician as part of the project team?
9. Will you hire subcontractors to complete portions of the project? What firms will you hire and what will they do?
10. What kind of training will you provide me with so that I can better operate and maintain my system?
11. Do you offer solar leasing or a third-party ownership option?
12. Will you or a partner company be able to assist me in selling the SRECs generated by my system?

Installers and vendors can help you with a more detailed site and financial assessment. In addition, they will be responsible for providing you with a turnkey service and installation. You are responsible for performing your own due diligence with regard to the experience and qualifications of a potential contractor and for making sure that they meet Middleborough Gas & Electric Department requirements.

Middleborough Gas & Electric Dept. Listing of solar installers working in the area (updated 2/6/16)					
Date of Installation	**Building Type**	**Town**	**Primary Installer**	**Secondary Installer**	**System Size (kW)**
7-Jun-11	Commercial	Lakeville	Beaumont Solar (New Bedford)		41.4
21-Jun-11	Residential	Lakeville	Peter O'Reilly (electrician)		5
20-Sep-11	Residential	Lakeville	INO Electrical Services (Assonet)		9.1
2-Dec-11	Residential	Lakeville	INO Electrical Services (Assonet)		9.1
19-Dec-11	Residential	Lakeville			8.1
6-Feb-12	Residential	Lakeville			10
11-Jun-12	Residential	Middleboro	Astrum Solar (Hopkinton)	S&T Electric (Tyngsboro)	8.815
10-Oct-12	Residential	Middleboro	Astrum Solar (Hopkinton)		5.16
26-Feb-13	Residential	Lakeville	Peter O'Reilly (electrician)		4.9
1-May-13	Residential	Middleboro	Devlin Electrical Services (Norwell)		3.45
26-Jun-13	Residential	Lakeville	INO Electrical Services (Assonet)		8.6
9-Jul-13	Commercial	Middleboro	SunPower (Richmond, CA)		750
19-Nov-13	Residential	Lakeville	Alternate Energy (Plymouth)		6.1
31-Dec-13	Commercial	Lakeville	Bay State Solar (Lakeville)		151
21-Jan-14	Residential	Middleboro	Endless Mountain Solar (Westboro)	Douglas White Elec(E.LongM)	5.8
6-Feb-14	Residential	Middleboro	Next Step Living (Boston)	Boston Solar Co. (Lynn)	4
6-Feb-14	Residential	Middleboro	Next Step Living (Boston)	Boston Solar Co. (Lynn)	6
11-Jun-14	Residential	Lakeville	Anderson Electric (Middleborough)		4.9
4-Dec-14	Residential	Middleboro	INO Electrical Services (Assonet)		3
19-Dec-14	Residential	Middleboro	Next Step Living (Boston)	Phillip McCarron	3
11-Mar-15	Residential	Middleboro	Next Step Living (Boston)	RCS (New Bedford)	5.2
3-Mar-15	Residential	Middleboro	Next Step Living (Boston)	Skyline Solar (W. Bridgewater)	8.9
13-Mar-15	Residential	Lakeville	Corbin Solar Solutions (NJ)		8
13-Mar-15	Residential	Lakeville	Astrum Solar (Hopkinton)		4.5
13-May-15	Residential	Lakeville	INO Electrical Services (Assonet)		9
17-Aug-15	Residential	Lakeville	Next Step Living (Boston)	Skyline Solar (W. Bridgewater)	7.4
29-Oct-15	Commercial	Lakeville	First Mark Advantage (NH)		10.8
10-Dec-15	Residential	Middleboro	Direct Energy Solar (Taunton, MA)		9.8
15-Dec-15	Residential	Lakeville	RGS Energy (CT)		9.9
12-Jan-16	Residential	Lakeville	Direct Energy Solar (Taunton, MA)		9
13-Jan-16	Residential	Lakeville	Bright Planet Solar (Westborough)	John Carey (Grafton, MA)	10
19-Jan-16	Residential	Middleboro	Big Sky Renewable Energy (NH)	Hill Electric (NH)	8.4

Commonwealth Solar Programs - Information on Installers and Costs - Updated 10-8-15

type of equipment specified, and accessories or extra features such as a data acquisition system, tracking array, etc. Consumers are encouraged to do their own due diligence when making this major buying decision. All information presented is derived directly from received rebate

Date in Service (Available for Projects April 2010 and Later)	Electric Utility	Project Sector	Project Sub-Sector	City	Zip Code	Primary Installer (a.k.a Applicant in PowerClerk)	Secondary Installer	System Size (kW)	Total Installation Costs
5/26/2015	NSTAR	Residential	3 or fewer units	Plymouth	02360	New Day Energy		5.200	$23,500.00
6/25/2015	NSTAR	Residential	3 or fewer units	Westport	02790	Sunlight Solar Energy		4.140	$28,980.00
6/16/2015	GRID	Residential	3 or fewer units	Fall River	02720	Trinity Solar		4.845	$21,675.00
4/22/2015	GRID	Residential	3 or fewer units	Westport	02790	GotSun-GoSolar		7.700	$31,584.00
5/15/2015	NSTAR	Residential	3 or fewer units	Wareham	02571	Burke Electric		8.100	$36,765.00
6/9/2015	NSTAR	Residential	3 or fewer units	Carver	02330	Mass Renewables Inc.		8.160	$28,700.00
5/11/2015	GRID	Residential	3 or fewer units	Rehoboth	02769	SunBug		6.600	$26,400.00
6/25/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02747	Sunlight Solar Energy		6.600	$22,550.00
6/5/2015	NSTAR	Residential	3 or fewer units	Bourne	02532	Cotuit Solar		5.610	$23,568.00
3/31/2015	NSTAR	Residential	3 or fewer units	Plymouth	02360	Mass Renewables Inc.		6.720	$29,547.00
4/17/2015	NSTAR	Residential	3 or fewer units	Bourne	02532	Cotuit Solar		9.000	$40,625.00
5/13/2015	NSTAR	Residential	3 or fewer units	Plymouth	02360	New Day Energy		8.415	$38,775.10
4/29/2015	NSTAR	Residential	3 or fewer units	Bourne	02532	Clean Energy Design		6.720	$27,140.00
7/10/2015	GRID	Residential	3 or fewer units	Rehoboth	02769	Blue Selenium Solar		8.040	$49,800.00
5/5/2015	NSTAR	Residential	3 or fewer units	Plymouth	02360	Direct Energy Solar		7.830	$32,935.00
5/12/2015	GRID	Residential	3 or fewer units	Rehoboth	02769	New England Clean Energy		9.045	$53,883.00
5/13/2015	NSTAR	Residential	3 or fewer units	Plymouth	02360	Astrum Solar	Direct Energy Solar	7.020	$32,345.00
4/22/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02747	Next Step Living	Skyline Solar	4.080	$28,400.88
9/11/2015	NSTAR	Residential	3 or fewer units	Mattapoisett	02739	Alternate Energy		5.400	$23,811.00
4/14/2015	GRID	Residential	3 or fewer units	Rehoboth	02769	GotSun-GoSolar		9.150	$37,690.00
6/26/2015	NSTAR	Residential	3 or fewer units	Wareham	02571	Cotuit Solar		4.590	$19,804.00
2/19/2015	NSTAR	Residential	3 or fewer units	Wareham	02571	Trinity Solar		8.160	$32,640.00

4/30/2015	GRID	Residential	3 or fewer units	Westport	02790	GotSun-GoSolar		6.300	$27,090.00
3/23/2015	NSTAR	Residential	3 or fewer units	New Bedford	02745	Southern Light Solar		7.905	$37,485.00
4/16/2015	NSTAR	Residential	3 or fewer units	Plymouth	02360	SunBug		7.848	$36,400.00
2/9/2015	NSTAR	Residential	3 or fewer units	Mattapoisett	02739	My Generation Energy, Inc.	Coastal Light Electric	8.100	$38,880.00
5/27/2015	NSTAR	Residential	3 or fewer units	Bourne	02532	Cotuit Solar		7.905	$32,435.00
5/8/2015	NSTAR	Residential	3 or fewer units	Bourne	02532	Real Goods Solar		5.775	$26,086.00
3/26/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02714	My Generation Energy, Inc.	Coastal Light Electric	6.900	$31,740.00
7/21/2015	GRID	Residential	3 or fewer units	East Bridgewater	02333	Rexel, Inc. d.b.a. Rexel Energy Solutions	Munro Electric	9.075	$34,526.00
5/4/2015	NSTAR	Residential	3 or fewer units	Plymouth	02360	Direct Energy Solar		9.990	$38,501.00
5/5/2015	NSTAR	Residential	3 or fewer units	Plymouth	02360	Real Goods Solar		7.425	$29,943.90
6/11/2015	NSTAR	Residential	3 or fewer units	Plymouth	02360	Sunlight Solar Energy		7.370	$42,746.00
6/9/2015	NSTAR	Residential	3 or fewer units	Plymouth	02360	Sunlight Solar Energy		8.250	$31,680.00
5/22/2015	NSTAR	Residential	3 or fewer units	Plymouth	02360	Rexel, Inc. d.b.a. Rexel Energy Solutions	Munro Electric	8.800	$31,927.00
2/2/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02747	Rexel, Inc. d.b.a. Rexel Energy Solutions	Munro Electric	6.600	$26,938.00
5/8/2015	GRID	Residential	3 or fewer units	Fall River	02721	Astrum Solar		7.395	$36,605.25
5/18/2015	NSTAR	Residential	3 or fewer units	Westport	02790	Real Goods Solar		7.000	$28,000.00
4/30/2015	NSTAR	Residential	3 or fewer units	Freetown	02717	I.N.O Electrical Service, Inc.		6.840	$25,536.00
4/22/2015	NSTAR	Residential	3 or fewer units	Freetown	02702	I.N.O Electrical Service, Inc.		8.400	$30,324.00
6/22/2015	NSTAR	Residential	3 or fewer units	Freetown	02702	I.N.O Electrical Service, Inc.		6.160	$21,560.00
2/23/2015	NSTAR	Residential	3 or fewer units	Plymouth	02360	SunBug		8.100	$32,400.00
2/23/2015	NSTAR	Residential	3 or fewer units	Bourne	02532	Blue Selenium Solar		2.910	$11,697.00
4/27/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02747	Real Goods Solar		8.525	$43,187.00
8/6/2015	NSTAR	Residential	3 or fewer units	Mattapoisett	02739	E 2 Solar PV		6.900	$36,284.00
4/3/2015	NSTAR	Residential	3 or fewer units	Westport	02790	Astrum Solar	Direct Energy Solar	5.355	$21,152.25
4/30/2015	NSTAR	Residential	3 or fewer units	Plymouth	02360	Astrum Solar		7.830	$28,580.00
1/5/2015	GRID	Residential	3 or fewer units	Westport	02790	GotSun-GoSolar		9.625	$38,038.00
2/6/2015	GRID	Residential	3 or fewer units	Rehoboth	02769	SunWind, LLC	Edward Merry Master Electrician	8.100	$32,750.00
1/20/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02748	Real Goods Solar		6.050	$25,192.00
3/16/2015	NSTAR	Residential	3 or fewer units	New Bedford	02745	Next Step Living	Corbin Solar Solutions	6.600	$24,684.00
2/5/2015	NSTAR	Residential	3 or fewer units	Wareham	02571	Alternate Energy		6.000	$23,360.00
4/27/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02747	Real Goods Solar		6.600	$27,053.20

5/21/2015	NSTAR	Residential	3 or fewer units	Carver	02330	Real Goods Solar		6.325	$31,075.00
2/23/2015	NSTAR	Residential	3 or fewer units	Wareham	02571	Certified Safe Electric, Inc		5.980	$24,500.00
1/22/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02747	Sunlight Solar Energy		7.700	$31,955.00
1/28/2015	GRID	Residential	3 or fewer units	Bridgewater	02324	Sunlight Solar Energy		9.625	$42,800.00
3/9/2015	GRID	Residential	3 or fewer units	Rehoboth	02769	Next Step Living	Skyline Solar	9.300	$56,054.51
3/2/2015	NSTAR	Residential	3 or fewer units	New Bedford	02745	Next Step Living	Corbin Solar Solutions	5.700	$26,745.00
1/2/2015	NSTAR	Residential	3 or fewer units	New Bedford	02740	Next Step Living	Baystate Solar	5.355	$25,233.00
4/30/2015	NSTAR	Residential	3 or fewer units	Westport	02790	Real Goods Solar		7.650	$29,055.54
2/19/2015	NSTAR	Residential	3 or fewer units	Wareham	02571	I.N.O Electrical Service, Inc.		5.600	$23,200.00
2/18/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02747	Next Step Living	Sunwatt Solar	5.100	$30,902.10
6/23/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02748	Real Goods Solar		4.950	$22,889.00
4/17/2015	NSTAR	Residential	3 or fewer units	New Bedford	02745	Next Step Living	Certified Safe Electric, Inc	5.355	$25,864.65
5/5/2015	GRID	Residential	3 or fewer units	West Bridgewater	02379	Next Step Living		9.690	$48,404.43
7/16/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02747	Real Goods Solar		7.975	$34,394.00
5/26/2015	NSTAR	Residential	3 or fewer units	Wareham	02571	Next Step Living	Baystate Solar	4.000	$28,045.68
2/12/2015	NSTAR	Residential	3 or fewer units	New Bedford	02745	Next Step Living		6.120	$27,540.00
5/27/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02747	Next Step Living	Baystate Solar	4.800	$25,630.08
2/19/2015	NSTAR	Residential	3 or fewer units	New Bedford	02745	Next Step Living	Baystate Solar	8.100	$38,870.00
3/30/2015	NSTAR	Residential	3 or fewer units	Plymouth	02360	Next Step Living		9.000	$58,181.98
3/4/2015	NSTAR	Residential	3 or fewer units	New Bedford	02745	Next Step Living	Corbin Solar Solutions	7.200	$34,190.00
1/2/2015	NSTAR	Residential	3 or fewer units	Freetown	02702	Next Step Living	Baystate Solar	5.100	$33,913.32
4/17/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02748	Real Goods Solar		6.050	$27,887.00
1/5/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02747	Real Goods Solar		4.950	$21,471.76
1/29/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02748	Real Goods Solar		6.600	$26,983.52
3/27/2015	NSTAR	Residential	3 or fewer units	Westport	02790	Real Goods Solar		3.300	$14,989.41
1/8/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02747	Real Goods Solar		6.600	$28,919.53
2/6/2015	NSTAR	Residential	3 or fewer units	Mattapoisett	02739	Real Goods Solar		5.775	$26,873.72
1/19/2015	NSTAR	Residential	3 or fewer units	Mattapoisett	02739	Real Goods Solar		4.950	$20,743.37
2/18/2015	NSTAR	Residential	3 or fewer units	New Bedford	02740	Next Step Living	Baystate Solar	4.590	$18,130.50
2/11/2015	NSTAR	Residential	3 or fewer units	New Bedford	02745	Next Step Living	Baystate Solar	4.590	$19,997.70
1/5/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02747	Real Goods Solar		7.700	$37,686.00
1/19/2015	NSTAR	Residential	3 or fewer units	Dartmouth	02714	Real Goods Solar		6.875	$30,551.04
3/19/2015	GRID	Residential	3 or fewer units	East Bridgewater	02333	Certified Safe Electric, Inc		9.440	$30,500.00