



*Customer Information Packet for Solar
Installations*

***SYSTEM MUST BE OWNED AND OPERATED BY CUSTOMERS OF
WAKEFIELD MUNICIPAL GAS AND LIGHT DEPARTMENT***

MAXIMUM SIZE FOR RESIDENTIAL INSTALLATIONS: 10 KW DC

MAXIMUM SIZE FOR COMMERCIAL INSTALLATIONS: 25 KW DC



Dear Wakefield Municipal Gas and Light Department

customer: Thank you for your interest in solar!

There are 3 documents that are necessary for a solar installation in Wakefield:

1. Interconnection Application
2. Interconnection Standards for Customer-Owned, Grid-Connected Electric Generating Systems of 25 kW DC or less (10kW max for residential, 25kW max for commercial).
3. Interconnection & Solar Net Metering Agreement

These documents are available at <http://wmgld.com/energy-programs/>

Solar net metering is available to customers who are interested in generating their own electricity and want to be connected to Wakefield Municipal Gas and Light Department's distribution system.

Wakefield Municipal Gas and Light Department Contacts:

Please work with the Engineering staff and Office Manager at our office; they will be able to assist you with the solar interconnection process. Email us at solar@wmgld.com

Local Permitting Agency

Apply for appropriate electrical permits from the Town of Wakefield Electrical Inspector.

WMGLD Fees

WMGLD does not charge an application fee for the Interconnection Application under the current solar rebate program.

Qualified Systems

Customers may choose to purchase a qualifying system from a contractor of their choice. WMGLD does not make recommendations on any contractors or systems.

NOTE: Solar projects should not be started until fully approved.



SOLAR NET METERING

Wakefield Municipal Gas and Light Department offers Solar Net Metering to customers who wish to generate their own electricity with photovoltaic systems. 10kW DC is the maximum allowable power for residential installations and 25 kW DC is the maximum for commercial installations. Once Wakefield Municipal Gas and Light Department approves a customer-owned photovoltaic system, Solar Net Metering allows a customer to be connected to the utility's distribution system. Any excess electricity generated by a customer will be credited to the customer's account.

WHAT IS SOLAR NET METERING?

- For customers who generate their own electricity using small-scale solar systems, Solar Net Metering measures the electricity you buy from WMGLD and the excess electricity you produce using your own generating equipment.
- Your electric meter keeps track of the amount of electricity delivered to your home from the electric grid and the electricity generated from your home into the electric grid.

HOW EXACTLY DOES SOLAR NET METERING WORK?

- Basically, Solar Net Metering is a special metering installation and billing arrangement between you and Wakefield Municipal Gas and Light Department.
- Normally, your electric meter runs "forward" as it measures the amount of electricity that WMGLD sends into your home or business.
- If your generation system makes more electricity than you need at any given time, which would be considered Excess Energy, Solar Net Metering allows this electricity to run "backward" through the metering installation and out into WMGLD distribution system.
- Excess Energy is energy produced by your solar system that is not consumed by your home or business and is sold back to WMGLD.
- Solar Net Metering is accomplished using a special dual-register meter at your home or business. WMGLD also requires the customer to install an additional meter to separately measure the output of your generating system.

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.
- Any excess energy generated by the consumer and sent back to the distribution system in a given billing cycle will appear as a Solar Energy Credit on your next bill.
- Under WMGLD's current solar rebate program, the Solar Energy Credit rate will be 85% of the Energy Charge rate. The Energy Charge rate is the rate at which the customer buys energy from WMGLD during the current billing cycle. The Solar Energy Credit rate is the rate at which the customer sells energy back to WMGLD.

WHAT IS THE BENEFIT OF SOLAR NET METERING?

- With a Solar Net Metering arrangement, any excess electricity that you generate and do not use can be sent back to WMGLD, which will reduce your electricity bill. Your excess electricity will offset electricity you would otherwise have to purchase.

AM I ELIGIBLE FOR SOLAR NET METERING?

- In Wakefield, any electric customer who would like to install solar is eligible for Solar Net Metering.
- The solar installation shall not have a capacity of more than 25 kW DC for commercial installations and 10 kW DC for residential installations.

WHAT ARE THE TECHNICAL REQUIREMENTS?

- A Solar Net Metering system used by a homeowner 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, the Institute of Electrical and Electronics Engineers (IEEE), and Underwriters Laboratories (UL), and any applicable state and local agencies.
- The customer will be responsible for the cost of any required distribution system upgrades.
- ***Wakefield Municipal Gas and Light Department must approve your system before you connect to the electric grid.***