Customer-Owned Generation

Installing a solar or wind energy system at your home or business can help you add a renewable source of energy, support the environment and even save you money over time. But because the sun doesn’t always shine and the wind doesn’t always blow, your system must work in tandem with community power from MP&W.

Some customers like the idea of renewable energy and MP&W allows interconnection of renewable energy systems with our utility infrastructure. It’s important that potential issues, such as high or low voltage which may damage your or your neighbor’s personal property or utility infrastructure, are minimized. Working in conjunction with your utility provider creates a win-win with renewable energy installations.

MP&W customers wanting the ability to generate their own electricity may do so with a signed Interconnection Agreement for Small Renewable Generation. With our Interconnection and Net Metering program, your energy needs will first be supplied from the energy your system generates; and when your energy needs are greater than that produced by your system, you will seamlessly be provided energy from MP&W.

Approved customer-owned renewable energy systems (solar panels, wind turbines) located within MP&W’s electric service territory qualify for interconnection and net metering. The application and further information are available at: mpw.org/customer-generation

How Does Net Metering Work?

MP&W will install a meter which tracks energy in kilowatt hours (“kWh”) delivered by the Utility to the customer, and any excess energy in kWh produced by the customer’s renewable system received by the Utility.

When a customer uses more kWh than produced,
the net kWh delivered by MP&W in the month will be billed at the current applicable rate.

When a customer produces more kWh than they use, the excess kWh will be credited to the account and carried forward for use the next month.

An annual “true up” occurs in February. MP&W will provide the customer an Energy Credit for any banked kWh. The Energy Credit rate is equivalent to the previous three year rolling average of MP&W’s purchased power cost (what it costs to produce or purchase power on the open energy market). The customer’s banked credits will then reset to zero.

**Considerations**

Renewable energy systems typically provide electricity during sunny and/or windy conditions.

Depending on weather conditions and your energy needs from things like lighting, air conditioning, appliances, and motors, it’s likely that additional electricity from MP&W will be needed to meet your energy needs. Don’t worry, we’ll be there to back you up.

It’s also important to understand your home or business' energy needs. We can provide that information to you, as well as offer suggestions to improve your energy efficiency. Using less energy may mean that a smaller renewable system is needed to meet your needs, saving you money.

Interconnection programs vary from utility to utility. Renewable energy companies may not be fully aware of our requirements. Before signing any contracts or installing a renewable energy system, contact MP&W to discuss sizing, the Interconnection Agreement, and any restrictions.

**Buyer Beware**

Be aware of companies promising quick rates of return, generous tax credits, or other benefits if you purchase renewable systems with them. Be sure to independently verify and research these types of claims before signing on with a contractor.

Systems up to 50kW are eligible for our Net Metering program. Excess production is credited at the Energy Credit rate.

See rates and other restrictions below.

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### Residential Electric – Net Metered

**Applies to**

Residential customers with Utility approved customer-owned generating facilities* (e.g., solar panels, wind turbines). Residential customers in noncommercial dwellings for all domestic and noncommercial uses including lighting, heating, cooking, refrigeration, household appliances, air conditioning, and individual motors of 5 hp or less. If the customer regularly uses a portion of the electricity for business purposes, all energy used is nonresidential, unless the customer provides separate circuits to permit the separate metering and billing of energy used in the residential portion.

**Character of Service**

AC; 60 cycles, single phase; 120/240 volts.

**Monthly Rate**

<table>
<thead>
<tr>
<th>Facility Charge</th>
<th>$29.08 per month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy Charge</td>
<td>$8.391¢ per kWh</td>
</tr>
</tbody>
</table>

**Energy Adjustment Clause Applies**

**Net Metering**

The Utility’s meter tracks energy delivered (kWh) by the Utility to the customer and energy produced (kWh) by the customer-owned generating facility received by the Utility. When a customer uses more kWh in a month than produced, the net kWh delivered by MP&W will be billed at the current applicable rate. When a customer owned facility produces more kWh than used, the excess kWh will be credited to the account and carried forward for use the next month. An annual “true up” occurs in February; MP&W will provide the customer an Energy Credit for any banked kWh at a rate equivalent to the previous three year rolling average of MP&W’s purchased power cost. Banked credits will then reset to zero.

**Energy Credit**

2.913¢ per kWh

Discounts will not apply to any EAC or facilities charge.

**Minimum Bill:** $29.08 per month

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### Commercial I Electric – Net Metered

**Applies to**

Commercial customers with Utility approved customer-owned generating facilities* (e.g., solar panels, wind turbines). Commercial customers and multifamily dwellings, unless separately metered, where the load is less than 50 kW load demand. If only single-phase service is supplied, the individual motor size is limited to 5 hp. Each service is billed separately.

**Character of Service**

AC; 60 cycles, single phase; 120/240 volts; and where available, three phase; 120/208 or 277/480 volts.

**Monthly Rate**

<table>
<thead>
<tr>
<th>Facilities Charge</th>
<th>$56.46 per month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy Charge</td>
<td>8.580¢ per kWh</td>
</tr>
</tbody>
</table>

**Energy Adjustment Clause Applies**

**Net Metering**

The Utility’s meter tracks energy delivered (kWh) by the Utility to the customer and energy produced (kWh) by the customer-owned generating facility received by the Utility. When a customer uses more kWh in a month than produced, the net kWh delivered by MP&W will be billed at the current applicable rate. When a customer owned facility produces more kWh than used, the excess kWh will be credited to the account and carried forward for use the next month. An annual “true up” occurs in February; MP&W will provide the customer an Energy Credit for any banked kWh at a rate equivalent to the previous three year rolling average of MP&W’s purchased power cost. Banked credits will then reset to zero.

**Energy Credit**

2.913¢ per kWh

Discounts will not apply to any EAC or facilities charge.

**Minimum Bill:** $56.46 per month

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