



Member Guidelines for Electric Power Generator Installation and Interconnection

Preliminary work to be completed, BEFORE construction starts and things to know:

- Review MJM's **Policy 34 - Interconnection and Parallel Operation of Distributed Generation and Policy 36 – Member-Owned Generation Billing**. Note, Policy 36 allows members to generate alternative energy to offset their purchases of energy from the Cooperative, must be in accordance to UL 1741 standards and have a nameplate capacity of 10 kW or less. It does not provide reimbursement for energy produced above consumption. Any credits for excess generation at the end of the Annual Billing Period will expire. Member will not be eligible for any incentive rates after installation of generation system such as our Electric Heat Discount.
- Complete the **Application for Operation of Member-Owned Generation (Attachment A)**, and return the original signed copy with nameplated capacity 10 kW or less. If over 10 kW, please contact us first and we will assist you in the power purchase agreement necessary with Wabash Valley Power Association (WVPA).
- **Attachment A** requires a proposed One-line diagram, the diagram should include the metering point(s), disconnect(s), panel box(es), inverter(s), sub-meter location, and denote any battery back-ups. MJM may check out the site/existing service set-up before construction starts. Please see **One Line Diagram Sample** for details.
- Submit **Equipment Specifications** for planned distributed generation system.
- You will then receive a letter approving or denying your application. If you are approved, you may start construction. If you are denied, please see stated reasoning and contact Nathan Hatalla for any questions.
- Schedule an appointment with Nathan Hatalla at our office to review and complete the **Agreement for Interconnection and Parallel Operation of Distributed Generation (Attachment B)**.
- Member will be required to pay an **Interconnection fee of \$300** prior to interconnection.
- MJM requires **\$1,000,000 liability insurance**, prior to and during interconnection, the Member must provide a current Certificate of Insurance containing a minimum (30) thirty day notice of cancelation, change or renewal to the Cooperative. In addition, the Certificate of Insurance must list MJM as a **Certificate Holder**.
- A 100A meter base, cover plate and sub-meter box should be installed in accordance with the **One-line Diagram Sample**. MJM will provide the sub meter.

Completion of project, AFTER construction starts and things to know:

Notify Nathan Hatalla once construction is complete and is ready for interconnection. Please allow 1-2 weeks to coordinate and set-up the inspection and meter installations. Your distributed generation system will not be interconnected until **ALL** requirements are met.

How to Understand Your Service Meter and Sub Meter:

The **Service meter**, will be your main meter and will be used for billing. It cycles through 2 important displays DL and RC. DL stands for Delivered kWh (the power used from MJM's line). RC stands for Received kWh (the excess generation from your system put onto MJM's line). This meter only records the electricity that moves through the meter and does not meter the total production of your system. For instance, if you have only a 100W light bulb on in your home, and your solar system is producing 30W at that moment, the meter will reflect $100W - 30W = 70W$ displayed as DL. If nothing is on in your home, it would pass the 30W production through to the meter at that moment displayed as RC. If you only have a 100W light bulb on in your home, and your solar system is producing 100W at that moment, no power will be recorded through the meter. Our **sub meter** will measure the total production of the system and is not a billable meter.

How to Read your Bill:

- Delivered (DL) kWh as **Rate Class (1,2...ect)** (the power used from MJM lines)
- Received (RC) kWh as **GEN** (the excess generation put onto MJM lines)
- **ALL** (your systems total production)

Example: **Rate Class (1,2..ect)** = 1,000 kWh (billed at our normal rate)

MGEN = 300 kWh (credited at MJM's avoided cost)

ALL = 1500 (total system production)

Please contact MJM's Staking Technician: Nathan Hatalla for any questions at 217-707-6019 or nhatalla@mjmec.coop