



Eastern Maine Electric Cooperative

A Touchstone Energy® Cooperative
The power of human connections®



*Built by and belonging to
the communities of
Eastern and Northern Maine*

EMEC Distributed Generation Application Process

Eastern Maine Electric allows Level 1 and Level 2 generating facilities to interconnect with our system. A Level 1 generating facility is defined as any inverter-based system with a nameplate rating of 25 kilowatts (kW) or less. A Level 2 generating facility is defined as any system that does not qualify for Level 1, and has a nameplate rating of 100kW or less.¹ Excess generation is applied to the kilowatt-hour portion of the customers monthly bill as kilowatt-hour credits.

Level 1 Application Steps

1. The member should reach out to EMEC Engineering to begin the application process or have a licensed contractor do so on their behalf.
2. Next, the following documents should be filled out and returned.
 - a. Level-1 Interconnection Application
 - b. Level-1 Interconnection Agreement
 - c. ESS Form (if applicable)
 - d. Provide one-line diagram of proposed facility.
 - e. Site plan if available.
 - f. Provide datasheets for all applicable equipment (i.e. solar panels, inverters, ESS, etc.).
3. At this time, the application fee should be paid either by check or over the phone. If electing to pay by phone, please notify EMEC Engineering so an invoice can be generated before calling. See application for cost information.
4. Once the above information is provided, and the application fee has been paid, the project will be evaluated under the applicable screens.
5. If the project passes all screens the application and agreement will be signed by EMEC and returned to the customer (or contractor), and installation may begin. At this time the cost-sharing fee should be paid. A project that fails one or more screens may be evaluated with additional review to determine if system modifications will allow for safe interconnection.
6. Once construction is complete, please return the Certificate of Completion. **The certificate must be signed by a licensed electrical contractor or the state electrical inspector.**
7. EMEC will then schedule a time to inspect the facilities.
8. Once installation is complete and a net energy meter has been installed, the customers facilities can be permanently energized.
 - a. Please note: this is an important step. The system cannot be permanently energized before a net-energy meter is installed. The customer will not receive any kilowatt-hour credits for excess generation until after this meter is installed.

1. Consumer owned utilities may limit the Level 2 generator size to 100kW or less. See exception 2 under MPUC CH.313 § 2.J.

Level 2 Application Steps

1. The member should reach out to EMEC Engineering to begin the application process or have a licensed contractor do so on their behalf.
2. Next, the following documents should be filled out and returned.
 - a. Level-2 Interconnection Application
 - b. Level-2 Interconnection Agreement
 - c. ESS Form (if applicable)
 - d. Provide one-line diagram of proposed facility. (Level 2 systems greater than 50kW need to be approved by a licensed Professional Engineer).
 - e. Site plan if available.
 - f. Provide datasheets for all applicable equipment (i.e. solar panels, inverters, etc.).
3. At this time, the application fee should be paid either by check or over the phone. If electing to pay by phone, please notify EMEC Engineering so an invoice can be generated before calling. See application for cost information.
4. Once the above information is provided, and the application fee has been paid, the project will be evaluated under the applicable screens.
5. If the project passes all screens the application and agreement will be signed by EMEC and returned to the customer (or contractor), and installation may begin. A project that fails one or more screens may be evaluated with additional review to determine if system modifications will allow for safe interconnection.
6. Once construction is complete, please return the Certificate of Completion. **The certificate must be signed by a licensed electrical contractor or the state electrical inspector.** At this time, the cost sharing fee should be paid either by check or over the phone. If electing to pay by phone, please notify EMEC Engineering so an invoice can be generated before calling. See application for cost sharing information.
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EMEC Requirements

- The generator must be connected through the customers existing meter. Meaning, a second meter cannot be installed to separately meter the generating facility.
- There must be a separate lockable disconnect between the customers generator and the metering point.
 - The disconnect must be located outside and as close to the meter as practical.
 - This disconnect must be lockable and provide means to visually see an “open” in the circuit when disconnected.
 - The meter disconnect is not considered an acceptable means of disconnection for this purpose.
- All inverters must meet IEEE 1547 standards and be UL1741 SB certified.