

Section 7: Interconnection Facility Installations and Electric Vehicle (EV) Charging Equipment

NET METERING

NHEC supports the development of member-sited renewable energy generation and storage facilities (referred to herein as an interconnection facility) by providing net metering, which is enabled by the installation of a bi-directional meter that allows you to offset your electricity requirements and to export surplus energy into our distribution system.

If you are planning to install an interconnection-facility and connection to NHEC's grid, you must receive approval from us.

NHEC's Net Metering Application form can be found at: https://www.nhec.com/wp-content/uploads/2023/01/2023-Interconnection-Application_final.pdf

Please begin with the following steps below:

1. Read NHEC's Terms and Conditions in particular Section X. Net Metering.
<https://www.nhec.com/new-terms-conditions/>
2. Review the Net Metering Rates in NHEC's Schedule of Rates.
https://www.nhec.com/wp-content/uploads/2023/06/Schedule_of_Rates_202308.pdf
3. Once you finalize your interconnection-facility plans, fully complete and submit Step 1 – Net Metering Interconnection-Facility Application Forms.
4. If you have a competitive power supplier, we strongly recommend contacting them to learn of their net metering policy prior to facility constructions.
5. Net and production meter sockets are required to be labeled with red placards and white writing with the language as directed on the interconnection application, step 2, page 1.
6. The production meter socket needs either:
 - Integral main breaker
 - Utility accessible disconnect directly adjacent to or within reach of the production meter
7. The production meter needs to meet the requirements specified in Section 2 Metering, Clearance requirements. For propane device clearances, reference SP-4, a minimum of 10' from storage or regulator.
8. Production meter wiring requires utility power on the load side and PV on the line side.

RESIDENTIAL OFF-PEAK ELECTRIC VEHICLE CHARGING STATION PROGRAM

The Residential Off-Peak Electric Vehicle Charging Station Program combines incentives for the installation of new Level 2 electric vehicle charging stations with an attractive EV Off-Peak Rate. In addition to the Off-Peak Rate, NHEC will provide participants with an incentive for the installation of up to two Level 2 charging stations.

The Residential Off-Peak Electric Vehicle Charging Station Program application form, Instructions and Residential EV Charging Terms & Conditions can be found at:

<https://www.nhec.com/residential-off-peak-ev-charging-station-application/>

<https://www.nhec.com/wp-content/uploads/2023/03/2023-Instructions-Checklist-Residential-Charging-Stations.pdf>

<https://www.nhec.com/wp-content/uploads/2023/03/2023-Terms-Conditions-Residential-Charging-Stations-1.pdf>

Important information:

1. All projects must be pre-approved before installation begins.
2. Participation in the Off-Peak Charging program requires the installation of a UL approved meter socket to accommodate an NHEC monitoring meter that will record off-peak and on-peak kWh usage.
3. Members with existing interconnected net metered systems at their property will require a separate electrical account for the EV meter and will be required to pay a design fee.
4. It is very important that you share a copy of the simplified wiring diagram with your electrical contractor to ensure proper installation of the secondary meter socket.
5. EV meter sockets are required to be labeled with a red placards and white writing, stating "EV Charger".
6. EV chargers installed on a 120/208 volt service require a five terminal meter socket. The fifth terminal must be at the nine o'clock position and connected to the socket neutral bus conductor. The fifth terminal neutral bus conductor must be a grounded conductor and connected to the house service. This fifth terminal conductor cannot be an equipment ground.

Sample Wiring Diagram for Electric Vehicle Charging Stations

