

Single Phase Transformer Rated Solar “OUT” Meter Socket Installation

General:

For the **PECO Electric Service Requirements** (Bluebook), after opening the following link, see Section 8 for Metering:

<https://www.peco.com/partnersinbusiness/buildersandcontractors/pages/guidelines.aspx>

For the **Requirements for Parallel Operation for customers with generation not exceeding 50kW** (Yellowbook), open the following link and then open “Review Interconnection Guidelines”:

<https://www.peco.com/Customerservice/RatesandPricing/Pages/Self-GeneratedPower.aspx>

Single phase transformer rated metering is covered In the Electric Service Requirements book. Single Phase Socket Metering Equipment - Transformer Rated, 240 Volt, Ringless - Indoor or Outdoor - 6 Jaws is shown on Page 22, **Table 8.03**. Typically used is the Milbank CE-136.

The purchase and mounting of the new meter socket is the responsibility of the customer.

It is PECO’s preference to have the new meter socket mounted to the right of the existing meter socket. It is recognized that not all installations will accommodate this preference. Please consult the Company regarding optional locations.

After the installation is complete and inspected, send the inspection card to PECO. After receiving the inspection card PECO will schedule the meter installation. PECO meter technicians will do all meter wiring.

NOTE The following installation details refer to the following terms: Transformer Rated Installation, Meter Socket, Meter Base Adapter, Transformer Cabinet and Single Phase. It is important to know what these items are. For example a meter base adapter is NOT to be confused with and is not the same as a meter socket.

In the PECO service area single phase transformer rated installations are metered with different meter and transformer cabinet configurations.

- One configuration is where the meter socket and the transformer enclosure are combined into a single enclosure.
- Another configuration is where there is a transformer cabinet and a separate meter socket or meter base adapter. For these installations the meter may be located near the transformer cabinet or remote from the transformer cabinet.

When the meter socket and the transformer enclosure are built as a single enclosure the new the meter socket is to be mounted adjacent to the existing meter socket. A 1 ½” rigid steel conduit/nipple needs to be provided and installed to connect between the new and old meter sockets. Conduit must enter the new and old meter socket where the knockout is provided, it is not acceptable if it enters the new meter socket above the terminal block/knife switches.

When the existing service has a separate transformer cabinet and a separate meter socket there may be 2 options for mounting the new meter socket depending on the location of the meter socket.

If the meter socket is **remotely located** relative to the transformer cabinet, mount the new meter socket adjacent to the existing meter socket and install a 1 ½” rigid steel conduit/nipple between the new and old meter sockets the same as described above.

If the meter socket is **located directly above** the transformer cabinet, mount the new meter socket next to the existing meter socket and install a 1 ½” rigid steel conduit/nipple between the new and old meter sockets the same as described above.

If the existing installation is a meter that is installed in a **meter base adapter**, and the adapter is located directly above the transformer cabinet, mount the new meter socket next to the existing meter adapter then nipple between the new meter socket and the transformer cabinet with a 1 ½” rigid steel conduit. A meter base adapter is a hardwired device that is installed to enable a socket type meter to be installed where an older type “A” base meter was installed.

If you have a configuration different from what is described above please consult the Company for instructions.