TNMP Residential / Small Commercial Project Requirements

Equipment (Including all associated equipment)

- Batteries
- Visible Lockable Labeled AC Disconnect (VLLD)
- Wind Turbines
- Etc
- Generators
- Inverters
- Solar Panels/Modules
- Utility Meter

A Visible Lockable Labeled AC Disconnect (VLLD) MUST be located between the TNMP Meter and ALL sources of distributed generation. The Visible Lockable Labeled AC Disconnect must have an external handle and be lockable. Molded-case breakers are NOT considered acceptable VLLDs.

If the project is adding to an existing system, the diagrams need to include a representation of the existing system.

Each Diagram must be a single page, completely flattened, non-editable, PDF, less than 2MB. Please contact TNMP for exceptions. Markups of the example drawings will not be accepted.

All drawings must accurately reflect the system that is actually installed.

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Layout Sketch

1. TNMP service address must be shown on the Layout Sketch.
2. Equipment (Panels, Inverters, Visible Lockable Labeled AC Disconnects, Batteries and the TNMP Meter) must be represented and labeled.
    a. A Legend may be used to identify symbols/numbers on the sketch if symbols/numbers are used.
    b. Utility Meter must be clearly labeled. (Note: The Utility Meter is NOT the customer owned measurement and verification meter, located downstream from the Utility Meter.)
    c. The Manufacturer, Model, and Quantity of all associated DG equipment (panels, inverters, batteries, etc.) must be listed exactly as the are on the equipment tab in the portal(include voltages) .
    d. The Visible Lockable Labeled AC Disconnect must be located on an ACCESSIBLE, EXTERIOR wall within 10 feet of the TNMP Meter.
    e. If the Visible Lockable Labeled AC Disconnect is NOT located within 10 feet of the TNMP Meter, Class 2 or 3 placards are to be used. The AC Disconnect MUST BE ACCESSIBLE at all times. Please contact TNMP for exceptions.
3. The words “Visible Lockable Labeled Disconnect” must be written out in at least one location on the drawing, before the acronym “VLLD” can be used.
4. The distance between the AC Disconnect and the TNMP Meter must be identified in feet.
    a. Example, “The Visible, Lockable, Labeled AC Disconnect is located within 10 ft. of TNMP Meter” or “ The Visible Lockable Labeled AC Disconnect is located approximately X ft from the TNMP Meter.

Note: The distance between the VLLD and the TNMP Meter is used to determine Class 1, Class 2 or Class 3 placarding.

5. If the VLLD is within 10 feet of the TNMP Meter, Class 1 placard proofs may be shown on the Layout Sketch or uploaded as a separate document in the Layout Section of the TNMP's PowerClerk Portal.
    a. Installers can choose to create a Class 1 Placarding Template that may be uploaded with each project.
    b. Class 2 and Class 3 placarding is unique to each project.

Note: Placarding Proofs need to be uploaded separately from any uploaded design packet (if not included in either drawing). It may cause delays if reviewing staff has to search for it.

6. The ESI ID number needs to be clearly identified for each project/address.
7. Layout Sketch needs to be one (1) page, two (2) if the second page is placarding. Google Earth images or bird's- eye drawings, with required labeling, are acceptable, as long as they are converted to PDFs.)
8. Layout Sketch must include North directional symbols. Additional descriptors such as street names, driveway, front of building label, etc. are appreciated.

One Line Diagram

1. TNMP service address, ESI Id, and TNMP Meter Number must be shown on the One Line Sketch.
2. Equipment (Panels, Inverters, Visible Lockable Labeled AC Disconnects, Batteries and the TNMP Meter) must be represented and labeled.
    a. A Legend may be used to identify symbols/numbers on the sketch if symbols/numbers are used.
    b. Utility Meter must be clearly labeled. (Note: The Utility Meter is NOT the customer owned measurement and verification meter, located downstream from the Utility Meter.)
    c. The Manufacturer, Model, and Quantity of all associated DG equipment (panels, inverters, batteries, etc.) must be listed exactly as the are on the equipment tab in the portal(include voltages).
    d. The Visible, Lockable ,Labeled, Handled AC Disconnect must be located on an ACCESSIBLE, EXTERIOR wall within 10 feet of the TNMP Meter.
    e. If the Visible Lockable Labeled AC Disconnect is NOT located within 10 feet of the TNMP Meter, Class 2 or 3 placards must installed adjacent to TNMP's meter and at the AC Disconnect. The AC Disconnect MUST BE ACCESSIBLE at all times. Please contact TNMP for exceptions.
3. The words “Visible Lockable Labeled Disconnect” must be written out in at least one location on the drawing, before the acronym “VLLD” can be used.
4. The distance between the AC Disconnect and the TNMP Meter must be identified in feet.
    a. Example, “The Visible, Lockable, Labeled AC Disconnect is located within 10 ft. of TNMP Meter” or “ The Visible Lockable Labeled AC Disconnect is located approximately X ft from the TNMP Meter.

Note: The distance between the VLLD and the TNMP Meter is used to determine Class 1, Class 2 or Class 3 placarding.

5. If the VLLD is within 10 feet of the TNMP Meter, Class 1 placard proofs may be shown on the One Line Diagram or uploaded as a separate document in the One-Line Section of TNMP's PowerClerk DG Portal.
    a. Installers can choose to create a Class 1 Placarding template, which may be uploaded with each project.
    b. Class 2 and Class 3 placarding is unique to each project.

Note: Placarding Proofs need to be uploaded separately from any uploaded design packet (if not included in either drawing). It may cause delays if reviewing staff has to search for it.

6. The ESI ID number needs to be clearly identified for each project/address.
7. One Line diagram needs to be one (1) page, two (2) if the second page is placarding.

Checklist

__Is the TNMP service address on both the sketch and diagram?

__Is the ESI ID and TNMP Meter Number on the sketch and diagram?

__Is all the equipment clearly labeled (or identified by a legend if using numbers/symbols)?

__Are the words "Visible Lockable Labeled Disconnect" written out at least once per drawing?

__Is the distance (in feet) between the TNMP Meter and the VLLD identified on both the sketch and diagram?

__Is the VLLD located within 10 feet of the TNMP meter?
If Yes, then Class 1 placards are required.

__Is the VLLD located farther than 10 feet from the TNMP meter?
If Yes, then Class 2 or Class 3 placards are required.

__Are the appropriate Placard Proofs uploaded to the Layout section in the TNMP's PowerClerk DG Portal? (If not included on either drawing.)

__Is the equipment (Manufacturer, Model, & Quantity for Inverter and Panels) listed on all drawings?

__Does the information and quantities on the application, diagrams, and equipment tab, match?

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