



2019 DRAWING REVIEW PACKET



Residential Diagram Guide

Project Information

Site Plan

(Required for all projects)

1. The installation address and property owner name are shown.	YES <input type="checkbox"/>
2. The drawing omits any copyrighted, proprietary, or confidential language.	YES <input type="checkbox"/>
3. The site plan includes a scale.	YES <input type="checkbox"/>
4. The utility equipment is labeled including: <ul style="list-style-type: none"> Revenue Meter and Service Entrance DG Meter Socket Utility DG Disconnect Switch 	YES <input type="checkbox"/>
5. The proposed location of all PV system equipment, new and existing, is provided and is labeled including: <ul style="list-style-type: none"> Inverter(s) Modules Sub-panels (if applicable) Junction Boxes and Gutters associated with DG interconnection or Main Service (if applicable) Additional Disconnect Switches associated with DG interconnection or Main Service (if applicable) Energy Storage System (if applicable) 	YES <input type="checkbox"/>
6. The Revenue Meter and Service Entrance location are in accordance with TEP's Electrical Service Requirements (SR-304, SR-405).	YES <input type="checkbox"/>
7. The Revenue Meter and Service Entrance are within 10 feet of DG Meter Socket and Utility DG Disconnect Switch per TEP's Electrical Service Requirements (SR-702).	YES <input type="checkbox"/>
8. The DG Meter Socket and Utility DG Disconnect Switch have the appropriate work space, location, and height per TEP's Electrical Service Requirements (SR-304, SR-405, SR-702).	YES <input type="checkbox"/>
9. Property lines, streets, gates and fences/walls are labeled.	YES <input type="checkbox"/>
10. Permanently installed structures and equipment are clearly labeled, if in proximity to utility and PV system equipment, including: <ul style="list-style-type: none"> Carports Porches Breezeways Patios Doors Windows Gas meters Stairways Ramps Ground AC Units 	YES <input type="checkbox"/>

Residential Diagram Guide

Three Line Diagram (Required for all projects)	
1. The installation address and property owner name are shown.	YES <input type="checkbox"/>
2. The drawing omits any copyrighted, proprietary, or confidential language.	YES <input type="checkbox"/>
3. The Method of Interconnection (MOI) shown matches MOI listed on the application form.	YES <input type="checkbox"/>
4. Revenue Meter, Service Entrance and Interconnection: <ul style="list-style-type: none"> The Service Entrance Panel is labeled new or existing. The Service Entrance Panel make and model number are displayed if new or if the Service Entrance Panel is Solar Ready. The Service Entrance Panel (Busbar) amperage, voltage, and phase are displayed. The Service Entrance busing is drawn and labeled to accurately reflect product specifications (Solar Ready Panel, Multiple Main Breakers, etc.). The PV Breaker amperage is displayed (if applicable). The Main Circuit Breaker (MCB) amperage is displayed. All conductors are drawn and labeled. The neutral conductor runs from the Point of Interconnection to the neutral termination bus inside the DG meter socket, at minimum. The PV Breaker's location is accurately reflected and per NEC (if applicable) The make, model and catalog number for any lugs or adapters used for Line Side Taps are listed (if applicable). 	YES <input type="checkbox"/>
5. All of the proposed PV system equipment, new and existing, are displayed and labeled: <ul style="list-style-type: none"> Inverter(s) Modules Sub-panels (if applicable) Junction Boxes and Gutters associated with DG interconnection or Main Service (if applicable) Additional Disconnect Switches associated with DG interconnection or Main Service (if applicable) Energy Storage Systems (if applicable) 	YES <input type="checkbox"/>
6. DG Meter Socket: <ul style="list-style-type: none"> Make and model are displayed. Amperage, voltage, and phase are displayed. Displays wiring consistent with SR-702 wiring schematics. The DG Meter Socket and all related metering equipment and conduits are properly grounded. 	YES <input type="checkbox"/>
7. Utility DG Disconnect Switch: <ul style="list-style-type: none"> Make and model are displayed. Amperage, voltage, and phase are displayed. Location is between the Revenue Meter and DG Meter Socket. Displays wiring consistent with SR-702 wiring schematics. The enclosure and conduits are properly grounded. For Line Side Taps, the Utility DG Disconnect Switch is fused and the fuse amperage is displayed. 	YES <input type="checkbox"/>
8. Inverter(s): <ul style="list-style-type: none"> Quantity is displayed and matches the Application. Make and model(s) are displayed and matches the Application. The total AC kW is displayed and matches the Application. 	YES <input type="checkbox"/>
9. Modules: <ul style="list-style-type: none"> The Module quantity is displayed and matches the Application. Make and model are displayed and matches the Application. The total DC kW is displayed and matches the Application. 	YES <input type="checkbox"/>

Residential Diagram Guide

Three Line Diagram (Continued)

10. Energy Storage System (if applicable):	
<ul style="list-style-type: none"> The Energy Storage quantity is displayed and matches the Application. The Energy Storage make and model are displayed and matches the Application. The total Maximum Output Power AC kW is displayed and matches the Application. The backed-up loads are accurately displayed and labeled. The Energy Storage System Configuration is accurately displayed. 	YES <input type="checkbox"/>

DG Interconnection and Metering Elevation Plan

1. The installation address and property owner are shown.	YES <input type="checkbox"/>
2. The drawing omits any copyrighted, proprietary, or confidential language.	YES <input type="checkbox"/>
3. The elevation plan includes a scale.	YES <input type="checkbox"/>
4. The utility equipment is labeled and displayed to scale:	
<ul style="list-style-type: none"> Revenue Meter and Service Entrance DG Meter Socket Utility DG Disconnect Switch 	YES <input type="checkbox"/>
5. All PV system equipment, new and existing, is labeled and displayed to scale:	
<ul style="list-style-type: none"> Inverter(s) Modules Sub-panels (if applicable) Junction Boxes and Gutters associated with DG interconnection or Main Service (if applicable) Additional Disconnect Switches associated with DG interconnection or Main Service (if applicable) Energy Storage Systems (if applicable) 	YES <input type="checkbox"/>
6. Approximate height of equipment is displayed.	YES <input type="checkbox"/>
7. Approximate spacing between main components is displayed.	YES <input type="checkbox"/>
8. The Revenue Meter and Service Entrance location are in accordance with TEP's Electrical Service Requirements (SR-304, SR-405).	YES <input type="checkbox"/>
9. The Revenue Meter and Service Entrance are within 10 feet of DG Meter Socket and Utility DG Disconnect Switch per TEP's Electrical Service Requirements (SR-702).	YES <input type="checkbox"/>
10. The DG Meter Socket and Utility DG Disconnect Switch have the appropriate work space, location, and height per TEP's Electrical Service Requirements (SR-304, SR-405, SR-702).	YES <input type="checkbox"/>
11. Gates and fences are displayed and labeled.	YES <input type="checkbox"/>
12. Permanently installed structures and equipment are clearly labeled and displayed to scale, if in proximity to utility and PV system equipment, including:	
<ul style="list-style-type: none"> Carports Porches Breezeways Patios Doors Windows Gas meters Stairways Ramps Ground AC Units 	YES <input type="checkbox"/>

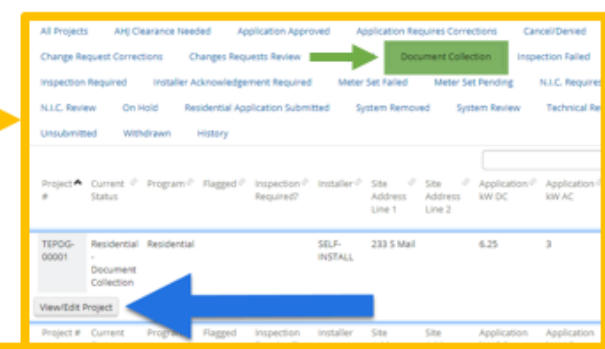
2

Once the application has been completed and submitted a Project Number is assigned and the "Application Date" is set.



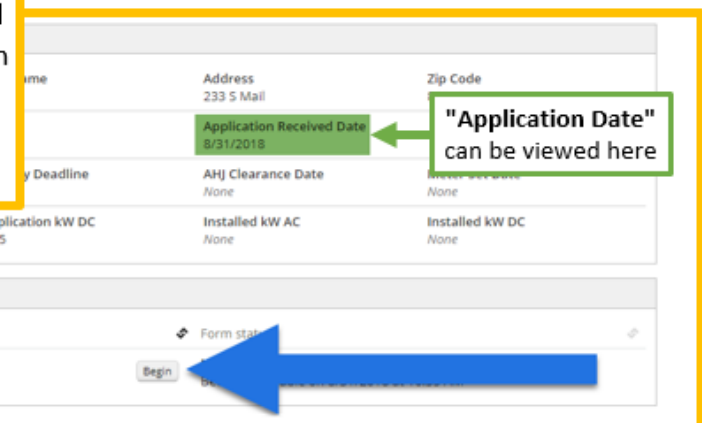
3

When drawings are complete and ready to be submitted, the Document Collection form can be accessed by selecting the "Document Collection" tab and then the "View/Edit Project" button for your project



4

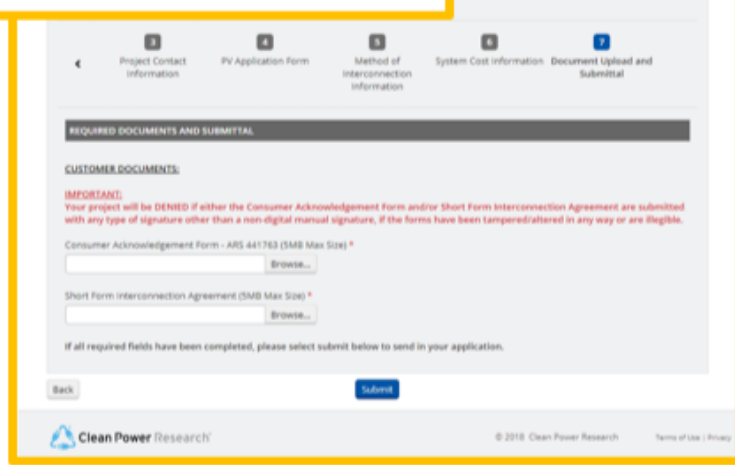
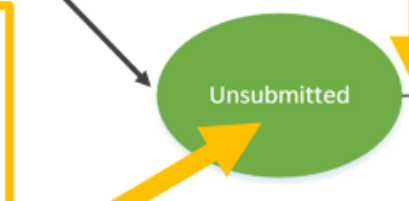
In the View/Edit menu scroll to the Available Form section and select the "Begin" button next to the Document Collection Form



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New Residential - Interconnection Application

Upon selecting the "New Residential - Interconnection Application" button a new application form will be opened and placed in the "Unsubmitted" status. Here the main application information and the **required** uploads for the Consumer Acknowledgment Form and the Short Form Interconnection Agreement can be completed.



All projects post "Residential - Application Review" will be required to go through "Residential - Drawing Review"

Project is received by TEP for Review

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The project will now be placed in a new status "Residential - Document Collection". At this status the 3 line Diagram & Plot Plan will be a **required** upload. This status also provides the opportunity to upload photos and review the previously uploaded customer documents. Please note this status is only available for **30 days**. Reminder emails will be sent 10 days and one day before the deadline. The project will be marked "Installer Withdrawn" on day 30.



Projects that require a more in depth review will move from "Residential - Drawing Review" to "Residential - Technical Review". Typically these are projects that have variance requests, line side taps, service upgrades/alterations, battery storage and self installs.

This is a new status for TEP to verify that everything is correct post any necessary "Technical Review".



Green Boxes/Ellipses - Installers Responsibility
Blue Boxes - TEP's Responsibility