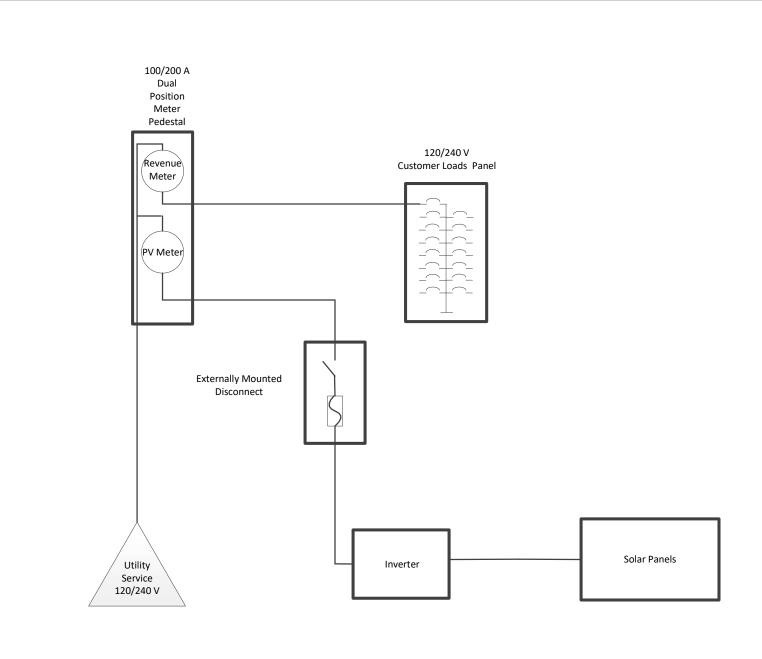
We Energies underground service - customer owned generation solar one-line diagrams

• The inverter shall be UL 1741 compliant.

Notes:

- The external disconnect shall provide a visible open between its contacts, have the ability to be locked in the open position and have 24/7 ready access for utility workers.
 - Breakers (including breakers integrated in metering equipment) and air conditioner "pull out" disconnects are not acceptable.
- If the PV Disconnect Switch is not located within sight of the Utility Meter, a placard must be placed at both the meter and disconnect switch indicating the location with respect to the other. In cases where a feeder serves generation on another building, both buildings require disconnects and placards.
- Please list the one-line diagram number (example: "U3") that is referenced on the submitted one-line diagram.
- Example one-line diagrams show the minimum required alternating current disconnects.
- One-line diagram must meet the minimum requirements of PSC 119.10
- Single phase inverters are not allowed on three phase services.
- When an updated/new one-line is submitted for review that one-line shall take precedence over all
 previous one-lines and will need to comply with the current requirements.
- By installing customer owned generation the customer/installer agree to address any existing issues with metering/service equipment to meet current requirements.
- One-line diagram should be located near metering equipment and protected from the environment as a permanent placard or in a weather tight enclosure..
 - A one-line diagram shall be posted onsite for energy storage systems or systems with multiple disconnect switches.

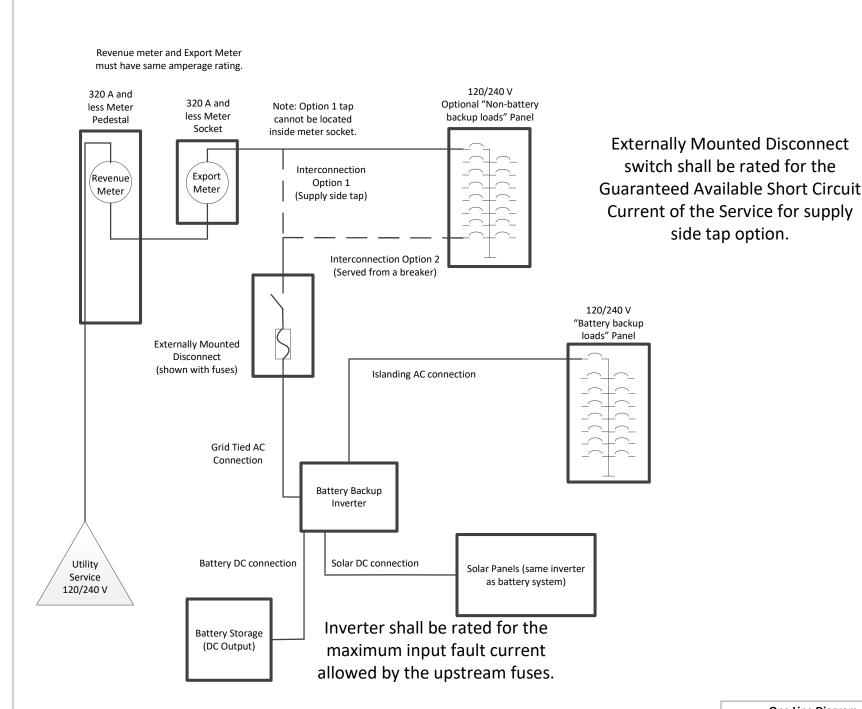


One Line Diagram – Parallel Metering – U1
Solar with a dual position meter pedestal
(200A and less, 240V 3-wire single phase service)

Drawn: N. Bushman

Date: 5/4/2023

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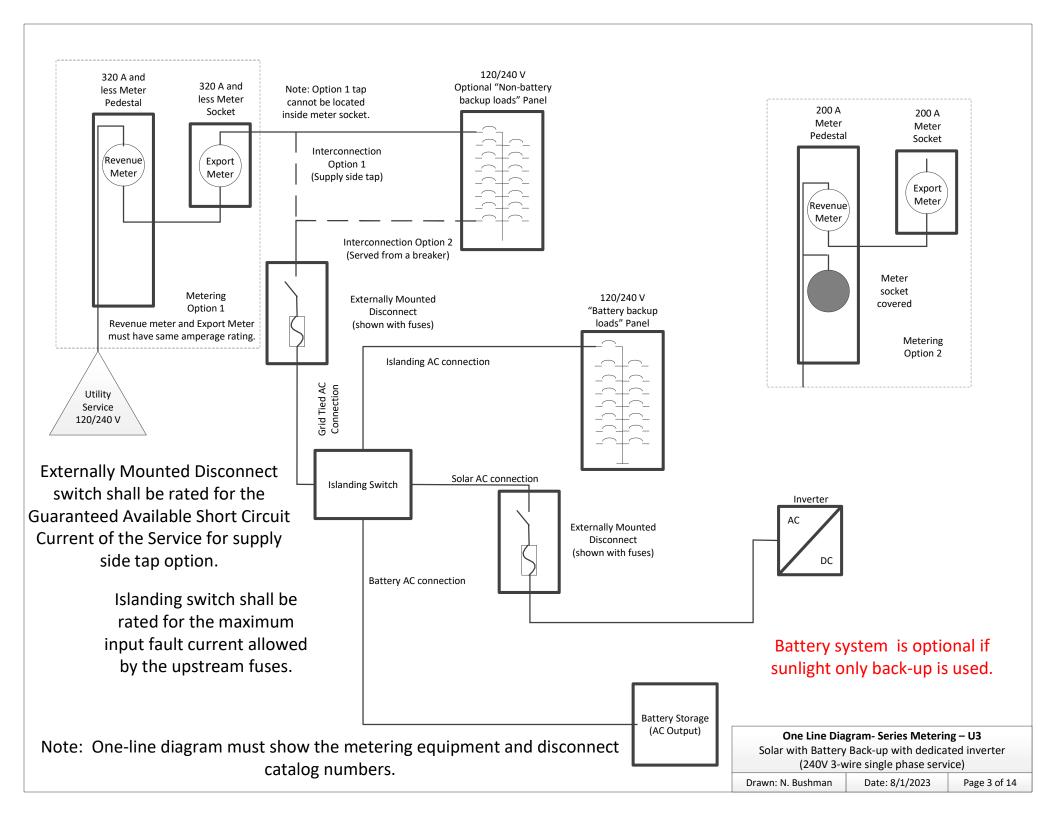


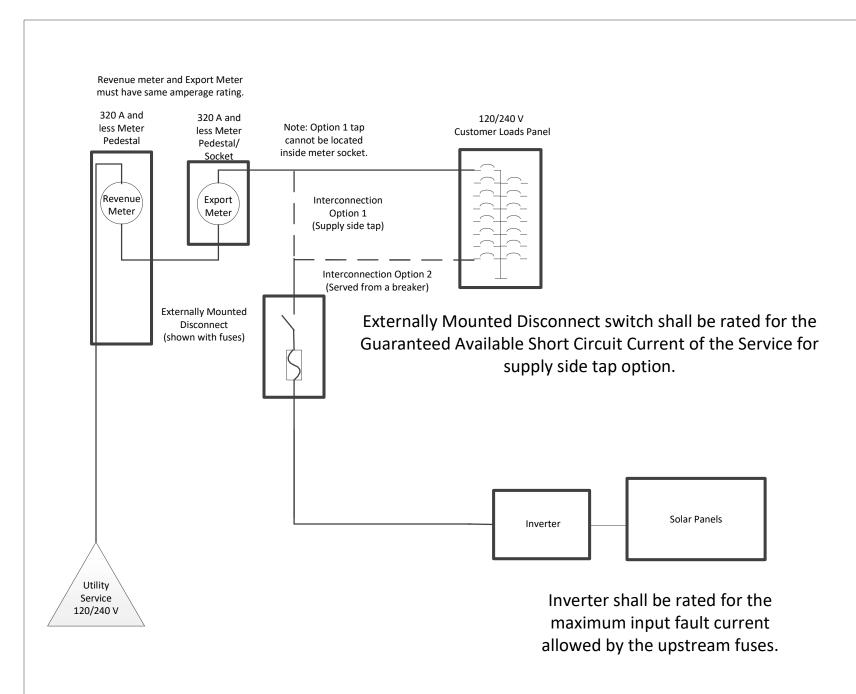
One Line Diagram – Series Metering – U2
Solar with Battery Back-up with shared inverter
(240V 3-wire single phase service)

Drawn: N. Bushman

Date: 5/4/2023

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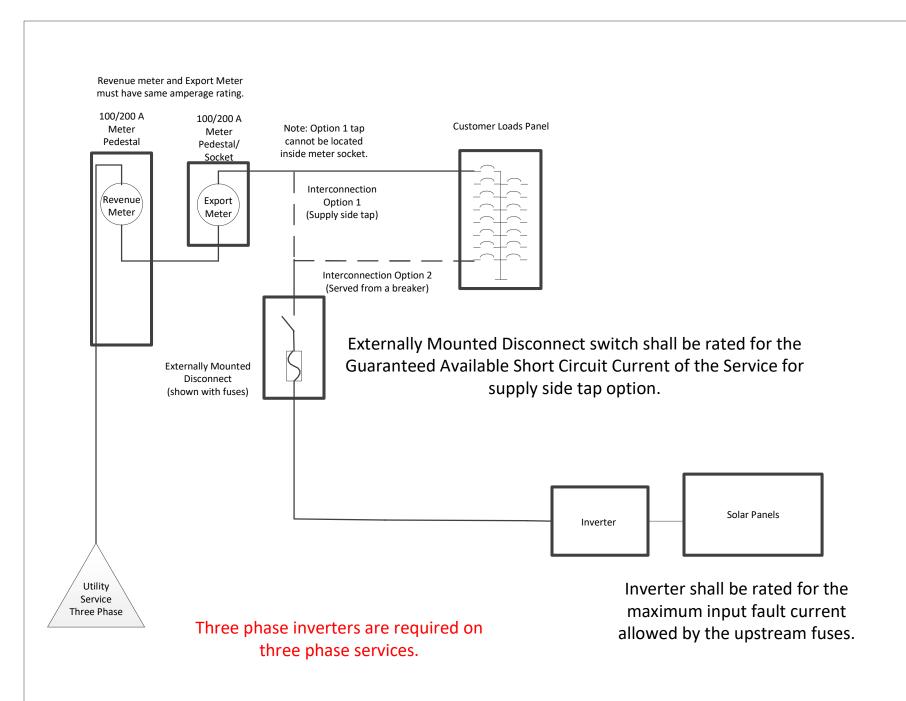


One Line Diagram – Series Metering – U4 Solar with a 320A and less meter pedestal (320A and less, 240V 3-wire single phase service)

Drawn: N. Bushman

Date: 5/4/2023

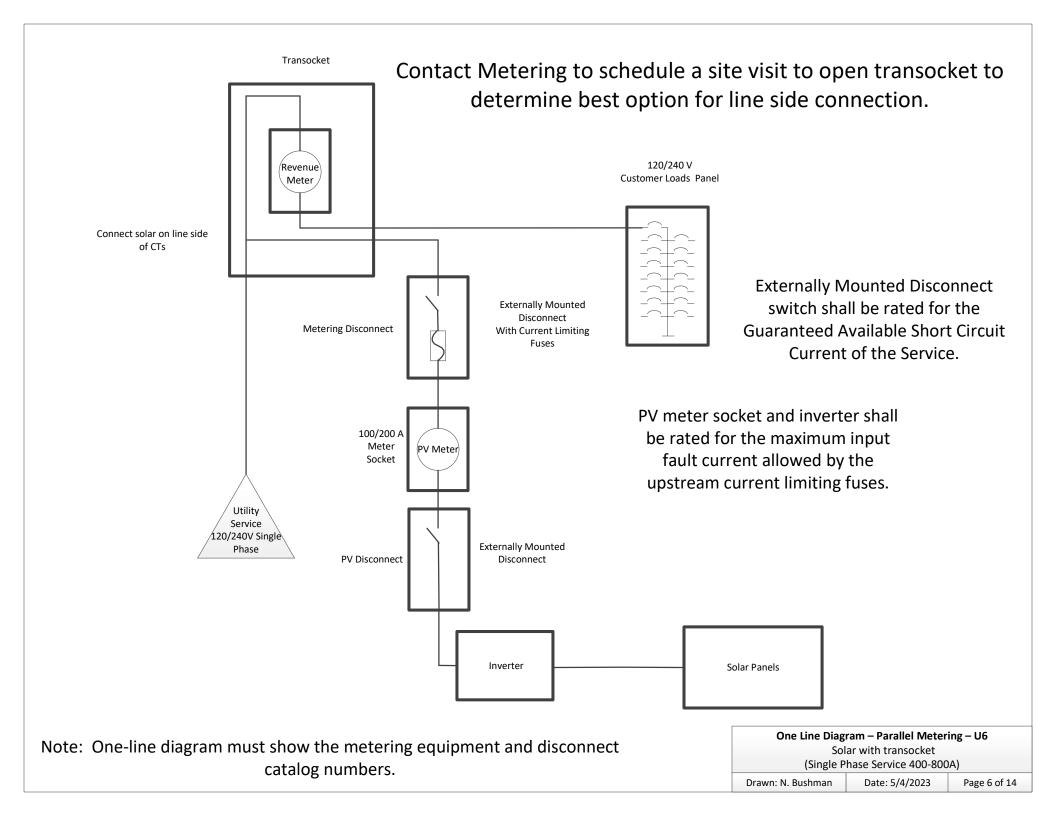
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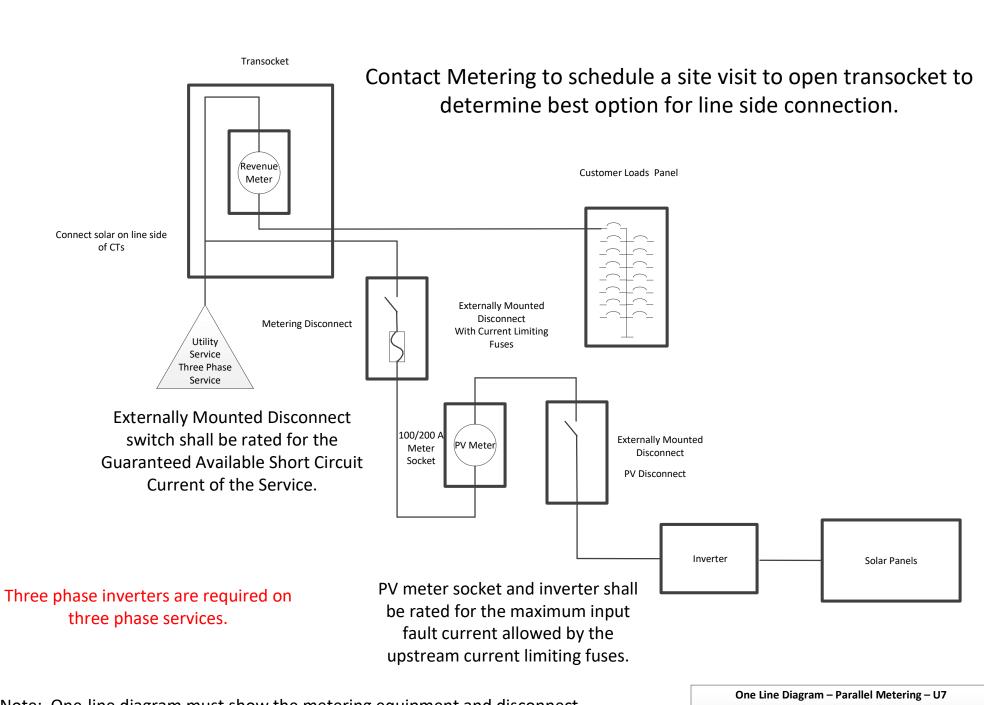


One Line Diagram – Series Metering – U5		
Three phase solar		
(Three phase 200A and less Service)		

Drawn: N. Bushman Date: 5/4/2023

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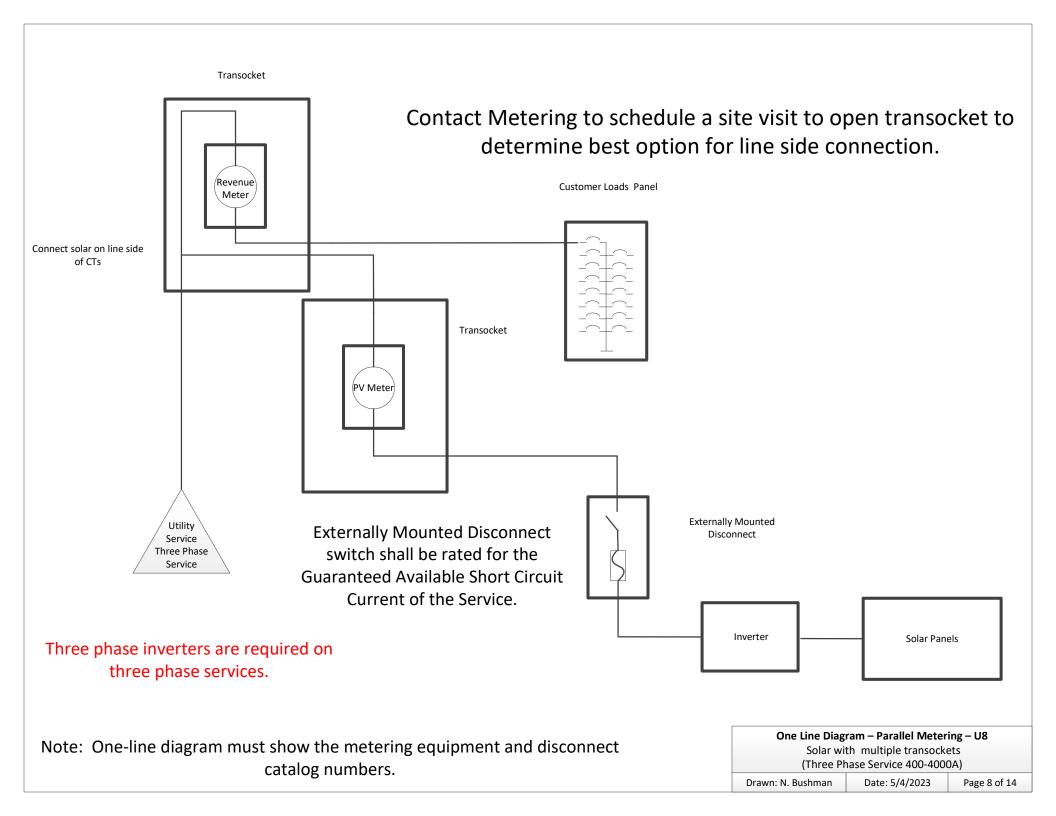


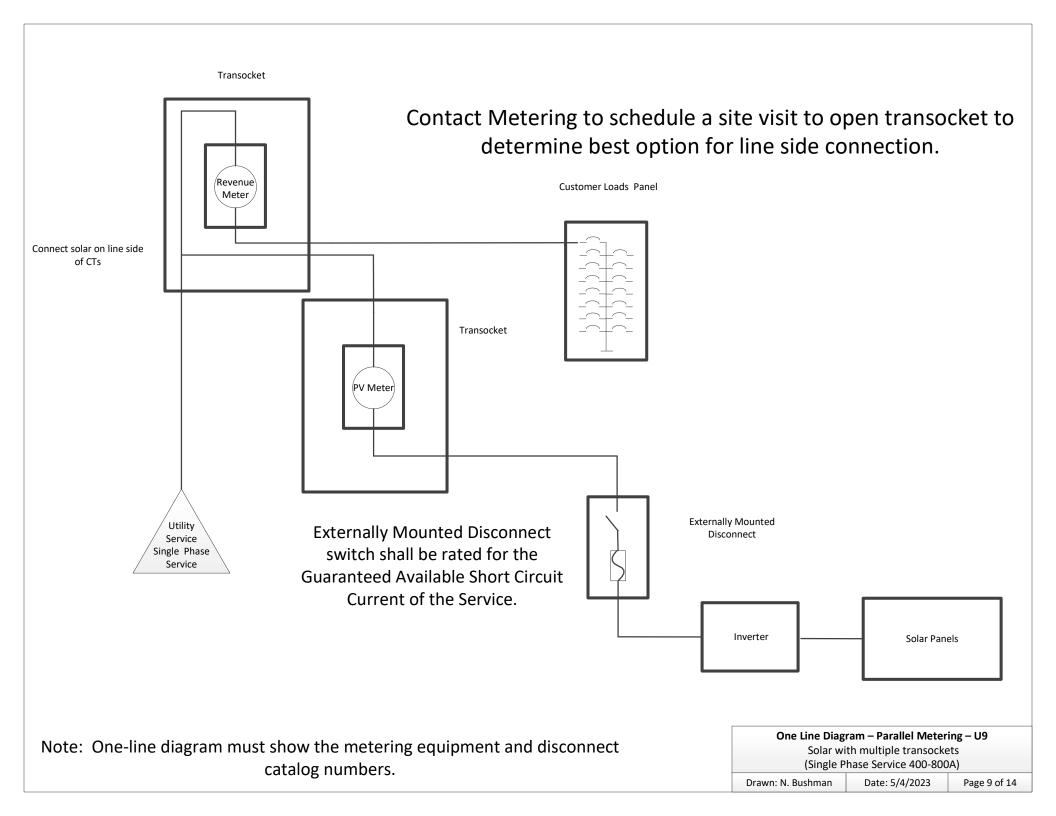
One Line Diagram – Parallel Metering – U7
Solar with transocket
(Three Phase Service 400-4000A)

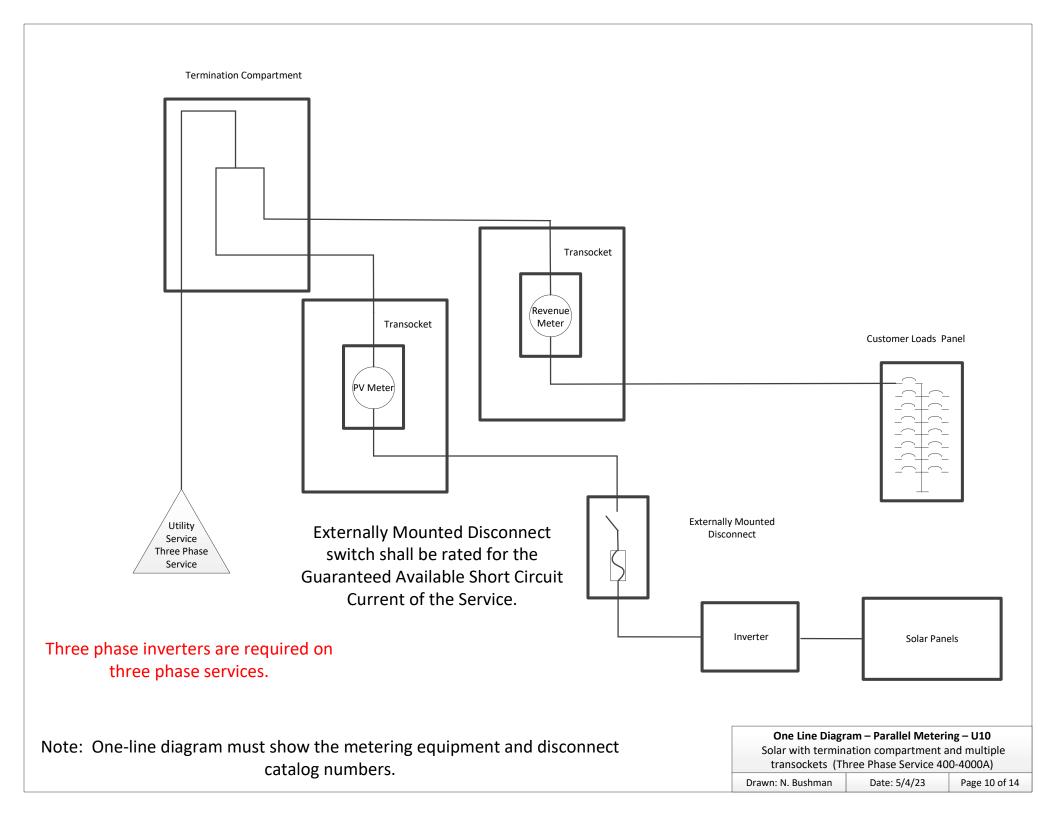
Drawn: N. Bushman

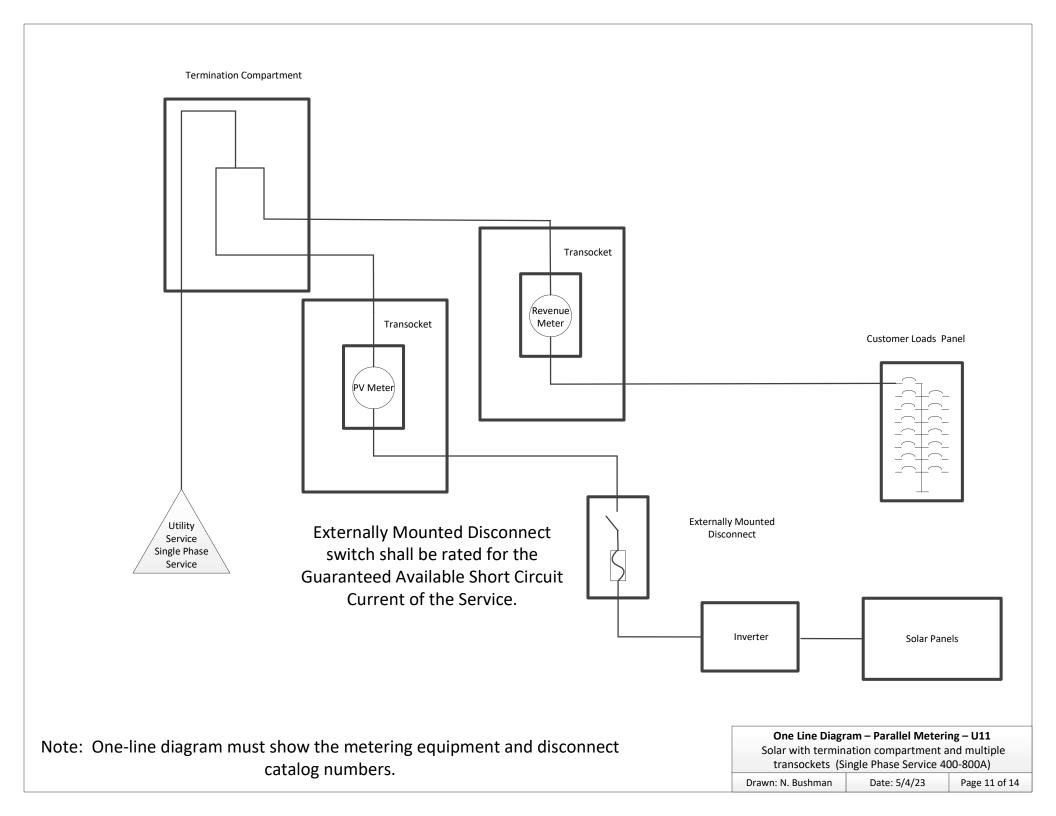
Date: 5/4/2023

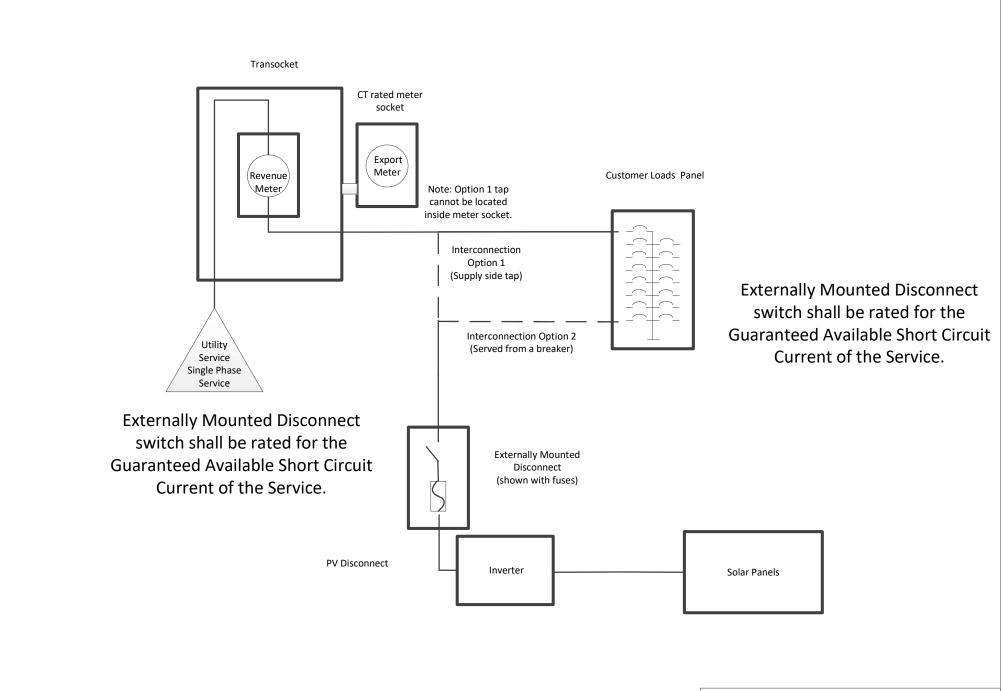
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One Line Diagram – Series Metering – U12
Solar with transocket
(Single Phase Service 400-800A)

Drawn: N. Bushman

Date: 5/4/23

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