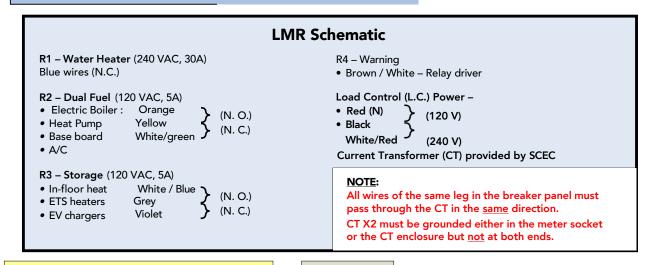
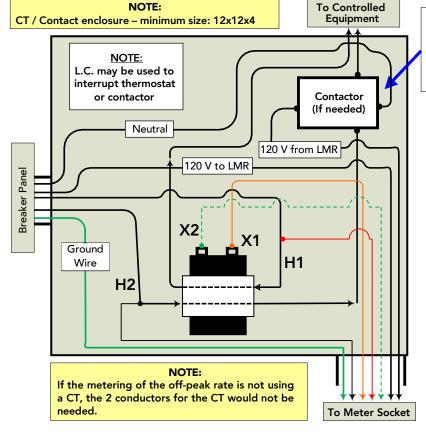
St. Croix Electric Cooperative

Wiring Diagram for Current Transformer (CT) submetering of Off-peak Electric

Contact Information: If you have any questions or other off-peak metering options, please call Member Services at 715-796-7000

Meter socket installed by member's electrical contractor.





NOTE:

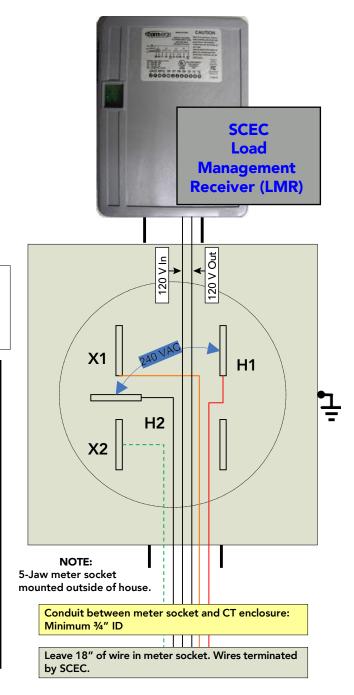
- No Contactor is needed for the Water Heater (use 30A relay in L.C.)
- Use contactors with 120 V Coils, normally open contacts

Wire sizes & colors pulled/ran by Electrician from Members panel

- 2 Blue #10 THHN (Water Heater)
- 2 Yellow #12 THHN (Dual Fuel: Electric heat / A/C)
- 2 Purple #12 THHN (Storage Heat / EV Charger)
- 2 Brown #14 THHN (Alert) [If needed]
- 1 Black (H2) 1 – Red (H1) } (240 V) #12 THHN
- 1 Orange (X1) #12 THH
- 1 Green (X2) #12 THHN

(NOTE: Check CT burden table to verify wire size)

1 – Green #12 THHN to ground meter socket



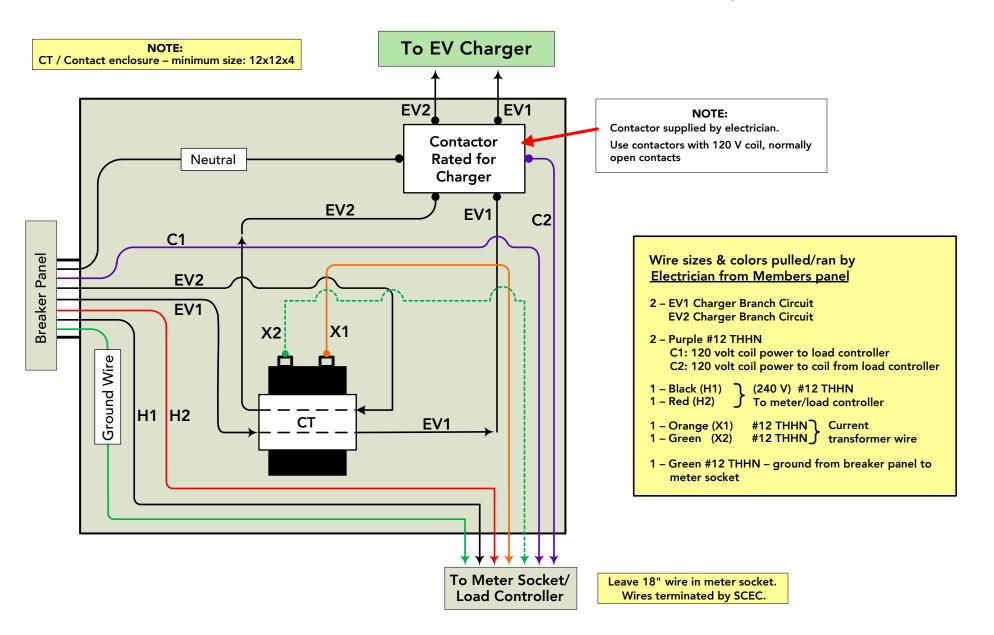
St. Croix Electric Cooperative

Wiring Diagram for Current Transformer (CT) submetering of Off-peak Electric for **EV Charger**

Contact Information:

If you have any questions or other off-peak metering options, please call Member Services at 715-796-7000

Meter socket installed by member's electrical contractor.





Off-peak (subtractive) Meter Socket – supplied by electrical contractor



Current transformer – supplied by SCEC



Example of off-peak installation – meter supplied by SCEC

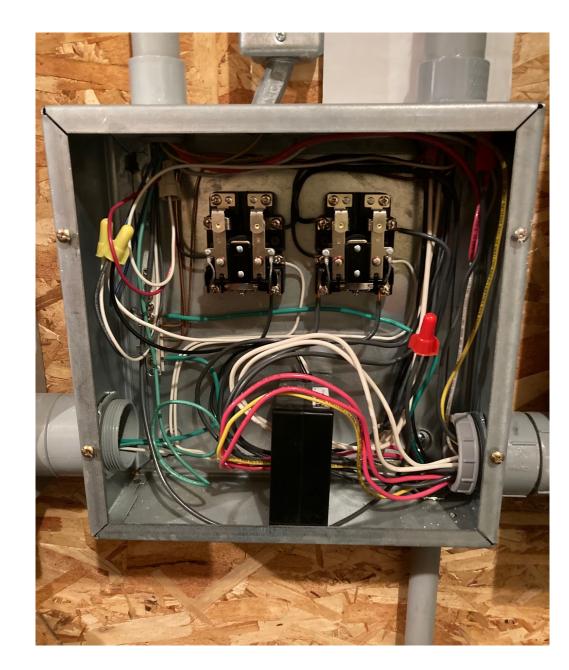
NOTES:

Meter socket needed = Mill bank MLB U748-RL or equivalent
1" Meter Hub = Millbank MLB A7514 or equivalent
1" to ¾" reducing hub
5th terminal = MLB5TK2 or equivalent

Off-peak Meter Socket provided by member's electrical contractor. Current transformer provided by SCEC and can be picked up at SCEC headquarters.

Contact Information:

If you have questions, please call Member Services at 715-796-7000.



12" x 12" Off-Peak Junction Box

Contact Information:

If you have questions, please call Member Services at 715-796-796-7000