Residential Diagram Checklist

Application #: ____________________________
Premise #: ______________________________
Date: ____________________________________

Rate Rider Requirements

1. System Size Criteria:
   a. ☐ Yes ☐ No; is the System over 10 kW DC? The Systems Total kW DC = __________
   b. ☐ Yes ☐ No ☐ N/A; if 1.a. is answered Yes; is the facility’s nameplate capacity ≤ 150% of the
      customer’s maximum one-hour peak demand over the prior twelve (12) months?
      Max One-Hour Peak Demand ____ x150% = ______
   c. ☐ Yes ☐ No ☐ N/A; is the System’s kW DC greater than 15 kW DC? If yes, does the System comply with
      one of the following electrical service limits: SES = ______
      • 200 Amp service, the maximum is 15 kW DC.
      • 400 Amp service, the maximum is 30 kW DC.
      • 600 Amp service, the maximum is 45 kW DC.
      • 800 Amp service, the maximum is 60 kW DC.
   d. ☐ Yes ☐ No; does the customer qualify for RCP?
   e. ☐ Yes ☐ No; did the customer select RCP?

Three Line Diagram

PV System

1. Diagram Review:
   a. ☐ Yes ☐ No; does the diagram omit any copyrighted, proprietary or confidential language?
   b. ☐ Yes ☐ No; does the diagram show the install address?
   c. ☐ Yes ☐ No ☐ N/A; If the system is an expansion, is the location of the connection point for the existing
      system shown?
   d. ☐ Yes ☐ No ☐ N/A; If the system contains batteries are the question details on the application answered
      accordingly?

2. Service Entrance Section (SES) Information:
   a. ☐ Yes ☐ No; the SES is labeled new or existing.
   b. ☐ Yes ☐ No; is the SES amperage, voltage, and phase shown?
   c. ☐ Yes ☐ No ☐ N/A; is the Main Breaker amperage shown?
   d. ☐ Yes ☐ No; is the PV (Backfed) Breaker amperage shown?
   e. ☐ Yes ☐ No; does the SES amperage match the application?
   f. ☐ Yes ☐ No ☐ N/A; does the Main Breaker amperage match the application?
   g. ☐ Yes ☐ No; does the PV (Backfed) Breaker amperage match the application?

3. System Utility Disconnect Switch information:
   a. ☐ Yes ☐ No; is the correct orientation shown?
   b. ☐ Yes ☐ No; is the make and model shown?
   c. ☐ Yes ☐ No; is the amperage shown?
   d. ☐ Yes ☐ No; does the make and model match the application?

4. PV Utility Production Meter Information:
   a. ☐ Yes ☐ No; is the socket make, model shown?
   b. ☐ Yes ☐ No; is the meter form number and amperage shown?

5. Inverter Information:
   a. ☐ Yes ☐ No; is the number of inverters shown?
   b. ☐ Yes ☐ No; is the make and model shown?
   c. ☐ Yes ☐ No; is the total AC kW shown?
   d. ☐ Yes ☐ No; does the number of inverters, make, model, and AC kW match the application?

6. Photovoltaic Module Information:
   a. ☐ Yes ☐ No; is the number of panels shown?
   b. ☐ Yes ☐ No; is the make and model shown?
   c. ☐ Yes ☐ No; is the total DC Wattage/kW shown?
   d. ☐ Yes ☐ No; does the number of panels, make, model, and DC wattage/kW match the application?
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For PV System with AC Coupled Battery System
☐ Check this box if section does not apply
1. PV System Metering Disconnect Switch information:
   a. Yes ☐ No □; is the correct orientation shown?
   b. Yes ☐ No □; is the make and model shown?
   c. Yes ☐ No □; is the amperage shown?
   d. Yes ☐ No □; does the make and model match the application?

For PV System with DC Coupled Battery System
☐ Check this box if section does not apply
1. PV Utility Production Meter Information:
   a. Yes ☐ No □; is the socket make, model shown?
   b. Yes ☐ No □; is the meter form number and amperage shown?
   c. Yes ☐ No □; is the production meter shown as bi-directional?

2. Backup Load Sub-Panel Meter Information:
   a. Yes ☐ No □; is the socket make, model shown?
   b. Yes ☐ No □; is the meter form number and amperage shown?
   c. Yes ☐ No □; is the production meter labeled mono/uni-directional?

3. Backup Sub-Panel Metering Disconnect Switch information:
   ☐ Check this box if section does not apply
   a. Yes ☐ No □; is the correct orientation shown?
   b. Yes ☐ No □; is the make and model shown?
   c. Yes ☐ No □; is the amperage shown?
   d. Yes ☐ No □; does the make and model match the application?

Site Plan Drawing

1. Drawing Review
   a. Yes ☐ No □; does the drawing omit any copyrighted, proprietary, or confidential language?
   b. Yes ☐ No □; is the install address shown?

2. Notes
   a. Yes ☐ No □; are these required notes shown?
      • 24hr Unrestricted Access Notes
      • Workspace Notes
      • Meter Separation from Gas/Water Notes

3. Labels
   a. Yes ☐ No □; are the following Utility equipment clearly labeled:
      • Billing Meter & SES
      • PV Utility Production Meter (New and/or existing)
      • System Utility Disconnect Switch (New and/or existing)
      • PV System Metering Disconnect Switch (AC Coupled Battery Only)
      • Backup Sub-panel meter disconnect switch (DC Coupled Battery Only)
      • Backup load Sub-panel meter (DC Coupled Battery Only)
   b. Yes ☐ No □; is the following equipment clearly labeled:
      • Inverter(s) (New and/or existing)
      • Photovoltaic Modules (New and/or existing)
      • Sub-panel with Backfed breaker (if applicable)
      • Battery(s) (if applicable)
   c. Yes ☐ No ☐ N/A □; are the following structures clearly labeled:
      • Carport
      • Breezeway
      • Patio
      • Porch
      • Any other structures
   d. Yes ☐ No □; are the following items clearly labeled?
      • Gates
      • Fences
      • Any other items that would create obstructions on the property
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e. □ Yes □ No □ N/A; if 3.d.is answered No; does the drawing show a note stating no fences or gates or obstructions?

f. □ Yes □ No; is the street clearly labeled and shown?

g. □ Yes □ No; is driveway clearly labeled and shown?

4. Access to Equipment

a. □ Yes □ No; does APS have 24 hour unrestricted access to APS required Utility Disconnect Switch(s) and Utility Production Meter(s)?

Comments:

[status] [initials] [date]