The following criteria may require further review:

1. Complex systems that do not fit APS Sample Drawings.
2. Backup generation (Separate Service)
3. Customer’s utilizing new technologies (e.g., gateways, power controllers, etc.)
4. Large 100kW+ systems, and Systems over 100kW requiring a study (supplemental review, feasibility study, System impact study, etc.)
5. Abnormal interconnection points that are not the typical load/supply side connection (e.g., Center fed panels)

Three Line Diagram

Generating Facility System

1. Diagram Review:
   a. Yes No; does the diagram omit any copyrighted, proprietary or confidential language?
   b. Yes No □ N/A; (Commercial Only) are diagrams P.E. Stamped?
   c. Yes No; does the diagram install address match the application?
   d. Yes No □ N/A; if the system is an expansion, is the location of the connection point for the existing system shown?
   e. Yes No; does the diagram show a Supply Side Tap in the SES? If yes, a letter from the Panel Manufacturer stating the tap does not violate the UL Listing is required or a field evaluation letter from an authorized NRTL program provider. NRTL providers: https://www.osha.gov/nationally-recognized-testing-laboratory-program/current-list-of-nrtls.
   f. Yes No; if a tap is shown, is it identified correctly on the application?

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?
   h. Yes No; does the inverter voltage rating match the SES voltage (For Commercial Applications)?
   i. Yes No □ N/A; if h. is answered No, does the diagram show a transformer to convert the voltage to match (For Commercial Applications)?

3. System Utility and Meter Disconnect Switch(s) 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; is the new/existing disconnect label shown correctly (Utility Disconnect, Meter Disconnect, 1 of X, etc.)?
   e. Yes No; does the make and model match the application?

4. Production Meter(s) Information:
   a. Yes No; is the socket make, model shown?
   b. Yes No; is the meter form number, ring type, and amperage shown?
   c. Yes No; is the new/existing meter label shown correctly (Bi-Directional, Uni-Directional, 1 of X, etc.)?

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 AC kW rating of each individual inverter provided on the drawing?
   d. Yes No; is the total AC kW of the proposed system shown?
   e. Yes No; does the number of inverters, make, model, and AC kW match the application?
Diagram Checklist

6. **Photovoltaic Module Information:**
   d. □ Yes □ No; is the number of panels shown?
   e. □ Yes □ No; is the make and model shown?
   f. □ Yes □ No; is the total DC Wattage/kW shown?
   g. □ Yes □ No; does the number of panels, make, model, and DC wattage/kW match the application?

**Site Plan Drawing**

1. **Drawing Review**
   f. □ Yes □ No; does the drawing omit any copyrighted, proprietary, or confidential language?
   g. □ Yes □ No; is the site address match the application?

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

3. **Labels**
   • □ Yes □ No; are the following Utility equipment clearly labeled:
     • Billing Meter & SES
     • PV/ESS Production Meter(s) (New and/or existing)
     • System Utility Disconnect Switch(es) (New and/or existing)
     • PV/ESS System Metering Disconnect Switch(es)
     • Backup Sub-panel meter disconnect switch(es)
     • Backup load Sub-panel meter(s)

   b. □ Yes □ No; is the following equipment clearly labeled:
      • Inverter(s) (New and/or existing)
      • Photovoltaic Modules (New and/or existing)
      • Sub-panel(s) with Backfed breaker (if applicable)
      • Energy Storage (if applicable)?
      • Existing system: Disconnects & PV Modules (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

   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)?
   b. □ Yes □ No; is APS route to equipment clearly shown?

Review Complete.