Diagram	Checklist
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Application #:	
Premise #:	
Date:	
The following cri	teria 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.	a. b. c. d.	rigram Review:	
2.	a. b. c. d. e. f. g.	rvice Entrance Section (SES) Information:  Yes No; the SES is labeled new or existing.  Yes No; is the SES amperage, voltage, and phase shown?  Yes No; is the PV (Backfed) Breaker amperage shown?  Yes No; does the SES amperage match the application?  Yes No; does the Main Breaker amperage match the application?  Yes No; does the PV (Backfed) Breaker amperage match the application?  Yes No; does the PV (Backfed) Breaker amperage match the application?  Yes No; does the inverter voltage rating match the SES voltage (For Commercial Applications)?  Yes No No; does the inverter voltage rating match the SES voltage (For Commercial Applications)?	
3.	a. b. c. d.	Stem Utility and Meter Disconnect Switch(s) information:  Yes No; is the correct orientation shown?  Yes No; is the make and model shown?  Yes No; is the amperage shown?  Yes No; is the new/existing disconnect label shown correctly (Utility Disconnect, Meter Disconnect, 1 of X, etc.)?  Yes No; does the make and model match the application?	
4.	a. b.	duction Meter(s) Information:  ☐ Yes ☐ No; is the socket make, model shown? ☐ Yes ☐ No; is the meter form number, ring type, and amperage shown? ☐ Yes ☐ No; is the new/existing meter label shown correctly (Bi-Directional, Uni-Directional, 1 of X, etc.)?	
5.	a. b. c. d.	rerter Information:  ☐ Yes ☐ No; is the number of inverters shown? ☐ Yes ☐ No; is the make and model shown? ☐ Yes ☐ No; is the AC kW rating of each individual inverter provided on the drawing? ☐ Yes ☐ No; is the total AC kW of the proposed system shown? ☐ Yes ☐ No; does the number of inverters, make, model, and AC kW match the application?	



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 P	<u>lan Drawing</u>
1.	<b>Drawing Review</b> 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.	<ul> <li>Labels</li> <li>Yes ☐ No; are the following Utility equipment clearly labeled:</li> <li>Billing Meter &amp; SES</li> <li>PV/ESS Production Meter(s) (New and/or existing)</li> <li>System Utility Disconnect Switch(es) (New and/or existing)</li> <li>PV/ESS System Metering Disconnect Switch(es)</li> <li>Backup Sub-panel meter disconnect switch(es)</li> <li>Backup load Sub-panel meter(s)</li> </ul>
	<ul> <li>b. Yes No; is the following equipment clearly labeled:</li> <li>Inverter(s) (New and/or existing)</li> <li>Photovoltaic Modules (New and/or existing)</li> <li>Sub-panel(s) with Backfed breaker (if applicable)</li> <li>Energy Storage (if applicable)?</li> <li>Existing system: Disconnects &amp; PV Modules (if applicable)?</li> </ul>
	<ul> <li>c. Yes No N/A; are the following structures clearly labeled:</li> <li>Carport</li> <li>Breezeway</li> <li>Patio</li> <li>Porch</li> <li>Any other structures</li> </ul>
	<ul> <li>d. Yes No; are the following items clearly labeled?</li> <li>Gates</li> <li>Fences</li> <li>Any other items that would create obstructions on the property</li> </ul>
	<ul> <li>e.  Yes No N/A; if 3.d.is answered No; does the drawing show a note stating no fences or gates or obstructions?</li> <li>f. Yes No; is the street clearly labeled and shown?</li> <li>g. Yes No; is driveway clearly labeled and shown?</li> </ul>
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.**