Residential Installer Checklist
(Photovoltaic/Wind Installer Checklist utilizing Static Inverter(s))

APS Application # (If applicable)		APS Customer of Record	
APS Customer Site Address			

		YES	N/A
1.0	**System Sizing**		
1.1	Is back-fed breaker or other Over-Current Protective Devices (OCPDs) sized appropriately for the inverter(s), system voltage and labeled per APS Labeling Requirements? (Verify OCPDs are rated ≥ 125% of inverter's AC Current Output)	☐	
1.2	Sum of source breakers does not exceed 120% of SES rating per NEC and shall be positioned at the opposite (load) end from the input feeder location or main circuit location?	☐	
1.3	If main breaker (or other OCPD) de-rated to meet NEC requirements, is it properly labeled/identified as de-rated in the field per APS Labeling Requirements?	☐	☐
1.4	Are AC conductors (from Static Inverter(s) to SES) sized appropriately? Is all AC equipment rated appropriately (voltage and current rating)?	☐	
2.0	**Production Meters ("Photovoltaic/Wind System Meter")**		
2.1	Verify Generating Facility (GF) Production Meter: Voltage, Current Rating, Form Number, and socket type are correct. *Refer to Section 300 of the APS ESRM (www.aps.com/esrm).*	☐	
2.2	Is the meter socket rated appropriately for the potential fault current?	☐	
2.3	Verify GF Production Meter Enclosure is not used as a raceway for wiring to other components.	☐	
2.4	Is the Production Meter labeled per APS Labeling Requirements?	☐	
2.5	Was a Production test Meter installed, proper wiring was verified, and proper meter rotation (flow of electricity) validated?	☐	
2.6	Is a meter cover or test meter installed and properly sealed over the Production Meter socket? *Note: Meter covers shall be made of fiberglass, plastic, glass and/or Plexiglas material (Cardboard isn't allowed). If test meter installed at the GF, it will be exchanged per the existing APS meter set/inspection process.*	☐	
3.0	**Photovoltaic/Wind System Utility Disconnect Switch**		
3.1	Is the Utility Disconnect Switch installed in accordance with Section 8.2 of the APS Interconnection Requirements and properly labeled per APS Labeling Requirements?	☐	
3.2	Are the fixed jaws of the Utility Disconnect Switch on the utility (line) side of the switch?	☐	
3.3	Is the Utility Disconnect Switch rated for the potential fault current?	☐	
3.4	Associated neutral conductor is not switched?	☐	
4.0	**Grounding**		
4.1	Is Equipment Grounding Conductor (EGC) installed and connected to the enclosure on all equipment per NEC requirements?	☐	
4.2	Is Grounding Electric Conductors (GEC) sized and installed appropriately per NEC and APS Requirements? *NOTE: GEC may not be required for "Transformerless" inverters.*	☐	☐
4.3	If the EGC/GEC is combined is the installation installed per NEC Requirements?	☐	☐

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5.0	**Miscellaneous**		
5.1	If an AC Combiner box is installed to accommodate multiple Static Inverters tied into one back-fed OCPD, is the combiner box labeled per APS Labeling Requirements?	☐	☐
5.2	If installer has provided and installed a leasing company/3rd Party Production Meter, is the meter properly identified and labeled **"Leasing Company PV [or Wind] Production Meter"?** *Note: 3rd party metering shall be installed on the generator/inverter side of APS' Production Meter.*	☐	☐
5.3	Equipment as required per NEC is identified and listed for the application (i.e Static Inverters listed per UL Standard 1741 & Photovoltaic Modules listed per UL Standard 1703)?	☐	
5.4	Static Inverter(s) shall be capable of operating within Tolerable Service Voltage (Range B) as defined by ANSI C84.1-2011 (e.g. for a 120/240V System Range B is 220V – 254V)	☐	
6.0	**APS Access**		
6.1	Are all AC Photovoltaic/Wind system components located in a Readily Accessible place per APS Requirements (available on a 24-hr basis) so as to provide safe (no tripping hazards, animals or other obstructions) unrestricted and unimpeded access to APS Personnel? **NOTE: Shall not be installed behind a gate or fence.**	☐	
6.2	Is workspace and clearance in front of all AC Photovoltaic/Wind System Components per APS and NEC Requirements? *For APS Requirements, Refer to Section 300 of the APS ESRM (www.aps.com/esrm) & Section 8.2 of the APS Interconnection Requirements*	☐	
6.4	In the event that an equipment room is provided to accommodate AC Photovoltaic/Wind System Components, is APS access to equipment room from the outside of building only? *Note: refer to Section 301.9 of the APS ESRM.*	☐	☐

Installer certifies that the Generating Facility is in accord with all APS Requirements (i.e. ESRM and Interconnection Requirements for Distributed Generation), the National Electric Code (NEC), all applicable building and safety codes, and local permitting requirements. Additionally, the system is installed per the design drawings submitted to APS for review/acceptance.

Signature: _____

Name (print please): _____

Title: _____

Date Signed: _____