

To reduce the time it takes to review and process your application, please use the following check-sheets and examples to verify your application is ready to be submitted to IID.

Once you have verified your application is ready to be submitted using the following check-sheets, please email all required documents to solar@iid.com (If you are submitting this as part of the Milestone Stage in IID’s PV/Solar Solutions rebate program, all documents must be uploaded to Power Clerk).

1	Verify package is complete: <ul style="list-style-type: none"> • One-line diagram • Site-plan diagram • Application for Interconnection: <ul style="list-style-type: none"> ○ if < 10 kW: one-page Application for Interconnection ○ if ≥ 10 kW: Rule 21 Application • Bill of Materials • AC Disconnect cut sheet • Inverter manual • NEM Agreement • CSP Application 	7	Verify Bill of Materials (BOM) is complete & matches all other documents
		8	Verify a Net Energy Metering (NEM) Agreement is completed correctly and completely (including correct account and meter numbers, correct site address, person-who-signs’ name is on IID account) and signed and dated by host customer on page 7 and Appendix B.
2	Verify the following are correct on all documents: <ul style="list-style-type: none"> • host customer name (must be on IID account) • site address • contract account number • IID meter number 	9	Verify a Customer Service Proposal (CSP) Application is completed correctly. Please use instructions included in the CSP Application.
3	Verify installer’s contractor’s license (CSLB) is current (A, B, C-10, or C-46). https://www2.cslb.ca.gov/onlineservices/checklicense/checklicense.aspx	10	Verify solar panels: <ul style="list-style-type: none"> • Are CEC approved: www.gosolarcalifornia.org
4	Application for Interconnection: <ul style="list-style-type: none"> • If project is < 10 kW: verify the one-page Application for Interconnection is completed correctly. • If project is ≥ 10 kW: use the Rule 21 check-sheet below to verify the Rule 21 Application for Interconnection is completed and meets requirements. 	11	Verify inverter(s): <ul style="list-style-type: none"> • Is CEC approved: www.gosolarcalifornia.org • A copy of the correct Inverter Manual(s) to submit as part of the application package.
5	Use “Electrical One-Line Diagram Check Sheet” and example one-line diagram below to verify the one-line diagram meets requirements.	12	Verify AC Safety Disconnect: <ul style="list-style-type: none"> • Meets IID’s Rule 21 standard (all interconnections) • A copy of the AC Disconnect cut sheet to submit as part of the application package.
6	Use “Site-Plan Diagram Check Sheet” and example site-plan below to verify the site-plan diagram meets requirements.	13	Once all required documents are complete and verified correct using this check-sheet, to submit application for interconnection, please email all documents to solar@iid.com

Please verify your one-line is ready to submit by using this check-sheet and the example one-line below.

1	<p>General:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Diagram is legible and all text and symbols are visible (not obscuring each other). Hand-drawn drawings will not be accepted. <input type="checkbox"/> Diagram is a <u>one</u>-line diagram (three-line diagrams are not accepted) <input type="checkbox"/> The following are included on the diagram: <ul style="list-style-type: none"> <input type="checkbox"/> System summary, system size DC, system size CEC-AC <input type="checkbox"/> Drawing number <input type="checkbox"/> Version & date <input type="checkbox"/> Customer information, including site address <input type="checkbox"/> Contractor information <input type="checkbox"/> Stamped with local permit jurisdiction approval (AHJ) <input type="checkbox"/> Electrical PE stamp (<u>required if ≥ 10 kW</u>) <input type="checkbox"/> Verify the host customer & site address, and meter number are correct and match other documents. 	7	<p>Verify Service Panel:</p> <ul style="list-style-type: none"> <input type="checkbox"/> connectivity lines correctly illustrate the electrical relationships <input type="checkbox"/> correct symbols (see example drawing below) <input type="checkbox"/> Ampacity <input type="checkbox"/> AIC rating <input type="checkbox"/> Voltage <input type="checkbox"/> Number of wires <input type="checkbox"/> Number of phases <input type="checkbox"/> Specify which phase(s) (if applicable) <input type="checkbox"/> Main and Solar breaker ratings are shown
2	<p>Verify all the electrical components are visible and properly connected to each other (must be consistent with Site-Plan and Bill of Materials (BOM)):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Main and sub-panels (if applicable) <input type="checkbox"/> inverter(s) <input type="checkbox"/> AC disconnect <input type="checkbox"/> IID meter <input type="checkbox"/> IID transformer, and <input type="checkbox"/> If applicable: switchgear, customer transformer, non-PV components <input type="checkbox"/> Connectivity lines correctly illustrate the electrical relationships between components <input type="checkbox"/> Wire sizes are shown (including ground wires) 	8	<p>Verify for line-side tap:</p> <ul style="list-style-type: none"> <input type="checkbox"/> connectivity lines correctly illustrate the electrical relationships <input type="checkbox"/> Net Generation Output Meter (NGOM) <input type="checkbox"/> sub-panel or junction box
3	<p>Verify solar panel information is shown & matches Site-Plan and BOM for each array:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Number of panels <input type="checkbox"/> Total DC output of array <input type="checkbox"/> Brand and model number <input type="checkbox"/> CEC-AC rating (watts) 	9	<p>Verify IID meter:</p> <ul style="list-style-type: none"> <input type="checkbox"/> connectivity lines correctly illustrate the electrical relationships <input type="checkbox"/> correct bi-directional meter one-line symbol <input type="checkbox"/> existing IID meter number and number and the text: "Proposed Bi-Directional meter _____" (see example one-line below) <input type="checkbox"/> secondary metering PTs and CTs (if applicable) <input type="checkbox"/> primary metering PTs and CTs (if applicable)
4	<p>Verify inverter(s) information is shown & matches Site-Plan and BOM:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Brand and model <input type="checkbox"/> Capacity 	10	<p>Verify stand-by generator (if applicable):</p> <ul style="list-style-type: none"> <input type="checkbox"/> connectivity lines correctly illustrate the electrical relationships <input type="checkbox"/> brand and model <input type="checkbox"/> correct symbols <input type="checkbox"/> capacity <input type="checkbox"/> voltage <input type="checkbox"/> phase <input type="checkbox"/> Automatic Transfer Switch (ATS) ampacity <input type="checkbox"/> Manual Transfer Switch (MTS) ampacity <input type="checkbox"/> subpanel
5	<p>Verify AC Safety Disconnect info is shown & matches Site-Plan and BOM:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Capacity <input type="checkbox"/> Brand <input type="checkbox"/> Model 		
6	<p>Verify for load-side tap:</p> <ul style="list-style-type: none"> <input type="checkbox"/> connectivity lines correctly illustrate the electrical relationships <input type="checkbox"/> breaker and rating shown <input type="checkbox"/> sub-panel or junction box shown (if applicable) 		

Site-Plan Check-Sheet

Date Reviewed: _____

Please verify your site-plan is ready to submit by using this check-sheet and the example site-plan below.

1	<p>General:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Diagram is legible and all text and symbols are visible (not obscuring each other). Hand-drawn drawings will not be accepted. <input type="checkbox"/> The following are included on the diagram: <ul style="list-style-type: none"> <input type="checkbox"/> System summary, system size DC, system size CEC-AC <input type="checkbox"/> Drawing number <input type="checkbox"/> Version & date <input type="checkbox"/> Customer information, including site address <input type="checkbox"/> Contractor information <input type="checkbox"/> Stamped with local permit jurisdiction approval (AHJ) <input type="checkbox"/> Electrical PE stamp (<u>required if ≥ 10 kW</u>) <input type="checkbox"/> Verify the host customer & site address, and meter number are correct and match other documents. 	6	<p>Verify for load-side tap:</p> <ul style="list-style-type: none"> <input type="checkbox"/> connectivity lines correctly illustrate the electrical relationships <input type="checkbox"/> sub-panel or junction box
		7	<p>Verify Service Panel:</p> <ul style="list-style-type: none"> <input type="checkbox"/> connectivity lines correctly illustrate the electrical relationships <input type="checkbox"/> correct symbols (see example drawing below) <input type="checkbox"/> Ampacity <input type="checkbox"/> AIC rating <input type="checkbox"/> Voltage <input type="checkbox"/> Number of wires <input type="checkbox"/> Number of phases <input type="checkbox"/> Specify which phase(s) (if applicable) <input type="checkbox"/> Solar breaker rating is shown
2	<p>Verify all the electrical components are visible and properly connected to each other (must be consistent with One-line and Bill of Materials (BOM)):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Main and sub-panels (if applicable) <input type="checkbox"/> inverter(s) <input type="checkbox"/> AC disconnect <input type="checkbox"/> IID meter <input type="checkbox"/> IID transformer, and <input type="checkbox"/> If applicable: switchgear, customer transformer, non-PV components <input type="checkbox"/> Connectivity lines correctly illustrate the electrical relationships between components (if needed) 	8	<p>Verify for line-side tap:</p> <ul style="list-style-type: none"> <input type="checkbox"/> connectivity lines correctly illustrate the electrical relationships <input type="checkbox"/> Net Generation Output Meter (NGOM) <input type="checkbox"/> sub-panel or junction box
		9	<p>Verify IID meter:</p> <ul style="list-style-type: none"> <input type="checkbox"/> connectivity lines correctly illustrate the electrical relationships <input type="checkbox"/> existing IID meter number and number and the text: "Proposed Bi-Directional meter _____" (see example site-plan below)
3	<p>Verify solar panel information is shown & matches One-line and BOM):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Number of panels <input type="checkbox"/> Brand and model number 	10	<p>Verify stand-by generator (if applicable):</p> <ul style="list-style-type: none"> <input type="checkbox"/> connectivity lines correctly illustrate the electrical relationships <input type="checkbox"/> brand and model <input type="checkbox"/> capacity <input type="checkbox"/> voltage <input type="checkbox"/> phase <input type="checkbox"/> Automatic Transfer Switch (ATS) Ampacity <input type="checkbox"/> Manual Transfer Switch (MTS) Ampacity <input type="checkbox"/> subpanel
4	<p>Verify inverter(s) information is shown & matches Site-Plan and BOM):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Brand <input type="checkbox"/> Model <input type="checkbox"/> Capacity 		
5	<p>Verify AC Safety Disconnect info is shown & matches Site-Plan and BOM):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Brand <input type="checkbox"/> Model <input type="checkbox"/> Verify meets Rule 21 & NEM Requirements, (including: it is within 15' of service meter panel and within plain site of meter). 		

Rule 21 Check-Sheet (systems 10 kW and Larger)

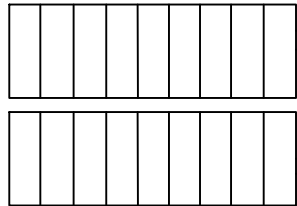
Customer	Customer Name & Address
Output rating	KW _{AC}
Date	

Rule 21 Application

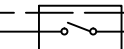
PART	SECTION	Notes	
3	A	Operating mode option mark	
	B	Agreement option mark	
		Maximum kW	
	C	Protection option mark	
		Continues current rating	
		Minimum load of customer facility	
	D	Maximum fault current contributed by GF at PCC	
Short circuit interrupting rating service panel			
E	How this Generating Facility will be operated option mark		

4	A	Generator/Inverter Manufacturer (Name)	
	B	Generator/Inverter Model (Name/Number)	
	C	Generator/Inverter Software Version (Number)	
	D	Is the Generator Certified	
	E	Generator Type	
	F	Gross Nameplate Rating (KVA)	
	G	Gross Nameplate Rating (KW)	
	H	Net Nameplate Rating (KW)	
	I	Operating Voltage	
	J	Power Factor Rating (%)	
	K	PF Adjustment Range (%)	
	L	Wiring Configuration	
	M	Three-Phase Winding Configuration	
	N	Neutral Grounding System Used	
	O	Synchronous Reactance	
		Transient Reactance	
		Subtransient Reactance	
	P	Locked rotor current	
		Stator Resistance	
		Stator Leakage Reactance	
Rotor Resistance			
Q	Rotor Leakage Reactance		
	Short Circuit Current Produced by Generator		
R	In-Rush Current		
	Continuous Current Rating		
S	Prime Mover Type		

PV ARRAY
 NUMBER OF MODULES.
 TOTAL OF MODULES
 BRAND AND MODEL NUMBER
 PTC=WATTS



BRAND AND MODEL



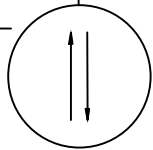
WIRE SIZE



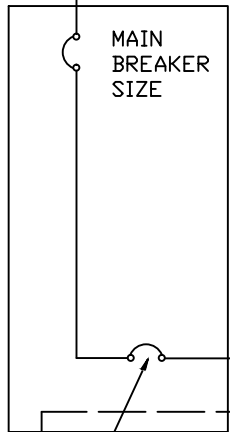
PV ARRAY
 NUMBER OF MODULES.
 TOTAL OF MODULES
 BRAND AND MODEL NUMBER
 PTC=WATTS

BRAND AND MODEL

EXISTING METER
 NUMBER
 PROPOSED
 BIDIRECTIONAL
 METER #



SERVICE PANEL
 AMPACITY, kAIC
 VOLTAGE, PHASE



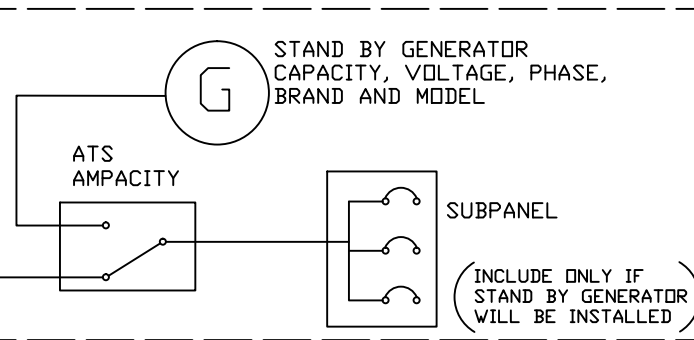
SOLAR
 BREAKER
 SIZE

GROUND WIRE SIZE

SYSTEM SUMMARY
 SYSTEM SIZE DC
 SYSTEM SIZE AC

LOCAL
 JURISDICTION
 APPROVAL

P.E. STAMP
 (<IF >10KW
 AC NAMEPLATE)



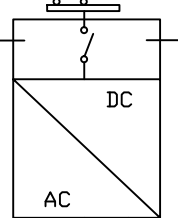
STAND BY GENERATOR
 CAPACITY, VOLTAGE, PHASE,
 BRAND AND MODEL

ATS
 AMPACITY

SUBPANEL

(INCLUDE ONLY IF
 STAND BY GENERATOR
 WILL BE INSTALLED)

INVERTER
 BRAND, MODEL
 AND CAPACITY

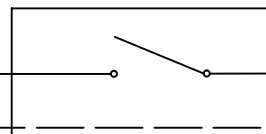


WIRE SIZE

WIRE SIZE

WIRE SIZE

AC DISCONNECT
 BRAND, MODEL AND CAPACITY



NOTES:

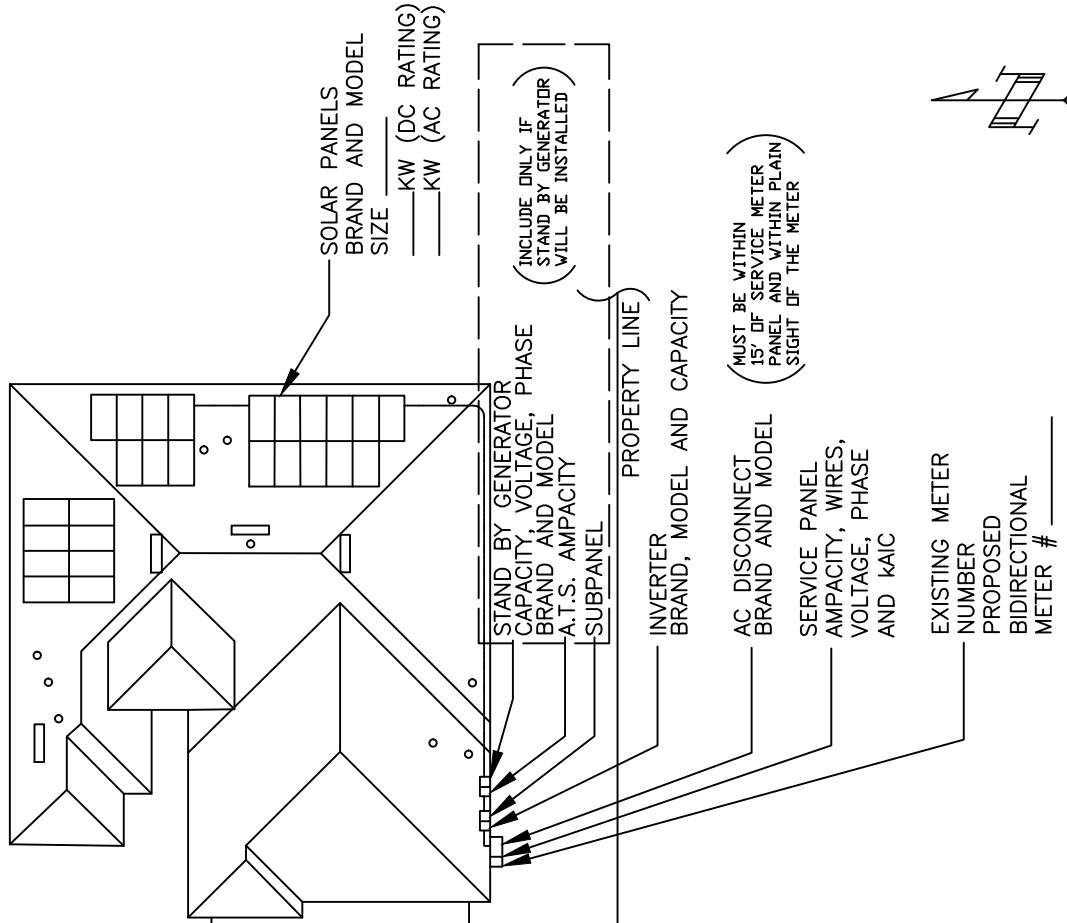
EFFECTIVE OCTOBER 08, 2013

		CONTRACTOR INFORMATION	
		CONTRACTOR ADDRESS	
DRAWN		ONE LINE DIAGRAM	
CHECKED BY:		CUSTOMER NAME	
		CUSTOMER ADDRESS	
		SCALE: NTS	REV. A
		SHEET 1 OF 1	

LOCAL JURISDICTION APPROVAL

P.E. STAMP
(IF >10KW
AC NAMEPLATE)

PROPERTY LINE



NOTE: NORTH COORDINATE
MAY VARY

CONTRACTOR INFORMATION	
CONTRACTOR ADDRESS	
SITE PLAN DIAGRAM	
CUSTOMER NAME	
CUSTOMER ADDRESS	
DATE	
DRAWN	
CHECKED BY:	
NTS	REV. A
	SHEET 1 OF 1