



City of Banning Electric Utility

Self-Generating Facility Application for Residential Photovoltaic Systems

Customer Information

Name (As it appears on the Utility Bill)			
Installation Address of System	Banning, City	CA State	92220 Zip Code
Phone Number	Customer Account Number (Required)	E-mail address (Required)	

Retailer/Seller (seller of solar photovoltaic equipment) Information

Name of Company	Address	Federal Tax ID No.
Business Phone	Purchase Date	Seller e-mail address

Installer Information

Name of Company/Contractor	Address	Federal Tax ID No.
Business Phone	Contractor License Type & Number	Installer e-mail address

Generating System Information

PV Module Manufacturer _____	PV Module Model # _____	Quantity _____
STC Power rating per Module _____ Watts	Total Model Output _____ Watts (Number of modules x STC rating per module)	
Projected Annual kWh Output _____ Watts		
Inverter Manufacturer _____	Inverter Model Number _____	
System Rated Output _____ Watts (CEC A/C)	Number of Inverters _____	
Array Tilt (degrees) _____	Array Azimuth (degrees) _____	Mounting Method _____

The undersigned declare under penalty of perjury that the information provided and stated in this form is true and correct to the best of my knowledge, that the above-described self-generating system is intended primarily to offset part, or all of the electrical needs at the site of the installation, and the **required contributions in aid of construction of \$500.00 is paid at the time of submission**. I understand and agree that the choice of improvements, the selection of contractors, the purchase of items and acceptance of materials used and work performed, and the payments thereof, is my responsibility. I understand that the City of Banning does not endorse, recommend or make any representations as to specific brands, products, contractors or dealers; nor does it guarantee material or workmanship. I also agree to allow the City of Banning Public Utilities to access my premises for verification purposes.

Applicant (Customer) Signature	Date
--------------------------------	------

For office use only:

Check / Money Order #: _____	Project #: _____
Date received: _____	Date Approved: _____

Signature (Public Benefits Coordinator)	Date
---	------

City of Banning, Electric Utility, 176 E. Lincoln St., Banning, CA 92220 (951) 922-3260

City of Banning Electric Utility

Self-Generating Facility Calculation Worksheet for Residential Photovoltaic Systems

PV Module Information

Provide Complete information

1. PV Module Manufacturer _____
2. PV Module Model # _____
3. PV Module Quantity _____
4. PV STC Power Rating per Module _____
5. Total Module Output
(STC Rating x Quantity) _____
6. Projected Annual kWh Output _____

Inverter Information

Provide Complete information

1. Type of Inverter used Central Inverter Micro-Inverter
2. Inverter Manufacturer _____
3. Inverter Model # _____
4. Inverter Quantity _____
5. PV Module Quantity per Inverter _____
6. System Rated Output
(EPBB Calculation - CEC A/C Value) _____
7. Maximum Inverter Output Current _____

Inverter Output Conductors & PV Breaker Sizing

1. Maximum AC Output Current _____
(Inverter Quantity x Max Inverter Output Current x 125%)
2. Inverter Output OCPD Rating (PV back feed breaker) _____
*PV Back feed breaker must be rounded to next available size per Table 1
3. Inverter Output Circuit Conductor size _____

Table 1. Minimum Inverter Output OCPD and Circuit Conductor Size									
Minimum OCPD (Breaker) Size	15	20	25	30	35	40	45	50	60
Minimum Conductor Size (AWG) at 90° C, Copper	14	12	10	10	8	8	6	6	6

Point of Interconnection

*Only Load Side Connections are permitted

*The PV Back feed breaker MUST be positioned furthest from the input feeder or Main Breaker location

* The maximum combined PV back feed breaker and Main breaker cannot exceed 120% of the bus bar rating (Reference Table 2)

- 1. Current Main Service Panel Bus Rating _____ A
- 2. Current Main Service Panel Main Breaker Size _____ A
- 3. Will the Main Service Panel be Upgraded? Yes No
- 4. If Yes, have you completed the Main Service Panel Change Out/Upgrade Questionnaire? Yes No
- 5. Proposed New Electric Service Panel Bus Rating _____ A
- 6. Proposed New Electric Service Panel Main Breaker Size _____ A
- 7. If No, will the current main breaker be De-rated*? Yes No

***De-rating of the Main Breaker requires Electrical Load Calculations to be submitted for justification and MUST be approved by City of Banning Electric Utility. City of Banning Electric Utility MUST be scheduled to disconnect service for approved de-rating of the main breaker.**

Maximum Combined Supply OCPDs based on Bus Bar Rating									
Bus Bar Rating	100	125	125	200	200	200	225	225	225
Main Breaker Size*	100	100	125	150	175	200	175	200	225
Maximum allowable PV back feed breaker size combined with Main breaker at 120% of Bus Bar Rating	20	50	25	90	65	40	95	70	45