Site Specifications

Project Name:	Terry Miller - Cedarvill	
Zip Code:	96104	
Cities:	Alturas / Cedarville	
Customer Type:	Residential	
Annual Site Demand:	36,500 kWh (Previous 12 months)	
Eligible Demand:	32,850 kWh (90% of Annual Site Demand)	(a)

Shop Array 1

PV Module:	Grape Solar:GS-S-250-Fab5 250.0W STC, 222.1W PTC, 223.4 W PTCadj
Number of Modules:	12
Mounting Method:	>3" to 6" average standoff
DC Rating (kW STC):	3.0000
DC Rating (kW PTC):	2.6652
Inverter:	KACO:blueplanet 2502 with x or xi (240V)
Number of Inverters:	1
Inverter Efficiency:	95.50 %
Shading:	

Shading Derate Factors (%)	
January	100 %
February	100 %
March	100 %
April	100 %
May	100 %
June	100 %
July	100 %
August	100 %
September	100 %
October	100 %
November	100 %
December	100 %

Array Tilt (degrees):	35
Array Azimuth (degrees):	180 (True North = 0°)
Design Factor:	98.127 %

Shop Array 2

PV Module:	Grape Solar:GS-S-250-Fab5 250.0W STC, 222.1W PTC, 223.4 W PTCadj
Number of Modules:	22
Mounting Method:	>3" to 6" average standoff
DC Rating (kW STC):	5.5000
DC Rating (kW PTC):	4.8862
Inverter:	KACO:blueplanet 5002 with x or xi (240V)

Number of Inverters:	1
Inverter Efficiency:	95.50 %

Shading:

	Shading Derate Factors (%)
January	100 %
February	100 %
March	100 %
April	100 %
May	100 %
June	100 %
July	100 %
August	100 %
September	100 %
October	100 %
November	100 %
December	100 %

Array Tilt (degrees):	35
Array Azimuth (degrees):	180 (True North = 0°)
Design Factor:	98.103 %

Results

CEC-AC Rating:	7.212 kW	(b)
Annual Expected Generation:	12,381 kWh	(c)
kWh/kW:	1,717	(d) = (c)/(b)
Eligible Generation:	12,381 kWh	(e) = the lesser of (a) or (c)
Maximum Eligible System Size:	**7.212 kW**	(f) = (e)/(d), capped at 250 kW
Design Factor:	**98.111 %**	(g)
PPCSIP Rating:	**7.075 kW**	(h) = (g) x (f)
Incentive Rate:	**$0.63 /watt**	(i)
Incentive:	**$4,457**	(j) = (h) x (i) x 1000

System Design Factor Details

Array	CEC-AC	Design Factor
SYSTEM	7.212	98.111 %

Step	Incentive Rate	PPCSIP Rating	Incentive	
Step 1	$2.00/watt	7.075 kW	$14,151	
Step 2	$1.50/watt	7.075 kW	$10,613	
Step 3	$1.13/watt	7.075 kW	$7,995	
Step 4	$0.84/watt	7.075 kW	$5,943	
Step 5	**$0.63/watt**	**7.075 kW**	**$4,457**	**← Current Incentive Step**
Step 6	$0.47/watt	7.075 kW	$3,325	
Step 7	$0.36/watt	7.075 kW	$2,547	

Report Generated on:

This EPBI calculator is a tool available to participants of the Pacific Power California Solar Incentive Program to determine appropriate incentive amount based on a reasonable expectation of performance for an individual system. The EPBI Calculator has also been created for consumer's to educate themselves on the differences of solar system design and how changes to the PV system's specifications will produce different kilowatt hour results over the course of a year. Please be aware that actual performance of an installed PV system is based on numerous factors, including some factors that may not be considered in the EPBI Calculator. While this calculator relies on industry-standard assumptions, and is driven by NREL's PV Watts v. 2 calculator, there may be other factors that affect the output of your PV System.

Notes:

1. EPBI Incentive = Confirmed Incentive Rate x PPCSIP Rating
2. CEC-AC System Rating (kilowatts) = Quantity of Modules x PTC Rating of PV Modules x CEC Inverter Efficiency Rating / 1000 (watts/kilowatt)