

## Understanding Your New Bill

### **Now that you've gone solar, here's how you can track your energy savings from your solar inverter's online monitoring and your Santee Cooper electric bill.**

Santee Cooper does not monitor your solar photovoltaic (PV) system. Santee Cooper's bidirectional meters only record the energy you sell back to the grid, not the energy you use in your home. This excess energy that your solar PV system generates and cannot be used in the home at that moment is shown on both the meter and your electric bill as kWhR, or kilowatt hour received. This means Santee Cooper received the energy from you. The kWhD, or kilowatt hour delivered, means Santee Cooper delivered, or sold you the energy.

To see the total production of your solar PV system and then determine how much of the power you used in home, you must have access to the online monitoring of your inverter. Most solar PV systems come with this capability and your solar PV installation contractor is typically responsible for installing the appropriate hardware and setting up your login username and password.

To calculate the savings from your solar PV system, you will need access to your inverter's online monitoring portal and your Santee Cooper electric bill.

1. Add up the kilowatt hours (kWh) that your solar PV system generated from the inverter online monitoring portal during the days of the billing period of your Santee Cooper electric bill. This is your Total Solar PV Production.
2. Subtract the kWhR that is on your Santee Cooper electric bill from the Total Solar PV Production.
3. The balance of energy (kWh), is the Solar PV Consumption you used in your home instead of purchasing it from Santee Cooper.
4. Multiply the Solar PV Consumed by the rate you are buying energy from Santee Cooper for which averages around \$0.11 per kWh and you have the savings value for the energy your solar PV system generated and you used in your home!
5. Now, add the first two line items of the second page of your Santee Cooper electric bill. This is the Distributed Generation Rider page of your bill now. The first two-line items are the kWhR multiplied by the Energy Credit Santee Cooper is buying solar energy for. Santee Cooper purchases your excess energy for \$0.0384 per kWh (October-May) and \$0.0416 per kWh (June-September).
6. After adding the values of your Solar PV Consumed you calculated from your inverter's online monitoring and the Energy Credits from your Santee Cooper electric bill, you have your Total Monthly Solar Savings!

### Example: 6.3 kW (AC) Rooftop Solar PV System

**900kWh** Total Solar PV Production for billing period September 5<sup>th</sup> thru October 14<sup>th</sup>

**394kWhR** on Santee Cooper bill

**506kWh** Solar PV Consumed

**506kWh x \$0.0997 = \$50.45** Savings from Solar PV Consumed

**394kWhR x \$0.0384** (Energy Credits) = **\$15.21**

**\$50.45 + \$15.21 = \$65.66 Total Monthly Savings!**

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**Residential General Service from 9/5/19 through 10/2/19 for 28 days**

Meter Number	Previous Meter Read		Current Meter Read		Usage / Consumption
	Date	Reading	Date	Reading	
LN3F15063	9/4/2019	4117	10/2/2019	5292	1175 KWH
LN3F15063	9/4/2019	1235	10/2/2019	1629	394 KWHR

***Renewable Energy***

Energy Credits KWHR	-15.13
Solar Metering Charge	2.00
Solar Stand-By KW Charge	34.00
Distributed Generation Total	20.87

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