

# Understanding Your New Bill



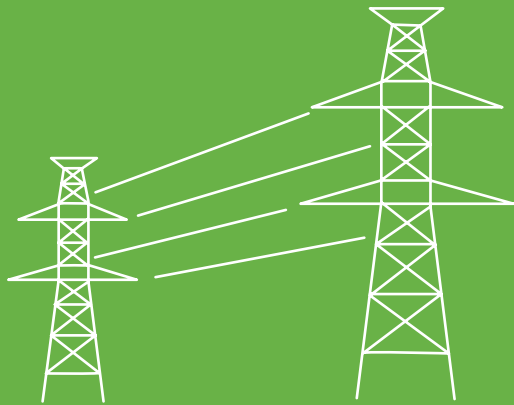
Now that you've gone solar, here's how you can track your energy savings via your solar inverter's online monitoring and your Santee Cooper electric bill.

Santee Cooper does not monitor your solar photovoltaic (PV) system. Santee Cooper's bidirectional meters only record the energy you sell back to the electric grid, along with the energy you receive from the electric grid. Your home will often consume the vast majority of the energy produced by your solar PV system. The excess energy that your solar PV system generates that cannot be used in the home right away is returned to the grid, recorded by the meter, and later displayed on your electric bill as Total Energy Used Rec, or kilowatt-hour received. This means Santee Cooper received the energy from you. The KWH, or kilowatt-hour consumed, means Santee Cooper sold you the energy.

To see the total production of your solar PV system and then determine how much power you used in your 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, plus 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.

## To calculate your savings, follow these steps:

- 1** Add up the kilowatt hours (KWH) shown in the inverter's online monitoring portal for the days of the billing period in your Santee Cooper electric bill. This is your Total Solar PV Production.
- 2** Subtract the Total Energy Used Rec seen in your Santee Cooper electric bill from the Total Solar PV Production. The balance of energy (KWH) is the Solar PV production you used in your home instead of purchasing it from Santee Cooper.
- 3** Multiply the Solar PV consumed by the home, calculated in step 2, by the rate you're paying for energy from Santee Cooper, which is \$0.0792 per KWH. That's the savings value for the energy your solar PV system generated and you used in your home!
- 4** Now that you have calculated the value of the Solar PV your home consumed, you will need to add the value of the energy returned to the grid. Total Energy Used Rec, found on your Santee Cooper bill. Total Energy Used Rec is multiplied by Santee Cooper's Seasonal Energy Credit. Santee Cooper purchases your excess energy for \$0.0415 per KWH.
- 5** After adding the values of the Solar PV your home consumed and the Energy Credits from your Santee Cooper electric bill, you then subtract any fees associated with the Distributed Generation Rider. This figure represents your Total Monthly Solar Savings! See the example on the following page.



Meter Number	Usage/Consumption
LN3F15063	1175 kWh-Total Energy Used
LN3F15063	394 kWh-Total Energy Used Rec

## Renewable Energy

Energy Credits kWh- Total Energy Used Rec	-\$16.35
Customer Charge	\$10.00
Distributed Generation Total	-\$5.21

## 6.3 KW (AC) Rooftop Solar PV System Example

900 kWh – Total Solar Energy Produced (kilowatt hours) Total Solar PV Production for billing period September 4th-October 2nd (figure retrieved from inverter's online monitoring portal)

394 kWh – Total Energy Used Rec (kilowatt-hour received) as shown on Santee Cooper bill

506 kWh – Solar energy consumed by home; or off-set (figure calculated in step 2 above)

506 kWh – Total Energy Used x \$0.0792 = \$40.07 Savings from Solar PV Consumed (figure calculated in step 3 above)

394 kWh – Total Energy Used Rec x \$0.0415 (Energy Credits) = \$16.35 (figure calculated in step 4 above)

Total Monthly Savings! (figure calculated in step 5 above)

\$16.35	+	\$40.07	-	\$10.00	=	\$46.43
Energy Credits		Energy Offset		Customer Charge		Monthly Savings

Thank you for being a part of our Santee Cooper Solar Program.  
You should be proud to know that your participation is helping  
ensure brighter days ahead for the environment.