

# Calculating Your Actual Energy Use

## Net Metering Formulas

Due to the way Benton REA electric meters read the energy consumed by your home and produced by your solar generation system, you cannot determine how many kilowatt-hours of electricity your home uses each month by viewing your electric bill. However, you may use this formula to calculate your home's actual electricity use, which may also help you conserve even more energy.

- 1** Calculate the monthly generation of your system by using the reads from the PRODUCTION meter.

$$\frac{\text{Current Month Production Reading}}{\text{Current Month Production Reading}} - \frac{\text{Previous Month Production Reading}}{\text{Previous Month Production Reading}} = \text{Monthly Generation}$$

- 2** Record the readings from your NET meter.

#2 Reading: Delivered kWh from Benton REA to Member

$$\frac{\text{Current Month \#2 Reading}}{\text{Current Month \#2 Reading}} - \frac{\text{Previous Month \#2 Reading}}{\text{Previous Month \#2 Reading}} =$$

#3 Reading: Received kWh from Member to Benton REA

$$\frac{\text{Current Month \#3 Reading}}{\text{Current Month \#3 Reading}} - \frac{\text{Previous Month \#3 Reading}}{\text{Previous Month \#3 Reading}} =$$

- 3** Calculate how much solar energy your home used.

$$\begin{aligned} & \text{Monthly Generation} \\ & - \text{Received kWh} \\ & = \text{Solar Energy Used (kWh)} \end{aligned}$$

- 4** Calculate how much total energy your home used.

$$\begin{aligned} & \text{Delivered kWh} \\ & + \text{Solar Energy Used (kWh)} \\ & = \end{aligned}$$



## Definitions

### Delivered kWh

Electricity used by your home from the Benton REA electric grid when your system is not producing electricity.

### Received kWh

Excess electricity produced by your system, but not used by your home. This energy goes into to the Benton REA electric grid.

For more information about net metering or energy conservation email [memberservices@bentonrea.org](mailto:memberservices@bentonrea.org) or call 509-786-8265.



**Benton Rural Electric Association**