

What is Net Metering?

Net metering is the system used when a member installs any interconnected generation system (Solar, Wind, etc). Warren Electric Cooperative utilizes two meters for calculating a member's net energy usage. Your existing meter is used for its original purpose of measuring your energy usage measured in kilowatt hours (kWh). A second meter is added to your home to measure the electricity you generate. With the addition of the second meter, you would also be responsible for a second base charge.

How does net metering work?

Each month, when you turn in your meter reading, you would also turn in the meter reading from your new generation meter. Your bill will be credited for the kWh you generated, up to the amount of kWh you used in that month. Any excess kWh that you generate above your usage in that month is set aside in a bank for use in months of low generation. At the end of the year, if you have an excessive amount of kWh credit in your bank, the bank may be paid out at the avoided cost. Avoided cost is the price per kWh that the Cooperative pays our power supplier for energy. Members are not able to recover their base charges with a net metering project. The example bills to the right may help you understand how net metering will impact your bill.

Billing Examples

Below are example bills based on the 2021 residential rates

Example 1 Generation = Usage

Base Rate	\$ 56.00
kWh Rate	\$0.1164
kWh Used	<u>x 500</u>
kWh Used (\$)	\$57.00
kWh Rate	\$0.114
kWh Generated	<u>x -500</u>
kWh Generated (\$)	-\$57.00
Total Bill	\$54.44
Solar Bank (kWh)	0

Example 2 Generation < Usage

Base Rate	\$ 56.00
kWh Rate	\$0.1164
kWh Used	<u>x 750</u>
kWh Used (\$)	\$ 87.30
kWh Rate	\$0.1164
kWh Generated	<u>x -500</u>
kWh Generated (\$)	-\$ 57.00
Total Bill	\$ 85.10
Solar Bank (kWh)	0

Example 3 Generation > Usage

Base Rate	\$ 56.00
kWh Rate	\$0.1164
kWh Used	<u>x 500</u>
kWh Used (\$)	\$ 58.20
kWh Rate	\$0.1164
kWh Generated	<u>x -750</u>
kWh Generated (\$)	-\$ 58.20
Total Bill	\$ 56.00
Solar Bank (kWh)	250

Calculate Your Bill

Base Rate	\$ 56.00
kWh Rate	\$0.1164
kWh Used	<u>x _____</u>
kWh Used (\$)	\$ _____
kWh Rate	\$0.1164
kWh Generated	<u>x _____</u>
kWh Generated (\$)	-\$ _____
Total Bill	\$ _____
Solar Bank (kWh)	_____

SOME BASICS OF MEMBER GENERATION

WEC and the other PA cooperatives own a statewide entity called Allegheny Electric Cooperative (AEC). AEC owns interests in hydro generation as well as maintains the power requirements for the cooperatives.

Concerns about the environment, the trend of fuel prices, and news of rate increases across the country have caused some members to consider alternative energy sources such as wind and solar technology to generate all or a portion of their electricity needs.

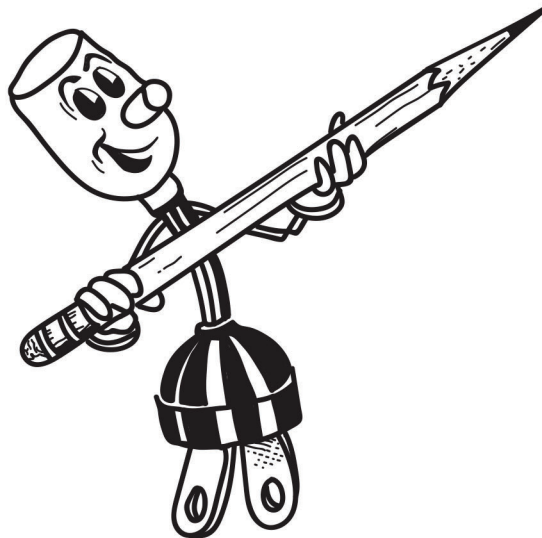
WEC encourages these conservation and green efforts including member generation of electricity (also known as distributed generation (DG)), if done in a safe, economical, reliable, and environmentally friendly manner.

WEC strongly recommends that members interested in any DG projects, carefully consider the technical options and economic implications. It can be very easy to believe the claims made by solar installation companies of "Free Electric". It is important to research this idea because it may actually cost you more than you currently pay now for electricity.

This brochure can help you understand how a solar DG project will impact your bill.

A reputable vendor of quality generation equipment should be willing to assist you in completing this analysis. Additionally, websites provided by neutral parties can help you verify production estimates like pvwatts.nrel.gov/

If you have additional questions, please feel free to contact the Cooperative office at (814) 563-7548.



UNDERSTANDING SOLAR NET METERING WITH THE COOPERATIVE



**Warren Electric
Cooperative, Inc.**

Owned by the members we serve.