

## **THINKING ABOUT SOLAR?** **READ THESE FAQ'S TO STAY INFORMED!**

There is growing interest among Pennyrile Rural Electric members in using electricity generated from the sun. So far, the co-op has more than 120 residential customers who have installed photovoltaic (PV) systems. The following information is intended to address some of the questions being posed by members. For additional information beyond the FAQ's listed below visit [www.precc.com/renewable-energy](http://www.precc.com/renewable-energy).

### **Does Pennyrile Electric pay for, or provide a credit, if I produce more than I use?**

No, Pennyrile Rural Electric does not have a net metering requirement set by TVA, our regulating body, and therefore does not purchase or provide a credit on your bill for any excess power.

### **What does Pennyrile Electric require from me?**

The member/contractor will need to supply the following.

- An Interconnection Agreement (Available at [precc.com](http://precc.com))
- A copy of Personal Liability Insurance
- ≤ 10kW requires \$100,000
- ≥ 10kW requires \$1,000,000
- PV Panel information
- Inverter information
- A one-line diagram of electrical connections
- A lockable manual disconnect between the inverter and the home's electrical panel
- The system must be inspected by a state electrical inspector and commissioned by qualified personnel from Pennyrile Electric before energizing.

### **How long will it take to recover the cost of a PV system?**

Basically, photovoltaic systems are designed to offset a portion of the electrical requirements in the home. Before deciding to spend thousands of dollars on a PV system, it's wise to evaluate how energy-efficient your home is, and how much your family's lifestyle affects your energy usage. Pennyrile Rural Electric can help by providing historical data on your usage to give you a better idea of what you might use each month. This along with a solar energy calculator are just some of the tools you'll need to help you decide whether solar is right for you. One can be found on TVA's website at <https://edt.tva.gov>.

Installing PV systems can reduce kilowatt hour requirements during the day, but during the evening hours, PV systems aren't able to offset that demand. Non-Daytime usage is something that should be considered as it will not be offset by the PV system alone.

### **What happens if there is an interruption in Pennyrile Rural Electric's power?**

Unless you've invested in a battery storage-type PV system, you will not have the availability of electricity if Pennyrile Rural Electric experiences a power outage. The PV system is designed to de-energize whenever power interruptions occur, and it remains off until utility power has been restored. This is a safety measure that protects our linemen as they work to restore power.