Solar Inverter Replacement Program

Solar System Basics

The solar panels on your roof convert sunlight into electricity. For the electricity to work properly in your home, it needs to be a specific type of electricity. This is the job of your inverter. If the inverter doesn't work, your solar system won't work properly, and your electricity bills will be higher.

The inverter is not the only thing that can lead to a problem. A solar panel may have gone bad, wires under your panels may have failed or been chewed by animals, a tree may have grown and is now shading your system, or maybe the solar panels have become dirty.

Determine If Your System is Operating Properly

Your inverter tells you if your system is functioning properly:

- **Green light:** solar system is working normally
- **Flashing green light:** solar system is working properly but there is not enough sunlight to generate electricity (you would see this at night after the sun has gone down)
- **Red, orange or yellow:** solar system is experiencing an issue and action should be taken

You can also review your electric bills for spikes in cost or changes in your solar generation to see if your solar panels are working properly.

If you are not familiar with your solar system or understand how it operates, please consult a licensed solar installation or repair company for help.

What Type of Inverter Do I Have?

There are two basic types of solar inverters:

- **String Inverters:** One string inverter serves your whole system. It is typically mounted on a wall near your meter and utility service box, and has lights and information to tell you about your system's status and performance.
- **Microinverters:** Microinverters are small inverters located on the back (or close by) of each individual solar panel. They are equipped with communication capabilities to monitor the performance of your entire system as well as each solar panel.

System Monitoring

While solar installations are considered low maintenance, they are not maintenance free. Every time your system stops working, your electric bill can go up. Keep an eye on your system, review your electric bills, and ask your installer about your monitoring options. The Solar Inverter Replacement Program provides rebates for help with system monitoring.