



## SOLAR PHOTO-VOLTAIC (PV) PROGRAM

### Details and Frequently Asked Questions

#### Solar Installation Approval

Prior to installation, solar PV systems must be preapproved by Jackson EMC and meet program guidelines to be connected to Jackson EMC's infrastructure. A completed Direct Generation Interconnection Agreement must be submitted to Jackson EMC along with a non-refundable \$100 application fee. Our Interconnection Agreement can be found on our website at: [jacksonemc.com/solar](http://jacksonemc.com/solar)

#### Net Metering

If a solar PV system produces more power at any given moment than the home is consuming, the extra power will flow back into the Jackson EMC electric grid. Each billing cycle, the total amount of electricity sent back will result in a credit (at Jackson EMC avoided cost) on the customer's electric bill. The credit is outlined in Jackson EMC's Net Metering Rider.

[www.jacksonemc.com/my-cooperative/rates/residential-rates/net-metering-rider](http://www.jacksonemc.com/my-cooperative/rates/residential-rates/net-metering-rider)

## Frequently Asked Questions

#### *What will a PV system cost me?*

Costs for a solar PV system can easily run \$5,000 - \$7,000 per kW of system size. However, these costs can vary depending on the size of the system, site specifications, components (i.e. batteries), and installing contractor. We recommend getting more than one quote from a contractor certified with the North American Board of Certified Energy Practitioners (NABCEP) before choosing a PV system. You can also use Jackson EMC's Rooftop Solar Assessment Tool to determine estimates on payback periods, tax incentives, system costs, etc.

#### *Will a solar PV system produce enough energy to handle all my electricity needs?*

For the average customer, **a solar system will produce 20- 50% of their annual energy needs**, depending on the size of the energy requirements of your home. The size of the system that is right for you depends on how big of an investment you want to make and how much unshaded area is available.





### ***How much electricity will my solar PV system produce?***

The amount of electricity generated by a solar PV system depends on several factors: system size, orientation of the system and shading. Typically, a 5 kW system will generate 6,000 to 7,000 kWh per year. You can also use Jackson EMC's Rooftop Solar Assessment Tool or Complimentary Site Survey ([jacksonemc.com/renewables](https://jacksonemc.com/renewables)) to determine solar PV generation estimates.

### ***What if I have an HOA?***

Before any installation of a solar PV system on your home, you should consult your Homeowners Association by-laws for any restrictions related to PV systems.

### ***What happens on cloudy days?***

Since solar energy systems require sunlight to produce electricity, the bulk of your electricity production will take place under sunny conditions. Solar energy generation is directly related to the amount of sunlight available at any given moment. **A system can generate 50-70% of its typical output** under bright overcast conditions but production will continue to diminish as less light reaches the system.

### ***What happens during an electrical outage?***

In any type of electric outage, only a solar PV system with battery backup will continue to have power.

### ***What if I have more questions?***

You can complete our online solar information form to request a complimentary solar site survey or call 1-800-462-3691 to speak with a Jackson EMC residential energy advisor. ([jacksonemc.com/solar-information-form](https://jacksonemc.com/solar-information-form))