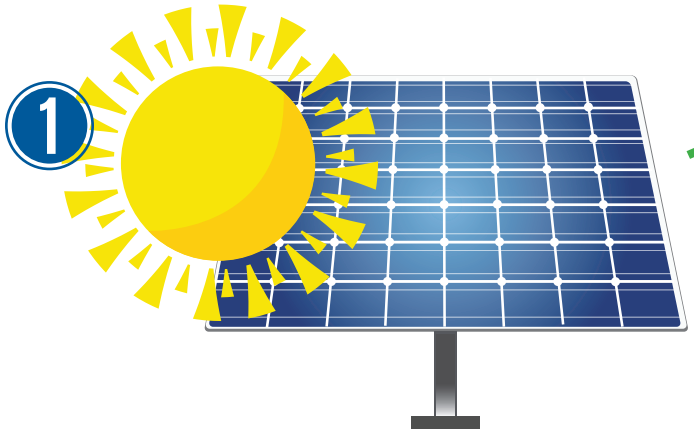
JCE CO-OP
Electric · Gas · Fiber
Your Touchstone Energy® Cooperative

DISTRIBUTED GENERATION NET METERING

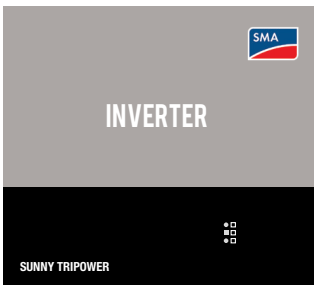
Solar Photovoltaic Example

1



Solar PV Panels convert energy from sunlight into electricity.

2

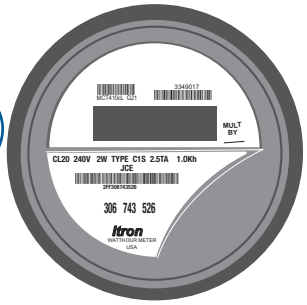


An inverter then converts the electricity from direct current (DC) to alternating current (AC), the type of electricity used in homes and businesses in the United States.

3

A member's solar generation is first delivered to the member's home or business, and used to satisfy immediate energy needs. When the member generates more electricity than needed it is sent back onto the Jo-Carroll Energy electric grid. Members with solar panels are able to draw electricity from Jo-Carroll Energy when their panels do not provide sufficient power for the home or business' needs (i.e. nighttime, overcast, high usage).

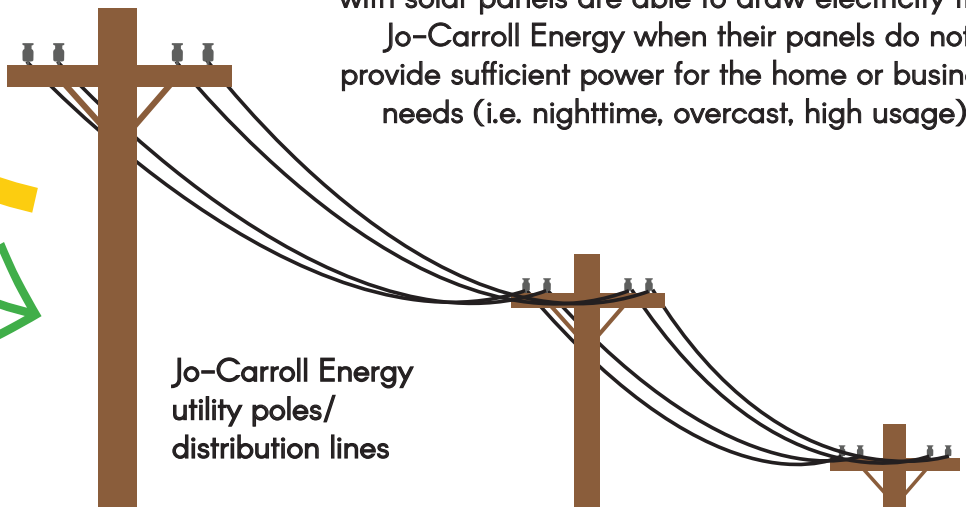
4



A bi-directional meter measures delivered electricity (DE) used from the grid (net consumer) and electricity returned (RE) to the grid (net producer). These values are both displayed on the meter for your convenience.

RE

DE



Jo-Carroll Energy utility poles/ distribution lines

DE

RE

RE Excess electric not used by your home that goes back to the Jo-Carroll Energy electric grid.

DE Electric used by your home from the Jo-Carroll Energy electric grid.