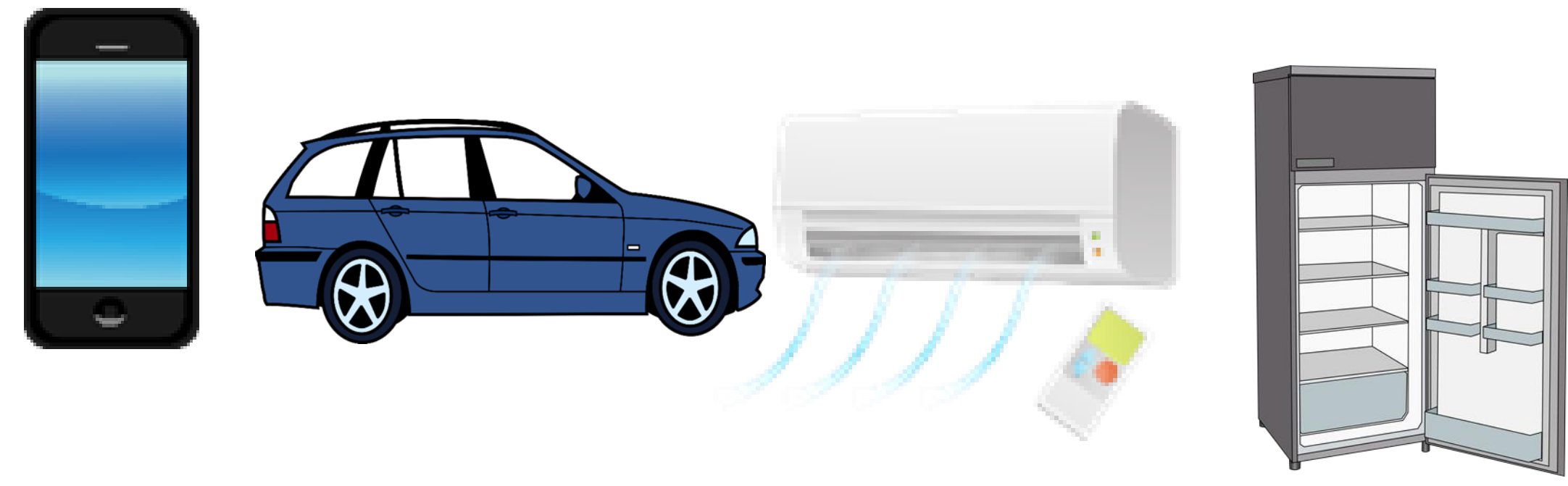
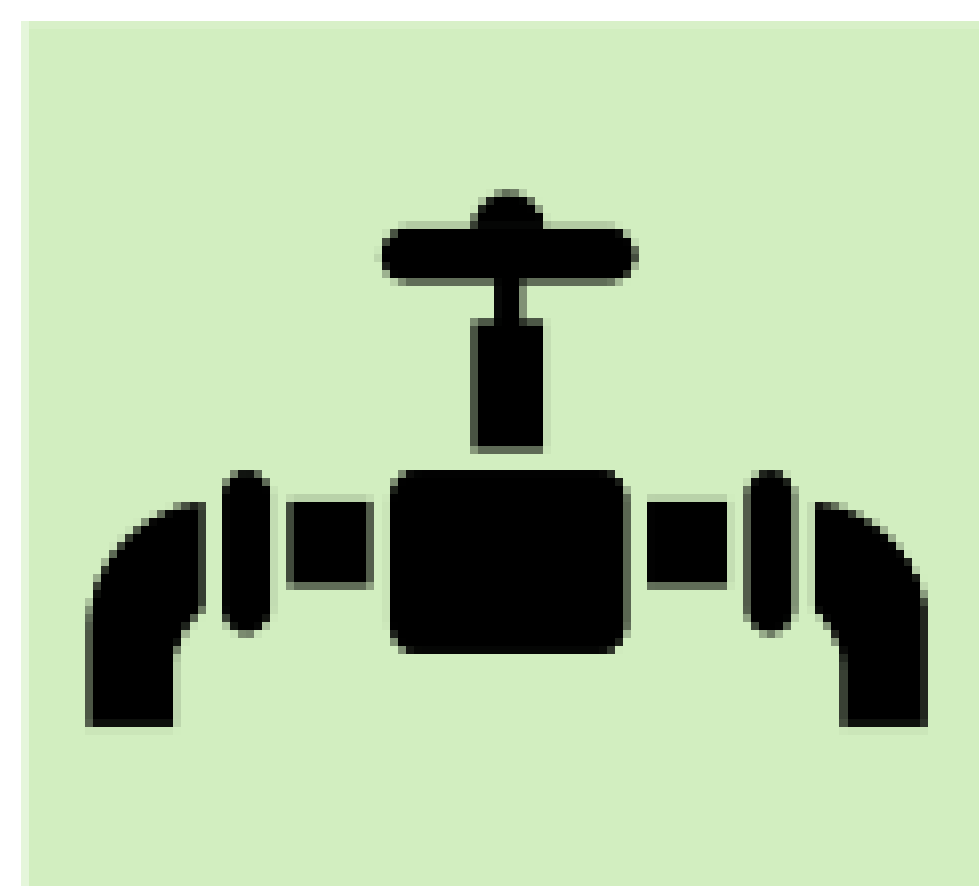
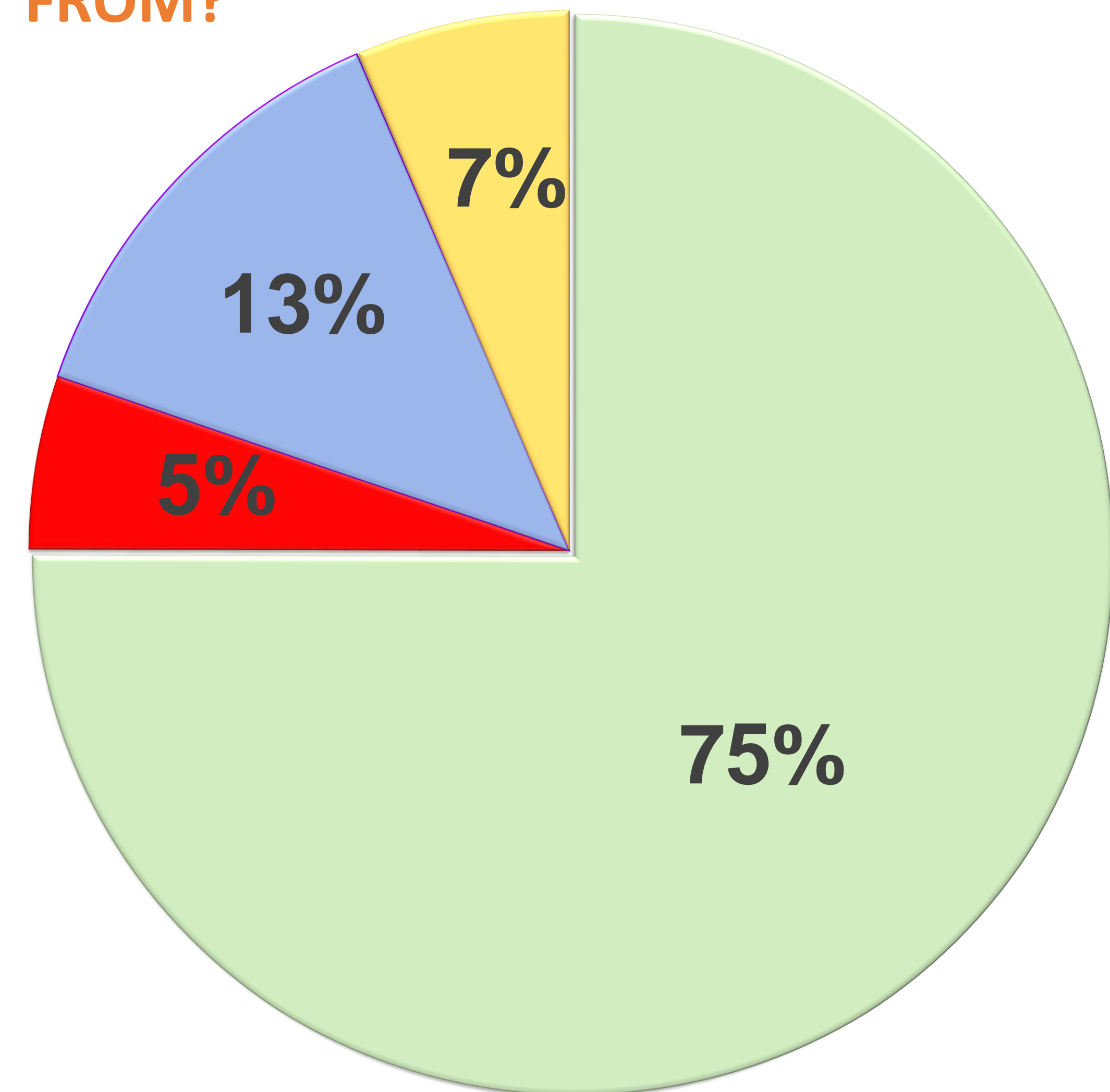


WHAT IS ENERGY?

- ☀ Energy the ability to do work.
- ☀ Living things need energy, as well as many items used in everyday life.



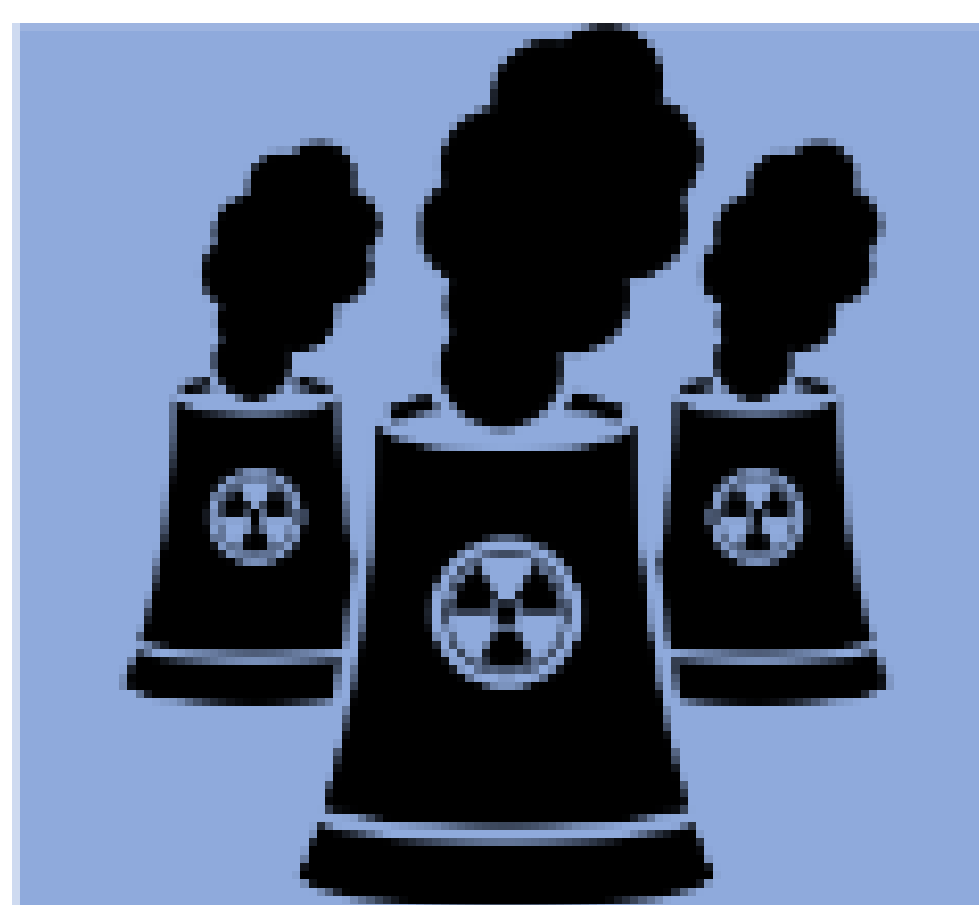
WHERE DOES FLORIDA'S ENERGY COME FROM?



Natural gas
Non-renewable



Coal
Non-renewable



Nuclear power
Non-renewable

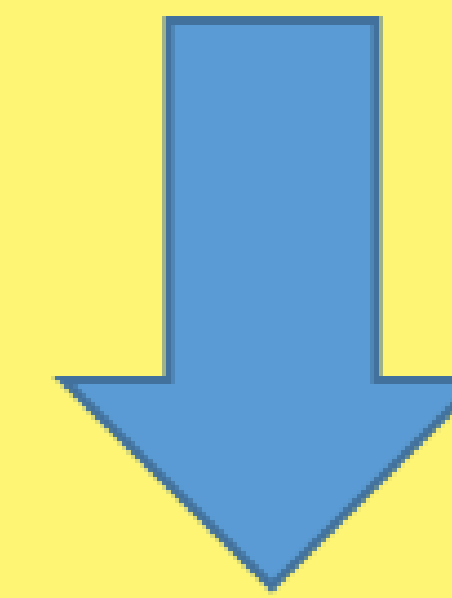
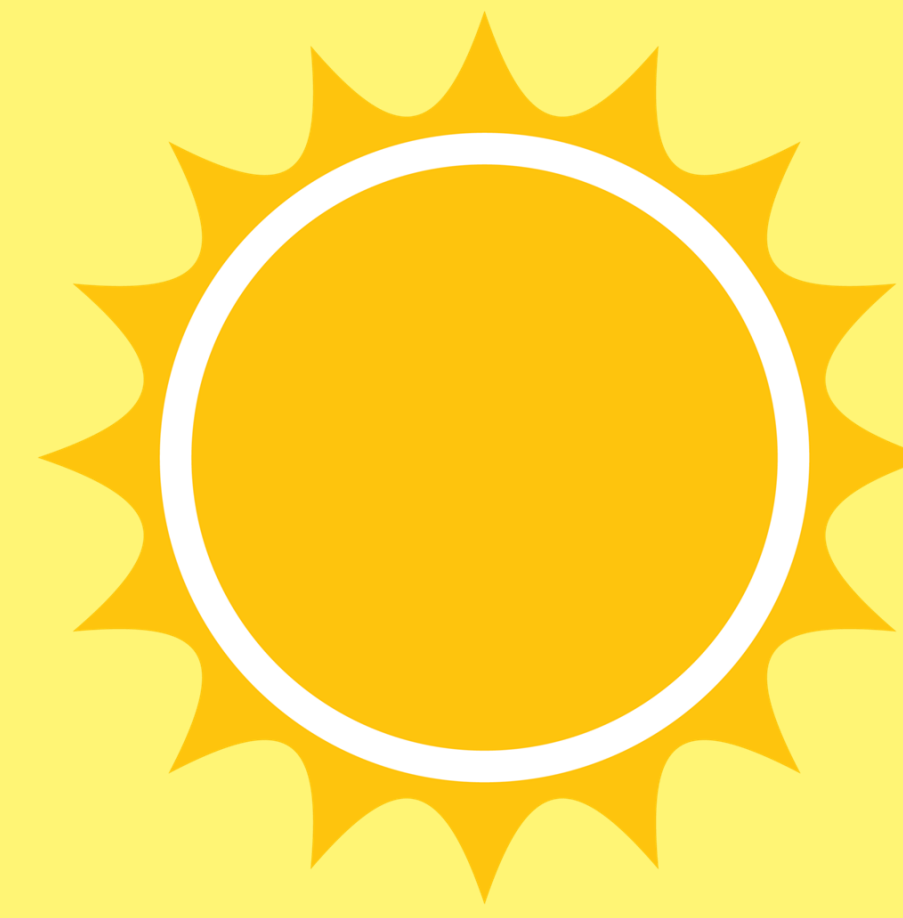


Solar, biomass, and hydroelectric power
Renewable

What is Solar Power?

Exploring Solar Energy in the Sunshine State

Light energy travels from the sun as sunlight.



Photovoltaic panels convert sunlight into a direct electric current.



An inverter turns the direct current generated by the photovoltaic panel into an alternating current.



The alternating current from the inverter is the electrical current type used to power homes, buildings, and other appliances.



WHY IS THIS IMPORTANT?

- ☀ Electricity is a necessity for many, and power outages can compromise access. In Florida, natural disasters and weather events are the largest cause of power outages.

SOLAR GENERATOR PROJECT

- ☀ Aims to provide security to vulnerable communities during events where usual electricity sources may be lost. CES researchers are compiling a solar supply kit that will allow users in varying situations to power their lives via the sun.
- ☀ With our Bluetti AC200MAX solar generator and B300 backup battery, CES is exploring energy options that will increase resilience against electricity loss. Solar generators produce no fumes, can be used in the house, are quiet, and can recharge with the sun.

