



SOLAR

HOW DOES IT WORK?

An overview of solar, the benefits,
the drawbacks and more...

WHAT IS SOLAR?

Solar is the conversion of sunlight into electricity. This conversion can be direct by using photovoltaics, or indirect by using concentrated solar power.

BENEFITS

- Reduced energy usage
- Tax rebate from the state
- Environmentally friendly
- Helps to sustain grid health
- Renewable energy source
- Increase your home's value

DRAWBACKS

- Weather dependent
- High initial capital costs
- Greater amount of maintenance for panels
- Systems only produce 85% of total rating.

INTERCONNECTED OR OFF GRID?

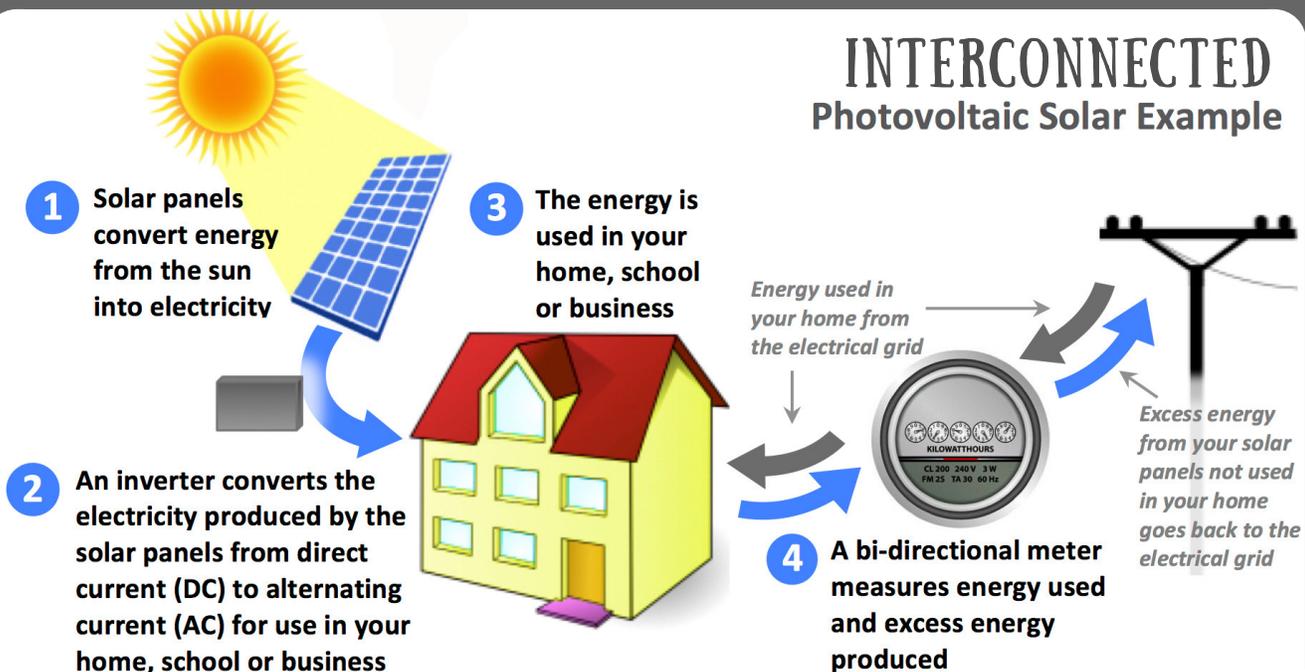
Interconnected: Connected to the utility grid through your meter.

Off Grid: A system that is isolated from the grid.

INTERCONNECTION REQUIREMENT LIST

- Currently have and maintain a \$100,000 insurance policy
- Add CFEC as "additional interest" on insurance policy.
- Provide page from policy declaration showing CFEC listed for records.
- Pay \$100 interconnection fee, or arrange for solar contractor to do so.

INTERCONNECTED Photovoltaic Solar Example



THE PROCESS



1. CONTRACTOR AND DESIGN

Once you find a contractor, they will design a system that fits your needs and energy usage. At this point, CFEC must be notified of installation.



2. CONTRACT AND INSTALLATION



After you sign a contract with them, installation will begin.



FROM CONTRACTOR:

- List of materials to be installed
- Site plan
- PV Layout
- Single line diagram
- Proof of state certification
- Proof of state electrical license
- Wiring compliance letter
- Copy of county permit
- Final approval by county

3. PAPERWORK

After paperwork has been provided, CFEC will obtain a contract with the member (for interconnected systems only) and change the meter. A fee of \$100.00 is required for interconnection.



4. INSTALLATION OF NEW BI-DIRECTIONAL METER



5. FINAL CHECKLIST WITH CFEC:

- Final approval by utility
- Test equipment
- Obtain signed interconnection contract
- Obtain \$100 fee
- Update all records for account and billing
- Maintain a PV array file for the account.



6. BILLING

Excess kWh's will be bought back at avoided cost of *4.1¢ per kWh. This will be calculated into your monthly bill.



*Rate subject to change.



FOR MORE INFORMATION,
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