



Renewable Energy Options  
for Businesses  
*from Kentucky's Touchstone Energy Cooperatives*

# 01

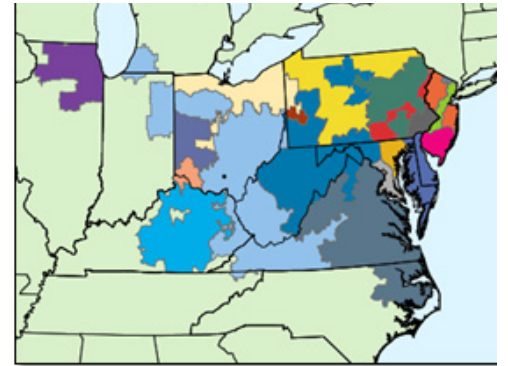
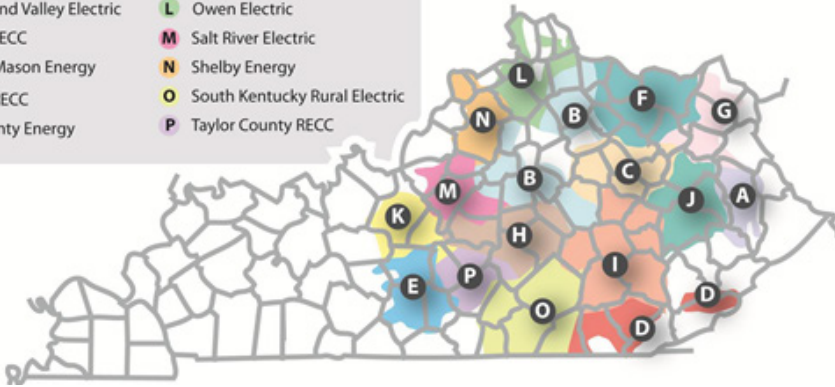
## Renewable Energy Options for Businesses

### Who We Are

Kentucky's Touchstone Energy Cooperatives are 16 of your local distribution co-ops, along with their power provider, East Kentucky Power Cooperative (EKPC). The 16 distribution co-ops own EKPC. We're part of Touchstone Energy, a large network of co-ops, serving 46 states. Learn more about our cooperatives at [www.togetherwesaveky.com](http://www.togetherwesaveky.com). Local cooperatives and EKPC work together in offering member programs.

#### Kentucky's Touchstone Energy Cooperatives

- |                                     |  |
|-------------------------------------|--|
| <b>A</b> Big Sandy RECC             | <b>I</b> Jackson Energy                |
| <b>B</b> Blue Grass Energy          | <b>J</b> Licking Valley RECC           |
| <b>C</b> Clark Energy               | <b>K</b> Nolin RECC                    |
| <b>D</b> Cumberland Valley Electric | <b>L</b> Owen Electric                 |
| <b>E</b> Farmers RECC               | <b>M</b> Salt River Electric           |
| <b>F</b> Fleming-Mason Energy       | <b>N</b> Shelby Energy                 |
| <b>G</b> Grayson RECC               | <b>O</b> South Kentucky Rural Electric |
| <b>H</b> Inter-County Energy        | <b>P</b> Taylor County RECC            |




EKPC is the generation and transmission (G&T) cooperative and wholesale energy provider, owned by the 16 distribution co-ops. We are members of PJM, a regional transmission organization (RTO) that coordinates the movement of wholesale electricity in all or parts of 13 states and the District of Columbia. Membership in PJM provides competitive access to a vast array of renewable resources. Plus, we own and operate Cooperative Solar Farm One, an 8.5 MW community solar farm.

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## Renewable Energy Options for Businesses

### First Steps to Consider

- What are your renewable energy goals? Do you have corporate sustainability goals?
- What is your timeline for meeting these goals?
- Do you want renewable energy generation and/or renewable energy certificates (RECs)?
- Are you interested in local renewable energy (installed at your site)?
- Or will remote renewable energy (installed off-site) meet your needs?



A REC is a tradeable, market-based instrument that represents the legal property rights to the “renewable-ness” — or non-power (i.e., environmental) attributes — of renewable electricity generation. A REC is created for every megawatt[1]hour (MWh) of electricity generated and delivered to the grid from a renewable energy resource. Electricity cannot be considered renewable without a REC to substantiate its renewable-ness, per EPA.gov.

January 2024

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## Renewable Energy Options for Businesses

### Let's Look at Your Options

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#### Renewable Energy Programs

Your members can select from multiple options or develop hybrid solutions to meet their needs

##### Long-term Renewable Energy Asset Program

- Take the contract approach through your local co-op (and EKPC) for a long-term, large-scale renewable energy resource. This is a rider to your existing electric rate.
  - The three-party agreement (you, your local co-op and EKPC) allows EKPC to build or purchase renewable energy for you. You determine the amount (MWs) and type of resource(s).
  - EKPC secures the resource(s), usually at a set price for the agreement duration of up to 25 years.
  - Price per renewable kWh is added to your monthly electric bill (large purchase 25 year solar contracts are averaging about \$50/MWh or \$0.05/kWh).
  - You receive a per-renewable kWh credit for avoided fuel and variable environmental cost or the avoided purchase power cost (about \$35/MWh or \$0.035/kWh).
  - The best part: no capital investment for you! Capital investments are made on your behalf by your co-op, with the three-party agreement.
  - All monthly transactions are settled on the electric bill and EKPC retires RECs on your behalf.
  - All transactions are regulated by the Kentucky Public Service Commission (PSC).

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## Renewable Energy Options for Businesses

### REC Program

- This program is designed to provide business members the option to purchase RECs at cost (plus a set \$100 monthly administration fee and an additional small fee for Green-e certified RECs).  
*A renewable electricity program or REC product that meets all requirements of the Green-e® Energy program and that is sold or transacted by an entity contractually allowed to do so by Center for Resource Solutions. The Green-e® Energy certifies three product types: REC products, electricity products sold in deregulated markets, and electricity product sold in regulated non-competitive markets.*

This is also a three-party agreement.

- You determine the type of RECs and amount of RECs to be purchased and retired each month.
- Members defines whether to offset a percentage of consumption, set a fixed dollar amount, choose to order a fixed number of RECs or you can use a hybrid approach to offset consumption.
- No capital investment for you!
- All monthly transactions are settled on the monthly electric bill.
- One-year agreement with automatic monthly renewal.
- EKPC will retire RECs on your behalf, as a certified broker.
- RECs cannot be monetized.
- All transactions are regulated by the Kentucky PSC.

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## Renewable Energy Options for Businesses



Kentucky's Touchstone Energy Cooperatives  
**Cooperative Solar**

### Cooperative Solar (your community solar option)

- The easiest way to “go green” is your co-op’s Cooperative Solar program
  - Members may license solar panels from Cooperative Solar Farm One, owned by Kentucky’s Touchstone Energy Cooperatives.
  - Each panel license fee is \$460 and provides a credit on the monthly electric bill for the value of the energy produced by the licensed panel(s).
  - The monthly electric bill credits will last for 25 years.
  - Visit [www.cooperativesolar.com](http://www.cooperativesolar.com) for program details.
- A one-time license fee is required. Members may license multiple panels to meet greater carbon offset goals.

### Net Metering and Public Utility Regulatory Policies Act of 1978 (PURPA) Options

#### Net Metering: Behind-the-Meter Option, Owned by You or a Third Party

- Per Kentucky law, regulations, and tariffs, net metering applies to renewable energy installations up to 45kW, connected on the business members’ side of the meter (a.k.a. - Behind-the-meter or BTM).
- Installation lowers the member’s energy consumption when the renewable facility is generating (i.e. when the sun is shining for solar).
- If, at anytime, generation production exceeds consumption, those kWhs are credited later when consumption exceeds generation production. There is never cash payment for over production, by Kentucky law.
- This option usually requires a capital investment by the business member for the installation. Contact your local Kentucky’s Touchstone Energy Cooperative to begin the net metering approval process.

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## Renewable Energy Options for Businesses

### Another Behind-the-Meter (BTM) Option

- Public Utility Regulatory Policies Act or PURPA
  - The Public Utility Regulatory Policies Act (PURPA) of 1978 requires the utility to take power generated by renewable resources. The price paid for the energy is set at the utility's avoided cost of energy.
  - This option is available to renewables installed BTM that are larger than 45kW and less than 5 MW in size. You can offset your consumption and sell any surplus to the utility. Excess sales of energy is priced at EKPC's locational marginal price (LMP) in PJM per EKPC's and the local co-op's Small Power Producer (Co Gen) tariff, approved by the Kentucky PSC.



[www.ekpc.coop/cogeneration-applicants](http://www.ekpc.coop/cogeneration-applicants)

Scan the QR code to apply  
as a Small Power Producer

### In Front Of the Meter: Remote Renewable Energy Option

- Available to grid-connected resources on the utility side of the meter, that are owned by you or a 3rd party.
- PURPA generators (in-front of the meter) are not owned by your local co-op or EKPC.
- Per Kentucky law, only your electric utility can sell you energy produced.
- PURPA generators cannot sell energy directly to you. You may purchase RECs directly from PURPA generators attached to EKPC or your co-op's electric system.

### enviowatts (a REC program)

- An easy option is participation in our enviowatts program (a REC option)
  - The enviowatts option allows for you to support renewable energy by paying a set dollar amount adder on your monthly electric bill for solar, wind, hydro and/or biomass RECs at \$2.75 per portion.
  - Your monetary support will purchase RECs for the type of renewable energy of your choosing. This program is open to all members, but was initially designed for residential members.
  - Visit [www.enviowattsky.com](http://www.enviowattsky.com) for more details.



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For more information or to begin your  
green energy journey, contact your local co-op.

As always, thank you for being a  
Kentucky's Touchstone Energy Cooperative member!

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