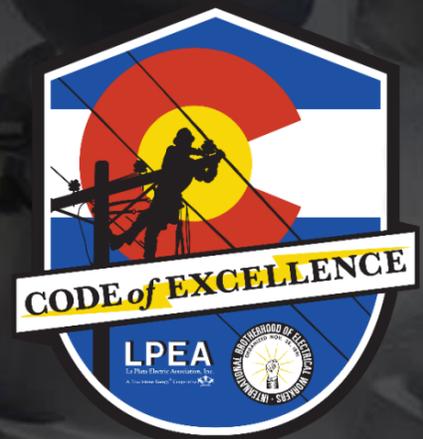


LPEA

La Plata Electric Association, Inc.

A Touchstone Energy® Cooperative 

Beneficial Electrification (A.k.a. Responsibly Electrify Everything!)

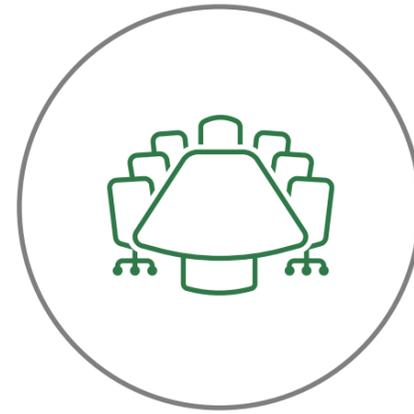


About LPEA



Cooperative

A rural electric co-op founded in 1939. We deliver power at cost to our members – who are also our owners.



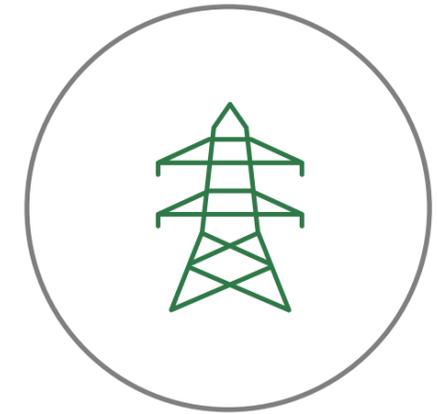
Board of Directors

Governed by a locally elected 12-person board of directors.



Top Five

Fifth largest of 22 cooperatives in Colorado.



Power Supply

We sell close to a billion kWh's a year - 95% from Tri-State and 5% sourced locally.

Strategic Goal

LPEA will strive to reduce its carbon footprint by 50% from 2018 levels by year 2030 while keeping members' cost of electricity lower than 70% of its Colorado cooperative peers.



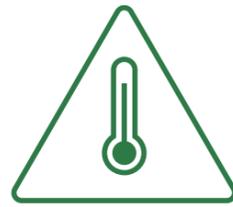


Beneficial Electrification (BE)

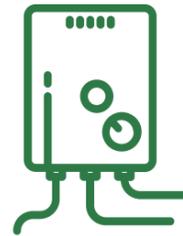
Beneficial Electrification means using electricity as a power source (over propane or gas) when doing so satisfies at least one of the following conditions, without adversely affecting the others:

- Saves members money.
- Benefits the environment and reduces GHG emissions.
- Fosters a more robust and resilient power grid.

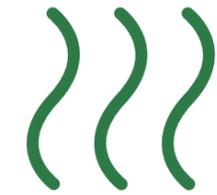
Examples of BE Technology



Heat Pumps



Heat Pump
Water Heater



Electric Thermal
Storage (ETS) Heater



Outdoor Electric
Equipment



Electric
Vehicles



Induction
Cooktops



E-Bikes

Heat Pump Benefits

- Save \$700/yr + on heating & cooling bills when compared to propane. Save \$1,100/yr when compared to traditional electric.
- Ductless installations make for easy retrofits and cost-effective options for new construction.
- Dual heating and cooling functions.
- A core piece of a fully-electric home, requiring no gas installation.
- **LPEA rebate:** Up to \$500/ton





Heat Pump Water Heater Benefits

- Save \$500/yr + in fuel costs compared to propane.
- Competitive with natural gas with a small annual savings in fuel and cheaper upfront costs after rebates.
- LPEA electricity has lower emissions than propane and continues to grow cleaner over time.
- **LPEA rebate:**
 - \$700 when switching from propane
 - \$550 from electric to heat pump water heater

Electric Thermal Storage (ETS) Benefits

- Heat with ½ price electricity on LPEA's Time-of-Use rate. Save 30% compared with propane.
- Reduce emissions by shifting the heater's operation to periods of high renewables.
- Comfortable heat that maintains an even temperature without drying out the air.
- Easy retrofits or supplemental heat with room units and larger whole house systems.
- **LPEA rebate: \$30/kW**



Electric Equip. Benefits

- Wide range of tools and recreational equipment.
- Replace dirty two-stroke engines with zero-emission alternatives. Smell the difference.
- No more jerry cans, gas spills, or trips to the gas station just to mow the lawn.
- **LPEA rebate:** Get 25% back on your purchase, up to \$150.





EV Benefits

- Save \$600/yr in fuel costs by swapping from a 30/mpg car. Or \$800 enrolled in our time of use rate. That's the equivalent of buying gas for \$.60 gallon.
- No more trips to the gas station. The car is full and ready to go every morning.
- Very low maintenance due to few moving parts - no transmission, engine or oil.
- Silent operation, powerful, and fun to drive.
- No exhaust.
- **LPEA rebate:**
 - Free level-2 charger to own. LPEA manages these to keep your charging to off peak half price energy time unless you need to override it for any reason.
 - Up to \$500 to assist with any wiring costs

Induction Cooktop Benefits

- Faster cooking with double the efficiency of gas.
- Improves household (and global) air quality.
- Safer - no open flame.
- Cleaner. Stove stays relatively cool, which means no stuck-on food mess.





E-bike Benefits

- Low-cost, energy efficient, and emission free transport.
- Easy to use. They ride just like a normal bike and take virtually no practice.
- Get outside and reverse the stress of commuting.
- Explore the region at a fast pace, long range, and fun riding.
- **LPEA rebate: \$150**

Electric Grid Benefits

- Increases access to intermittent renewable energy.
- Prevents growth of "peak demand" and the need to upgrade infrastructure to accommodate it.
- Provides dispatchable energy which improves reliability and grid versatility.



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Q & A

www.lpea.coop

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