

2018

Energy Efficiency Products

A Touchstone Energy® Cooperative



TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.

Product

Specs

Rebate incentive

Residential

Residential LED lamps

- LED light bulbs, lamps or fixtures 500 lumens or greater
- Medium, GU24 or other residential/light commercial oriented base
- Multi-LED light sources like rope-light, LED troffers, or under-counter lighting will be considered as a single fixture

- Lower of: \$8/lamp/fixture or 50% of the lamp/fixture cost
- Member-owner account cap of 50 lamps per year

Energy Star® appliances

- Eligible appliances include: refrigerators, freezers, clothes washers, clothes dryers, dishwashers
- Must be Energy Star® rated. A list of qualifying equipment is available at www.energystar.gov

- \$30/unit, full size refrigerators or freezers
- \$60/unit for refrigerator/freezer recycling
- \$40/unit for front load clothes washers
- \$30/unit for top load clothes washers
- \$30/unit for clothes dryer (electric only)
- \$90/unit for hybrid heat pump clothes dryer (ventless)
- \$20/unit for dishwashers

Low income weatherization

- Provide incentives to member systems that participate with their state's Low Income Weatherization program
- Package may include: insulation, windows, caulking and entrance doors, CFLs, etc.

- 50/50 match with member systems
- Cap of \$500 for Tri-State participation per member-owner account

Commercial

Pre-authorized commercial LED lighting

- LED only
- Includes exterior wall mounted lighting, exterior pole mounted lighting, refrigerated case lighting, and interior lighting
- Used for both retrofit and new construction projects
- One project per category, per member-owner account per year

- Pre-set amount by fixture type as outlined in spreadsheet available on the MIC
- Pole mounted lighting cap of \$20,000 or 25% of total LED head cost per project/account
- Refrigerated case lighting cap of \$3,000 or 50% of total LED fixture cost per project/account
- All other retrofit or new construction fixture types have a combined cap of \$20,000 or 50% of LED fixture cost, per project/account

Irrigation motor program

- Motor sizes 10 to 500hp
- Limited to irrigation motors
- Refer to table in fact sheet for minimum motor efficiencies
- Operating at minimum of 15% load factor or 3 months per year

- \$8/hp
- \$1.50/hp wiring assistance if the motor replaces a fossil-fueled engine, or is a new installation

Variable speed drive (VSD) retrofit

- Motors from 25hp and up
- Program includes: irrigation, farm, commercial and industrial uses
- Only retrofits to existing installations, no new and no maintenance replacements

- Sliding scale for incentives from \$1,600 to \$6,800
- Refer to table of incentives (on page 4) for specific motor horsepower
- Cap of 50% of the VSD equipment costs
- Per project cap of \$20,000

Product

Specs

Rebate incentive

Res and Comm

Electric water heaters and heat pump water heaters

- Energy Star® residential unit or any commercial installation

- Electric resistance water heater – 30 to 55 gallon only, \$30/unit, \$20/unit additional incentive for lifetime tank warranty
- Air source heat pump water heater – \$350/unit, 30 gallon minimum
- Ground source heat pump powered or waste heat – Any size qualifies, \$100/unit for primary heating by direct exchange ground source or heat pump waste heat (a.k.a. desuperheater), \$25/unit additional incentive for lifetime tank warranty

Energy Star® air conditioners

- Minimum equipment size is 1 ton
- A list of qualifying equipment is available at www.ceedirectory.org

- \$100/unit split system Energy Star® rated air conditioners from 15 to 16 SEER
- \$150/unit split system Energy Star® rated air conditioners over 16 SEER

Electric thermal storage and thermal slab

- Minimum qualifying load for ETS is 1 kW

- \$16/kW for ETS units controlled by timers or master control system
- Thermal slab \$12/kW for slabs controlled by timers or master control system

Electric heat pump: air source

- Minimum 15 SEER
- Minimum equipment size is 1 ton (12,000 Btuh)
- Energy Star® rating not required

- \$300/ton for units rated from 15 to 17 SEER
- \$450/ton for units greater than 17 SEER
- \$100/unit additional incentive for central air source with integrated controlled ETS backup in lieu of a separate ETS incentive
- \$85/unit for terminal units (through-the-wall mounted heat pumps)

Electric heat pump: central ground source

- Minimum 3/4 ton (9,000 Btuh) to receive an incentive
- Energy Star® not required

- \$500/ton

Our purpose

Tri-State's Energy Efficiency Products (EEP) program has been in place since 1985 and is a partnership between Tri-State and our member systems. It is designed to promote efficient electric products, the wise use of electricity, and new electric technologies that represent value for member systems, their member-owners and Tri-State.

All Tri-State member systems are eligible to participate and they may tailor product selection to meet their specific goals.

The future of EEP

Throughout the year, Tri-State, working with our member systems, continually reviews new and existing energy efficiency technologies, energy codes, regulations and market trends to ensure the EEP program continues to meet the needs of our member systems and their member-owners. Going forward, Tri-State's EEP program offerings will continue to evolve and keep pace with Energy Efficiency technology and equipment.

Variable speed drive retrofit

Motor nameplate hp	Rebate incentive
Less than 25	No incentive
25	\$1,600
30	\$1,750
40	\$2,050
45	\$2,350
50	\$2,650
75	\$3,100
100	\$3,800
125	\$4,600
150	\$5,300
200 and larger	\$6,800

Pilot programs

Touchstone Energy advisor training

Energy Solutions Kick-Start and Solar 101 - Tri-state will cover 50% (up to \$400) of tuition cost for member system employees per year.

Energy auditing training

Tri-State will match 50% of tuition costs up to \$650 per co-op for successful completion of pre-approved Energy Auditor certification. This is for member system employees seeking new certifications only. Please submit desired auditing course information to your relationship manager for pre-approval.

Electrification

This is part of an EPRI program covering truck stop areas, transportation refrigeration unit electrification and electric forklifts. Tri-State will rebate up to \$2,500 for truck stop and transportation refrigeration unit projects and will rebate up to \$1,500 for electric forklifts. Overall program cap of \$150,000.

Industrial manufacturing/agricultural processing audits

Audits provided by the Industrial Audit Center at Colorado State University or other agreed provider. Limited to one audit per Member System. Program cap of \$120,000. Tri-State will rebate up to 75% of the cost of the audit. Tri-State may choose to fund a portion of the implementation cost. Per project cap of \$30,000.

Energy efficiency pilot

Ideas proposed and submitted by member systems with future benefits to Tri-State and the members. Program cap of \$100,000. Funding is at Tri-State's discretion.

Refrigerated case EC fan motor retrofit pilot

\$50 per motor

Education programs

Tri-State sponsored education programs

Tri-State will, with interested member systems, conduct seminars on: advanced efficient irrigation techniques and technology applications, awareness, education and application on residential energy efficiency, energy efficient motors and drives seminar, infrared camera workshops, heating/cooling/water heater workshops, other areas of interest to the member systems

Rebate incentive

Tri-State will assist with the costs of the seminars.

Advertising program

Each member system is eligible to apply for matching funds spent specifically on energy efficiency advertising— radio, print, online, etc. Member Systems can submit up to \$8,000 in qualified expenses for a reimbursement of 50 percent with a maximum payout of \$4,000 per calendar year. For more information contact your relationship manager.

Energy efficiency references

The Colorado Energy Office

www.colorado.gov/energy | 303-866-2100

Nebraska Energy Office

www.neo.ne.gov | 402-471-2867

New Mexico Energy Conservation and Management Division

www.emnrd.state.nm.us/ECMD | 505-476-3310

Wyoming Business Council

www.wyomingbusiness.org/energy | 307-777-2800

Energy Star®

www.energystar.gov

Energy Star® Product look-up

<https://data.energystar.gov>

For further information on Tri-State Energy Efficiency Products contact your Relationship Manager:

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