



TRI-STATE G&T

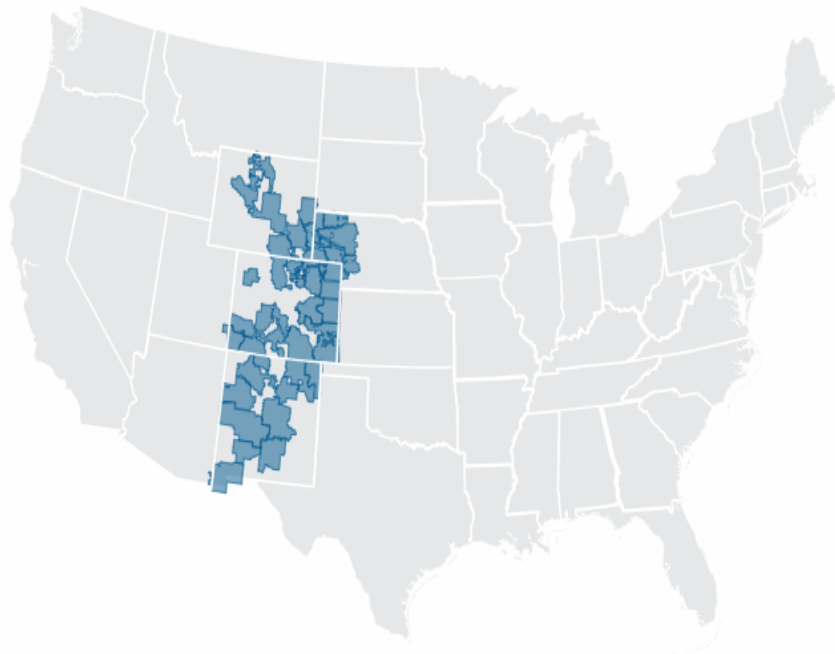
A Touchstone Energy[®]
Cooperative



Tri-State G&T Electric Vehicle and EV Supply Equipment Programs

Vince Martinez, Sr. Governmental Relations Advisor

Who we are



Our Mission

Tri-State Generation and Transmission Association, Inc. is a not-for-profit cooperative power supplier. Our mission is to provide our member systems a reliable, affordable and responsible supply of electricity in accordance with cooperative principles.

Our Members

We are a cooperative of 45 members, including 42 electric distribution cooperatives and public power districts in four states that together provide power to more than a million electricity consumers across nearly 200,000 square miles of the West.

Cooperative Difference

What makes us unique among utilities is that cooperatives like Tri-State are member-owned and governed and operate on a not-for-profit basis. Our governing decisions are based on sound financial principles, utility industry best practices and, most importantly, the needs of our members. [Learn more.](#)

Who we are



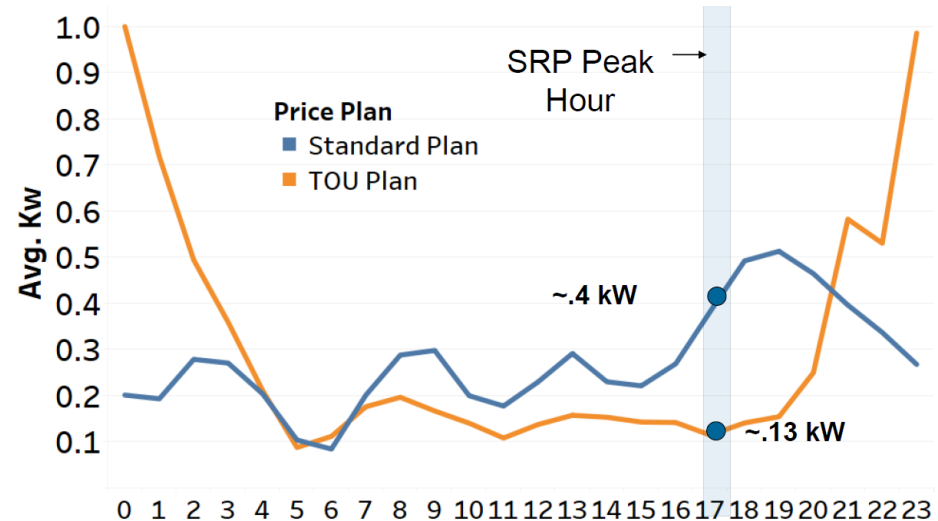
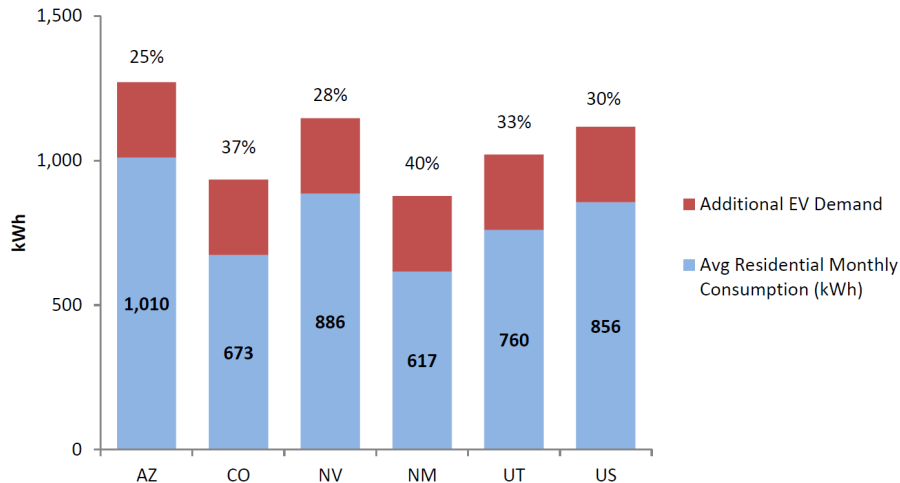
- Central NM Electric Cooperative, Inc.
- Columbus Electric Cooperative, Inc.
- Continental Divide Electric Cooperative, Inc.
- Jemez Mountains Electric Cooperative, Inc.
- Mora-San Miguel Electric Cooperative, Inc.
- Northern Rio Arriba Electric Cooperative, Inc.
- Otero County Electric Cooperative, Inc.
- Sierra Electric Cooperative, Inc.
- Socorro Electric Cooperative, Inc.
- Southwestern Electric Cooperative, Inc.
- Springer Electric Cooperative, Inc.

Why Electric Vehicles?



- Member engagement opportunity
- Member load building opportunity
 - EV presents manageable load growth opportunity

Figure 3 | Growth of Electricity Consumption per Household When an EV is Added



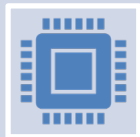
Common challenges/barriers to EV ownership



National studies on EVs have some similar findings

- People are unfamiliar with and need educated on EV and charging
 - e.g. most people don't know they can charge an EV at home
 - Some EV owners can even get away with 110v/L1
- People who test drive an EV are much more likely to consider purchasing an EV
- EV make/model availability

Educational Material



Suite of turnkey educational material for our membership

Choose EV

Animated “Beginner EV” videos

Fact Sheets



Outreach and engagement material



EV Experience Fleet

Education – Choose EV



CHOOSE EV

BENEFITS

EV FACTS

SAVINGS
CALCULATOR

COMMUTE
SAVINGS

EV MODELS

PHEV MODELS

INCENTIVES &
EVENTS

CHARGER FINDER

Electric vehicles, a smart transportation choice.

Electric Vehicles (EV) Cost Less To Operate Than Gas Powered Cars.

EV operation can be three to five times cheaper than gasoline and diesel powered cars, depending on your local gasoline and electric rates.

EVs Are Environmentally Friendly.

EVs have no tailpipe emissions. The power plant producing your electricity may produce emissions, but electricity from hydro, solar, nuclear or wind-powered plants is generally emission-free.

Never Go To The Gas Station Again.

Electric vehicles do not require gasoline and can be charged at home with a standard 120V outlet or a 240V level 2 charger can be installed for faster, more efficient charging.

EV Performance Benefits.

Electric motors provide quiet, smooth operation, stronger acceleration and require less maintenance than gasoline-powered internal combustion engines.

EV Driving Range & Recharge Time.

EV range is typically around 80 to over 330 miles on a full charge. The average American's daily round-trip commute is less than 30 miles. Fully recharging the battery pack can take four to eight hours. A "fast charge" to 80% capacity can take 30 min.*



Education – Fact Sheets and Videos

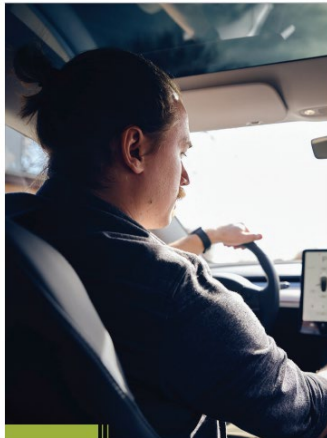


♦ BENEFICIAL ELECTRIFICATION

ELECTRIC VEHICLE (EV) QUICK FACTS



TRI-STATE



♦ EVS ARE ENVIRONMENTALLY FRIENDLY

EVs have no direct tailpipe emissions. Electricity is moving towards less emissions with the additions of hydro, solar, and wind power, making EVs an increasingly "greener" choice.

♦ NEVER GO TO THE GAS STATION AGAIN

Electric vehicles do not require gasoline and can be charged at home with a standard 120V outlet or a 240V level 2 charger can be installed for faster, more efficient charging.

♦ EV PERFORMANCE BENEFITS

Electric motors provide quiet, smooth operation, stronger acceleration and require less maintenance than gasoline-powered internal combustion engines.

♦ EV DRIVING RANGE & RECHARGE TIME

Depending on the vehicle, an EV's range can be 80 to 330+ miles on a full charge. The average American's daily round-trip commute is less than 30 miles. Fully recharging the battery pack can take 4-8 hours. A "fast charge" to 80% capacity can take 30 min.*

*Source: Idaho National Laboratory "Plugged In: How Americans Charge Their Electric Vehicles" https://afdc.energy.gov/fuels/electricity_charging_home.html

EV CHARGING

Charging your electric vehicle requires plugging into a charger connected to the electric grid. There are three major categories of chargers, based on the amount of power the charger can provide: Level 1, Level 2 or Direct Current Fast-Charge (DCFC).

TYPE	ELECTRIC SOURCE	ELECTRIC DEMAND	EV CHARGING RATE
Level 1	120 Volts AC	1.4-1.9 kW	5-7 miles added per hour of charge
Level 2	240 Volts AC	3.6-19.2 kW	10-60 miles added per hour of charge
DCFC	480 Volt AC, 3-phase	50-400 kW	80% capacity can take 30 minutes

Be sure to consult with your local cooperative or public power district before purchasing a high-amperage charging system, as some high-power systems may require significant electrical upgrades to your home.



Education – Fact Sheets and Videos



Owning an electric vehicle will **save the typical driver \$6,000 to \$10,000 over the life of the vehicle**, compared to owning a comparable gas-powered vehicle.



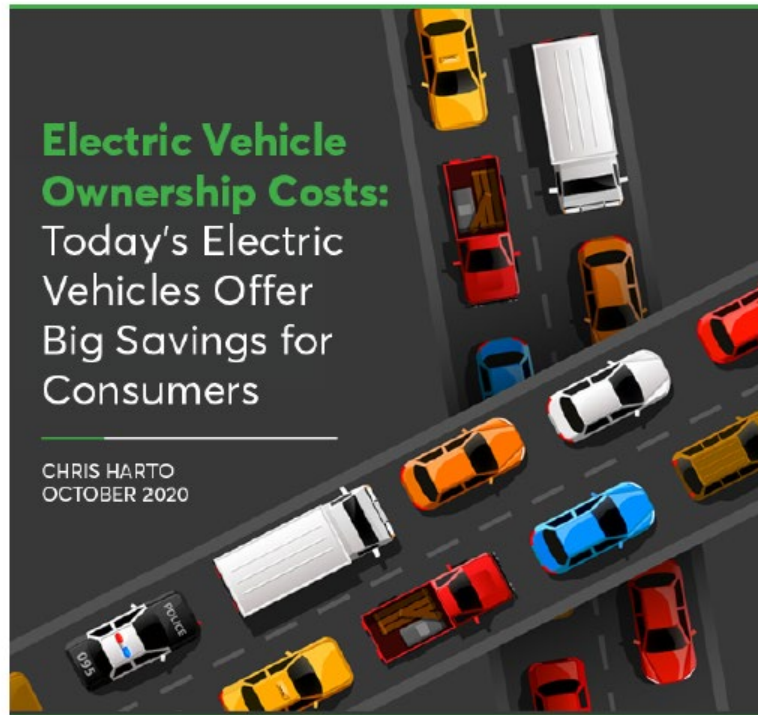
How EVs save consumers money

- The average EV driver will **spend 60% less** to power their vehicle than the owner of a gas-powered vehicle.
- EV owners are spending **half as much to repair and maintain** their vehicle as owners of gas-powered vehicles; with much of that savings benefiting used car buyers.
- Owners of EVs with a range of 250 miles or greater will be able to do **92% of their charging at home**, needing only six stops at a public fast-charger per year.



Read the report at:
[CR.org/Advocacy](https://www.consumerreports.org/advocacy)

CR Consumer Reports



CR Consumer Reports

EV Experience Fleet



Ride & Drive support

4 EVs/PHEVs are available
to member systems w/ 2
Ford Lightning's on order

Up to 3-week vehicle loans

Brand-ready educational
materials



EVSE Incentive Programs



Residential/Private Level 2

- 50% cost up \$500 for unmanaged
- 50% cost up \$1000 if enrolled in managed program



Commercial/fee capable chargers

Level 2

- 50% cost up to \$1000 for payment capable

Direct-Current, Fast Charge

- 50% cost up to \$3,000 for 50 - 75 kW
- 50% cost up to \$5,000 for 76 - 149 kW
- 50% cost up to \$7,500 for ≥ 150 kW

NM Commercial EVSE examples



- Socorro Electric Cooperative, Inc.
 - (8) Tesla Super Chargers, site host: Best Western
- Central NM Electric Cooperative, Inc.
 - (1) DCFC, site host: Tillery Chevrolet/GMC

EVSE Incentive Programs



Electric Vehicle Infrastructure Program (“EVIP”)

- \$45,000 per Member System
- Member-directed- can be used for make-ready, partnerships, equipment or other development costs
- Targeted to increase publicly accessible infrastructure, both DCFC and Level 2

EVIP installations



- Mora-San Miguel Elect Cooperative, Inc.
 - (1) DCFC & L2, site host: Los de Mora (local food growers cooperative)
- Mountain Parks Electric
 - (14) L2 chargers, site host: Winter Park ski area
- Highline Electric Association
 - (1) Battery integrated, DCFC, site host: Julesburg, CO Conoco

Looking forward



- Managed charging programs
 - Expand options with growing technology for flexible grid
- Multi-family and income-qualified
 - Most charging occurs at “home”
 - Ensure access to charging
- Commercial fleets
 - School/public bus, box trucks, etc.

Contact Information



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