



Colorado Electric Vehicle Update

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Xcel Energy

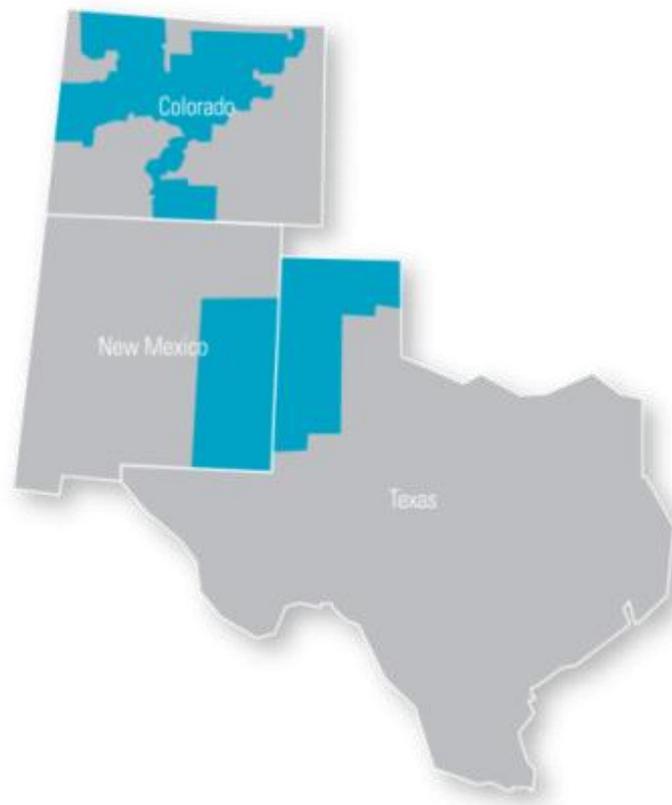


Serving eight states

- 3.6 million electricity customers
- 2 million natural gas customers

Nationally recognized leader:

- Wind energy
- Energy efficiency
- Carbon emissions reductions



Xcel Energy Priorities



Lead the Clean
Energy Transition



Enhance the
Customer Experience



Keep Bills Low

Leading the Clean Energy Transition: Carbon Objectives

2018



2030



2050



- ✓ Protect energy reliability and affordability
- ✓ Support from our states and stakeholders
- ✓ Constructive public policy
- ✓ Develop carbon-free 24/7 technologies for 2050

EV Implementation Plan



Xcel Energy Electric Vehicle Strategy:

- Making EV adoption easier
- Creating charging infrastructure
- Establishing rates and technology to encourage charging on low-cost, low-carbon energy



**Home
Charging**



**Public
Charging**



**Fleet
Operations**



~17,000 EVs in Xcel Energy-Colorado territory
~40 public fast charging stations
~422 public charging stations

Colorado Senate Bill 19-077

- **Infrastructure:** Clarified utilities can own EV charging infrastructure including chargers
- **Planning:** created an obligation for investor-owned utilities to submit a Transportation Electrification Plan to the PUC every three years
- **Rates:** required utilities to develop a commercial charging rate (generally applicable to fleet/transit charging and also public fast charging stations)
- **Labor:** qualification requirements for behind-the-meter work, utility-owned infrastructure must use utility employees or qualified contractors with access to an apprenticeship program.

Overview of EV Filings



Initial Filing	Topic	Vehicle	Summary
Dec-18	EV line extension	Line extension filing	Final decision approved by CPUC with October 1, 2019 effective date; clarified EVs charging stations are treated as “permanent service” and subject to policy that provides distribution line extension credits and construction allowances.
May-19	EV rates: fleet, public fast charging (SB19-077)	Separate filing	Unopposed, comprehensive settlement agreement filed with CPUC in August 2019. Will implement optional commercial rate schedule for fleet and public charging station customers with significantly reduced remand charges and Time-of-Use rates to incentivize off-peak charging.
Summer 2019	Smart charging pilot	DSM plan modification	Working with GM, Ford, Honda and BMW to optimize charging with respect to grid conditions through the vehicles’ charging controls.
Aug-19	EV make-ready infrastructure, 2020-2021	Separate filing	Company’s first entrance into utility-owned, behind-the-meter EV supply infrastructure, we plan to use external contract labor. We intend to work with IBEW Signatory electrical contractors This initiative triggers additional line extension work that is on the Company side of the meter. Application filed with CPUC for approval of deferred accounting for \$9M of capital and incremental O&M related to EV projects already under development.
Late 2019	Residential rates in TOU options	Residential rates filing	Residential rates in TOU options: Filing currently required on or before December 2, 2019 for final residential TOU rate schedule under which all residential customers may take service after receiving AMI meters in 2021-2024.
Spring 2020	Transportation Electrification Plan (SB19-077)	Separate Filing	Filing required on or before May 15, 2020 for Company’s comprehensive plan related to investment in EV infrastructure for 2021-2023.



Thank You

