



**PUBLIC SERVICE COMPANY OF COLORADO
2021-2023 TRANSPORTATION ELECTRIFICATION PLAN (TEP)
QUARTERLY STAKEHOLDER MEETING**

September 22, 2022

AGENDA

1. **TEP Program Development, Updates, & Timelines**
2. **60 Day Notices**
 - HEC
 - Program Adjustments
3. **Discussion Topics**
 - CO TEP 2024-2026
4. **Wrap Up**



1. TEP PROGRAM DEVELOPMENT, UPDATES, & TIMELINES

Equity Programs, Residential Portfolio, MFH Portfolio, Commercial Portfolio, Advisory Services, Partnerships/Research/Innovation (PRI)



Xcel Energy Transportation Electrification Plan: Updates

TEP Semi-Annual Report – Filing October 13, 2022.

- Updates on program participation, program/portfolio spending, EV adoption, other metrics (where available) as outlined in the Final TEP
- Top level program summary:
 - Supply chain issues have improved but inflation worsened. With that, participation continues to increase as programs as the TEP reaches its first full year of programs being in market
 - Strong Demand in Residential, MFH, Fleet, Workplace, and Public TEP Programs (EVSI)
 - Actively working to increase participation in MFH/Commercial equity rebate programs.

Xcel Energy Transportation Electrification Plan: Status

Overview of applications and participation in MFH, Fleet, Workplace, Community Charging and Public TEP Programs (EVSI + Optional Charging Stations)

(Note: Data as of September 1, 2022)

Program	Actual Charging Station Ports Awarded by Program (as of 3/1/2022)	Actual Charging Station Ports Awarded by Program (as of 9/1/2022)	Original Goal for Charging Station Ports Supported by Program (as of 12/31/2022)	Percent of Goal
Multifamily Housing – Shared Parking EVSI	114	140	210	67%
Multifamily Housing – Assigned Parking EVSI	239	398	120	332%
Fleet EVSI	120	197	557	35%
Workplace EVSI	146	359	558	64%
Community Charging Hubs	4	70	139	50%
Primary General EV Pilot	34	40	120	33%
Public EVSI	167	252	96	263%

Xcel Energy Transportation Electrification Plan: Status

Overview of applications and participation in Residential and Equity programs

(Note: Data as of September 1, 2022)

Program	Actual Charging Station Ports/Rebates Awarded by Program (as of 3/1/2022)	Actual Charging Station Ports/Rebates Awarded by Program (as of 9/1/2022)	Original Goal for Charging Station Ports/Rebates Supported by Program (as of 12/31/2022)	Percent of Goal
Fleet & Workplace -Income Qualified Rebate	0	0	90	0%
Small Business Program	0	2	N/A	NA
Community Charging Hubs - Income Qualified Rebate	0	0	96	0%
Multifamily Housing Income Qualified Rebate	0	0	48	0%
Home Charging Service (EVAAH)	417	782	4,900	16%
Standard EV Charger and Wiring Rebate	440	938	7,900	12%
Income Qualified EV Charger and Wiring Rebate	13	40	150	27%

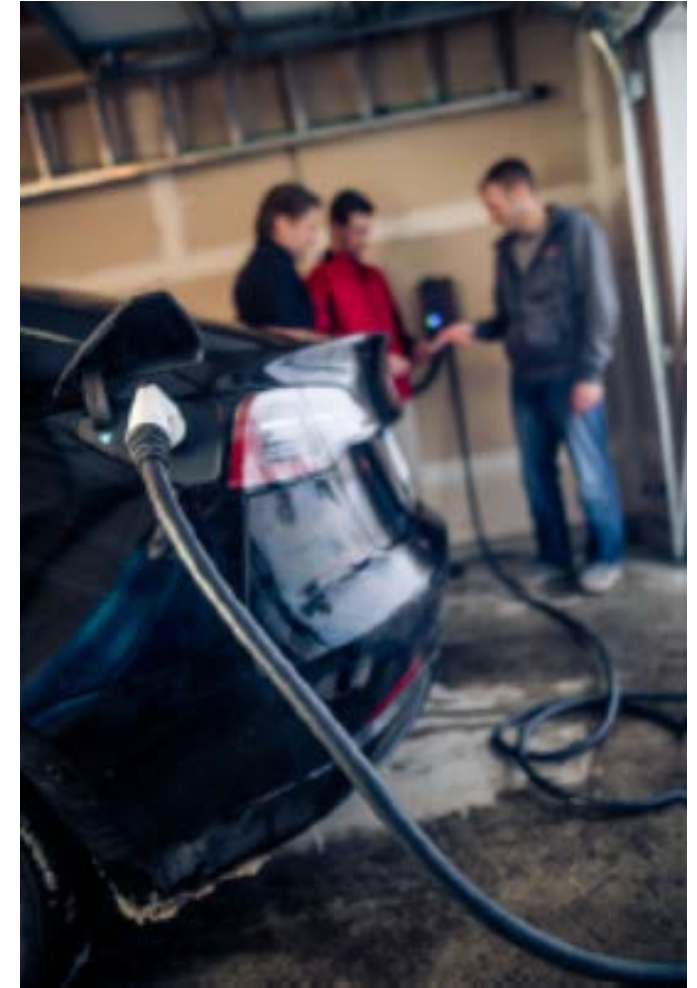
Residential Home Charging Programs

EV Accelerate At Home (EVAAH)

- Program Launched in Colorado on August 5, 2021
 - Provides hassle-free installation and maintenance of utility-owned level 2 charger for \$13.29 monthly fee
 - EV static optimization required for 1 year (opt-out for income-qualified customers)
 - As of 9/1/2022:
 - 782 completed installations
 - 246 pending applications
- *Capital spend as of 9/1/2022: \$639,005

EV Charger/Wiring Rebate

- Up to \$500 market rate or \$1,300 for income-qualified customers
 - Offered to customers installing eligible charging stations or driving eligible vehicles
 - As of 9/1/2022:
 - 978 approved applicants (including rebates given through EVAAH; 40 income-qualified)
- *Capital spend as of 9/1/2022: \$464,610



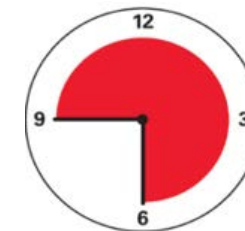
Residential Optimization

Optimize Your Charge Program (Static Optimization)

- Program live in CO Aug 2021
 - Customers get \$50 annual bill credit for charging at least 25% of the time during one of three off-peak charging schedules.
 - Current participation via eligible Level 2 chargers (Enel X & ChargePoint) and WeaveGrid evPulse for most Hyundai, Kia, Tesla, Lexus & Toyota EVs.
 - As of 9/1/2022, 1,560 participants in OYC (782 via EVAAH, 778 using their own charger or enrolling through the WeaveGrid API interface)
 - In October 2022, 1,391 customers will receive the \$50 bill credit

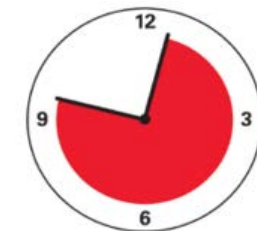
Charging Perks Pilot (Dynamic Optimization)

- Pilot launched: June 2021 for Tesla; Sept 2021 for GM, Ford, Honda & BMW. Pilot has been extended through 2023.
- Pilot details
 - Participants receive a \$100 incentive for enrolling, additional incentive at the end of 2021 and 2022 (\$50 for Level 1 charging, \$100 for Level 2 charging)
 - Xcel Energy, along with automakers and evPulse (for Tesla), work together to schedule EV charging when renewables are abundant, and costs are lowest
 - Participant cap increased from 600 to 1000 vehicles, minimum of 50 vehicles per manufacturer planned
- 443 active electric vehicles (participants) as of 9/1/2022



9:00 p.m.–6:00 a.m.

21:00 - 06:00



12:30 a.m.–9:30 a.m.

00:30 - 09:30



6:00 a.m.–3:00 p.m.

06:00 - 15:00



EV Purchase/Lease Rebate for Income Qualified Customers

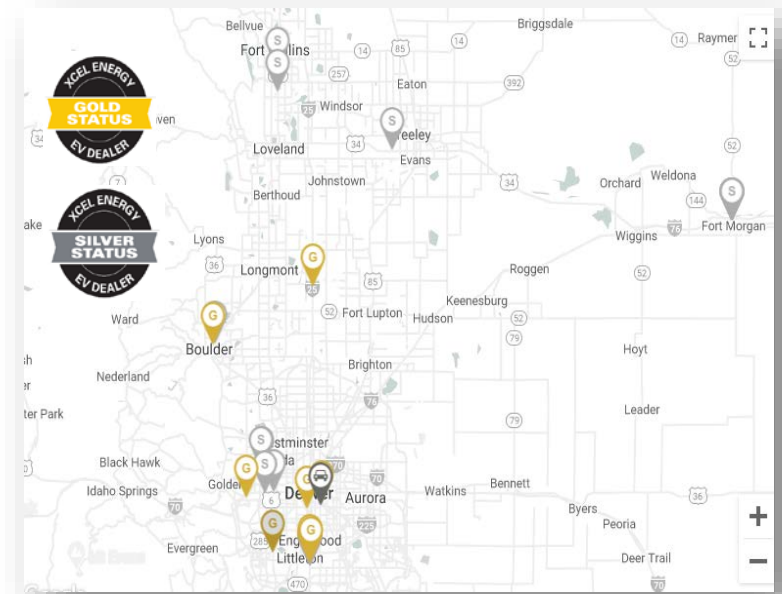
- Income-qualified customers get \$3,000 off a pre-owned EV and \$5,500 off a new EV; maximum MSRP or sale price is \$50,000
- Program live in August of 2021; over 150 applications received to date
- As of 9/1/2022, 78 rebates issued (57 new, 21 pre-owned) and about 107 applications in process
- Customers can become pre-qualified and get an instant rebate at dealers in our network – or can apply for the rebate after they purchase the car from any dealer, whether in-network or out-of-network
- Continuing to work with partners like GRID Alternatives Colorado, Drive Electric Colorado, Women Who Charge, CLEER, and others on targeted outreach
- Upcoming events:
 - Planned events: final Levitt Pavilion concerts, East High School Energy Day STEM Event, Summit County Ride and Drive, community and neighborhood-focused EV events
 - Recent events: Cherry Creek Arts Festival, Colorado Black Arts Festival, Ohm on the Rocks, Levitt Pavilion Concert Series.



*Capital spend as of 9/1/2022: \$351,825

EV Dealer Network (Advisory Services)

- Our voluntary network of local dealer partners was launched in March 2021
- We offer in-showroom tools and resources to help customers save and get set up to charge their EVs at home
- The network has grown!
 - 27 Dealers in Colorado, 58 dealers across Xcel Energy's footprint
 - 10+ more dealerships planned in Colorado by year-end 2022
- Our network has sold over 2,900 EVs since its 2021 launch, with over 1,500 sold in CO
- Dealers in our network have been trained to offer our EV Rebate to our income-qualified customers
 - To date, 110 customers have received a code for the instant rebate, and 14 have redeemed it in-network for an EV purchase or lease.



Multi-Family Housing (MFH) Programs

EV Supply Infrastructure (EVSI) as of 9/1/2022

- Multifamily Housing – Shared Parking EVSI has received 29 applications for customer sites that support 140 ports.
- Multifamily Housing – Assigned Parking EVSI has received 28 applications for customer sites that support 398 ports.

Rebates

- Helping EVSI applicants and others apply for the rebate
 - MFH New Construction Wiring Rebate (1 application as of 9/1/22)
 - MFH Income-Qualified and Higher Emissions Community Charger Rebates (working with Energy Outreach Colorado) (9 potential applicants as of 9/1/22)

Advisory Services

- As of 9/1/22, 201 MFH leads received

*Capital spend as of 9/1/2022: \$839,773



Commercial TEP Programs

As of 9/1/2022:

Fleet EVSI

- Received 32 applications for customer sites that support 197 ports

Workplace EVSI

- Received 56 applications for customer sites that support 359 ports

Primary General EV Pilot

- Received 4 applications for customer sites that support 40 ports

Community Charging Hubs

- Received 10 applications for customer sites that support 70 ports

Public EVSI

- Received 49 applications for customer sites that support 252 ports

Small Business

- Received 14 applications and issued 2 rebates (1 IQ/HEC Charger Rebate and 1 Market Rate Wiring Rebate)

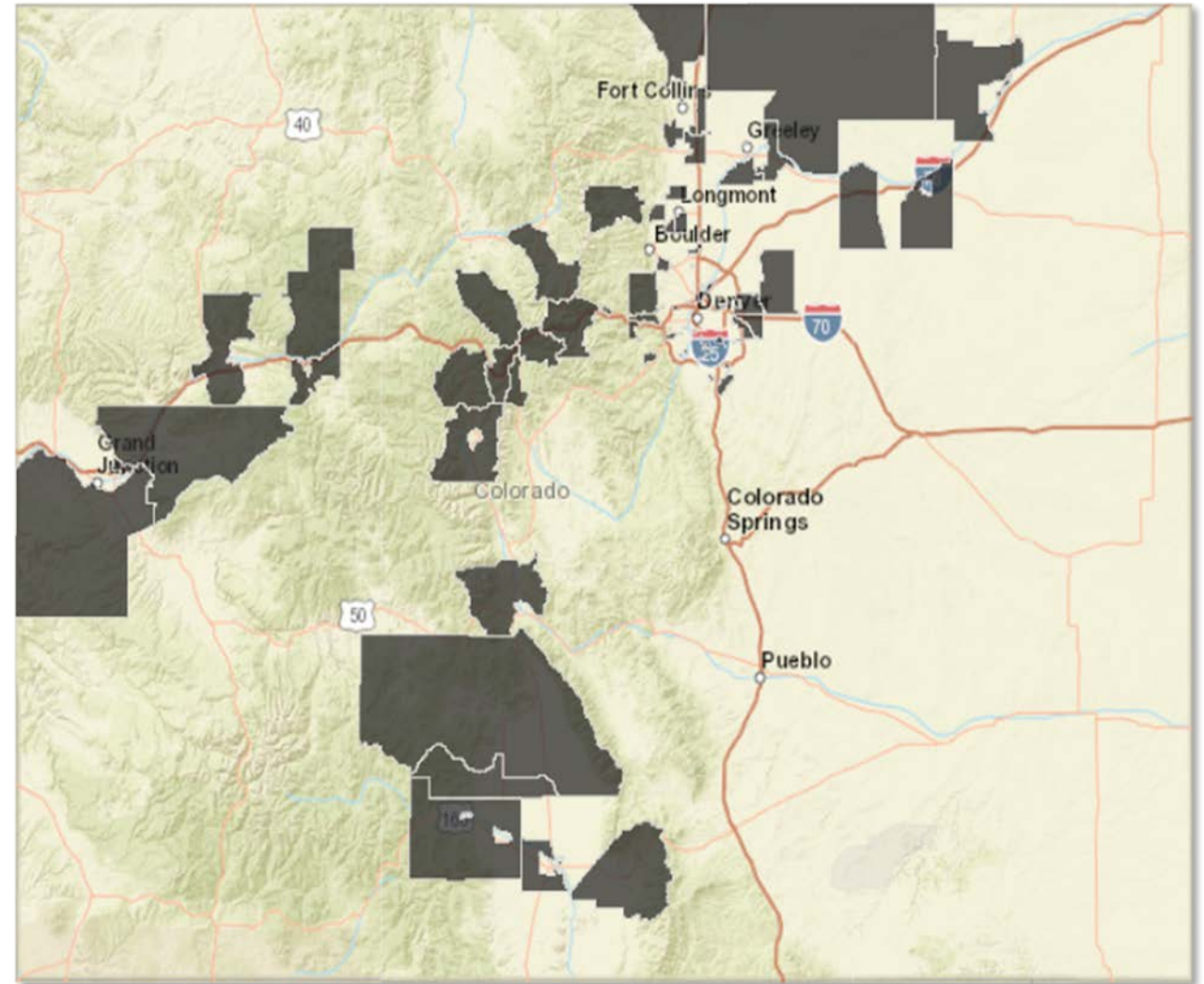


*Capital spend as of 9/1/2022: \$804,195

Public Service DCFC Program

Short List of Sites:

- Company has extensively reviewed all applications and is conducting site visits for 6 locations in the following cities/towns:
 - Monte Vista (Connector) (2 possible sites)
 - Central City (Connector) (site TBD)
 - Severance (Connector) (W 4th Ave.)
 - Eaton (Connector) (1st Street)
 - Breckenridge (Market) (2 possible sites)
 - Aurora (Market) (Havana Street)



School Buses

School Bus Rebate Program

- Launched in October 2021
 - Held 4 webinars across the territory
 - Continuous account management outreach
- Intakes are occurring
- 3 customers have submitted intake forms for participation in School Bus Rebate program. There are currently 8 enrolled in FEAP vehicle suitability assessment (required)

Funds Available (\$2.2 M)	Fund up to 8 buses
Rebate per Bus	\$275,000 Max or 75% of Project
Buses Funded YTD	0



Advisory Services – Fleet Electrification

Fleet Electrification Advisory Program

- Update on Fleet Assessments:
 - 19 applicants currently participating
 - 6 have completed a full assessment
 - Expected another 10-12 to complete by year-end
 - Covers all fleet market segments
- Nearly 1,300 vehicles analyzed, Class 1-8 (including heavy-duty vehicles)
- Intakes continue on a rolling basis
- Plan to scope and pilot an advisory tool for Account Managers to help support rate suitability, suggestions on the timing/staggering of charging, and carbon impact estimates



Advisory Services – Communities

Community EV Planning

- Xcel Energy's Partners in Energy program
 - Planning incorporates and support for implementation leverages Xcel Energy programs and 3rd party resources
 - Facilitates participation in other Xcel Energy EV offerings as appropriate
 - Regional planning interest is strong
 - Boulder County Cohort is transitioning to implementation as participating communities continue local plan development
 - Additional county level planning is starting in Arapahoe and Larimer
- No participation to date with HEC planning



Community Ride and Drive event

Partnerships, Research, & Innovation (PRI)

Portfolio Update

1 of 2

(1) EV Equitable Car Sharing*

- Launched July 27, 2022
 - Bring benefits of EVs to underserved Colorado communities through car sharing
 - Target: 17 applications | 41 received (240% of goal)



(2) EV Paratransit Fleets*

- Launched July 27, 2022
 - Reduce cost to electrify buses serving Colorado customers with a disability
 - Target: 3 applications | 5 received (166% of goal)



(3) EV Refuse Fleets*

- Launched July 28, 2022
 - Reduce cost to electrify Refuse operations to enable healthier neighborhoods
 - Target: 4 applications | 7 received (175% of goal)



*Next Steps – Final applicant selections & notify in early October

<https://co.my.xcelenergy.com/s/renewable/pri>

Partnerships, Research, & Innovation (PRI)

Portfolio Update

2 of 2

(4) Residential Resiliency

- Study impacts of EV charging on the grid with new tools to improve resiliency
 - Project kick-off is underway with National Renewable Energy Laboratory (NREL)

(5) Vehicle to X (V2X) ("X" = Home, Buildings, Grid, and others)

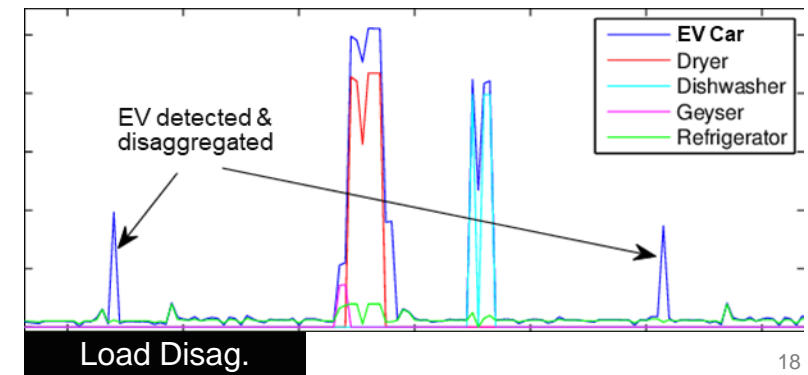
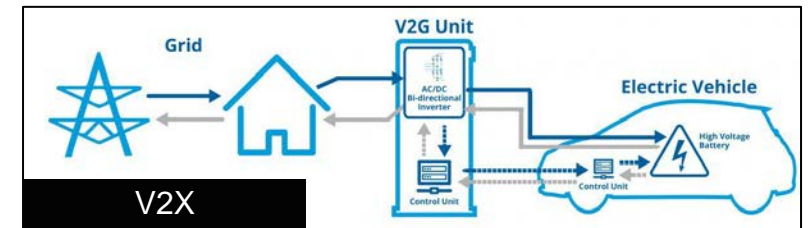
- Study & demo the feasibility of various V2X technologies & scenarios
 - EV demo with auto mfg. using V2X to power the home
 - 2 school districts advancing to demonstrate V2X
 - Assessing additional V2H, V2B, & V2G opportunities with key customers

(6) DCFC + Storage

- Study & demo innovative peak load reduction methods for the grid
 - Pursuing siting in capacity constrained area in Poncha Springs, CO

(7) Load Detection & Disaggregation

- Study & demo automated EV charging detection & load disaggregation
 - Vendor selection underway, and pilot applicant process blueprinting



2. 60/90 DAY NOTICES

Process, Schedule, Upcoming Notices

60/90 Day Notices

Process

- Proposal: Notices will be filed in the month following each quarterly stakeholder meeting
 - i.e., January, April, July, October

Pending/Upcoming notices

- Globeville HEC 60-Day Notice Summary Report
- Program Adjustments 60-Day Notice

Summaries filed

- The Company will provide a written summary of input submitted through the 60/90 Day Notice process and what feedback was incorporated, or not, and why
- The Company will file this information into Proceeding No. 20A-0204E

60/90 Day Notice: Higher Emissions Community Designations

Recommended Decision and Feedback to Public Comment

- Original 60DN was issued in early August 2022 summarizing the application to designate Globeville and Public Service's recommendation
- Received one comment from Staff

Final Recommendations:

- Designate all census block groups (CBG) in Globeville as HECs (one was not previously designated)
- Currently analyzing why this CBG may not have been originally designated using updated data from the CDPHE Climate Equity Data Viewer

For a detailed discussion, the final Summary Report will be filed soon

60 Day Notice: MFH/Commercial Charger Rebate and PRI Refuse Pilot – Program Adjustments

MFH and Commercial Charger Rebate Programs

- Rebates are available for MFH/Commercial buildings installing chargers on premises within Income-Qualified and Higher Emissions Communities.
- As of September 1, 2022, only a single Commercial Charger Rebate, a Small Business Rebate, had been issued. The Company has received feedback from potential MFH/Commercial EV Rebate applicants that the current amounts of the are insufficient to cover the actual costs of installing EV chargers.

Xcel Energy is proposing to increase the rebate amounts.

MFH/Commercial EV Charger Rebates – Program Adjustments

	Multifamily Housing Rebate	Community Charging Hub Rebate	Fleet/Workplace Rebate	Small Business Rebate
Current maximum per-port rebate amount	\$800 for Level 2 (assigned parking) \$2,200 for Level 2 (shared parking)	\$2,200 for Level 2 (4 port minimum) \$31,200 for Level 3 DCFC	\$2,200 for Level 2 \$45,000 for Level 3 DCFC	\$2,500 for Level 2 (maximum of 3 ports)
Proposed maximum per-port rebate amount	\$8,500 for Level 2	\$8,500 for Level 2 \$60,000 for Level 3 DCFC	\$8,500 for Level 2 \$60,000 for Level 3 DCFC	\$8,500 for Level 2

60 Day Notice: PRI Refuse Pilot – Program Adjustments

Original pilot

Procure and lease 1-5 electric refuse vehicles for short-term demonstrations with various municipal and private refuse fleets throughout Xcel Energy's service territory.

Issues

The Company has encountered unanticipated issues around contracting using the lease structure.

Proposed changes

The Company is now proposing this pilot shift to a rebate:

- Pilot will issue rebates to qualified participants for the purchase/lease of electric refuse trucks through an OEM and/or dealer, including enabling EVSE.



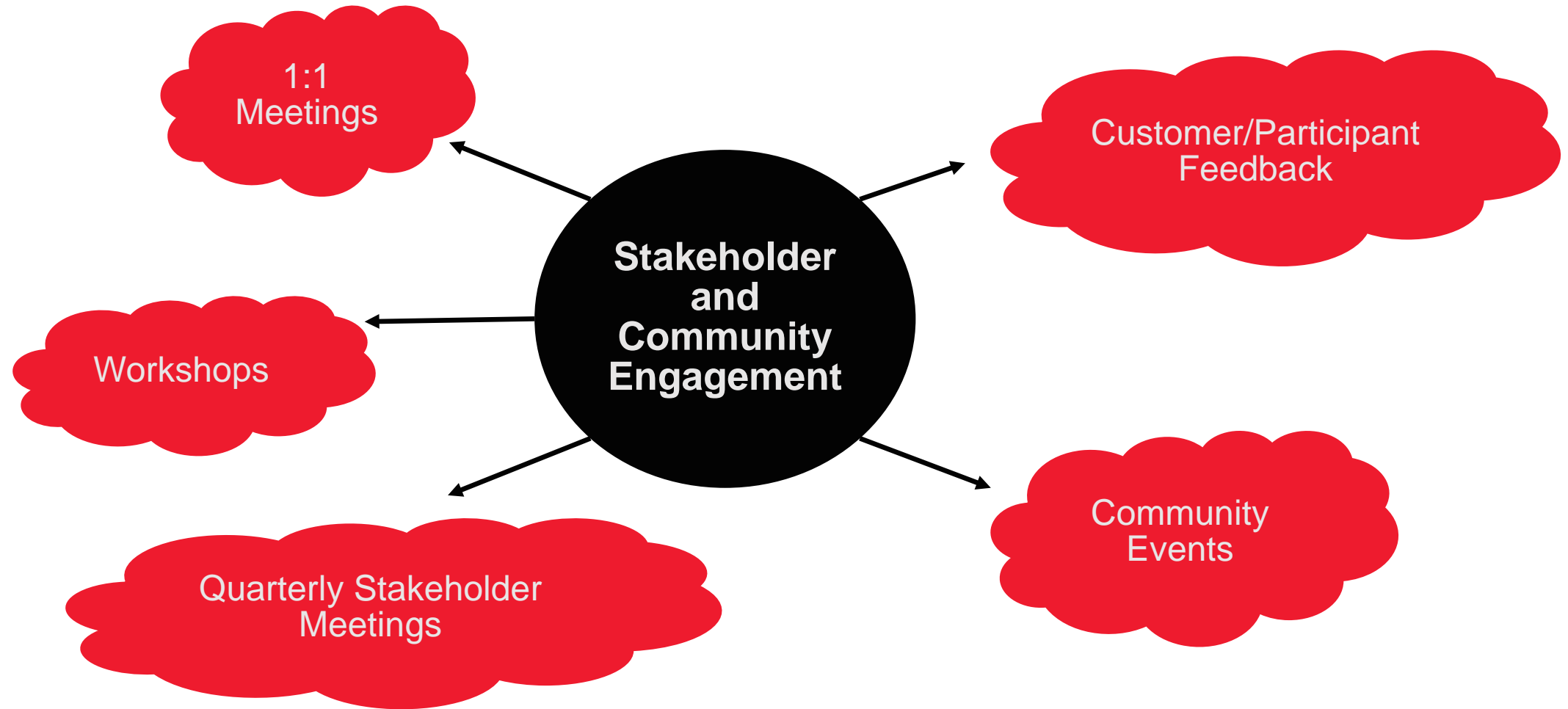
Benefits

- Rebate provides an easier path for participants to contract and obtain an electric refuse truck and associated EVSE (charging & other eligible associated costs) directly from an OEM and/or dealer.
- Allows participants greater control and flexibility over vehicle specifications (e.g. – body configuration, etc.)
- Clearer path for the vehicles to remain in operation within communities at conclusion of the pilot.

3. DISCUSSION TOPICS

CO TEP 2024-2026

Xcel Energy TEP 2024-2026 Engagement



Outreach to and input from higher emissions communities, income-qualified customers, and municipalities will be specifically incorporated in all engagement approaches.

4. WRAP UP

Next Meeting December 2022

Additional Contact Information

Jack Ihle

Xcel Energy

Director, Regulatory and Strategic Analysis

Jack.Ihle@xcelenergy.com

Jason Peuquet

Xcel Energy

Strategy and Policy Manager,
Clean Transportation

Jason.J.Peuquet@xcelenergy.com

Patrick Murphy

Xcel Energy

Regulatory Case Specialist

Patrick.J.Murphy@xcelenergy.com

Deb Erwin

Xcel Energy

Director, Policy and Planning
Clean Transportation

Deborah.E.Erwin@xcelenergy.com

Ryan Pocius

Xcel Energy

Program Lead, Partnerships, Research, Innovation
– Strategic Partnerships & Ventures / Clean
Transportation

Ryan.M.Pocius@xcelenergy.com

