



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

**June 30, 2022**

# AGENDA

1. **TEP Program Development, Updates, & Timelines**
2. **Discussion Topics**
  - Public DCFC Siting
  - TEP Evaluation and Reporting
3. **60 Day Notices**
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](#) – Filed April 1, 2022.

- Updates on program participation, program/portfolio spending, EV adoption, other metrics (where available) as outlined in the Final TEP
- Top level program summary:
  - Ongoing challenges on global supply chains and pandemic impacting the EV industry and TEP program participation. However, program participation is increasing and picking up pace during the first 6-9 months of programs being in market
  - Strong Demand in MFH, Fleet, Workplace, and Public TEP Programs (EVSI + Optional Charging Stations)
  - Actively working to increase participation in residential and equity programs

More recent program updates (as of June 1) in the slides below...

# Xcel Energy Transportation Electrification Plan: Status

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

(Note: Data as of March 1, 2022)

Program	Applications	Actual Charging Station Ports Awarded by Program (as of 3/1/2022)	Expected Charging Station Ports Supported by Program (as of 12/31/2022)	Percent of Goal
Multifamily Housing – Shared Parking EVSI	23	114	210	54%
Multifamily Housing – Assigned Parking EVSI	20	239	120	199%
Fleet EVSI	16	120	557	22%
Workplace EVSI	32	146	558	26%
Primary General EV Pilot	2	34	120	28%
Public EVSI	28	167	96	174%

# Xcel Energy Transportation Electrification Plan: Status

Overview of applications and participation in Residential and Equity programs

(Note: Data as of March 1, 2022)

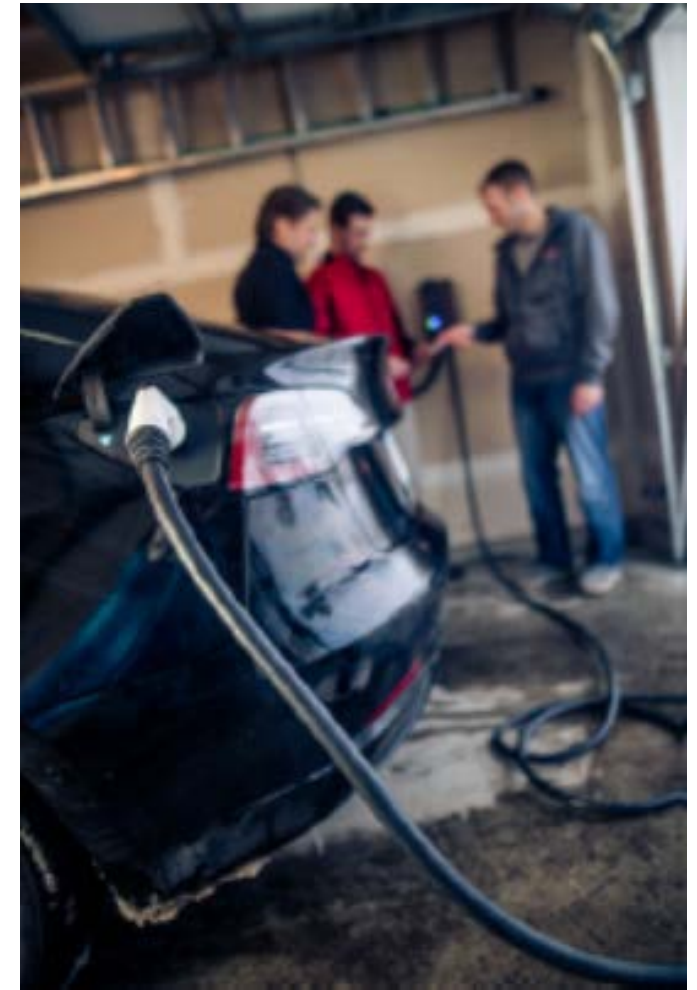
Program	Applications	Actual Charging Station Ports Awarded by Program (as of 3/1/2022)	Expected Charging Station Ports Supported by Program (as of 12/31/2022)	Percent of Goal
Fleet & Workplace -Income Qualified Rebate	0	0	90	0%
Small Business Program	0	0	N/A	0%
Community Charging Hubs	1	4	139	3%
Community Charging Hubs - Income Qualified Rebate	0	0	96	0%
Multifamily Housing Income Qualified Rebate	0	0	48	0%
Home Charging Service (EVAAH)	NA	417	4,900	9%
Standard EV Charger and Wiring Rebate	NA	440	7,900	6%
Income Qualified EV Charger and Wiring Rebate	NA	13	150	9%

# Residential Home Charging Programs

## EV Accelerate At Home (EVAAH)

- Program Launched in Colorado on August 5th, 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 6/1/2022:
    - 598 completed installations
    - 276 pending applications
- 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 6/1/2022:
    - 643 approved applicants (including rebates given through EVAAH; 25 income-qualified)

*~\$1 million actual / \$8 million estimated capital spend through 2022*



# 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); WeaveGrid API interface option added beginning of June 2022 so that more customers can participate through their vehicle's technology
  - As of 6/1/22, 1,404 total participants in OYC (956 via EVAAH, 448 using their own charger or enrolling through the WeaveGrid API interface)



## Charging Perks Pilot (Dynamic Optimization)

- Pilot launch: June 2021 for Tesla; Sept 2021 for GM, Ford, Honda & BMW. Pilot will be 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
  - 1000 total participant cap, minimum of 50 vehicles per manufacturer planned
- 415 active electric vehicles (participants) as of 6/1/2022



# EV Purchase/Lease Rebate for Income Qualified Customers

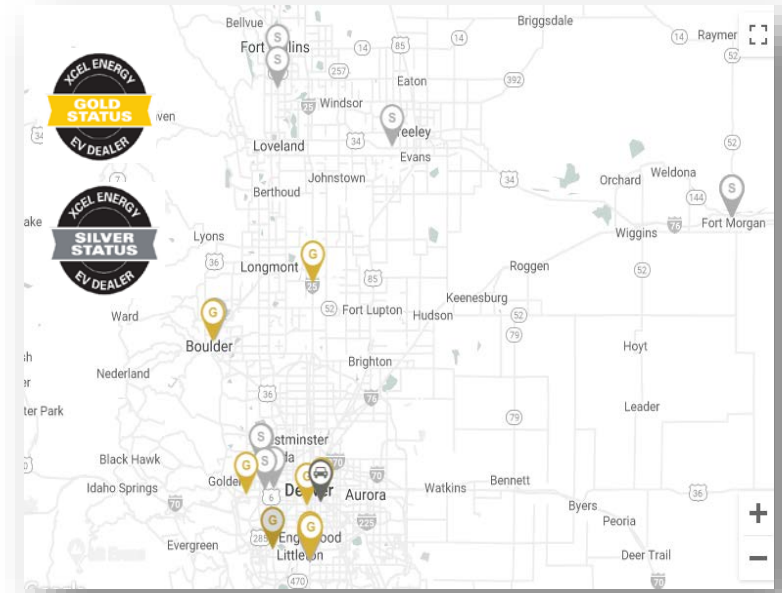
- Income-qualified customers get \$3,000 off a pre-owned EV and \$5,500 off a new EV; maximum MSRP or sale price is \$50,000
- Program live in August of 2021; over 150 applications received to date
- As of 6/1/2022, 62 rebates issued (44 new, 18 pre-owned) and nearly 70 applications in process
- Customers 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:
  - Cherry Creek Arts Festival, Black Arts Festival, Colorado State Fair, and summertime Ride & Drives planned.
  - Recent events: Earth Day events, Golden EV Round-Up, Five Points Jazz Festival, Juneteenth Music Festival, and various webinars with partner organization

*~\$300,000 actual / \$1.5 million estimated capital spend through 2022*



# 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!
  - 25 Dealers in Colorado, 53 dealers across Xcel Energy's footprint
  - 30+ more dealerships planned in Colorado by year-end 2022
- Our network has sold over 2,400 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 11 have redeemed it in-network for an EV purchase or lease.



# Multi-Family Housing (MFH) Programs

## EV Supply Infrastructure (EVS) as of 6/1/2022

- Multifamily Housing – Shared Parking EVS has received 9 applications for customer sites that support 40 ports.
- Multifamily Housing – Assigned Parking EVS has received 16 applications for customer sites that support 254 ports.

## Rebates

- Helping EVS applicants and others apply for the rebate
  - New Construction Rebate (1 application as of 6/1/22)
  - Income-Qualified and Higher Emissions Community Rebates (working with Energy Outreach Colorado) (6 potential applicants as of 6/1/22)

## Advisory Services

- As of 6/1/22, 174 MFH leads received



# Commercial TEP Programs

As of 6/1/2022:

## Fleet EVSI

- Received 18 applications for customer sites that support 103 ports

## Workplace EVSI

- Received 17 applications for customer sites that support 179 ports

## Primary General EV Pilot

Received 2 applications for customer sites that support 34 ports

## Community Charging Hubs

- Received 2 applications for customer sites that support 10 ports

## Public EVSI

- Received 38 applications for customer sites that support 196 ports

## Multi Family EVSI

- Received 25 applications for customer sites that support 294 ports

*~\$4 million actual / \$29 million estimated capital spend through 2022*



## Advisory Services Leads

- 80 Fleet
- 75 Public Charging
- 6 Community Charging Hubs
- 168 Workplace
- 174 Multifamily
- 17 Small Business

# School Buses

## School Bus Rebate Program

- Launched in October 2021
  - Held 4 webinars across the territory
  - Continuous account management outreach
- Intakes are occurring
- 4 customers have submitted intake forms for participation in School Bus Rebate program. They are currently enrolled in FEAP vehicle suitability assessment (required)
  - Will take 3-6 months to review data for vehicle suitability assessment and RFP process
  - Grant applications will run in parallel with RFP process

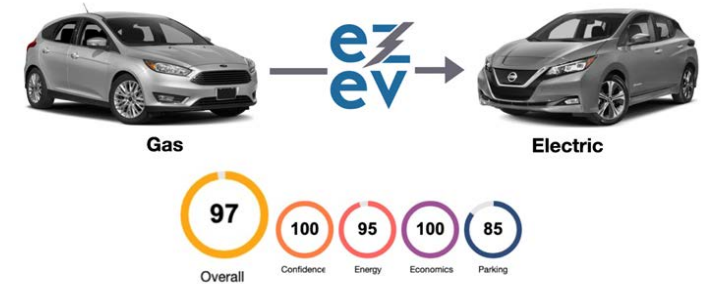
Funds Available	(Fund up to 7 buses)
Rebate per Bus (Max.)	\$275,000
Buses Funded YTD	0



# Advisory Services – Fleet Electrification

## Fleet Electrification Advisory Program

- Update on Fleet Assessments:
  - 20 applicants currently participating
  - 4 have completed a full assessment
  - Expected another 10-20 to complete by year-end
  - Covers all fleet market segments
- Over 700 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
  - Interest in EV planning remains strong for traditional plans
  - No participation to date with HEC planning
  - Boulder County regional planning underway. Additional counties are interested in pursuing similar process.
  - Applications for EV planning will be accepted continually versus 2x/year

## Intermediary for Other EV Offerings

- Facilitate applications for HEC designations with communities
- Supporting outreach and application process for the PRI Pilot offerings
  - Equitable Car Sharing
  - Paratransit Fleet
  - Refuse Fleet



Electric vehicle vent hosted by a Partners in Energy community.

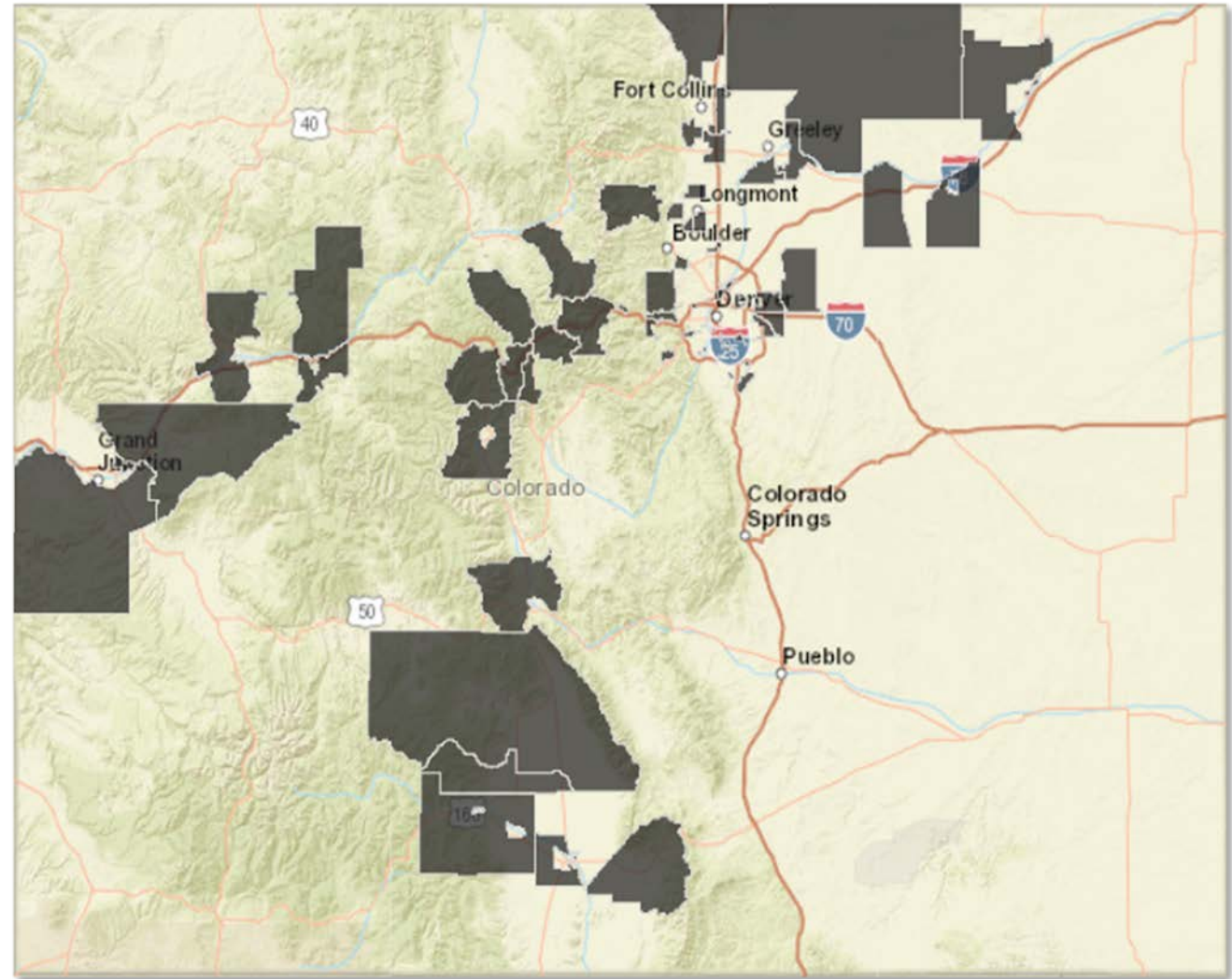
## **2. DISCUSSION TOPICS**

**Public DCFC Siting, TEP Evaluation and Reporting**

# Public Service DCFC Program

## Siting Analysis and Outreach:

- Conducted analysis with Guidehouse
- Used 10-mile and 2-mile buffers for Connector and Market stations, respectively (to try to build in even more space from existing DCFC)
- Aggregated the sites to ~80 census tracts across our service area (including HECs and rural areas)



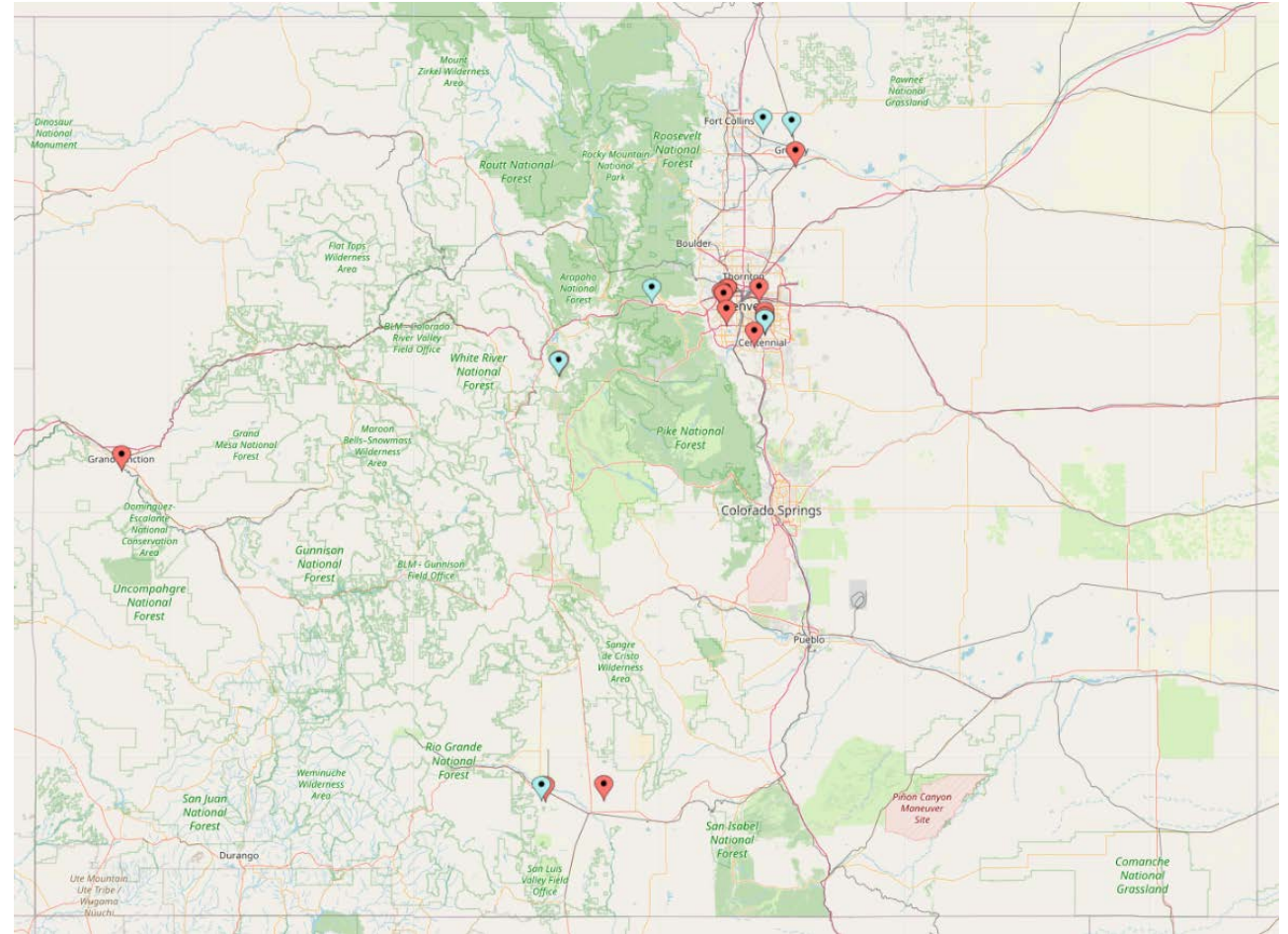
# Public Service DCFC Program (contd.)

## Customer Applications:

- Received ~20 applications from interested customers/site hosts
- 5 applications qualified as Connector sites (>10 miles from other public DCFC stations) and the rest were Market stations
  - 2 connector station applications for the same towns

## 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 4<sup>th</sup> Ave.)
  - Eaton (Connector) (1<sup>st</sup> Street)
  - Breckenridge (Market) (2 possible sites)
  - Aurora (Market) (Havana Street)



## Delivering Insights at the Intersection of the EV Driver and the Grid

We help our clients identify ways to accelerate electric vehicle adoption, effectively manage electric vehicle charging, and evaluate climate, grid, and equity impacts across light, medium, and heavy-duty transportation sectors

### Areas of Focus

- Customer Experience and Behavior
- EV Charging Pattern Analytics
- Grid, Climate, and Equity Impacts

**We are a 70+ team of inter-disciplinary staff, currently serving as TE evaluation consultants for PG&E, NYSERDA, SCE, ComEd and Portland General Electric**



# Evaluation Approach



Embedded evaluation focused on program performance feedback and delivering insights to inform future TEPs and EV market needs



## Customer Research

**Objective:** Deliver insights to inform program improvements for current and future TEP cycles

### Key Efforts

- Surveys and in-depth interviews with program participants
- Non-participant research



## KPI Measurement and Reporting



**Objective:** Provide updates on evaluation results, performance across metrics, and insight into program changes and new program opportunities

### Key Efforts:

- Quarterly stakeholder meeting updates
- Dynamic dashboard development
- Analysis to support semi-annual reporting (customer insights, peak demand and carbon emissions analysis)
- Final evaluation findings and recommendations report



### **3. 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

- No pending/upcoming notices

## 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 April 2022 summarizing the application of the City of Sheridan and Public Service's recommended Decision
- Received one comment from the City of Sheridan

## Final Recommendations:

- Designate the City of Sheridan as an HEC
- Also designate select census block groups that overlap with Sheridan, as originally recommended

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

# PRI Portfolio Update

## *Program Overview*

- EV Load Disaggregation Pilot's "60 Day Summary Report" will be filed soon
  - Preparing summary responses now (anticipate week of 7/4)
- Preparing to launch:
  - EV Equitable Car Sharing Pilot — (originally, "Electric Car Sharing for Underserved Communities Pilot")
  - EV Paratransit Fleets Pilot — (originally, "Electrify Paratransit Mobility Pilot")
  - EV Refuse Fleets Pilot — (originally, "Municipal Refuse Fleet Electrification Pilot")
  - Residential Resiliency and Managed Charging Project
  - V2X and Resilience Project
  - DCFC + Storage
- Gladstein Neandross & Associates (GNA)
  - Competitively chosen to support EV Equitable Car Sharing, Paratransit Fleets, & Refuse Fleets pilots
- Guidehouse
  - Competitively chosen to conduct the Feasibility Assessment for V2X

# **PRI Portfolio Update**

## ***Application Launch Webinars***

### **EV Equitable Car Sharing Site Host Pilot**

Webinar on how to become a site host.

- Thursday, June 30, at 1:00 p.m. MT
- Thursday, July 7, at 12:00 p.m. MT

### **EV Refuse Fleets Pilot**

Learn about how to participate in our Electric Vehicle Refuse Fleets pilot.

- Wednesday, June 29, at 1 p.m. MT
- Wednesday, July 6, at 1 p.m. MT

### **EV Paratransit Fleets Pilot**

Learn about how to get rebates that offset the cost of electrifying paratransit vehicles, and chargers and infrastructure.

- Wednesday, June 29, at 10 a.m. MT
- Wednesday, July 6, at 10 a.m. MT

If you would like to register, please go to:  
<https://www.xcelenergyrsvp.com/priwebinars>  
or for additional information, email  
[PRI@xcelenergy.com](mailto:PRI@xcelenergy.com)

## **4. WRAP UP**

**Next Meeting September 2022**

# Additional Contact Information

**Jack Ihle**

**Xcel Energy**

Director, Regulatory and Strategic Analysis

[Jack.Ihle@xcelenergy.com](mailto:Jack.Ihle@xcelenergy.com)

**Jason Peuquet**

**Xcel Energy**

Strategy and Policy Manager,  
Clean Transportation

[Jason.J.Peuquet@xcelenergy.com](mailto:Jason.J.Peuquet@xcelenergy.com)

**Patrick Murphy**

**Xcel Energy**

Regulatory Case Specialist

[Patrick.J.Murphy@xcelenergy.com](mailto:Patrick.J.Murphy@xcelenergy.com)

**Deb Erwin**

**Xcel Energy**

Director, Policy and Planning  
Clean Transportation

[Deborah.E.Erwin@xcelenergy.com](mailto:Deborah.E.Erwin@xcelenergy.com)

**Ryan Pocius**

**Xcel Energy**

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

[Ryan.M.Pocius@xcelenergy.com](mailto:Ryan.M.Pocius@xcelenergy.com)

