

YOUR EV CHARGING PROJECT

A Comprehensive Planning
Guide for Managers and HOAs

THURSDAY, OCTOBER 17



WELCOME



Samantha Bingham

**Clean Transportation Program
Director, Chicago DOT**

**Director, Illinois Alliance for Clean
Transportation**



Learning Objectives

- Current state of industry and future projections
- Effective planning and budgeting for a long-term solution
- Equitable options for (current and future) resident owners
- Considerations for maximum property value and appeal
- Available rebates & incentives (current and future)
- The importance of utilizing qualified labor and contractors
- Ensuring success: legal considerations, code compliance, and the permitting process



Panel Speakers



Vincent Jenels
Executive
Director
Nextech Energy
Systems



Elbert Walters III
Executive
Director
Powering
Chicago



Adam Kahn
Community
Associations
Partner
Levenfeld
Pearlstein, LLC



Cristina Botero
Sr. Manager,
Beneficial
Electrification
ComEd

Technology Integration Program

Provides objective/unbiased data and real-world lessons learned that inform future research needs and support local decision-making





Federal and State Laws and Incentives Database

Find federal and state laws and incentives for alternative fuels and vehicles, air quality, fuel efficiency, and other transportation-related topics.

- afdc.energy.gov/laws

Alternative Fuels Data Center

Search the AFDC **SEARCH**

FUELS & VEHICLES **CONSERVE FUEL** **LOCATE STATIONS** **LAWS & INCENTIVES** **Maps & Data** **Case Studies** **Publications** **Tools** **About** **Home**

[EERE](#) » [AFDC](#) » [Laws & Incentives](#) [Printable Version](#)

Federal and State Laws and Incentives

Find federal and state laws and incentives for alternative fuels and vehicles, air quality, fuel efficiency, and other transportation-related topics.

Federal

[Recent Federal Actions](#)
[Key Federal Legislation](#)

State

[Recent State Updates](#)

[Local Examples](#)

[Utility Examples](#)

Search
by category or keyword **See All**
in summary tables

Technology Bulletins

- Connecting Dots and Bridging Gaps: Alternative Fueling Corridors**

[All Technology Bulletins](#)

+ Maps & Data

+ Case Studies

+ Publications

+ Tools

Barriers Identified by Multiunit Industry Interviews

Higher Prevalence ↑

Barrier	Description
HOA Related	Decision-maker alignment and bylaw restrictions
Information and Education	Assumptions, misinformation, and lack of awareness limits interest in EV charger investment
Space Limitation	No excess parking spots and/or deeded spots
O&M Costs	Cellular networking, data subscription, transaction fees, and more
Installation Cost	Equipment acquisition, permits, engineering and planning, construction
Electrical Related	Adding electrical circuit and conduits, performing load studies, upgrading electrical panel or service, utility delays
Usage	Unsecured parking allows non-resident charger use No incentive to move after finished--no idle fees
Network Signal	Weak internet signal in garages

This list is not exhaustive



Stay in Touch



@IllinoisACT



facebook.com/IllinoisCleanCities



Illinois Alliance for Clean Transportation



IL-ACT.org



EV-Ready Charging Infrastructure



For Multifamily Properties

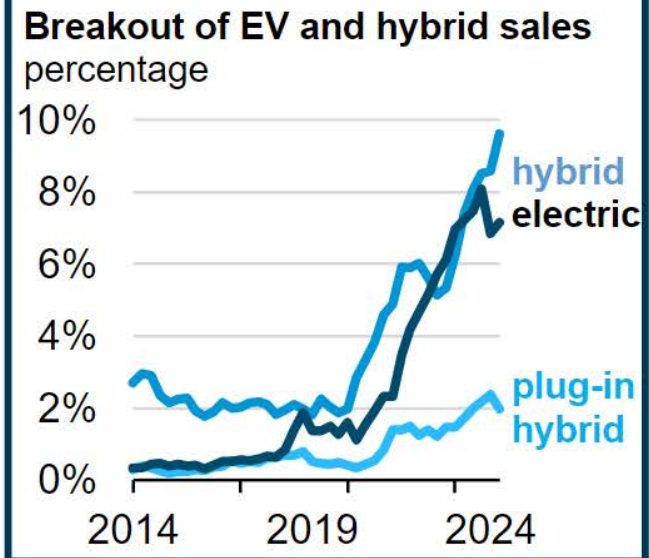
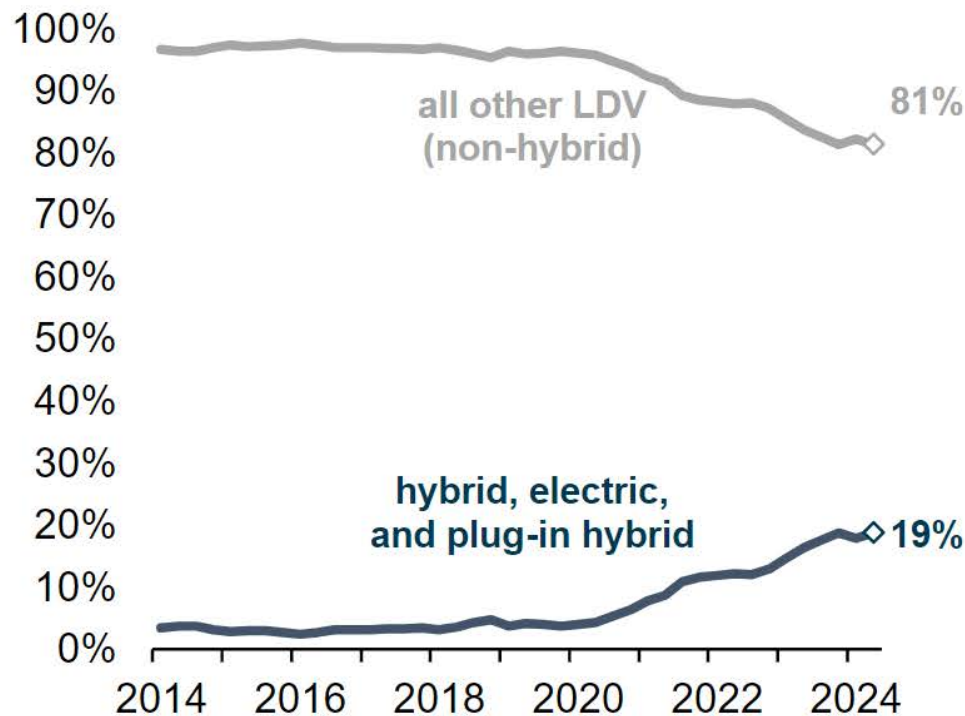
Agenda

- State of the Industry
- About Nextech
- Managing your EV Project
- EV-EMS
- Best Practices

State of the Industry

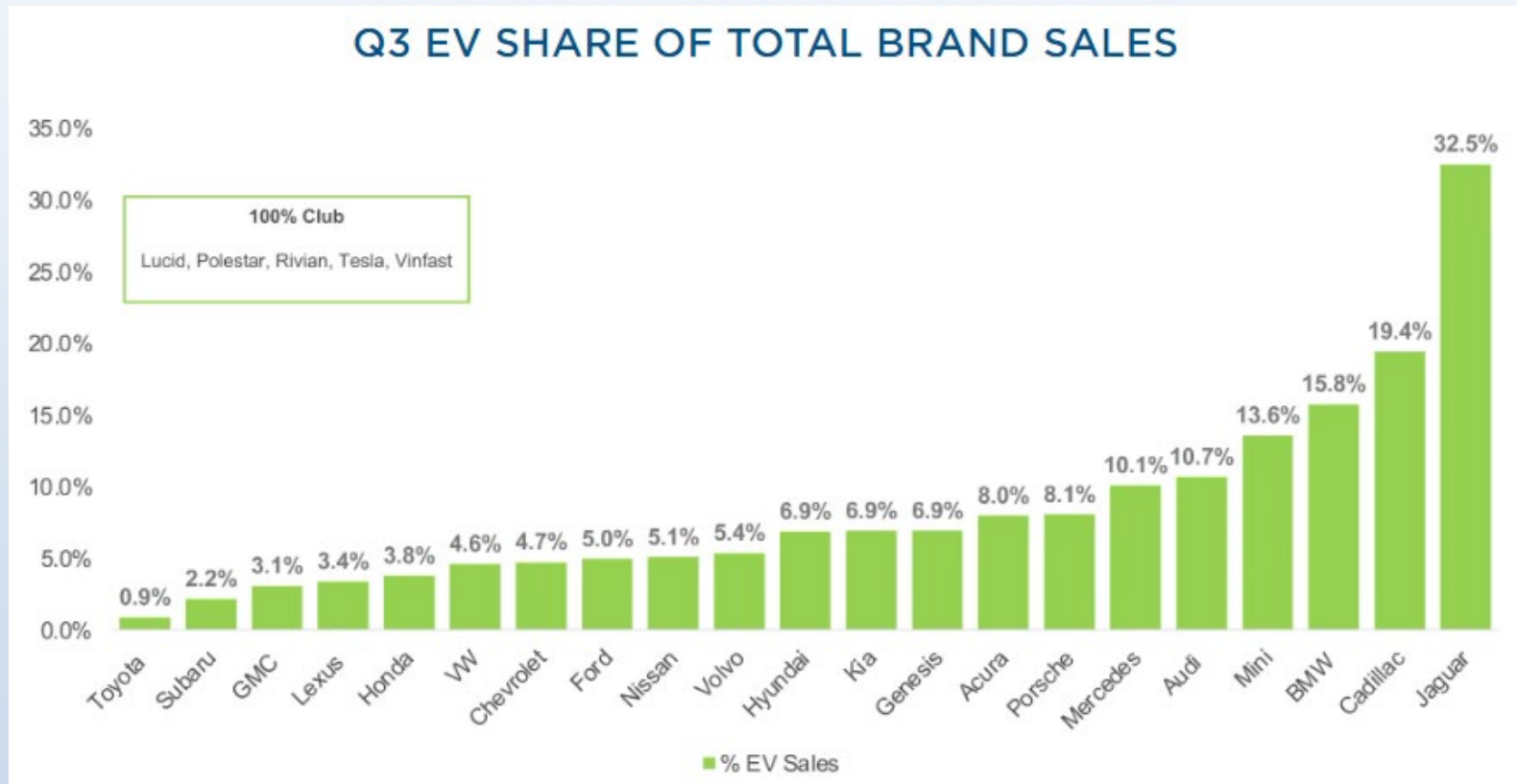
“U.S. EV Sales Hit Another Record In Q3 2024: 10% Market Share Within Reach” -KBB

Quarterly U.S. light-duty vehicle (LDV) sales by powertrain (Jan 2014–June 2024) percentage of sales



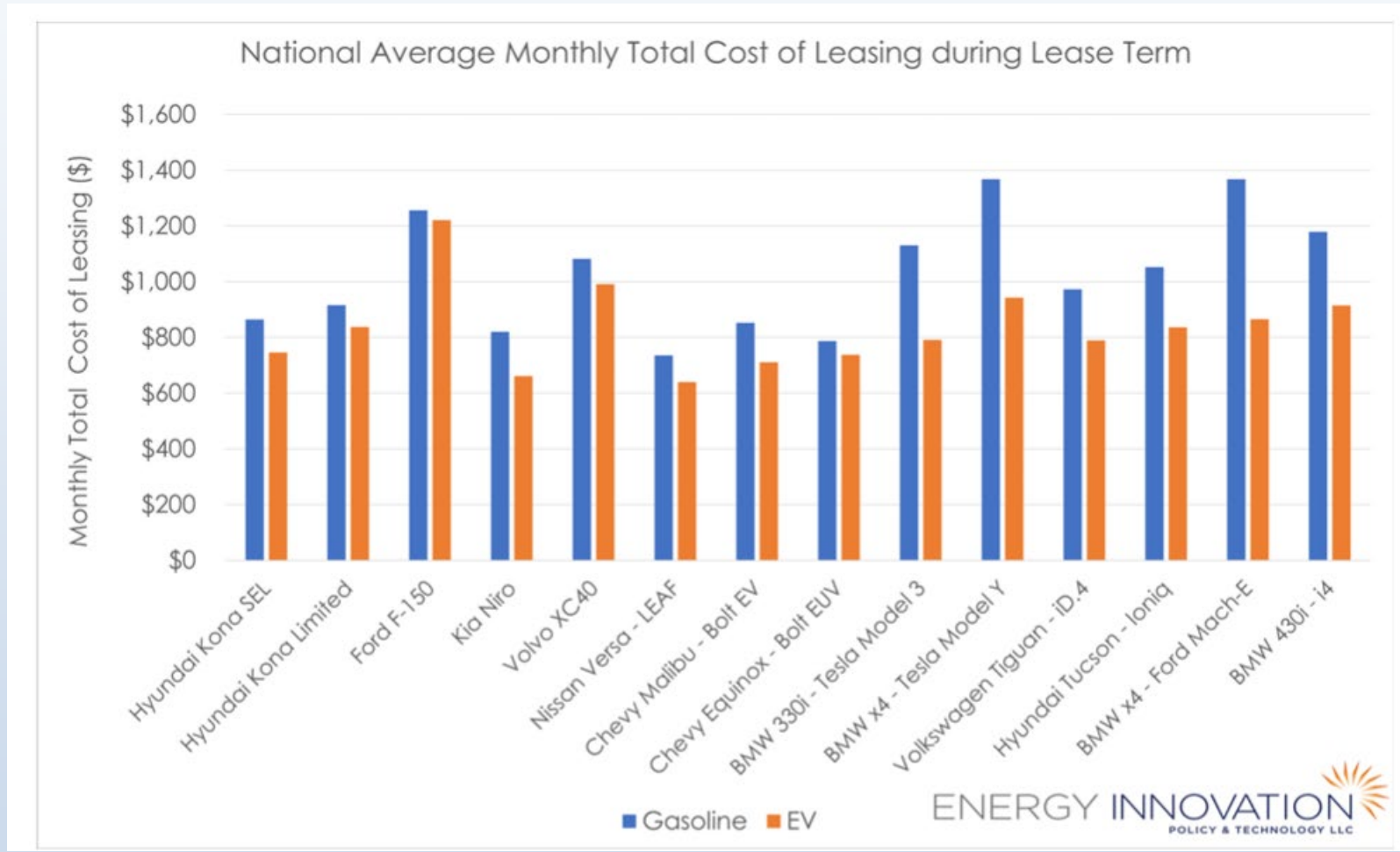
State of the Industry

“EV sales in the U.S. continue to march higher.. as more affordable EVs enter the market and infrastructure improves, we can expect even greater adoption in the coming years.” -Cox



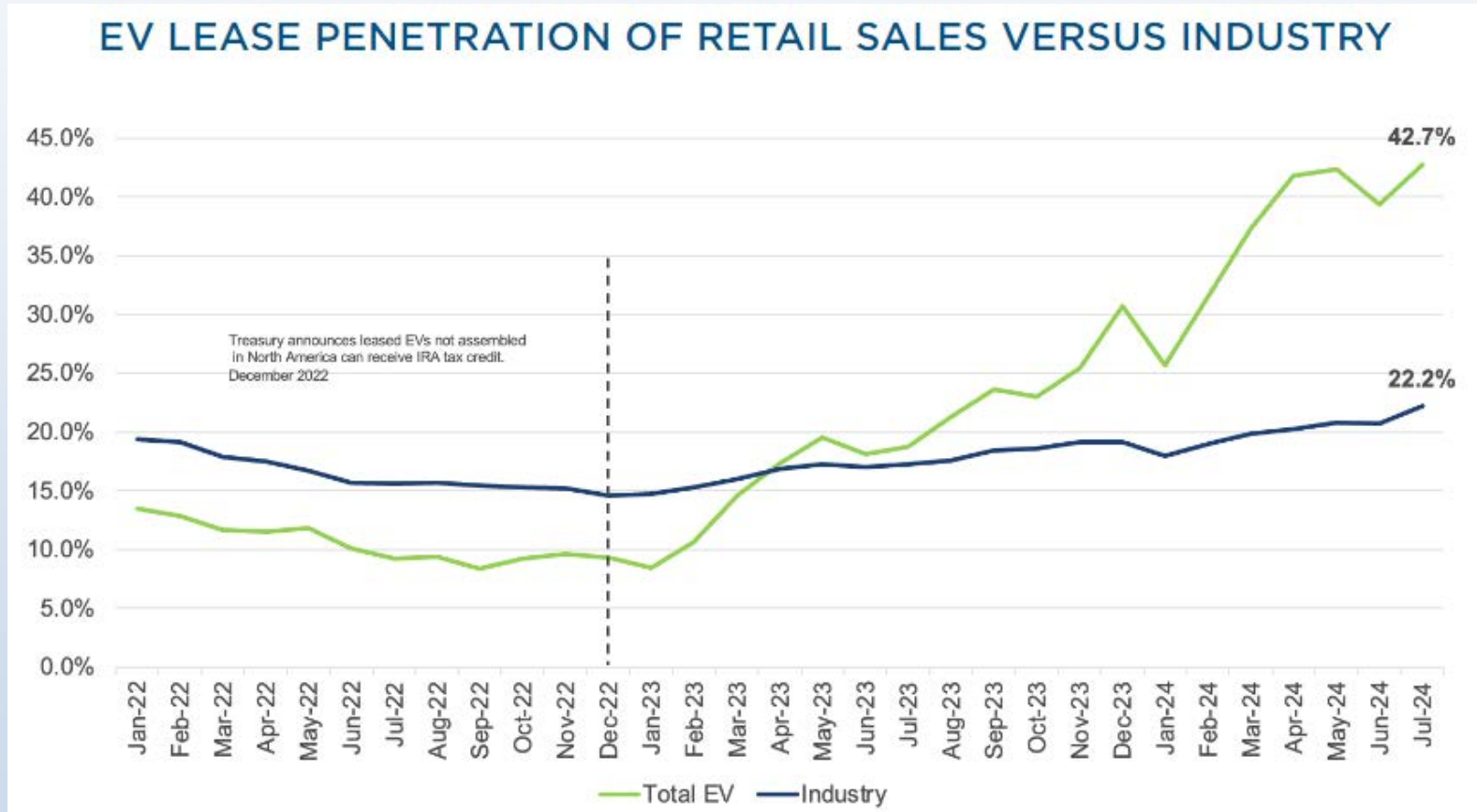
State of the Industry

“Electric Vehicle Leasing: The Cheapest Option for New Car Buyers”



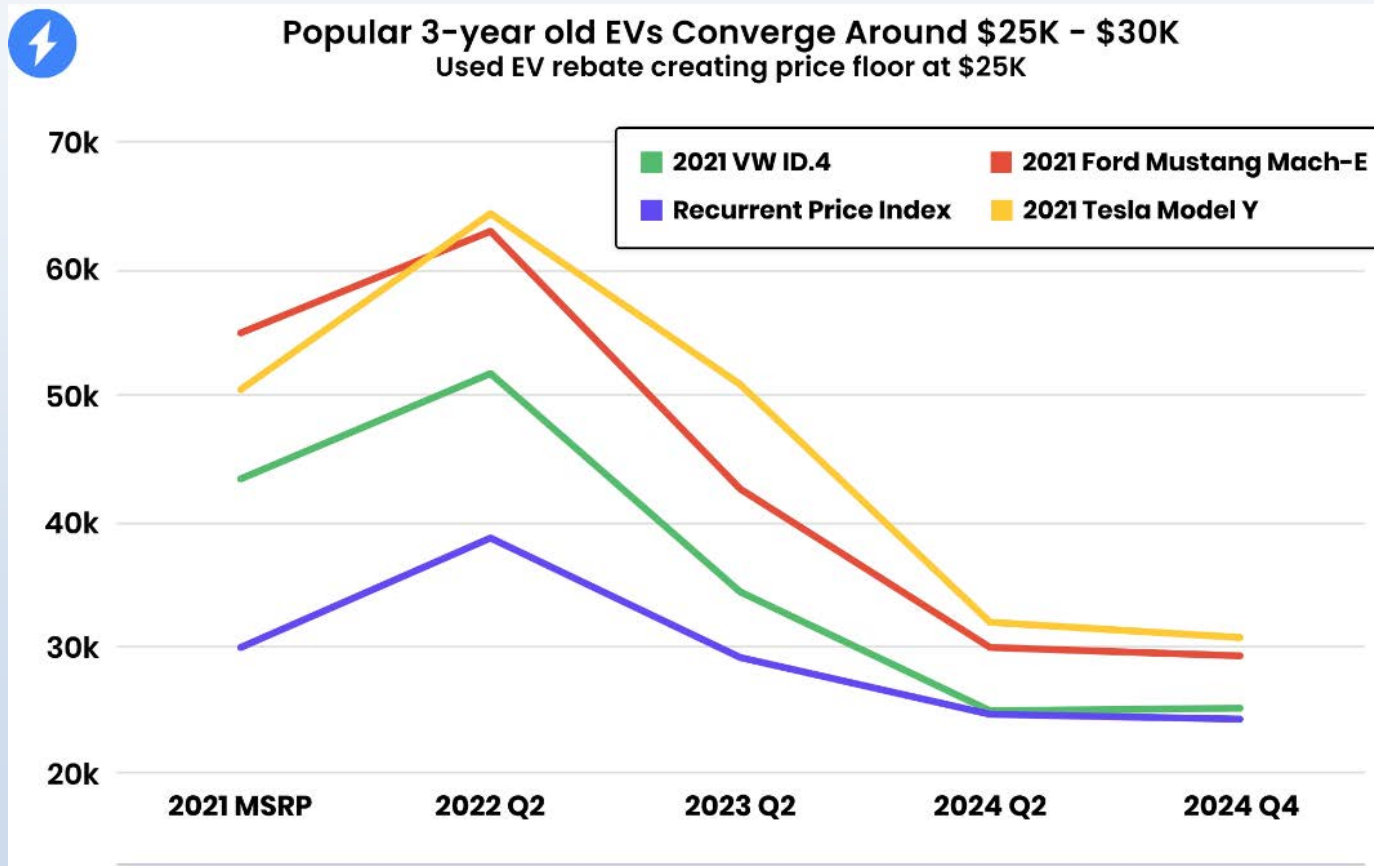
State of the Industry

“The ‘leasing loophole’ allows all EV buyers to qualify for generous government-supported incentives.”



State of the Industry

“Used EVs are more accessible and affordable than ever. Many 2021+, long-range, low mileage EVs with years left on their warranty meet the \$25K used EV threshold, allowing up to \$4K of tax credits at the point of purchase.”



About Nextech

Our Mission

To apply the use of technology in the energy industry to ensure the sustained prosperity of humanity, creating wealth for our customers, partners, and employees in the process.

By the Numbers:

- **9+** Years in Business
- **3200+** *Unique* Customers
- **154** HIGHRISES Served
- **4700+** Smart Thermostats and 7000+ Smart Devices Installed
- **200+ EV Charging Stations** Managed across **9 Properties**
 - **3 Active EV Projects** in Process
 - *Dozens* More in Advanced Quoting Stages for 2025 Budget Consideration!
- Key Stakeholder and early member of the **COMED EVSP Contractor Network:**
 - **\$124,828 in BE Program Rebates** confirmed paid out so far in 2024;
 - **\$332,831 in BE Program Rebates** reserved or in process for active EV Projects.
- Participating **Member of IACT**

IL ICC and BACP Licensed, Bonded & Insured

EVSE License: 23-0256 | ABC License: 15-0182 | Energy Efficiency License: 18-0254

Distributed Generation License: 23-0255 | GC License: TGC084507 | Home Repair License: 2523067



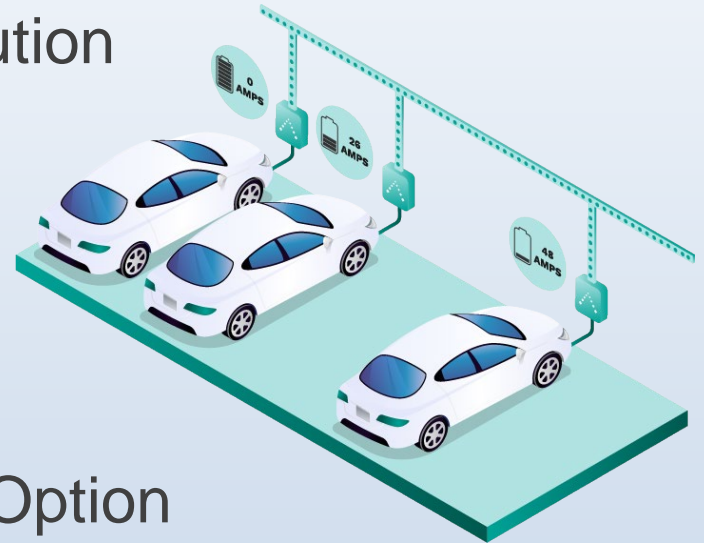
What is Your EV Project Goal?

Objectives:

- Increase Property Value & Appeal
- Expand Options for *all* Residents
- Provide a Long-term, Equitable Solution
- Maintain a Competitive Edge

Intentions:

- Implement a Scalable Design
- Approve a Cost Effective, Feasible Option
- Maintain Minimal Disruption to the Property
- Provide *Voluntary* Resident Participation





Project Considerations

- Single Project vs. Phased Approach
- Licensing & Permitting
- Connectivity / WiFi Availability / LTE Signal
- Warranty & Insurance Coverage
- Safety & Durability Guarantees
- Billing & Administration Options
- Technological Advancements
 - Connector Standards
 - Vehicle-to-Grid
 - Wireless / Portable Charging
 - Interoperability





Resident Expectations & Obligations

- Electrical Infrastructure Access Fees
- Charging Station Ownership Rights
- Applying for Available Incentives (if applicable)
- Future Upgrades & Compatibility Requirements
- Costs for Hardware, Software, and Energy Usage
- Ongoing Maintenance, Service, and Care



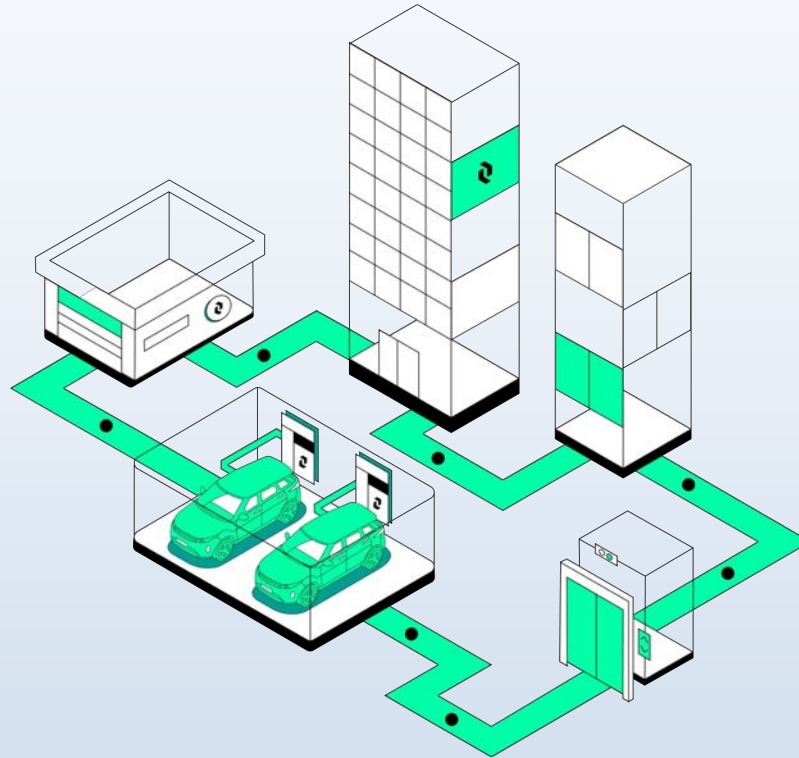


Barriers & Challenges

- Electrical Infrastructure Capacity is Limited
- Significant Up-front Costs / Ability to Finance
- Deeded Parking / No Communal Spots
- Location and Distance of Electrical Source
- HOA Pays the Common Area Electricity Bill
- Current and Future Resident Demand is Unknown
- Board Approval Objections



EV Energy Management System (EV-EMS)

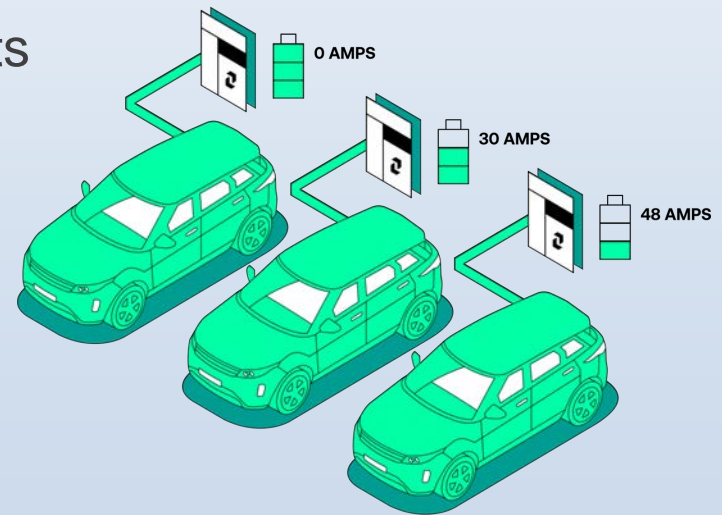


*A fully managed, affordable, and scalable
EV charging solution for multifamily properties.*

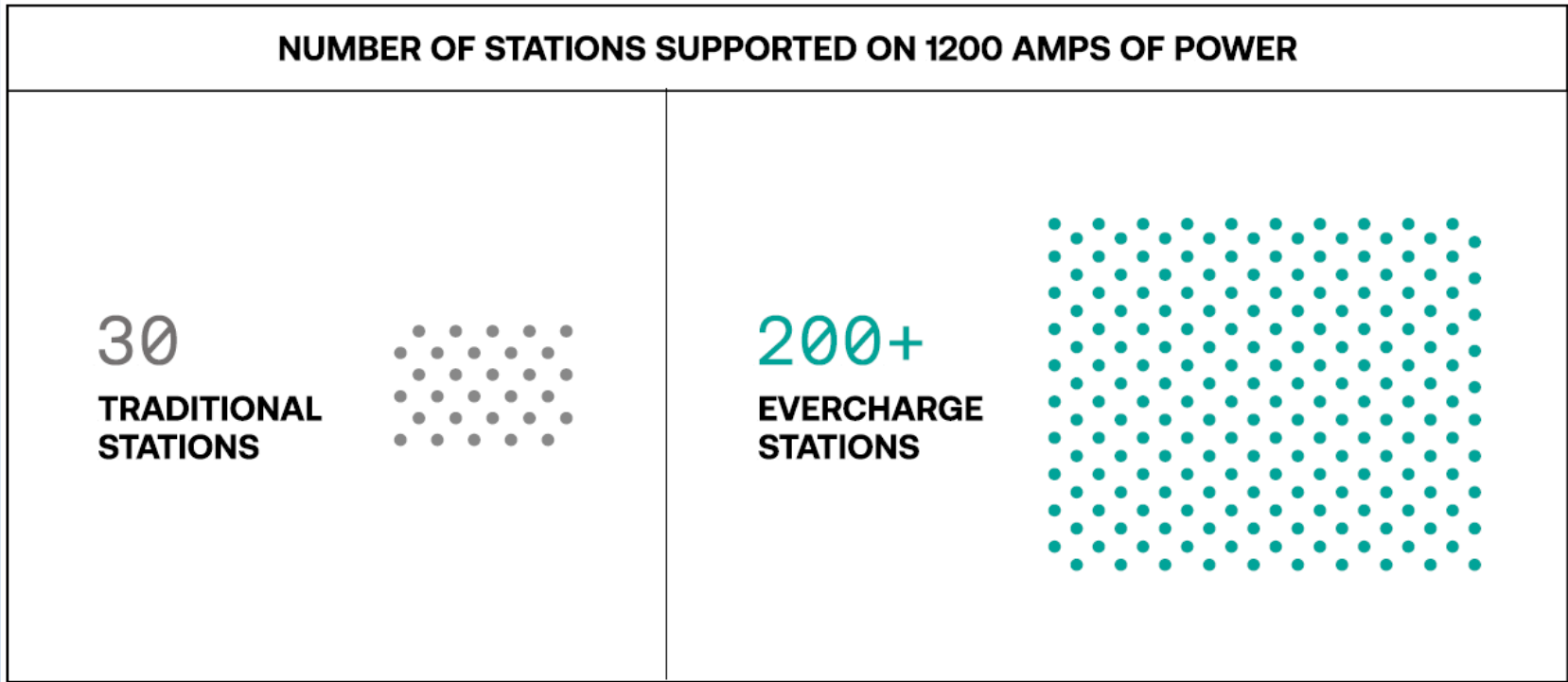
EV-EMS Dynamic Load Management

System intelligently allocates available power based on electrical demand in real time.

- Increases Charging Station Capacity
- Reduces Electrical Infrastructure Costs
- Scalable to Meet Future Demand



EV-EMS Cost-Optimized Infrastructure



Significantly reduce the cost and complexity of your EV project by more efficiently managing the total required power.

EV-EMS Chargers vs. Analog Chargers

	Individual Analog Chargers w/ Dedicated Circuits	Energy Management System w/ Dynamic Power Share
Total Infrastructure Costs:	\$1,360,000	\$609,978
*Est. Cost per Charger + Circuit Run:	\$4,700	\$3,985
Net Cost Charger + Infrastructure (per stall):	\$9,188	\$4,985
Construction Phases:	5 Phases	1 Phase
Construction Duration:	Multi-Year	3 Months
Charging Stall Capacity:	303	303
Power Capacity Requirement:	1,414kw	312Kw
Total Amperage Requirement:	6800A	1500A
Required Sub-Meters:	303	No (0) Sub-Meters
Uniform/Minimalist Conduit Design:	No (Individual Circuit Runs)	Yes (Segmented, Future-proof Design)
KwH Logging & Billing Process :	100% Manual	Automated (HOA Reimursed Quarterly)
**Software / Admin Charges (billed to resident):	\$TBD (HOA's Responsibility)	\$15/month (Billed by Service Provider)
EV System Administrative Access Control:	No	Yes
Liability Insurance Coverage:	N/A	\$2M Building Coverage; \$1M per Charger
Building Wide Property/Market Value:	N/A	EV-Ready Amenity Listing

- ✓ *65% Cost Reduction!*
- ✓ *78% Electrical Capacity Reduction!*
- ✓ *80% Implementation Time Reduction!*

Best Practices

Approving an EV Install



VS

MANAGING an EV Project



Best Practices

Approving an EV Install

MANAGING an EV Project

VS

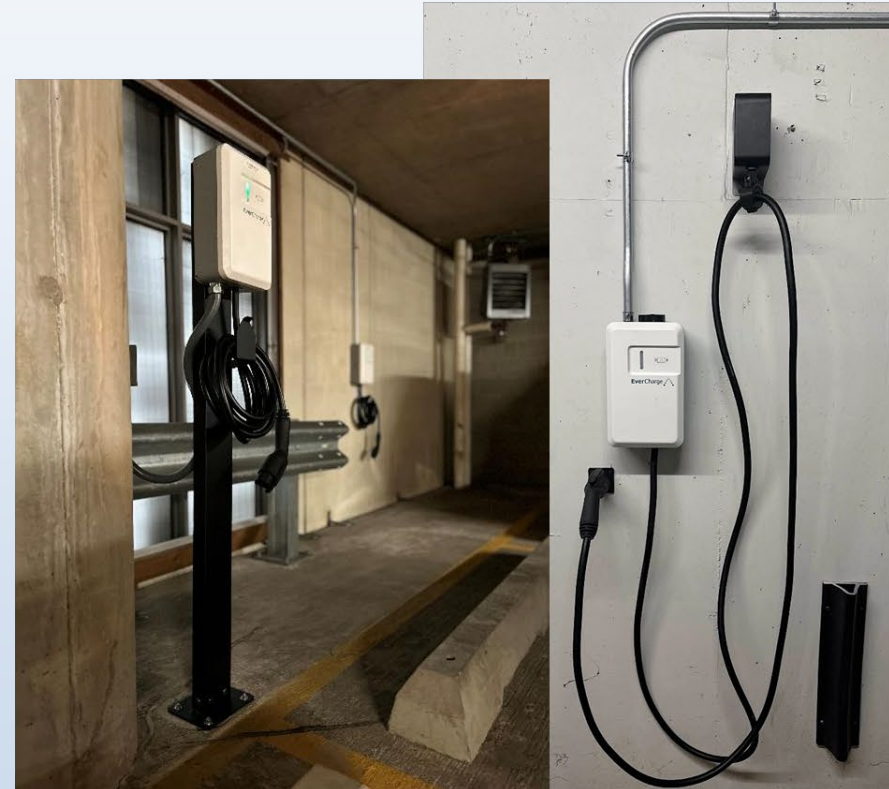


Best Practices

Approving an EV Install

MANAGING an EV Project

VS





Project Implementation & Timeline

Choosing the Right Contractor is Key!!

- Properly Qualified, Licensed, and Insured
- Managing the Permitting & Inspection Process
- Provisioning the System Activation
- Provide Ongoing Maintenance & Support



THANK YOU!!



Nextech Energy Systems, LLC

1165 N Clark St
Ste #700
Chicago, IL 60610

888-NXT-4YOU (888-698-4968)
or
773-313-3710

evse@nextechenergy.com

www.nextechenergy.com/evready



POWERING

CHICAGO ⚡

IBEW 134/NECA

The Time is Now: Considerations
for EV Charging Infrastructure



Elbert Walters III

Executive Director

POWERING
CHICAGO ⚡

IBEW 134/NECA



A Comprehensive Approach to Installing EVSE

POWERING
CHICAGO ⚡

IBEW 134/NECA



Assess Needs With A Site Assessment

- A site assessment is best done by a qualified electrical contractor.
- Includes load calculations through audit of existing electrical system.
- Powering Chicago and EVITP offer tools to find a local provider trained to install EVSE.



Plan EV Infrastructure

- Plan for your current needs.
- Plan for future infrastructure.
- A qualified contractor can help assess your property layout, Level 2, AC or DC Fast Charging, weather considerations, and more.



Prepare Construction Budget Proposal and Installation Timeline

- Research all available grants, rebates and tax incentives to offset capital expenses.
- Determine impact of product availability on installation timing.



Contact Local Utilities

- In some cases, new service may need to be set up with a local power company in order to supplement the electrical infrastructure.
- Your contractor can help you determine whether your current electrical service is capable of delivering the required power to the EVSE.



Secure Needed Permits From Local Government

- Some municipalities have Green and Solar Permits that include expedited priority review.
- Commercial projects in Chicago must earn certification within LEED or Green Globes rating systems to qualify.
- Projects can also qualify by implementing eligible green technologies.

Complete Installation, Commissioning, and Municipal Inspections

A photograph of an electric vehicle charging station. In the foreground, several yellow charging cables are plugged into their respective stations. The cables are connected to a grey metal structure. In the background, a white car is parked, and there are some snow patches on the ground. The sky is clear and blue.

- As a final step, your contractor will complete the EVSE installation.
- Your contractor will also handle the facilitation of any needed inspections.

Develop a Maintenance Plan




- The EVSE connections to the vehicles are rated for 10,000 connections, but you'll still want a qualified contractor to have at the ready for issues that may arise.
- Aside from routine preventive maintenance, vehicular impact, wear and tear from regular usage, and weather exposure can impact routine operations.

A close-up photograph of a person's hand plugging a yellow charging cable into the charging port of a light blue electric vehicle. The background is slightly blurred, showing a stone wall and some greenery.

Key Points Summary

POWERING
CHICAGO ⚡

IBEW 134/NECA

- 
- ✓ Hiring a reputable, highly-trained contractor is paramount.
 - ✓ Plan now for the long-term.
 - ✓ Consider networking your charging stations on a SMART system.
 - ✓ The time is now to consider EVSE.

Legal Considerations

PRELIMINARY CONSIDERATIONS: GOVERNING DOCUMENTS

Restrictions in your Association's Governing Documents

- Examples:
 - Expenditure limitations for “improvements”.
 - Contract term limit.
- If a restriction exists and is applicable, it may trigger a unit owner approval requirement.
- Recommend confirming with legal counsel early in the process (no surprises).

**PRELIMINARY CONSIDERATIONS:
ILLINOIS CONDOMINIUM PROPERTY ACT**

Section 18(a)(8):

- “*Additions or alterations*” to the common elements not included in the budget “*shall be separately assessed*” and subject to 2/3 unit owner approval.
- Potential unit owner challenge right if total assessments exceed 115% of the prior year’s total assessment (i.e., >15% increase)

PRELIMINARY CONSIDERATIONS: ILLINOIS CONDOMINIUM PROPERTY ACT

Section 18.4(a):

- Potential unit owner challenge right if replacement of an existing common element:
 - (i) Results an improvement with a proposed expenditure of more than 5% of the budget; and
 - (ii) Is not “*mandated by law*” or an “*emergency*” (i.e., “*an immediate danger to the structural integrity of the common elements or to the life, health, safety or property of the unit owners.*”).

**PRELIMINARY CONSIDERATIONS:
FUNDING**

- (1) Line up funding – regular/special assessment, loan, or combination.
- (2) Look for rebates and deadlines.
- (3) Does it need to be included in the budget?

**PRELIMINARY CONSIDERATIONS:
22.1 DISCLOSURE**

- Refers to Section 22.1 of the Illinois Condominium Property Act.
- Required disclosure for unit re-sales.
- Must disclose “*any capital expenditures anticipated by the unit owner's association within the current or succeeding 2 fiscal years.*” (Emphasis added).

CONTRACT CONSIDERATIONS:

- (a) Required contractor insurance.
- (b) Indemnity.
- (c) Mechanic's lien waiver.
- (d) Time for completing the work - any rebate deadlines?

CONTRACT CONSIDERATIONS:

(e) Scope of work – what is included and what is excluded?

(f) Permits.

(g) Warranty.

EV CHARGING ACT – BRIEF OVERVIEW:

- Unit owners have a right to install EV charging station in their designated parking space at their own expense and subject to reasonable restrictions.
- “Designated parking space” = deeded parking unit or limited common element parking space.
- Restriction is “reasonable” if it “*does not significantly increase the cost of the electric vehicle charging station or electric vehicle charging system or significantly decrease its efficiency or specified performance*”.
- Tenants have a similar right to install EV charging stations.



October 16th, 2024

ComEd's Beneficial Electrification (BE) Plan: New EV Rebates and Customer Tools

Cristina Botero, PhD | Sr. Manager for Beneficial Electrification

Cooperator Expo, Chicago

Agenda

1. Introduction
2. Overview of ComEd's BE Plan and new Customer EV Programs
3. New Tools for Customers
4. Summary

Accelerating Electrification in Illinois

ComEd's Beneficial Electrification (BE) Plan is a key support to Illinois' goal of 1M EV's by 2030



On September 15, 2021, Illinois Governor J.B. Pritzker signed the **Climate and Equitable Jobs Act (“CEJA”)**, that sets a pathway for Illinois to make meaningful progress towards combating climate change.

CEJA amended the Electric Vehicle Act (“EVA”) to include beneficial electrification (“BE”) provisions that will **help leverage Illinois’ clean electricity grid to unlock even greater climate and air pollution benefits equitably.**

Per the EVA, all electric utilities serving more than 500,000 customers in Illinois are required to file a beneficial electrification plan for programs beginning by January 1, 2023.

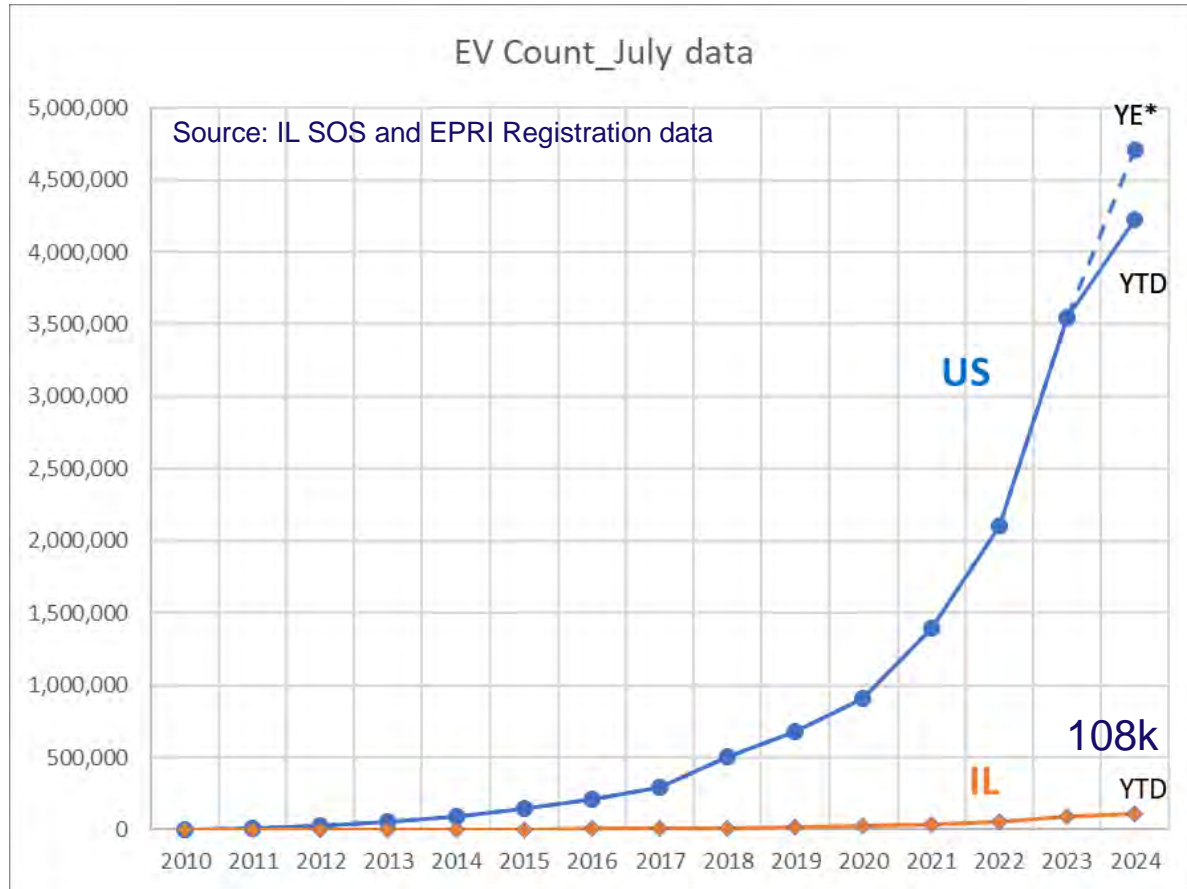
ComEd's BE Plan is thoughtfully geared to achieve BE adoption and deliver benefits to all customers, with special focus on **Low Income (LI), and Equity Investment Eligible Communities (EIEC)**¹

¹LI refers to Low-Income, EJ is Environmental Justice communities, and R3 is Restore, Reinvest, and Renew communities. EJ + R3 are also often referred to jointly as [“Equity Investment Eligible Communities \(EIEC\)”](#)

EV Count: US and Illinois

While EVs continue to grow, both in the US as in IL:

Significant progress ahead still needed to achieve IL's goal of 1M EVs in by 2030



YE* is ComEd's estimated year end (YE) count assuming YTD monthly trend continues
(Only full battery electric vehicles shown, plug-in hybrids not included)

- As of 7/31/24, there are over **4M registered EVs in the US, of which ~108k are in IL**
- Almost **90% of EVs in IL are in ComEd** service territory
- Year-over-year growth in EV count continues in US as a whole and in IL
- Significant progress still ahead in IL to get to 1M EVs by 2030



ComEd's BE Plan 1 (2023-2025): Highlights



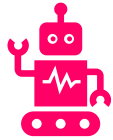
\$231M

Total size of BE Plan investment over 3 years (2023-2025)



3

New programs offering rebates for EV charging infrastructure and fleet EVs



8

BE Technology Pilots



\$6M

Annual average budget for EV Customer Education and Awareness



78 Million

Estimated gallons of fossil fuel avoided (~420k metric tons of CO2 emissions reduced)

Focused on equitable transition



>58%

Percentage of BE Rebate Program **funds reserved for LI/EIEC Customers**

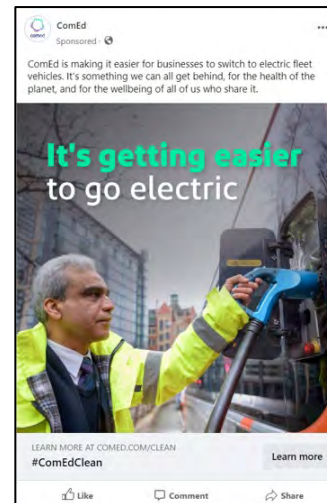
50% higher

Size of **BE rebates available to customers for LI/EIEC Customers** that transition to electric vehicles

General Education & Awareness Marketing Campaign (launched Nov 2023)



Digital & Social (Facebook)



Radio & Podcast



ComEd's New EV/Charging Rebate Programs (new since Feb 2024)

Available to customers under www.comed.com/clean



Residential “EV Charger and Installation” Rebate Program

Up to \$3,750 for the purchase and installation of new residential L2 smart chargers (e.g. contractor labor, cable, electrical panel, etc.)



Business & Public Sector “EV Purchase” Rebate Program

Up to \$180,000 for the purchase of electric fleet vehicles that are registered in the state of Illinois (LDV, MDV, HDV, School buses, transit buses)



Business & Public Sector “Make-ready” Rebate Program

Up to \$500,000 in rebates for make-ready work, on either side of the meter, for L2 and DCFC EV charging stations, public or private (up to \$8,000/L2 port or \$1,000/kW DCFC)



New Residential EV Charger and Installation Rebates

The approved Beneficial Electrification Plan allocates \$5M avg annually to incentivize the purchase and installation of new residential EV charging infrastructure, 50% of which must be distributed to “select customers” (LI or EIEC)

Overview

Description: This sub-program incentivizes purchase and installation of new residential L2 chargers by providing a rebate to offset the cost of the charger and installation (e.g. contractor labor, cable, electrical panel, etc.).

Off-Peak Charging: Enrollment in Rate BESH, a time-variant supply rate offered by ComEd or an ARES, or the Residential Optimization pilot is required to receive a rebate (for 3 years).

Multifamily: Residential ComEd accounts are eligible

Timing: Eligible for L2 chargers purchased on or after February 1st, 2024. Applications must be submitted within 90 days of charger installation

Equipment: Level 2 “smart” chargers that are ENERGY STAR® and NRTL certified

[Apply now](#)

Base Rebate

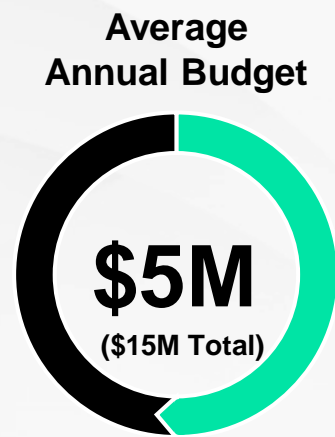
\$2.5M Maximum Average Annual Funding

\$2,500 Maximum Rebate Amount

Select Customers

\$2.5M Minimum Average Annual Funding

\$3,750 Maximum Rebate Amount





New Business and Public Sector EV Rebates

The approved Beneficial Electrification Plan allocates \$38M annually (\$114M total) to incentivize the purchase of EVs for Business and Public Sector customers, at least 50% of which must be distributed to select customers/communities (LI or EJ/R3)

Overview

Description: This sub-program provides rebates for C&I and public sector customers to adopt electric fleet vehicles that are registered in the state of Illinois.

CTA: All CTA buses are eligible for the higher incentive value (\$120K).

Timing: Applications must be submitted within 90 calendar days of project completion. Customers who completed qualified purchases between June 1, 2023, and February 15, 2024, will have until July 1, 2024, to apply for their project. Point of purchase rebate vouchers projected for later in 2024.

[Apply now](#)

School Bus Funding

\$6M Avg. Annual Funding

\$120K Base Rebate

\$180K Select Customer Rebate

Transit Bus Funding

\$6M Avg. Annual Funding

\$80K General Rebate

\$120K Select Customer Rebate

HDV Funding

\$6M Avg. Annual Funding

\$50K General Rebate

\$75K Select Customer Rebate

LDV Funding

\$10M Avg. Annual Funding

\$5K General Rebate

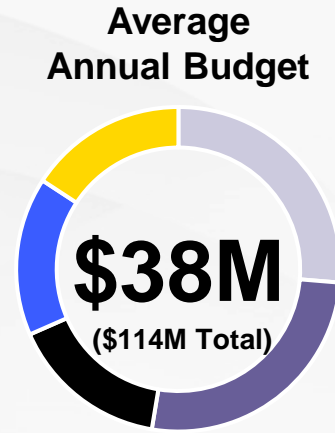
\$7.5K Select Customer Rebate

MDV Funding

\$10M Avg. Annual Funding

\$20K General Rebate

\$30K Select Customer Rebate



New Business & Public Sector Make-Ready* Rebates

The approved BE Plan allocates \$20M annually to incentivize make-ready work that enables EV charging stations for public sector entities, publicly-accessible charging, and large multifamily properties, 70% of which must be distributed to select communities (LI or EJ/R3)



Overview

Description: This sub-program provides rebates for make-ready¹ work, on either side of the meter, for L2 and DCFC EV charging stations.

Target Customers: Public transit authorities can access both pots of funding. Members of BOMA/Chicago or other orgs can apply collectively.

Multifamily: Non-residential ComEd accounts are eligible

Rider NS & Watt-hour: In parallel with this sub-program, ComEd offers a Watt-Hour Delivery Class and will offer make-ready work under Rider NS (“EV Turnkey”)

Timing: Applications must be submitted within 90 calendar days of project completion. Customers who completed qualified projects between June 1, 2023, and February 15, 2024, will have until July 1, 2024, to apply for their project. Securing of rebate funds earlier in the project (e.g. via pre-applications) projected for later in 2024.

[Apply now](#)

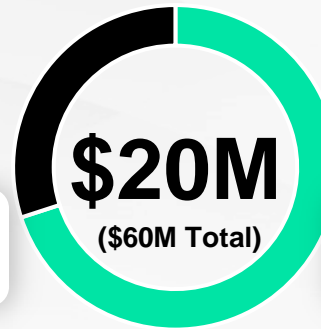
General Funding

\$6M Average Annual Funding

\$5,333 Maximum Rebate Per L2 Make-Ready, Limit 10 Ports

\$667/kW Maximum Rebate Per DCFC Make-Ready, min 50 kW, limit \$500,000

Average Annual Budget



Select Customer Funding

\$14M Average Annual Funding

\$8,000 Maximum Rebate Per L2 Make-Ready, Limit 10 Ports

\$1,000/kW Maximum Rebate Per DCFC Make-Ready, min 50 kW, limit \$500,000

**"Make-ready" costs are those required to make the site ready for EV charging on both sides of the ComEd meter. Examples of eligible costs include, but are not limited to, permits, electric panel upgrades, conduit, wiring, site work, trenching and repair, required protective equipment, and associated labor. EV chargers, also known as Electric Vehicle Supply Equipment (EVSE), and mounting equipment/pedestals are not eligible for program rebates.

New Customer Resource: EV Load Capacity Map

The EV load capacity maps are a key resource to C&I/public sector customers. They provide an estimate of the remaining circuit load capacity to **help guide electric vehicle charging developers to areas where they may install the charging electric vehicle supply equipment (EVSE) with minimal needs for system reinforcement at 13kV and below sourced by a ComEd substation***

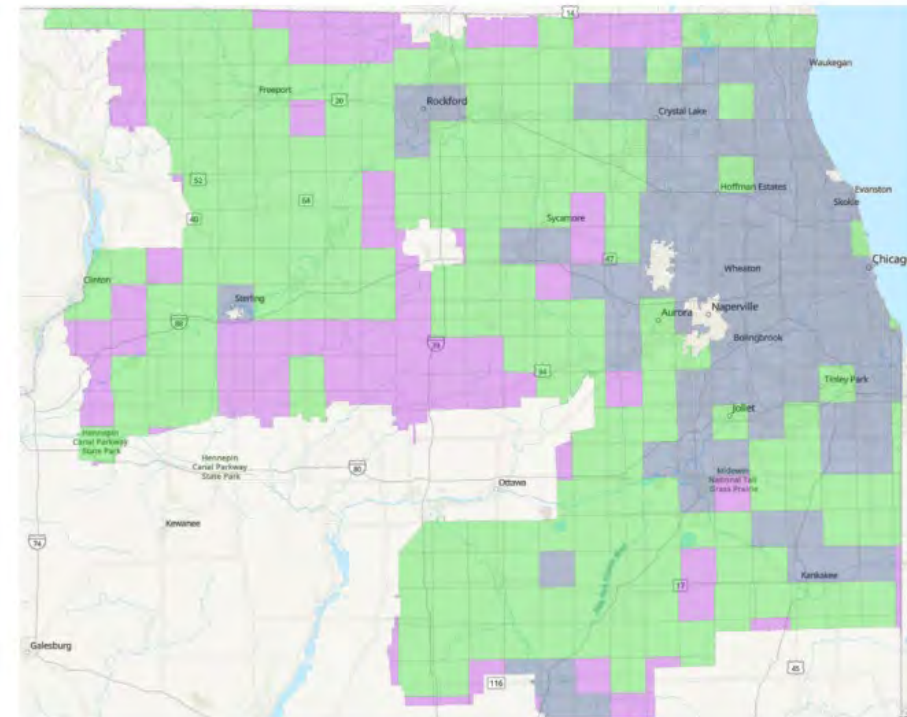
- The map is only for C&I use, does not cover residential EV load.
- New resource available since Dec 2023

ComEd's EV Load Capacity Maps are accessible to customers as part of our [Commercial EV Toolkit](#)

*Analysis conducted under current configurations and prior to any planned infrastructure upgrades such as reconductoring.

Electric Vehicle Charging Map for Ease in Fleet Electrification

This Interactive EV Load Capacity map helps identify potential sites for Electric Vehicle (EV) Charger Installation for fleet electrification, workplace charging, and public charging. Whether you are a customer, contractor, or developer, our ComEd EV Load Capacity map can help you identify potential sites for installing EV chargers on ComEd's distribution circuits (13kV and below). Capacity availability on the map can potentially shorten the timeline for charger connection. The map is intended solely for commercial customer use and is not intended for residential EV charging load. This EV load capacity data is an estimate and is provided for informational purposes only. It is not a substitute for the established application process of EV charger connection to ComEd's distribution circuits and is subject to change.



Estimated EV Load Capacity (kW)

- 3 MW OR MORE
- 501 kW - 3 MW
- 0 - 500 kW

[Access the ComEd EV Load Capacity Map](#)

New Customer Resource: Fleet EV Calculator

C&I /Public Sector Customers are now able to generate a customized Fuel Cost Savings and Carbon Reduction estimate when considering Fleet Electrification: [ComEd Fleet Electrification Calculator](#)

1 Select Vehicles **2** Select a Rate **3** Adjust Charging

STEP 1: Select Vehicles to Compare

Vehicle Category: Light-Duty Vehicle | Vehicle Class: All


Select Electric Vehicle Actual

Year	Make	Model
2023	Ford	F-150 Lightning 4WD
Estimated Range : 230.00 miles		
Battery Capacity : 98.0 kWh		

Select Gas/Diesel Vehicle

Class 1 - Gas - Pickup Truck 2.7L - (22.00 mpg)

MPG	Fuel Price/Gal
22.00	\$3.50
Est. gallons/year	1,309
Grams CO₂/mile	405



Provide Operational Details

Vehicle Count: 4 | Miles/Day: 30 | Days of Operation: S M T W T F S | Charging Equipment: 11.5 kW / 48 AMP

Charging Hint: You will only need to charge once per day, but you should plan to keep around 30% in extra capacity for adverse weather, terrain and to maintain battery health.*

Charge Window: 12am - 6am | Start Time: 7:00 PM | End Time: 6:00 AM

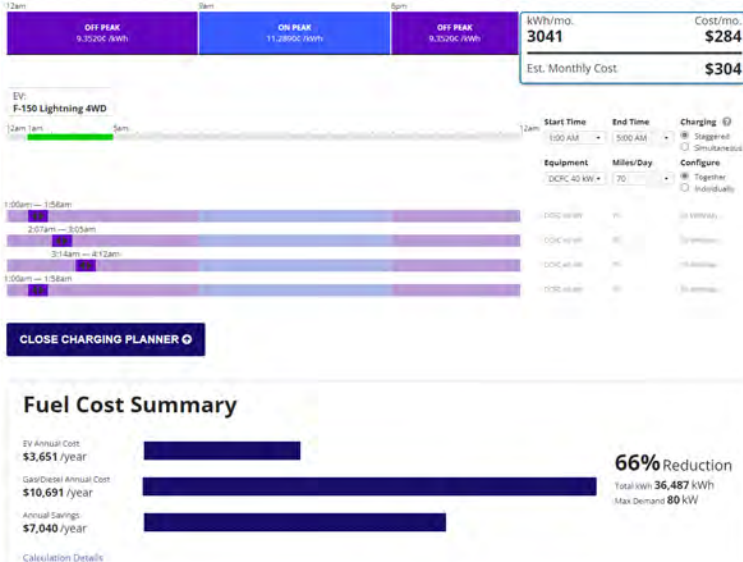
Miles/Year/Vehicle: 28,800

NEXT STEP

STEP 2: Select an Electric Rate Plan

The following sample rates* are designed to help you understand how different options may impact your charging costs. These rates use ComEd's Hourly Pricing rate (BEPH) based on load-weighted average real-time prices and an estimated "capacity obligation".** As a starting point, please review your ComEd bill to determine what plan you are currently on. [Click here](#) to see an example.

- DFC Watt-Hour**
 - Available for nonresidential customers with a separate meter for EV charging and related equipment. Replaces per kW Distribution Facilities Charge with a per kWh charge. This rate may be advantageous if you anticipate a significant amount of charging during peak hours may be required.
- Small (0-100 kW) Primary Service**
 - This rate has a low maximum kW threshold that may only be adequate for 1-10 vehicles charging with level 2 (240 V) charging. This rate will not work for most DCF charging. Rates change periodically and have been averaged to represent estimated annual charging cost.
- Small (0-100 kW) Secondary Service**
 - If you are already on this rate, you may be able to add a substantial number of vehicles charging with level 2 (240 V) charging. This rate may support DCF charging that generally ranges from 50kW to 350kW per charger. If you charge during On-Peak times, this charging may impact your "capacity obligation" cost that is calculated annually.
- Medium (100-400 kW) Primary Service**
 - If you are already on this rate, you may be able to add a substantial number of vehicles charging with level 2 (240 V) charging. This rate may support DCF charging that generally ranges from 50kW to 350kW per charger. If you charge during On-Peak times, this charging may impact your "capacity obligation" cost that is calculated annually.
- Medium (100-400 kW) Secondary Service**
 - If you are already on this rate, you may be able to add a substantial number of vehicles charging with level 2 (240 V) charging. This rate may support DCF charging that generally ranges from 50kW to 350kW per charger. If you charge during On-Peak times, this charging may impact your "capacity obligation" cost that is calculated annually.
- Large (400-1,000 kW) Primary Service**
 - If you are already on this rate, you may be able to add a substantial number of vehicles charging with level 2 (240 V) charging. This rate may support DCF charging that generally ranges from 50kW to 350kW per charger. If you charge during On-Peak times, this charging may impact your "capacity obligation" cost that is calculated annually.
- Large (400-1,000 kW) Secondary Service**
 - If you are already on this rate, you may be able to add a substantial number of vehicles charging with level 2 (240 V) charging. This rate may support DCF charging that generally ranges from 50kW to 350kW per charger. If you charge during On-Peak times, this charging may impact your "capacity obligation" cost that is calculated annually.
- Very Large (1,000-10,000 kW) Primary Service**
 - If you are already on this rate, you may be able to add a substantial number of vehicles charging with level 2 (240 V) charging and will support substantial DCF charging that generally ranges from 50kW to 350kW per charger. If you charge during On-Peak times, this charging may impact your "capacity obligation" cost that is calculated annually.
- Very Large (1,000-10,000 kW) Secondary Service**
 - If you are already on this rate, you may be able to add a substantial number of vehicles charging with level 2 (240 V) charging and will support substantial DCF charging that generally ranges from 50kW to 350kW per charger. If you charge during On-Peak times, this charging may impact your "capacity obligation" cost that is calculated annually.
- Extra Large (Over 10,000 kW) Primary Service**
 - If you are already on this rate, you may be able to add a substantial number of vehicles charging with level 2 (240 V) charging and will support substantial DCF charging that generally ranges from 50kW to 350kW per charger. If you charge during On-Peak times, this charging may impact your "capacity obligation" cost that is calculated annually.
- Extra Large (Over 10,000 kW) Secondary Service**
 - If you are already on this rate, you may be able to add a substantial number of vehicles charging with level 2 (240 V) charging and will support substantial DCF charging that generally ranges from 50kW to 350kW per charger. If you charge during On-Peak times, this charging may impact your "capacity obligation" cost that is calculated annually.



Charging Planner

12am - 6am: OFF PEAK (9.2500c/kWh) | 6am - 8pm: ON PEAK (11.2800c/kWh) | 8pm - 12am: OFF PEAK (9.2500c/kWh)

kWh/mo: 3041 | **Cost/mo:** \$284

Est. Monthly Cost: \$304

Fuel Cost Summary

EV Annual Cost	\$3,651 /year	66% Reduction Total kWh: 36,487 kWh Max Demand: 80 kW
Gas/Diesel Annual Cost	\$10,691 /year	
Annual Savings	\$7,040 /year	

Calculation Details

Interested in learning more or have a question?

Please enter the following details to request more information from us. We'll reply your inquiry and your information will not be shared with any third parties. The questions about Fleet Electrification, email us EV specialist at EVSpecialist@ComEd.com

Your Name: _____ Company Name: _____ Email Address: _____ Phone Number: _____

Installation Address: _____

Fleet Configuration Title/ID: _____

I have a ComEd representative contact me to discuss Fleet Electrification.
 I am interested in having a ComEd Fleet EV Assessment.
 Check here if you are a Fleet Owner.

SAVE

New Customer Resource: Fleet Electrification Assessments

What is the Customer's Interest Level in Fleet EVs?



Curious -
What is it?

Exploring –
Some interest

Planning -
High Interest

Service to Customer	Self Service – ComEd Fleet EV Calculator	Express FEA	Comprehensive FEA
Total Cost of Ownership		√	√ ¹
Charging Plan	√	√	√ ²
Infrastructure Cost - Customer			√
Infrastructure Cost - Utility			√
Investment Cashflow			√
Vehicle Model Recommendation	√	√	√ ³
Vehicle Model Comparison	√		√ ³
Funding Sources	√	√	√ ⁴
Utility/Environmental Impact Analysis	√	√	√ ⁵
Site Specific Consultation		√	√ ⁶

Details:

1- Includes depreciation, financing, carbon & downtime costs above charging infrastructure, maintenance & fuel costs

2- Includes layout and location of chargers.

3- Includes replacement plan based on current fleet models, operations and ROI.

4- Includes analysis of existing customer model groups and selects best fit vehicles.

5- Included in multi-year cash flow analysis.

6- Additional time onsite inventorying existing equipment and site conditions.



Rebate Program Status (through 10/15/24)



~8 months

Since launch of new EV customer programs



>2,500

EV charging ports installed with ComEd rebates (L2/DCFC), of which over 200 are public and rest are residential or private C&I



> 120

Fleet EVs purchased with ComEd rebates, including over a dozen heavy duty/school/transit buses



50%

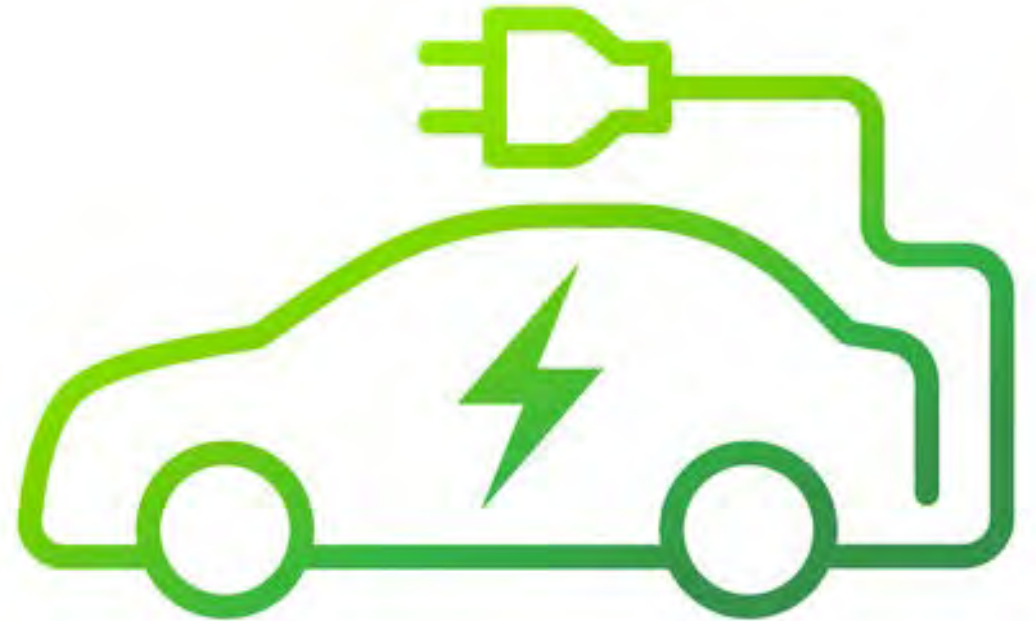
Rebates paid to low-income and EIEC customers

Other EV Customer Strategic Initiatives at ComEd (highlights)

- ✓ EV Service Provider Network (since April 2024)
- ✓ **Make-Ready Rebate Reservations (since July 2024)**
- ✓ Fleet EV Point of Sale Rebates
(since August 15th 2024)

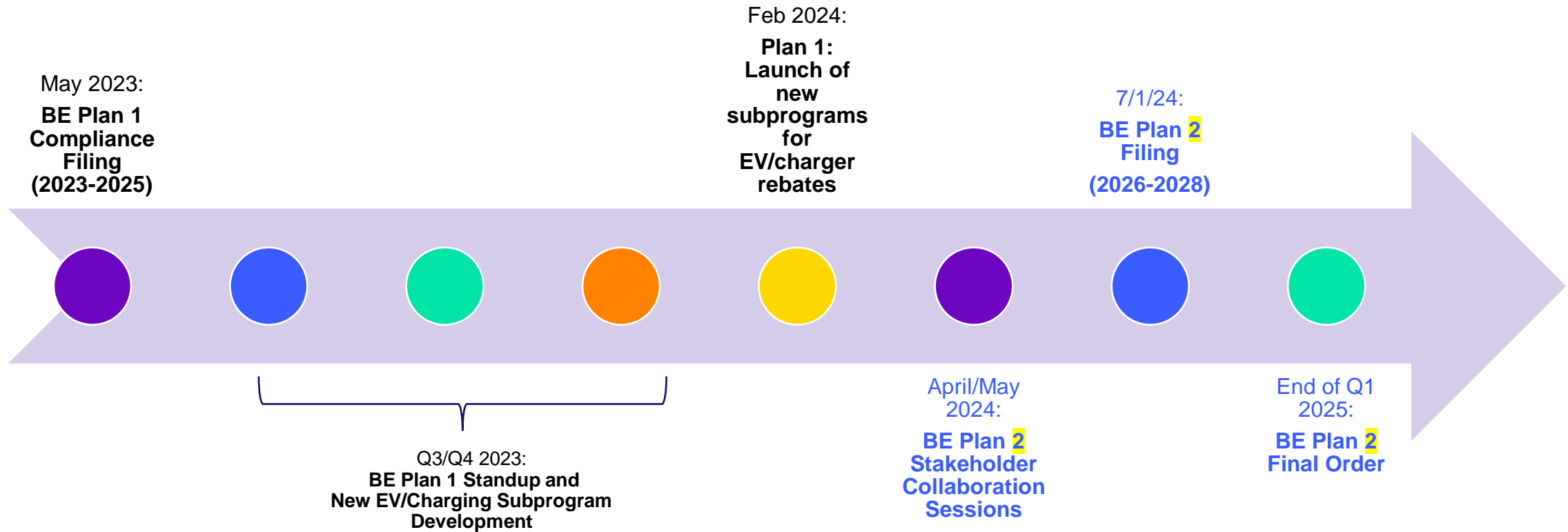
- ❑ Pre-owned Fleet EV Rebates: Q4 2024

- ❑ BE Plan 2 (2026-2028) Final Order: End of Q1 2025





Timeline and Key Milestones for BE Plan 1 (2023-2025) and Plan 2 (2026-2028)



Summary

- ComEd's \$231M 2023-2025 BE Plan 1 is heavily focused on:
 - EV and charging infrastructure incentives, with majority of funds dedicated to Business and Public Sector Customers
 - Low-income customers and Equity Investment Eligible Communities (EIEC), who have at least 50% of funding reserved and receive 50% higher rebates
 - Rebates available for all ComEd customers
- ComEd's three new EV rebate programs launched in February 2024 and are taking applications for rebates on charging infrastructure and fleet electric vehicles
- Multiple new customer tools available to support during electrification journey
- [EV Service Provider Network](#) is also [receiving applications](#)
- ComEd's BE Plan 2 (2026-2028) was filed on 7/1/24, Final Order expected Q1 2025.
- Visit [ComEd.com/Clean](https://www.comed.com/Clean) to learn more

Questions? EVSmart@comed.com



ComEd Honored with Drive Electric Award by Plug in America for its Efforts to Advance EV Adoption

CHICAGO | September 4, 2024

ComEd Media Relations | [1-312-394-3500](tel:1-312-394-3500)

Top honors in the utility category a testament to ComEd's work to remove barriers and support widespread, equitable EV adoption in northern Illinois

Plug in America, a national electric vehicle advocacy group, today announced that ComEd is the only energy company to earn a **2024 Drive Electric award**. ComEd was selected for the exclusive honors based on its efforts to advance the electric vehicle (EV) movement, and for the creation of EV customer programs designed to address gaps and equitably increase the adoption of EVs.

EVs are on the rise in Illinois today, with over 111,000 EVs currently registered in Illinois, and nearly 90 percent of them in ComEd's northern Illinois service territory. EV adoption is expected to increase in the future, as the state of Illinois, through its Climate and Equitable Jobs Act (CEJA), has set a goal of getting 1 million EVs on the road by 2030.

"As I've said since day one of my administration, a clean energy future is meaningless if it leaves behind the historically disenfranchised and perpetuates inequities. ComEd is working alongside state programs like CEJA to ensure this isn't the case, and I'm grateful for their leadership," said Governor JB Pritzker. "This award recognizes the work they've done to make EVs accessible to a broader audience of Illinoisans, helping us on our goal of 1 million EVs on the road by 2030."



comedSM

AN EXELON COMPANY

Questions



Vincent Jenels
**Executive
Director**
**Nextech Energy
Systems**



Elbert Walters III
**Executive
Director**
**Powering
Chicago**



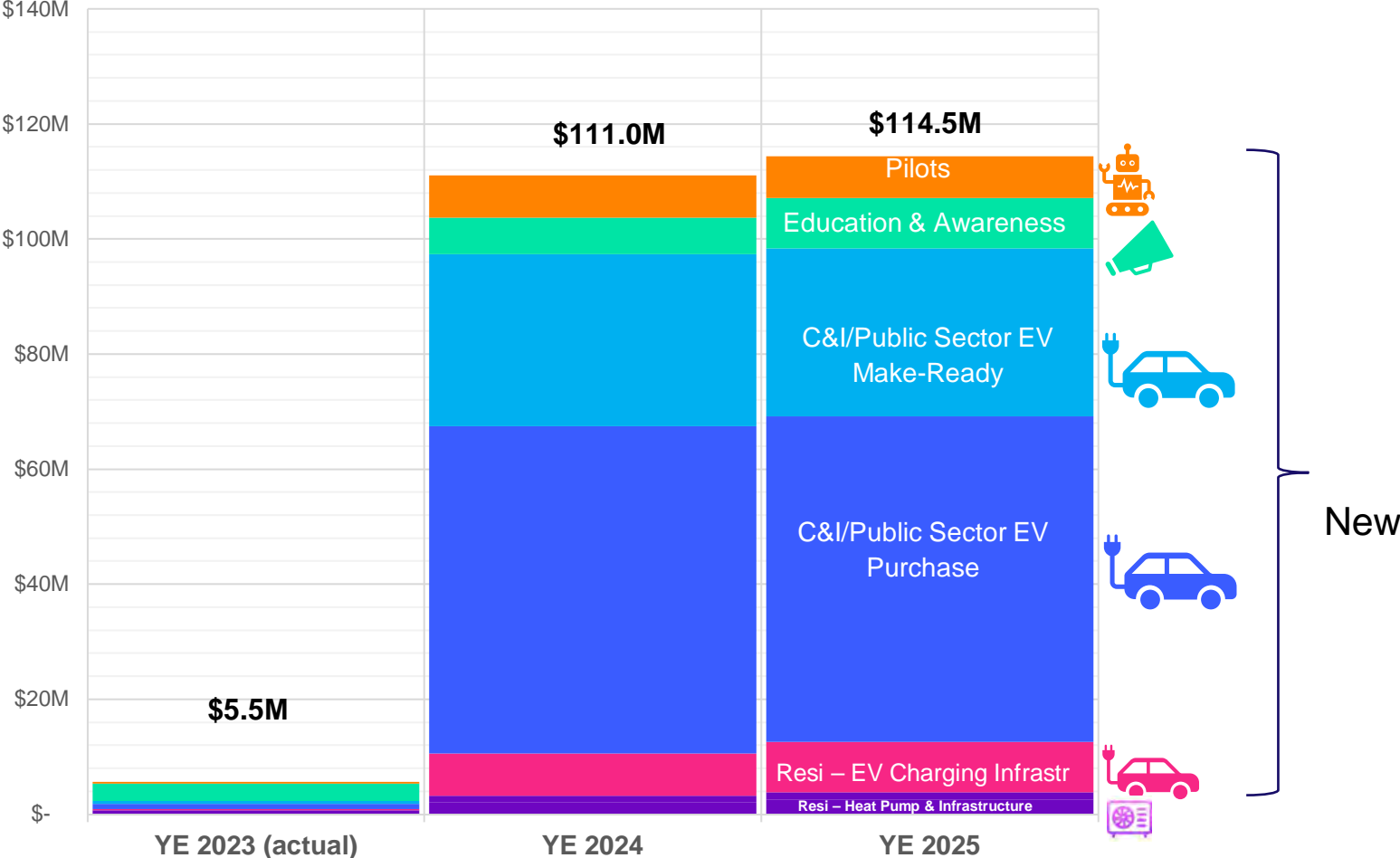
Adam Kahn
**Community
Associations
Partner**
**Levenfeld
Pearlstein, LLC**



Cristina Botero
**Sr. Manager,
Beneficial
Electrification**
ComEd

BE Plan 1 Budget (Total \$231M over 3 years)

BE Plan – Annual Budget (\$Million)



What is “Make-Ready” EV Charger Infrastructure?

“Make-ready” is used to refer to costs for making a site “ready” for EV charging, excluding the chargers. This could include permits, electric panel upgrades, conduit, wiring, site work, trenching and repair, required protective equipment, and associated labor. EV chargers, and mounting equipment/pedestals are not eligible for program rebates.

