

Ohm Analytics Q4 2024

US EV Charging Market Report

Market intelligence for the distributed energy transition.

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covering the distributed energy transition



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Executive Summary: Introduction

Commercial:

- Steady Q4 2024 with a **30% YoY increase** in L2 ports installed, and **31% YoY increase** in DCFC ports installed
- **2% QoQ increase** in commercial L2 and DCFC ports installed compared to Q3 2024
- **Fleet and multi-family charging account for 62%** of commercial ports installed in Q4
- Strong push in 2024 with funding at federal, state, and utility level that drove a record number of port installations: **149,000** ports in 2024 (**87,000** in fleet and multi family verticals) compared to **110,000** total ports in 2023

Residential:

- Residential market installations **down 3% YoY in Q4 2024**
- **7% YoY increase in 2024** for residential installs
- EV sales grew 10% YoY in Q4 2024, but uncertainty remains around EV tax credits as bills have been introduced at the federal level to repeal the \$7,500 new and \$4,000 used EV credit
- The federal goal from the Biden administration that 50% of new car sales are EVs by 2030 is revoked

Policy and Market:

- Pause of federal funding programs, including **NEVI**, has garnered significant attention but state and utility level programs continue to drive new installations, especially for multi family charging
- Utilities are focusing on multi family and other L2 charging **rebate programs** as DCFC funding has been depleted in several large programs, though two state programs for DCFC in California are slated to open later in 2025
- Increasing number of **VPP, V2X and managed charging pilots** in states such as GA, IL, and MA

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- Retail
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Commercial OEM and Network Market Shares

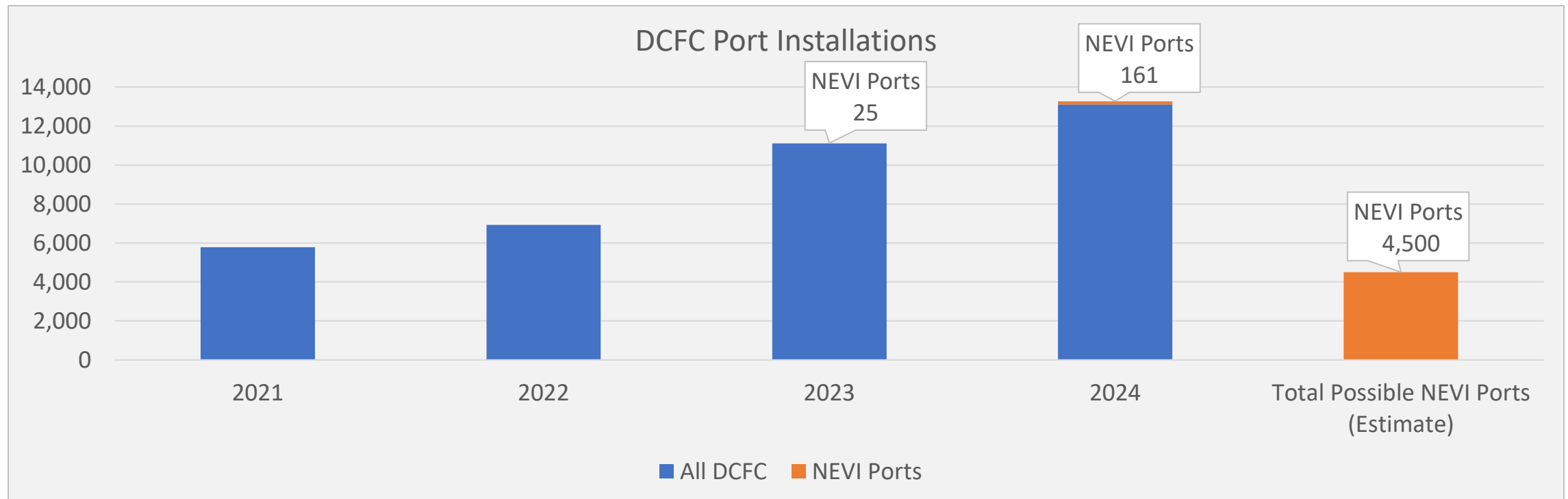
- L2 Charging
- DC Fast Charging *(Included)*

Residential Market

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Policy and Market: NEVI

- NEVI program was building momentum through the end of 2024 with **186** open ports
- FHWA suspended the program on Feb 6, 2025 to review and issue new guidance. States will be required to submit new plans that comply with the new guidance and no new funding obligations will occur until then
- While the program pause garnered media attention, the relative size of the program is about 1/3 of the total public DCFC ports energized in 2024, though its intention was to strategically fund chargers to be built in areas where they would otherwise be not economically feasible, not meaningfully scale a national DCFC network



Funding Program Updates

Oregon

2/12/25: Oregon Department of Transportation’s Community Charging Rebates Program gains an additional \$700k in funding which brings the total budget to \$1.3m for Round 3.

Illinois

Included in Full Report

New York

3/3/25: ConEd’s L2 make ready program 2025 budget of \$237.8m is 64% reserved. NYSEDA’s Charge Ready 2.0, which offers a multifamily program, has \$6.3m remaining of its \$12m budget.

Massachusetts

12/19/24: MassEVIP’s total \$2.5m funding in funding for its Multi-Unit Dwelling program can be combined with Eversource and National Grid’s make ready programs which are still accepting applications.

California

12/18/24: California’s FAST 2.0 opens with \$10m available for public DCFC projects with 10+ ports. CALeVIP Fast Charge Project opens 7/8/2025

California

Included in Full Report

California

Included in Full Report

Colorado

2/14/25: Charge Ahead Colorado closes applications for its Multifamily Housing Portfolio pilot which will fund large-scale EVSE deployment across at least 3 different multi family properties.

Maryland

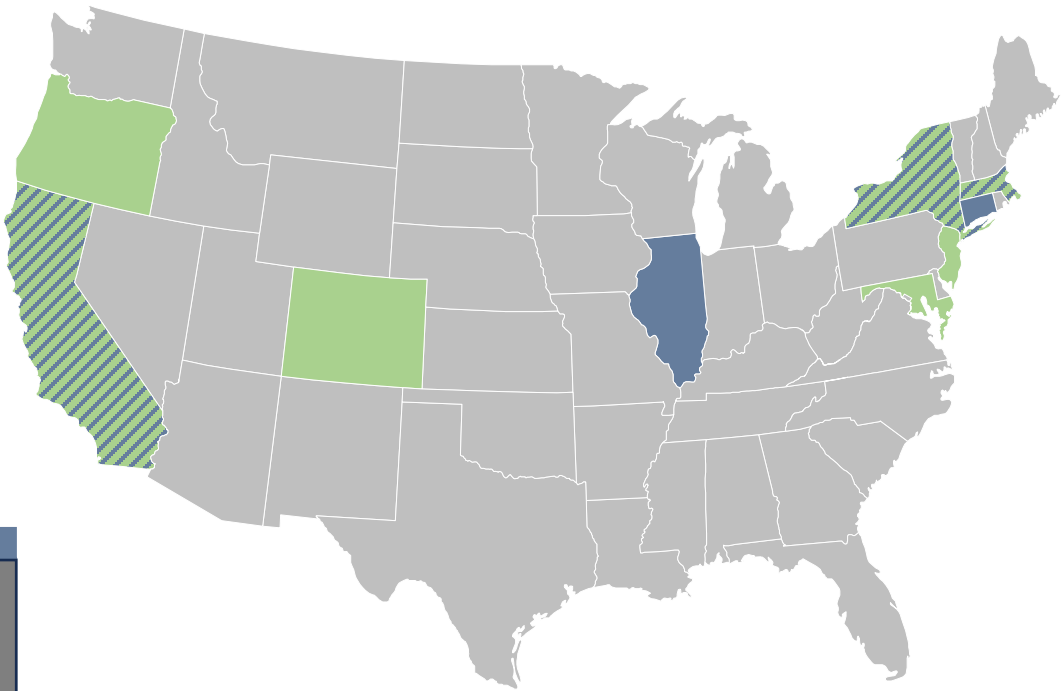
Included in Full Report

Connecticut

12/29/24: The Eversource program remains closed and new applications will be placed on a waiting list.

New Jersey

1/27/25: Charge Up New Jersey has \$5.2m of funding reserved for its MUD EV Charging Program with a total budget of \$32.8m.

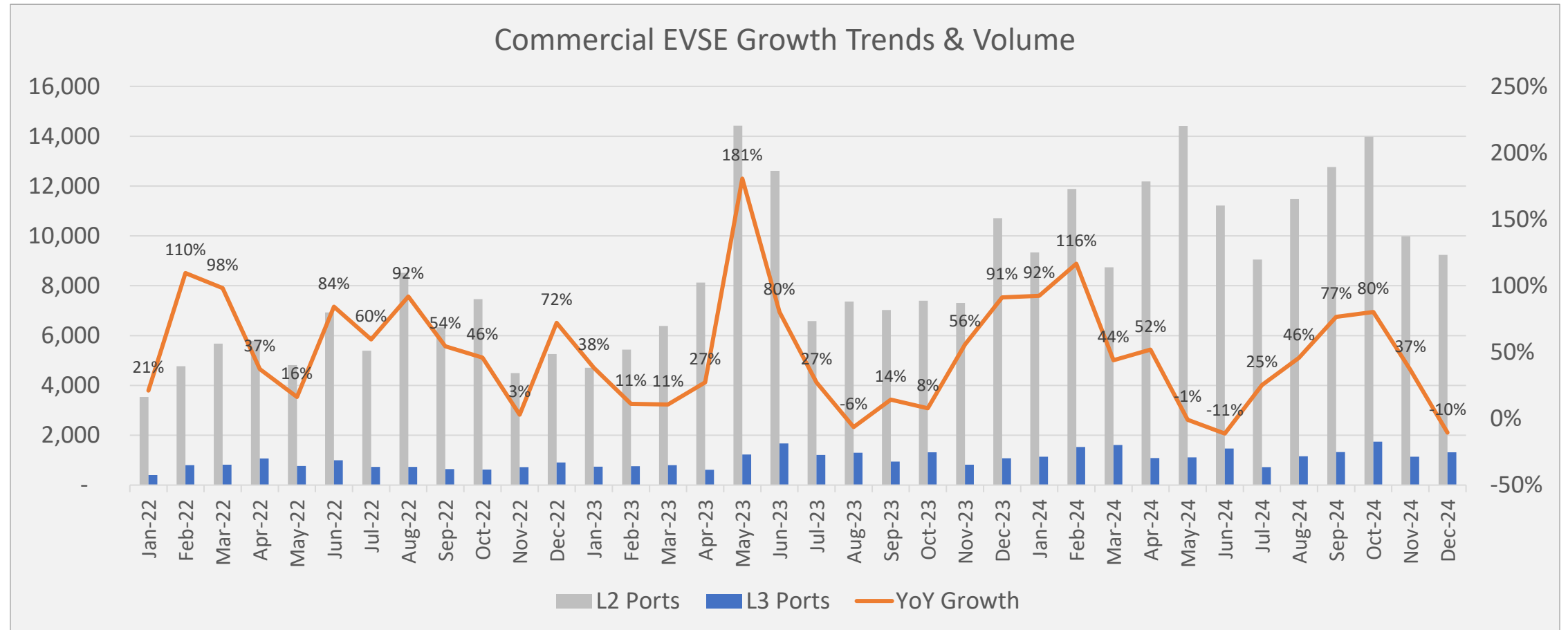


State Program

Utility Program

Commercial Charging Trends

- Commercial L2 Grew **30% YoY in Q4**, **36% YoY in 2024**, and was **flat QoQ**
- DCFC Charging Grew **31% YoY in Q4**, **23% YoY in 2024**, and **31% QoQ**

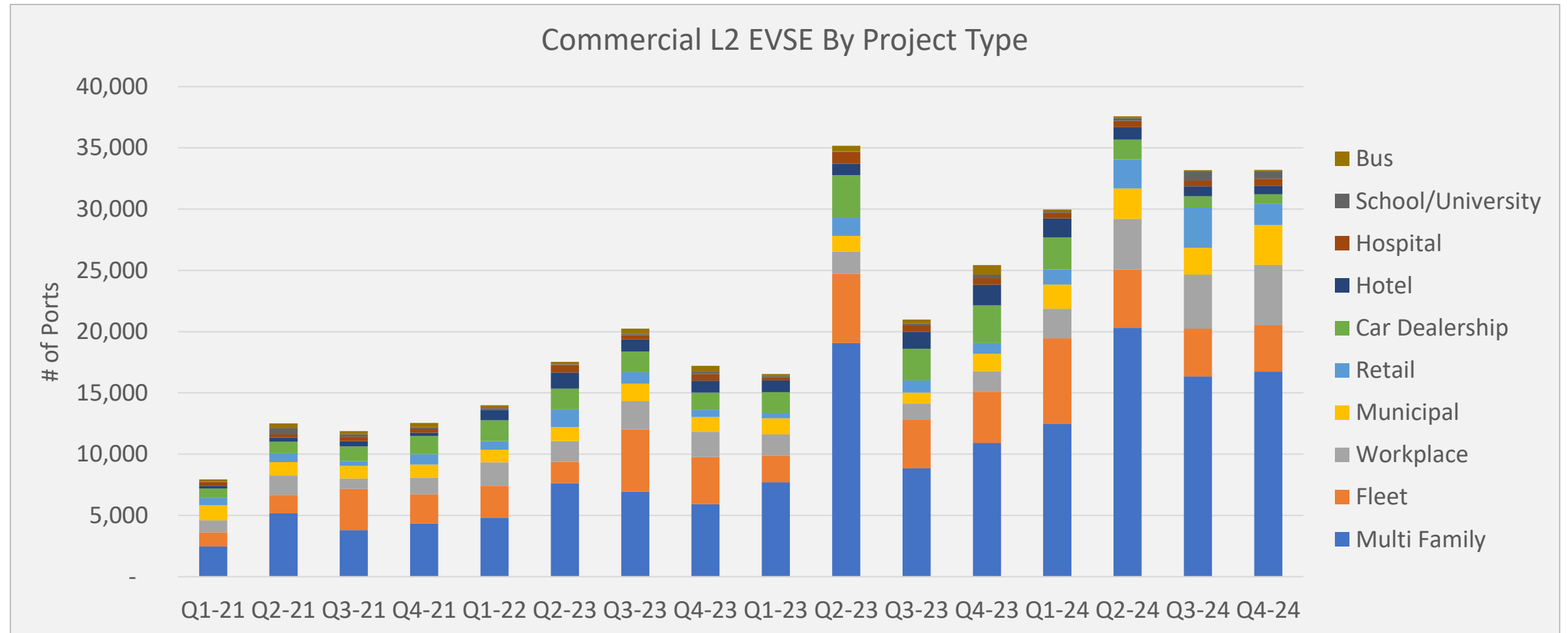


Source: Ohm Analytics Direct Project-Level Data Research Collection. Includes Multi-Family, Fleet, Bus, Workplace, and Public Projects.

of ports available on select projects. Assumptions made for stations missing # of port value via analysis from Ohm Dataset and AFDC.

Commercial Charging Trends: L2

- **Multi family** and light-duty **fleet** projects continue to dominate the L2 market with **62%** of ports installed in Q4
- Deploying L2 chargers at scale can be more profitable and rebate programs from utilities such, as **LADWP** and **ConEd**, are incentivizing large projects
- **Municipal** L2 charging, aided by public grants and utility rebates, saw its best quarter in Q4 with a total of 3,040 ports installed



Notable Projects Q4 2024

Washington

Dec-24: Resound Energy+COIL installs 80 L2 SWITCH/Wallbox chargers at 4 Greystar multi family properties in Seattle, the beginning of contract announced for 2,500 ports in WA

Ohio

12/6/24: Civil & Environmental Consultants installs 184 L2 chargers and 2 L3 chargers at the Amazon facility in Kettering

New York

12/17/24: BLZ Electric installs 136 L2 chargers at Cross Island Plaza, a mixed multi family and office property,

California

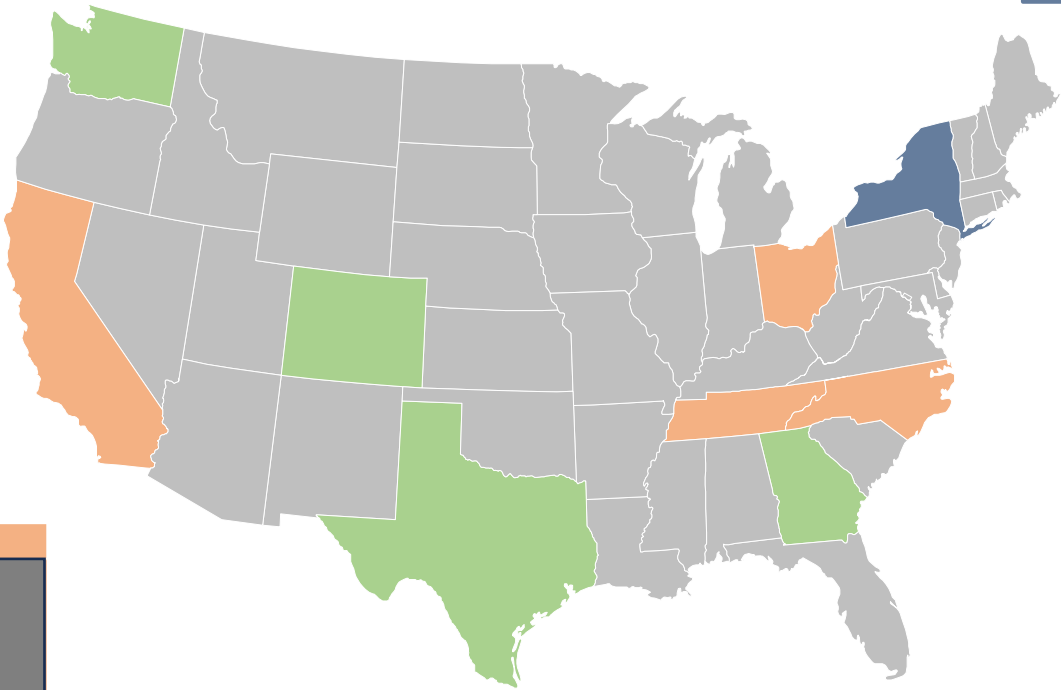
Included in Full Report

California

12/17/24: AMS Electric installs 32 ChargePoint CP-6000 L2 dual port chargers at Workday headquarters in Pleasanton

California

Included in Full Report



North Carolina

Included in Full Report

Tennessee

10/14/24: Nextedge installs 46 L2 ports and 4 L3 ports at the Frito-Lay distribution facility in Chattanooga

Georgia

Included in Full Report

Colorado

11/18/24: LDI Mechanical installs 77 L2 EV charging spaces at a 289-unit new construction apartment building in Denver, Alexa Pena Station West

Texas

12/19/24: Smart Charge America installs 34 L2 chargers at The Linden Residences in Austin

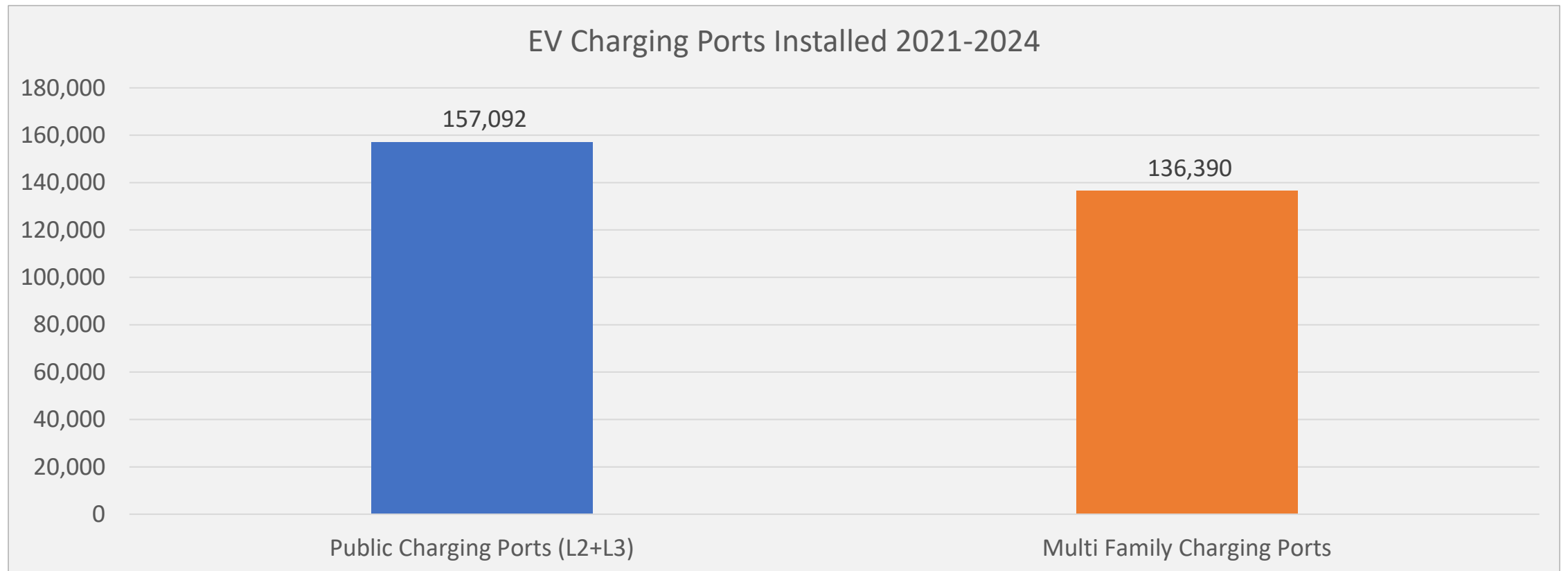
Fleet

Multi Family

Workplace

Multi Family Market Size

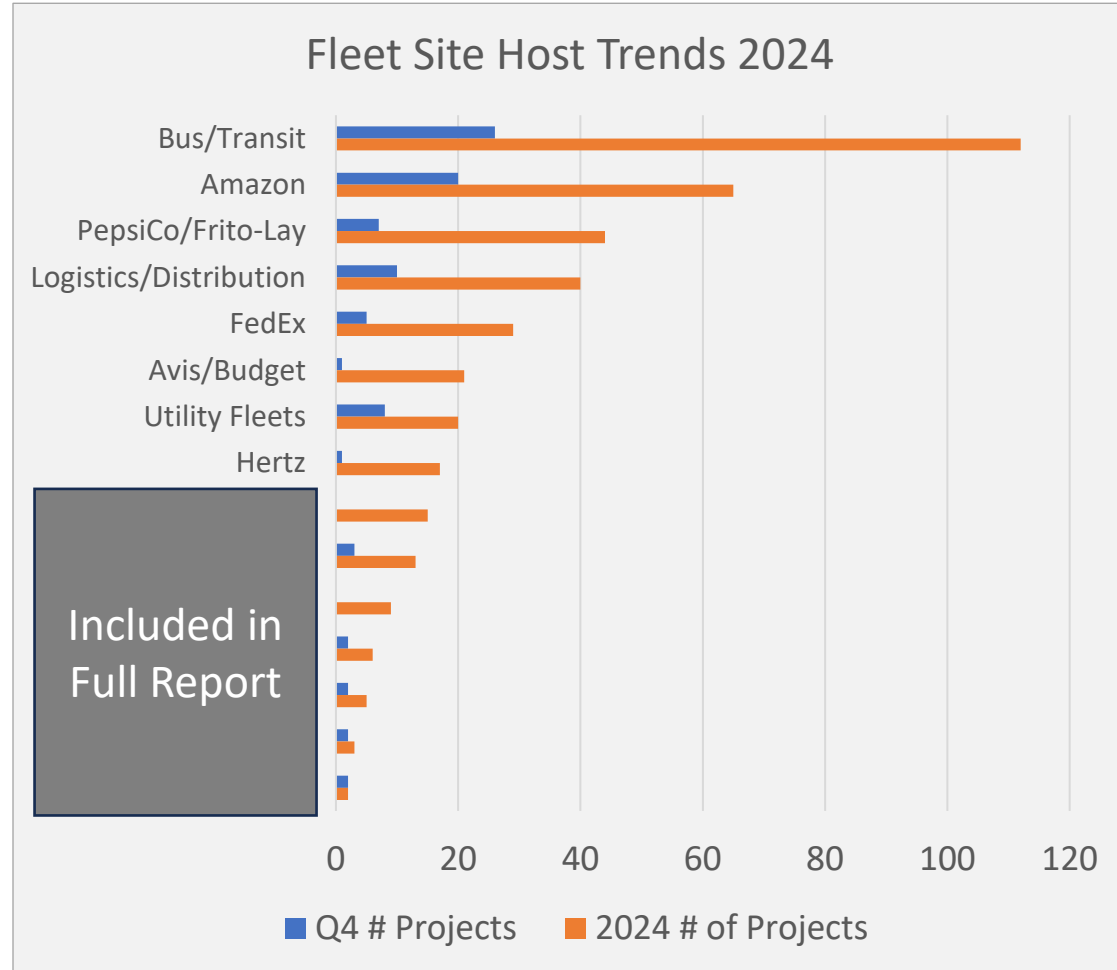
- Compared to total public L2 and DCFC ports installed from 2021 to 2024, the multi family market is **87%** of the size, highlighting the significance of this vertical
- Installations are being driven by:
 1. Rebate programs (see Utility & State Programs Report section)
 2. Building code requirements (see next page for more detail)



Source: Ohm Analytics Direct Project-Level Data Research Collection.

Site Host Trends: Fleets

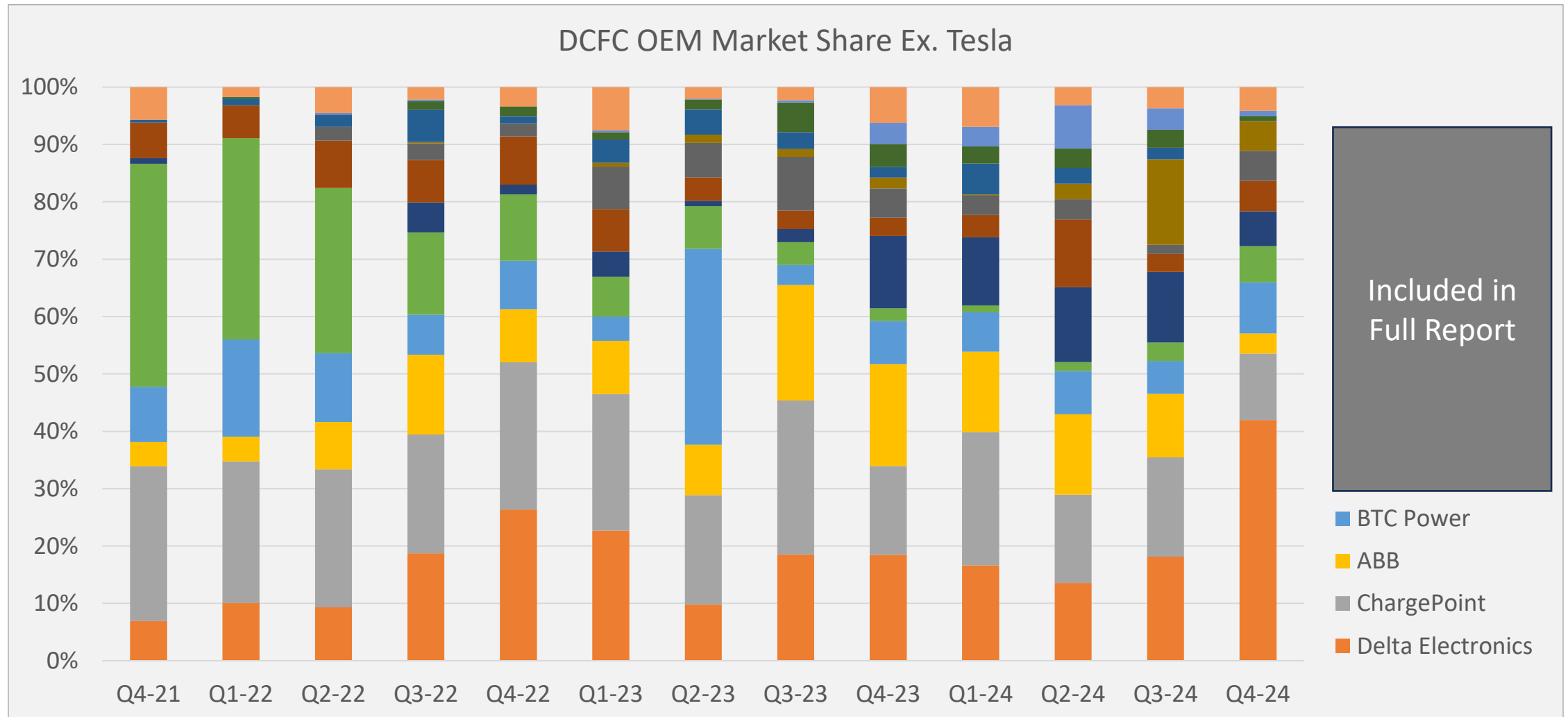
- Charging installations for rental car fleets **decreased 38% YoY in 2024** confirming pullback from fleet electrification goals
- Installations for Bus/Transit **increased 25% YoY in 2024** thanks to grant awards from EPA Clean School Bus Program, and other state-level rebates
- **Frito Lay** expands fleet electrification footprint 4x in 2024 while deploying **Kempower, InCharge,** and **Tesla** DC charging equipment



Fleet	Avg # L2 Ports	Avg # L3 Ports
Bus/Transit		9
Amazon	122	2
PepsiCo/Frito-Lay	34	2
Logistics/Distribution	10	4
FedEx	13	2
Avis/Budget	7	
Utility Fleets	15	
Hertz	10	
Included in Full Report	3	
	10	6
	8	
	9	
	1	4
	6	
	31	2

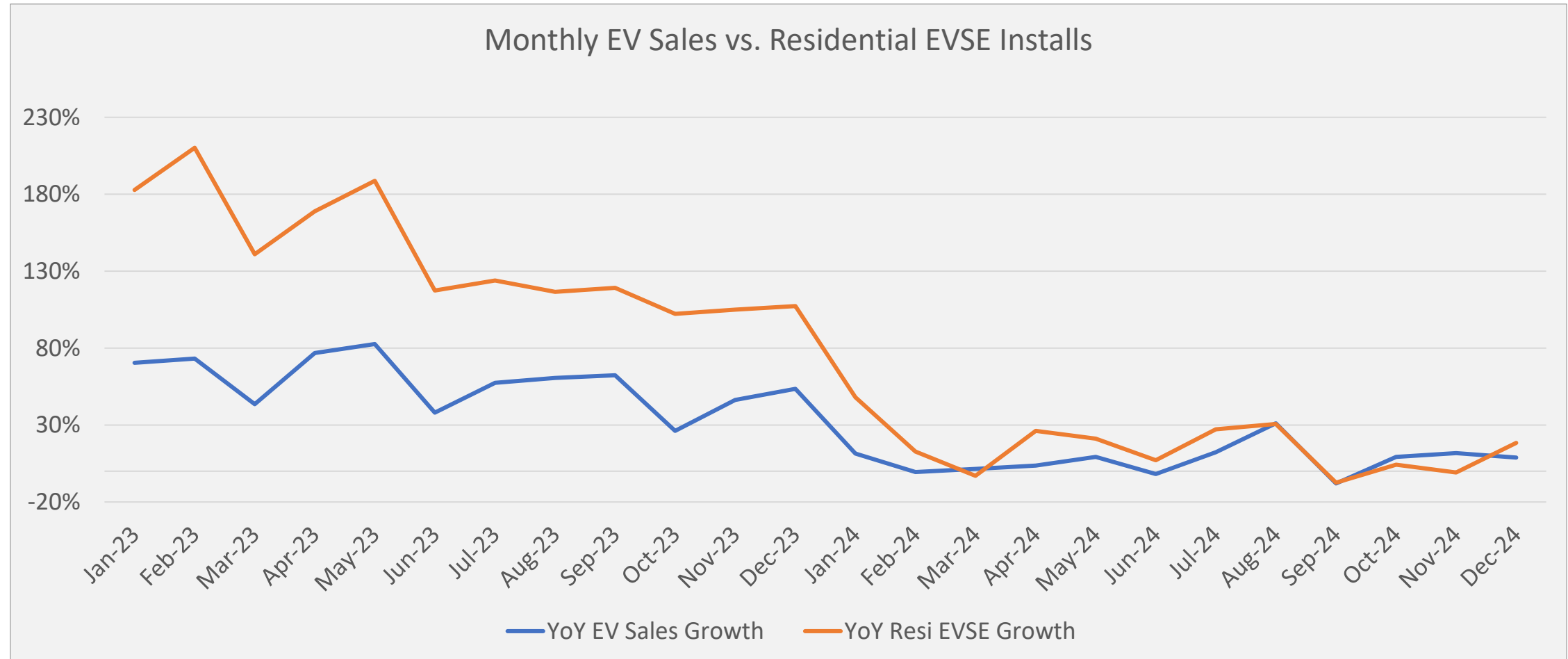
DCFC OEM Market Share

- **Delta Electronics'** market share grew **321% QoQ in Q4** due to increased activity from **EVgo**
- **BTC Power** activations increase **182% QoQ in Q4** in part through replacements of legacy **SK Signet** stations at Electrify America locations



Residential Charging Trends

- EV sales grew **10% YoY** in Q4 2024
- **QoQ** EV sales remained flat
- Tesla's vehicle sales increased, but overall growth has slowed, and the company is losing market share in some markets



Set up a demo of the full Ohm EV Charging Project Tracker and Market Intelligence Tool

[Demo Link](#)

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