



Ambitious policy goals rooted in the CLCPA¹ are driving the pace of clean transportation progress in NY state

NY State Clean Transportation Policy Goals and Mandates for ZEVs² Green indicates 100% endpoint 100% LD Sales 35% LD³ Sales 50% LD Sales 100% Truck and 100% ZEV 7%-11% Truck & 30-50% Truck & 40-75% Truck & Bus MHDV in MOU⁵ Bus Sales **Bus Sales** Sales **Bus Sales** 100% School 100% ZEV School Bus Sales 2027 Buses in NY 2040 2025 2030 2035 2045 2050 •25% Rental cars: • 100% Car Sales: •50% Sales: GM. GM Hertz Ford, VW By 2035, ~11,000 school • 100% ZEV NYC • 100% NYC fleet • 100% Sales: buses will need to be ZFV in fleet LD and MD LD and MD⁴ Volvo, Mercedes, purchases etc. Con Edison service territory • 100% Ride Hail NYC



^{1.} Climate Leadership and Community Protection Act

^{2.} ZEVs = zero-emission vehicles

^{3.} LD = Light Duty

A robust electric car market has emerged in the NYC¹ area while the market is incipient for larger vehicles

Con Edison is committed to doing its part to support clean transportation progress in NYC and NY State













Emerging Market

Immature Market

	Micro-Mobility and Cars ²	Trucks and Buses	Marine, Aviation, Off-Road
2023 Q3 Market Size (EVs in operation)	55,000	550	Negligible
2023 Q3 Market Share (% EVs on the road)	2%	0.5%	Negligible
2023 Q3 Market Growth (% of Vehicle Sales)	9%	3%	Negligible

With over 5,000 charging plugs installed in the past year under Con Edison's PowerReady program, light-duty EV market growth in NYC has nearly caught up with the early adoption in Westchester.

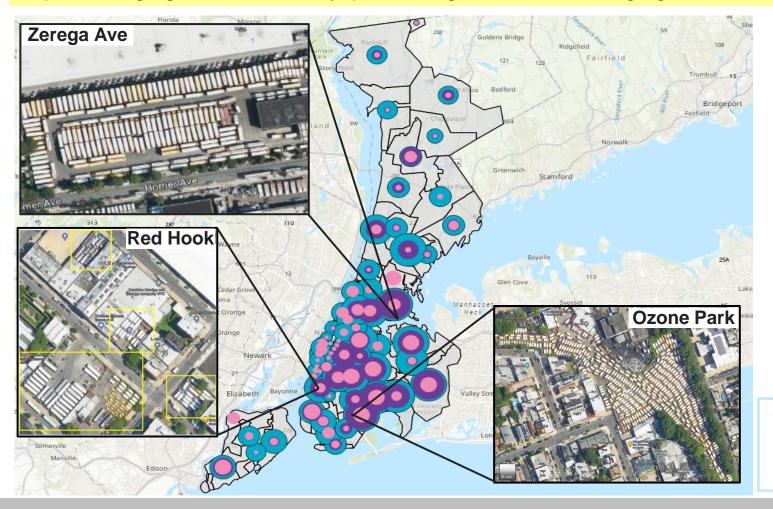


^{1.} Data includes NYC and Westchester County, Con Edison's service area.

^{2.} Numbers in column are for cars only, and don't include micro-mobility

Fleets are highly clustered, with many commercial trucks and buses located in industrial business zones

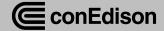
Challenge: Many fleets across our area are hyper-densely packed and some park on the street, making on-deport charging infeasible today, presenting a barrier to charging access and electrification progress



Legend

- Number of fleet HDVs¹
- Number of fleet MDVs
- Number of fleet LDVs
- ☐ Con Edison Networks
- 1 88 vehicles
- 600 1,000 vehicles
- 1,000 2,000 vehicles
- > 8,000 vehicles

In industrial areas roughly 15-20% of MHDV fleets were observed to be parked on the street outside depots



Many school bus and other fleets ready to electrify today lack the space for typical on-depot charging in NYC's dense urban area

Impacts

Key Barriers

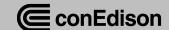
- Unique practical solutions are <u>not</u> <u>available today</u> in the NYC area to support requirements starting in 2024
- Key funding streams like NY State zeroemissions school bus Bond Act and Federal EPA school bus funding currently support only depot charging

Considerations

- Development of practical solutions is the first step
- Need to ensure critical enabling funding streams support these unique solutions, otherwise urban fleets will be left behind

Climate & Community Impacts

- **Delayed** reductions in Greenhouse Gases
- Delayed mitigation of health impacts in urban communities
- Risks non-compliance with ACT¹, ACCII², Clean School Bus Mandate³, & proposed new EPA regulations
- All NYC counties and Westchester are designated Clean Air Act Nonattainment Areas⁴, failing to meet clean air standards today
- Air quality impacts are particularly acute in areas where MHD vehicles operate, such as Hunt's Point and Zerega Ave



I. Advanced Clean Trucks Rule

^{2.} Advanced Clean Cars Rule II

^{3.} NY State Zero-Emissions School Bus Mandate

Regarding fleet electrification, a critical obstacle to collectively overcome in 12 months is developing creative policy and other unique solutions for fleet charging in our dense urban environment.

