

# Navigating the Future of E-Mobility in Illinois

March 26, 2025







# Electrification Strategies from CDOT's 2021 Strategic Plan

- Reduce emissions from CDOT's fleet
- Increase availability of public charging stations for electric vehicles
- Relaunch Chicago's Drive Clean Truck Program and expand efforts to reduce emissions from truck fleets
- Expand micromobility solutions, such as escooters
- Bring Divvy to every Chicago neighborhood









# 202\*\*\*\* CAP CHICAGO CLIMATE ACTION PLAN









# Chicago's Climate Action TE Strategies

- Enable electric freight loading docks at commercial and industrial buildings, addressing new buildings by 2025 and existing buildings by 2030
- Support equitable electrification of ridehail and taxi fleets by 2030
- Enable 100% electrification of delivery fleets by 2035
- Electrify 100% of the City's fleet by 2035
- Achieve zero-emission transit fleets across Chicagoland by 2040
- Enable 2,500 new public passenger EV charging stations by 2035

#### Miles Park Ridge ROGERS PARK Ravenswood - Gas/Diesel O'HARE lare - Gas/Diesel/E-85 Sunnyside AGas/Diesel2 Franklin Park COLN PARK Melrose Park Oak F NW - Gas/Diesel/E-85 Maywood Jhicago Berwyn CHINATOWN Cicero LITTLE VI Brookfield Zoo BRIDGEPORT Brookfield SW - Gas/Diesel/E-85 La Grange HYDE PARK Bedford Park Midway - Gas/Diesel 65th & State - Gas/Diesouth SHORE Burbank Hickory Hills Evergreen Park Oak Lawn ROSELAN EAST SIDE 101 - Gas/Diesel/E-85 104 - Gas/Diesel Palos Heights Alsip

## Fleet Electrification Update

**203 EVs** 

28% 215 chargers

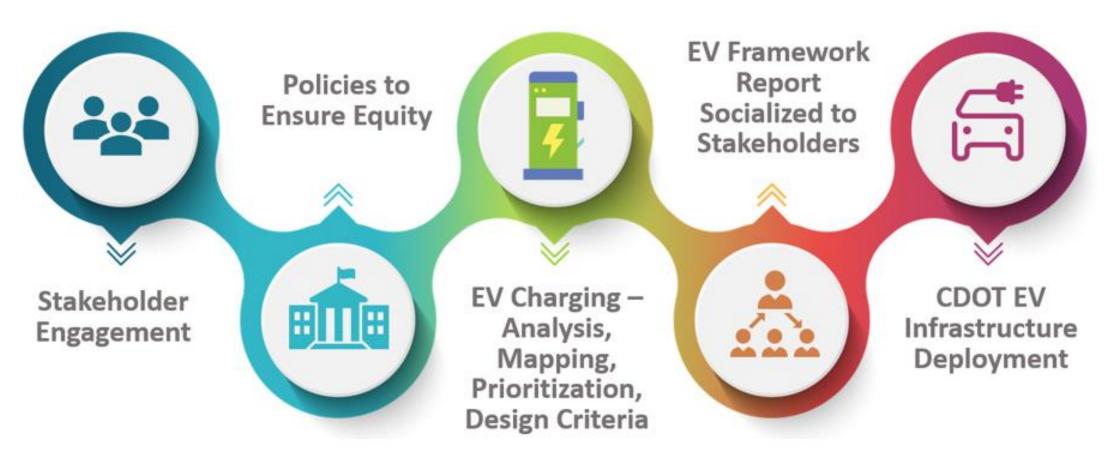




# EV and E-Mobility Infrastructure Framework



# **Framework Scope**







## **City's EV Resources Website**

#### \* DRIVE ELECTRIC CHICAGO \*

#### Welcome!

This page includes resources, quick reference guides, and information to help residents and businesses learn about electric vehicles (EVs) and EV charging stations, make informed decisions, and navigate the EV charger permitting and installation process

#### What are Electric Vehicles?

EVs are motor vehicles that are powered either entirely (battery electric vehicles) or partially (plug-in hybrid electric vehicles) by rechargeable batteries. These batteries are recharged when connected to the electric grid, meaning you can potentially charge your car from the comfort of your own home. Depending on the charging station, a full charge can take anywhere from only 30 minutes to 18 hours. When fully charged, a PEV is more than capable of completing the average daily commute.

#### How Do EVs Work?



#### 01.

#### **EV Benefits**

What are FVs and how they can be a cleaner, lower cost transportation option

#### 02.

#### **Public Charging**

Where to find public charging in Chicago and when traveling in the region or cross-country

#### 03.

#### **Permitting**

What residents and businesses need to know about the City's permitting process

#### 04.

#### Incentives

How to access incentives from local and federal sources for EVs and chargers

City of Chicago :: Drive Electric Chicago

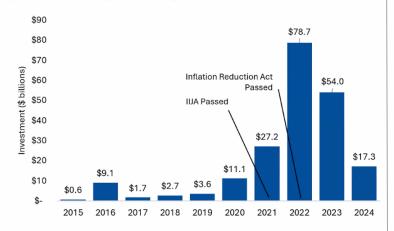
### CDOT's Clean Transportation Grant Funds

*	Funding Source	Agreement Signed	Incentive Program	Fuels Deployed	Award Amount	Est. # of EVs	Est. # EV Chargers
Charge Up Chicago	FHWA CFI			EV Chargers	\$15,000,000	-	136
Energy Efficiency Conservation Block Grant	USDOE	<b>~</b>		EV Chargers	\$1,109,900	-	TBD
Diesel Emissions Reduction Act Grant	USEPA	<b>~</b>		E-Trucks and Chargers	\$3,825,000	10	5-10
Drive Clean Chicago	IDOT CMAQ		<b>/</b>	EV chargers and CNG station	\$1,425,000	-	12
Drive Clean Truck	IDOT CMAQ		<b>/</b>	EV chargers	\$17,800,000	-	400
Drive Electric Chicago	IDOT CMAQ			EV chargers	\$15,507,000	-	500
					\$54,666,900		

# INVESTMENTS RAMPED UP AROUND IIJA AND IRA PASSAGE

- \$208.8 billion and 240,000 jobs for EV supply chains since 2000
- >50 percent announced after Infrastructure Investment and Jobs Act and Inflation Reduction Act

Figure 1: EV and Battery Investment by Announcement Year Since 2015



The data in this figure includes private investment in EV and Battery manufacturing and does not include federal support or investments in non-manufacturing sectors. Data through September 30, 2024.

Source: EV Jobs Hub [2]

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### FEDERAL SUPPORT PROVIDES >\$28 BILLION FOR EV SUPPLY CHAINS







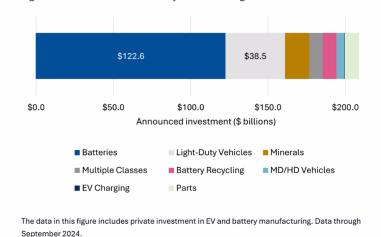
Loans for EV and battery manufacturing

Grants for battery materials processing, manufacturing, and recycling and ICE to EV conversion Tax credits for new manufacturing

#### INVESTMENTS SPAN BATTERY AND EV SUPPLY CHAINS

- Batteries receive >50 percent of announced investment
- Vehicle assembly receives 25 percent

Figure 2: Announced Investment by Manufacturing Sector since 2000



# MANUFACTURERS CITE BENEFITS OF FEDERAL SUPPORT

Company, Announced Investment	Quotes from 10-K Filings
General Motors \$17.6 billion	"IRA benefits, including credits and lower material costs, are expected to materially affect net income in the future We are also entitled to certain advanced manufacturing production credits under the IRA."
Ford \$11.1 billion	45X will "improve the financial performance of domestic battery manufacturers, including the new operations at our upcoming facility in Michigan and BlueOval SK's facilities in Kentucky and Tennessee."
Rivian \$9 billion	"[t]he unavailability, reduction or elimination of government and economic incentives could have a material adverse effect on our business, prospects, financial condition, results of operations, and cash flows."

#### Slides curtesy of Atlas Public Policy, 3.25.25

# THANK YOU



#### Samantha Bingham

Clean Transportation Program Director Samantha.Bingham@cityofchicago.org



DriveElectricChicago.org



Chicago Moves Electric – EV and E-Mobility Framework