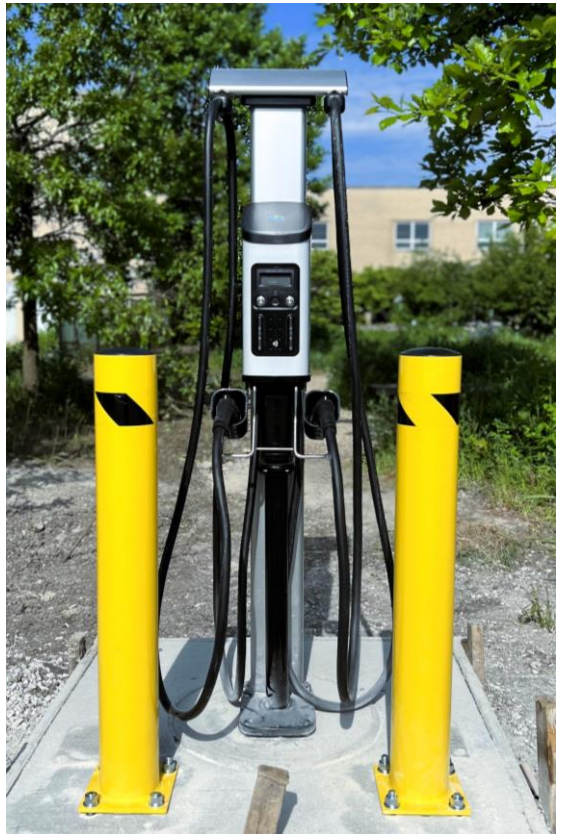
CHICAGO

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 e-scooters
- Bring Divvy to every Chicago neighborhood



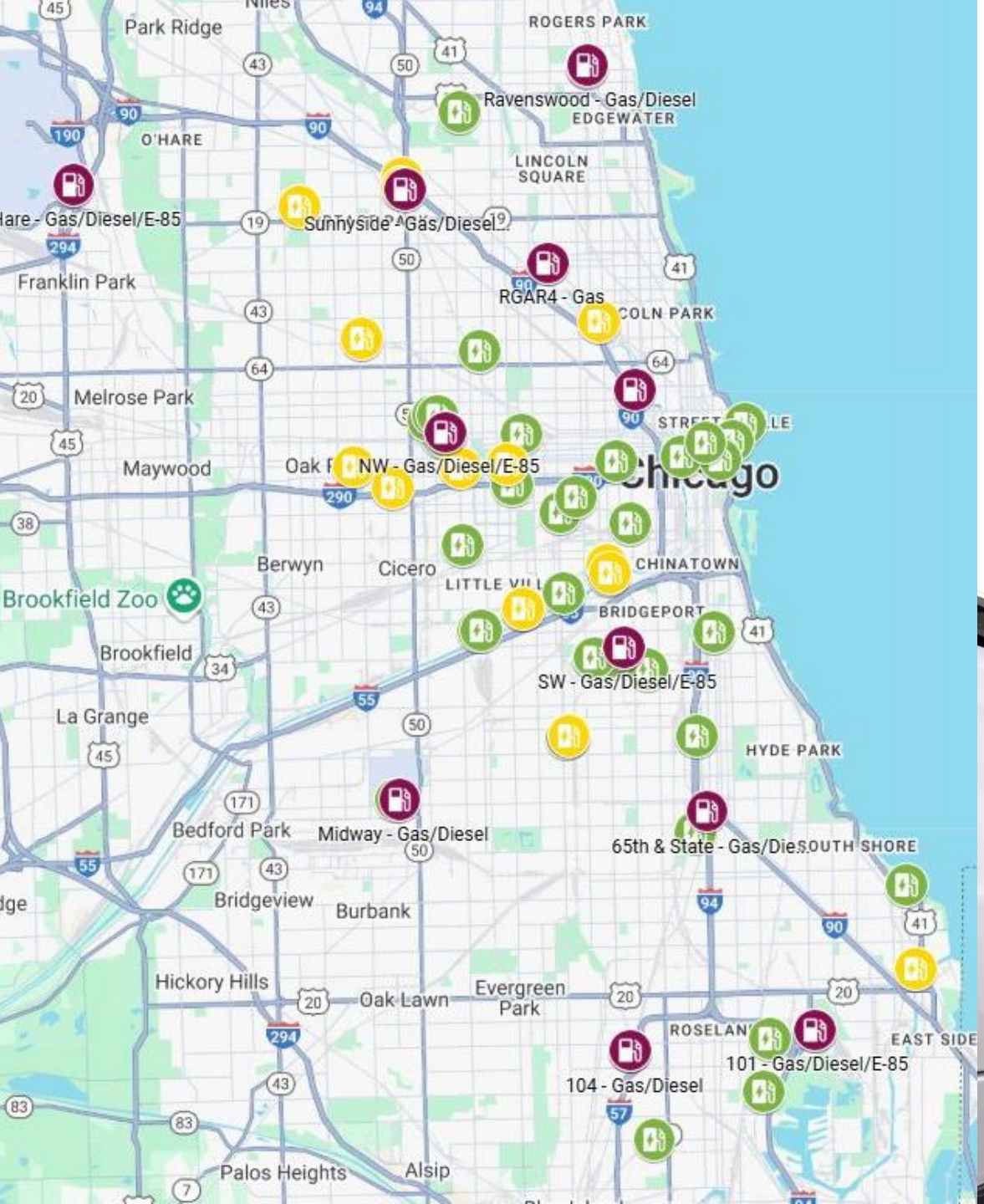
2022 CAP CHICAGO CLIMATE ACTION PLAN


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 ride-hail 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

Fleet Electrification Update

203 EVs | **28%** | **215 chargers**

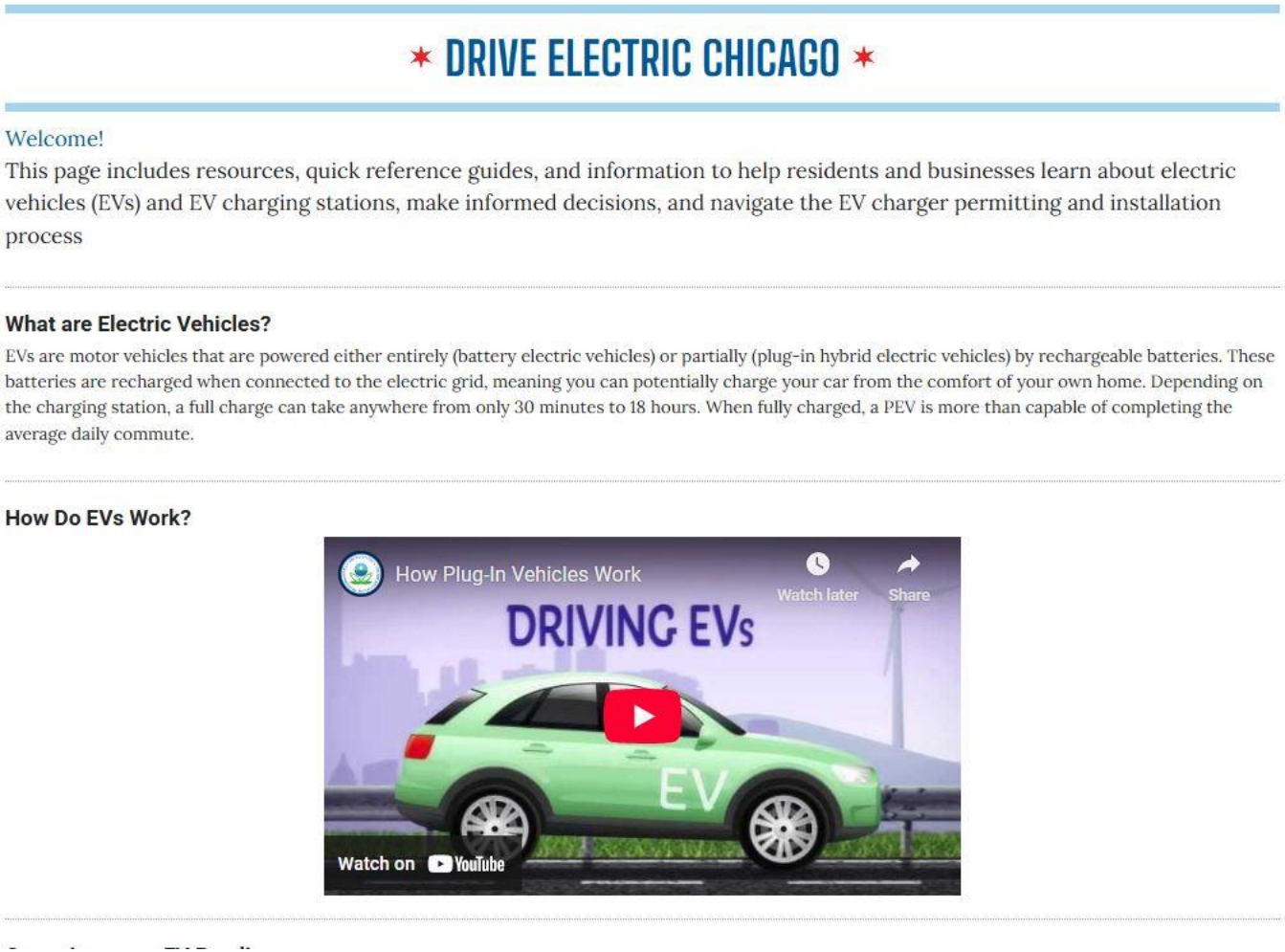


EV and E-Mobility Infrastructure Framework

Framework Scope

CHICAGO★MOVES★ELECTRIC

City's EV Resources Website



01.

EV Benefits

What are EVs 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

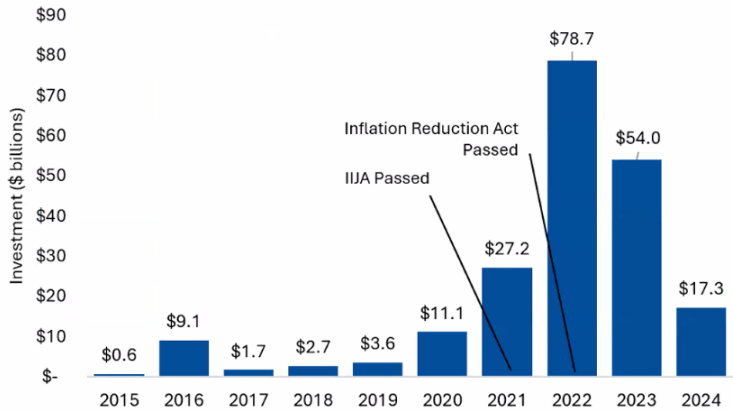
CDOT's Clean Transportation Grant Funds

	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	✓		EV Chargers	$1,109,900	-	TBD
Diesel Emissions Reduction Act Grant	USEPA	✓		E-Trucks and Chargers	$3,825,000	10	5-10
Drive Clean Chicago	IDOT CMAQ		✓	EV chargers and CNG station	$1,425,000	-	12
Drive Clean Truck	IDOT CMAQ		✓	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]

FEDERAL SUPPORT PROVIDES >$28 BILLION FOR EV SUPPLY CHAINS

Loans for EV and battery manufacturing

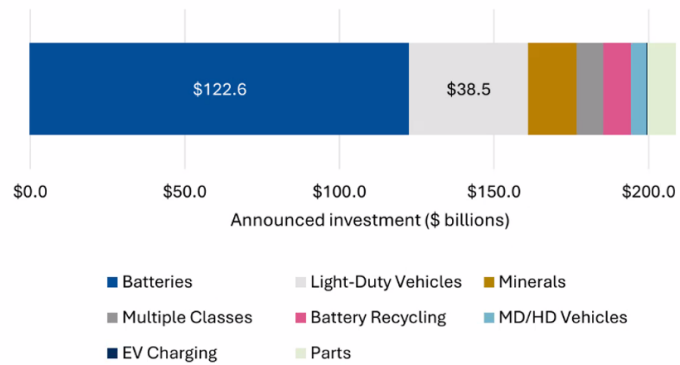
Grants for battery materials processing, manufacturing, and recycling and ICE to EV conversion

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



The data in this figure includes private investment in EV and battery manufacturing. Data through September 2024.

Source: EV Jobs Hub [2]

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

CDOT
Chicago Department of Transportation

Samantha Bingham
Clean Transportation Program Director
Samantha.Bingham@cityofchicago.org

DriveElectricChicago.org

Chicago Moves Electric – EV and E-Mobility Framework