



# CEEJAC - AIR AND TRANSPORTATION SUBCOMMITTEE

January 13, 2025

# CEEJAC MEETING GROUND RULES

During the discussion, all members should:

- **Listen respectfully, without interrupting.**
- **Listen actively and with an ear to understanding others' views.**
- **Only have one conversation at a time.**
- **Be mindful to give others the opportunity to speak.**
- **Focus on the task at hand rather than the position.**
- **Avoid off-topic conversations.**
- **Criticize ideas, not people.**
- **Commit to learning, not debating.**
- **Avoid blame, speculation and inflammatory language.**
- **Avoid assumptions about any member of the group.**

# Share Your Views: Survey on Electric Vehicles and Community Health

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## Introduction

- **The health effects of air pollution are closely linked to emissions from gasoline-powered vehicles, which significantly degrade air quality and lead to respiratory and cardiovascular problems.**
  - **Electric vehicles (EVs), being emissions-free, offer promising health benefits by potentially improving air quality and reducing pollution-related health issues.**
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## Introduction (cont.)

- **To address these issues, it is crucial to explore perceptions and attitudes towards EVs, as they represent a potential solution to reducing air pollution and mitigating traffic-related problems.**
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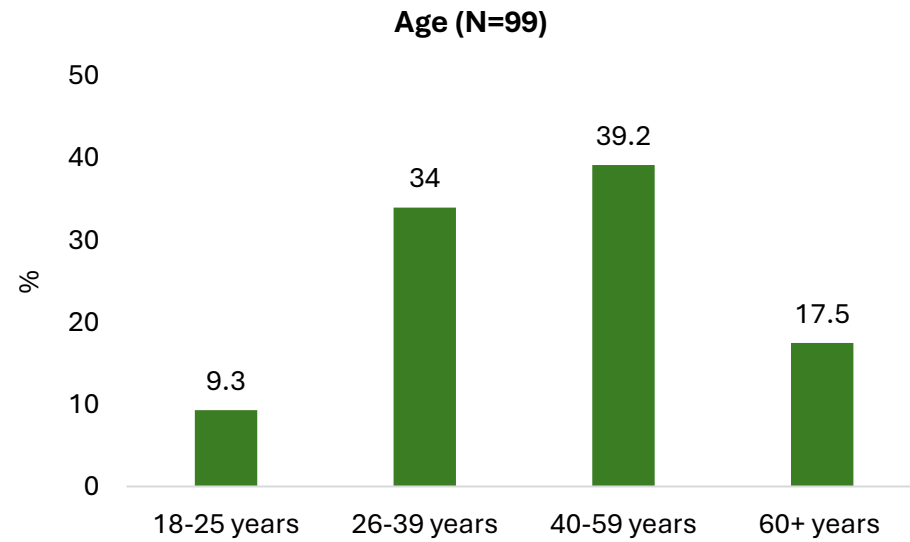
## Methods

- **A total of 99 surveys were conducted at the Hispanic Health Council, Junta for Progressive Action in New Haven, and Nonprofit Accountability Group (NAG).**
  - **Participants were recruited through in-person outreach, the existing client contact lists of the organizations, and social media platforms.**
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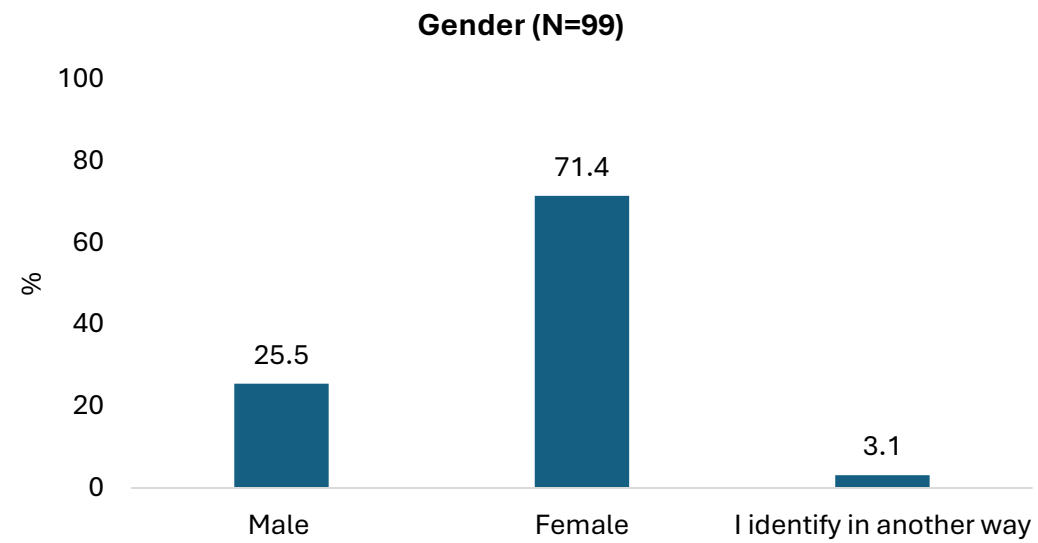
## Methods (cont.)

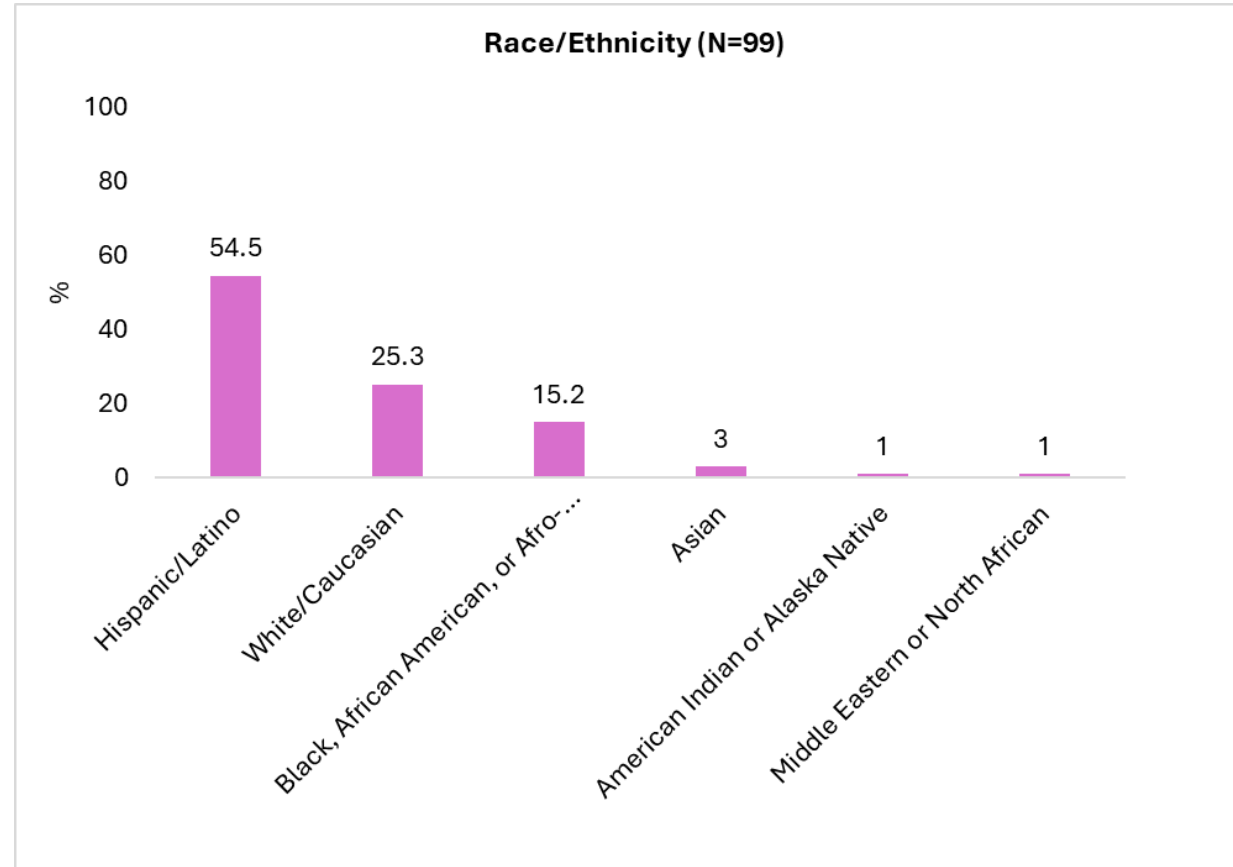
- **Recruitment was carried out by bilingual recruiters.**
  - **The eligibility criteria for participating in the survey are: 1) 18 years of age or older; 2) Proficiency in English or Spanish.**
  - **Completing the survey took approximately 10 to 15 minutes.**
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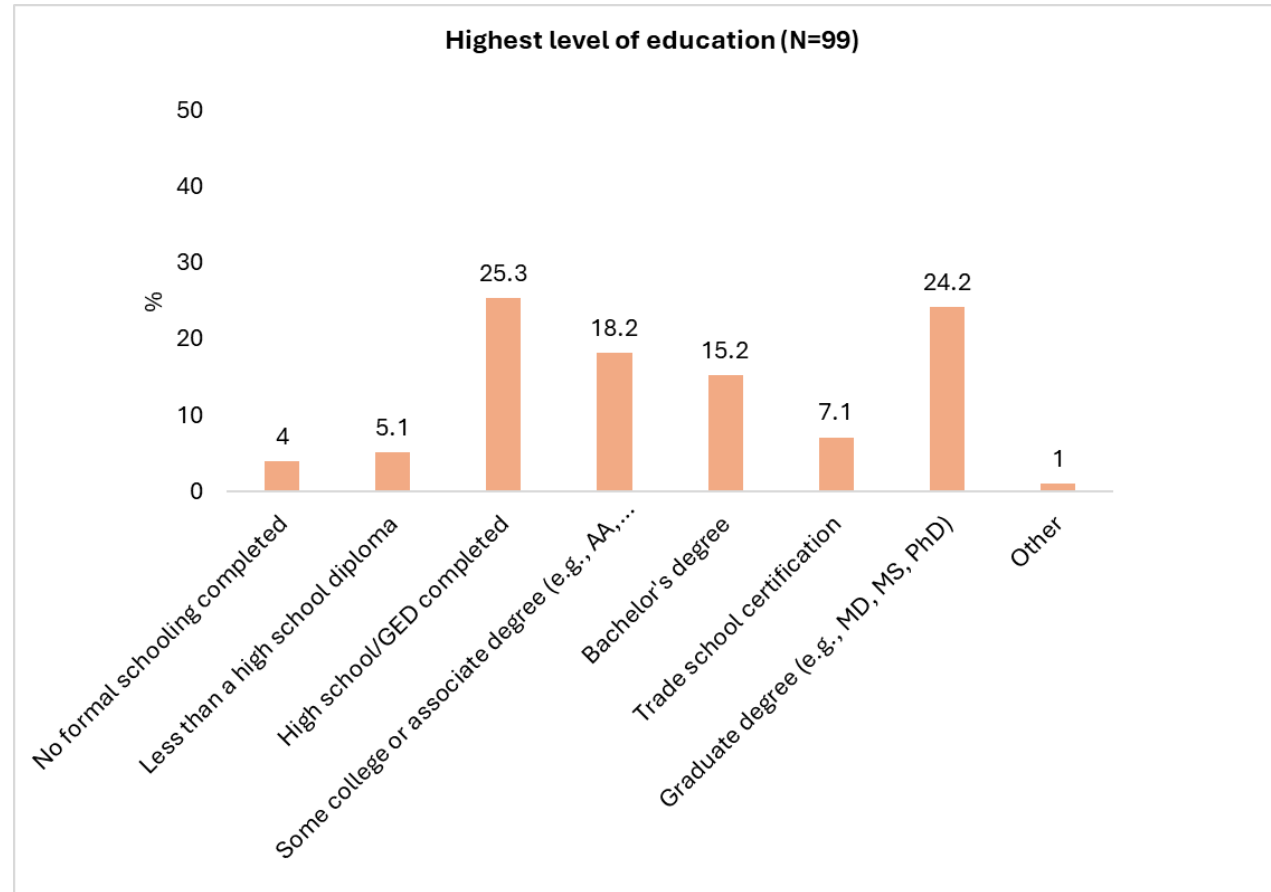
# Results

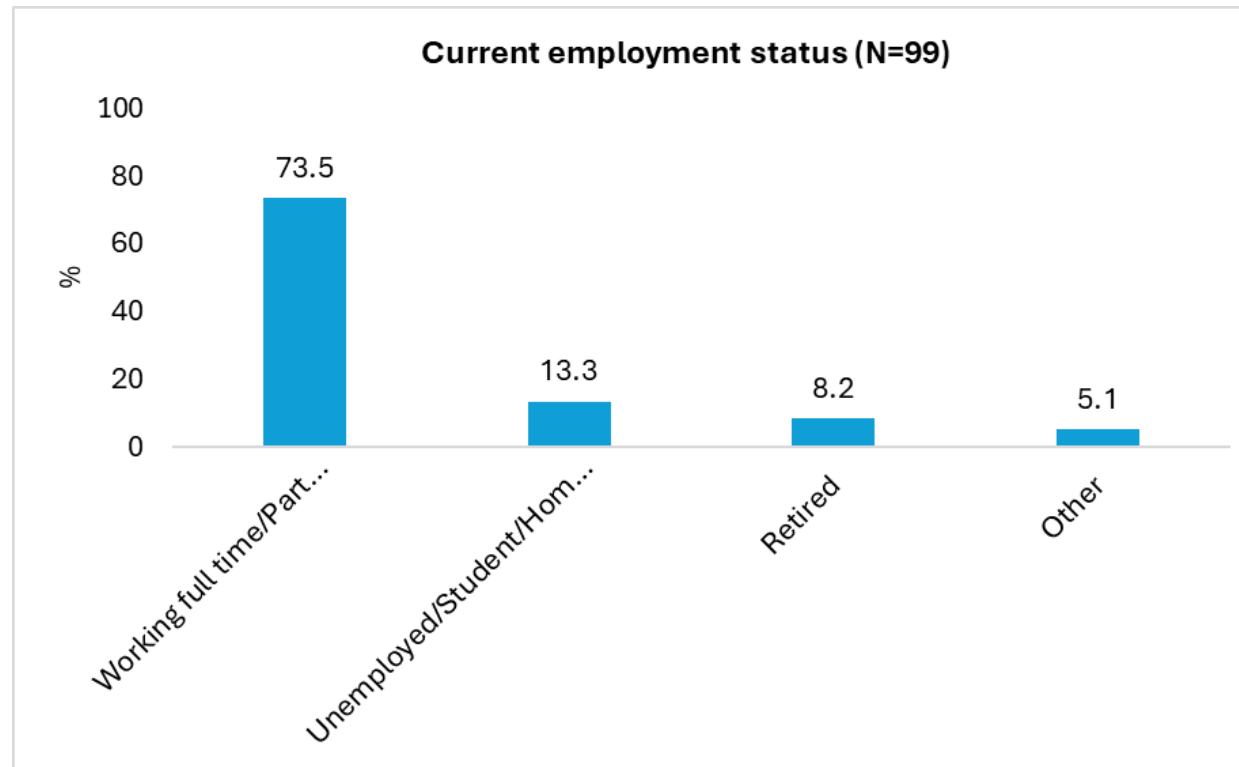




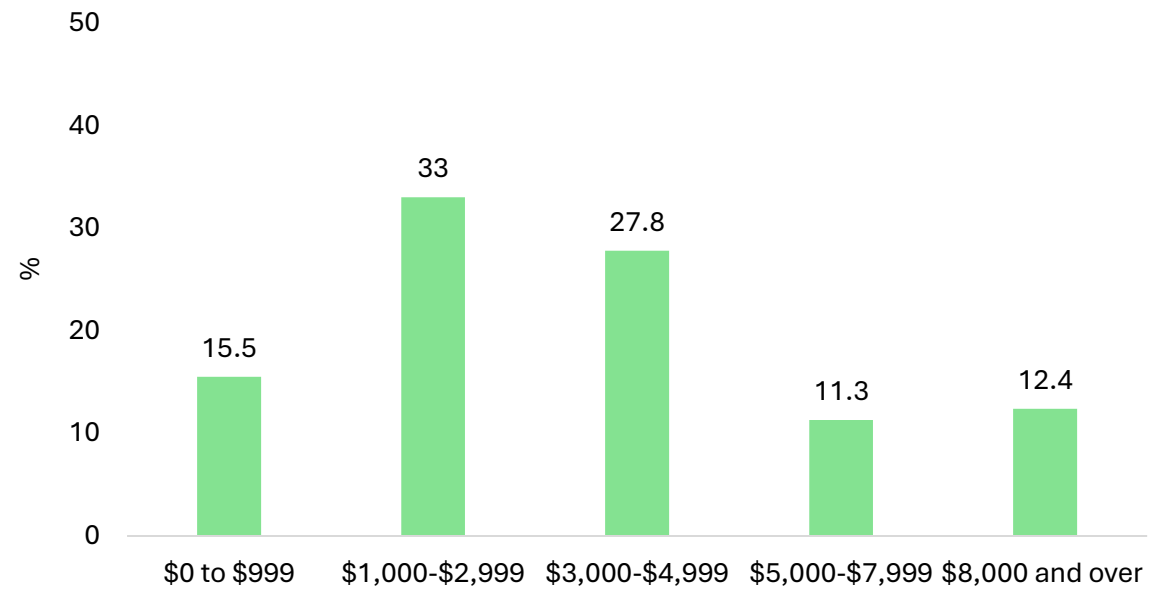




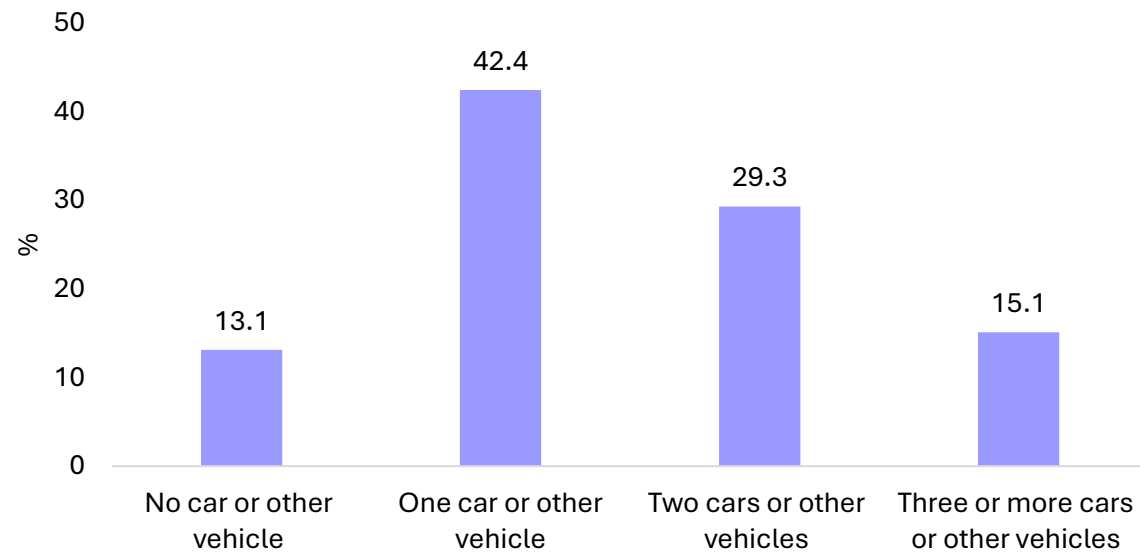




### Household income (per month)

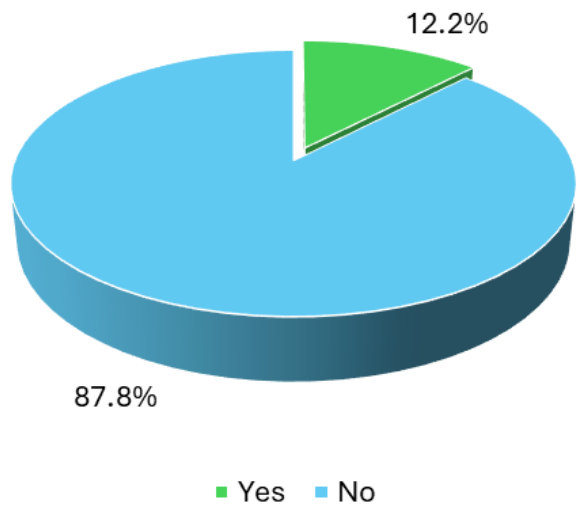


Cars or other vehicles in household (N=99)

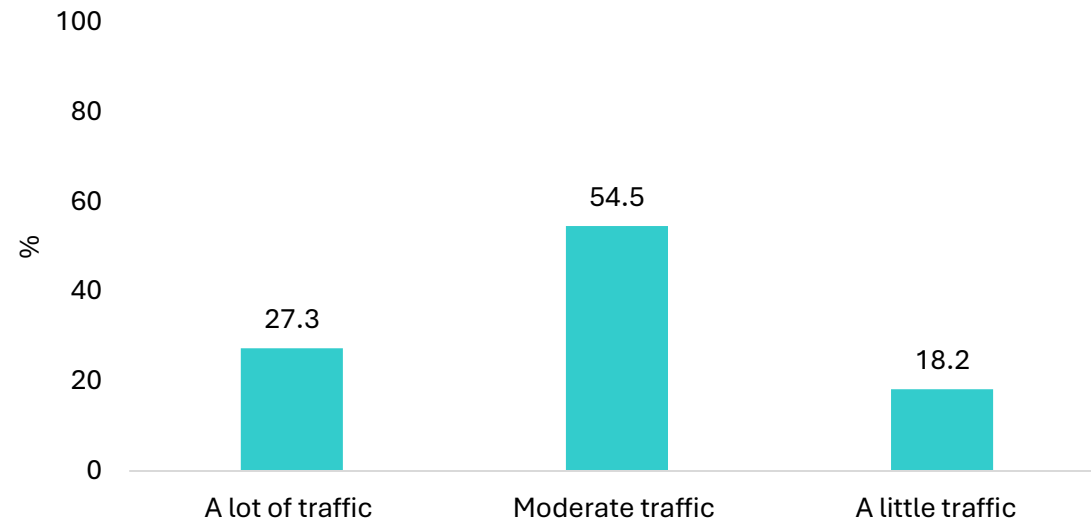


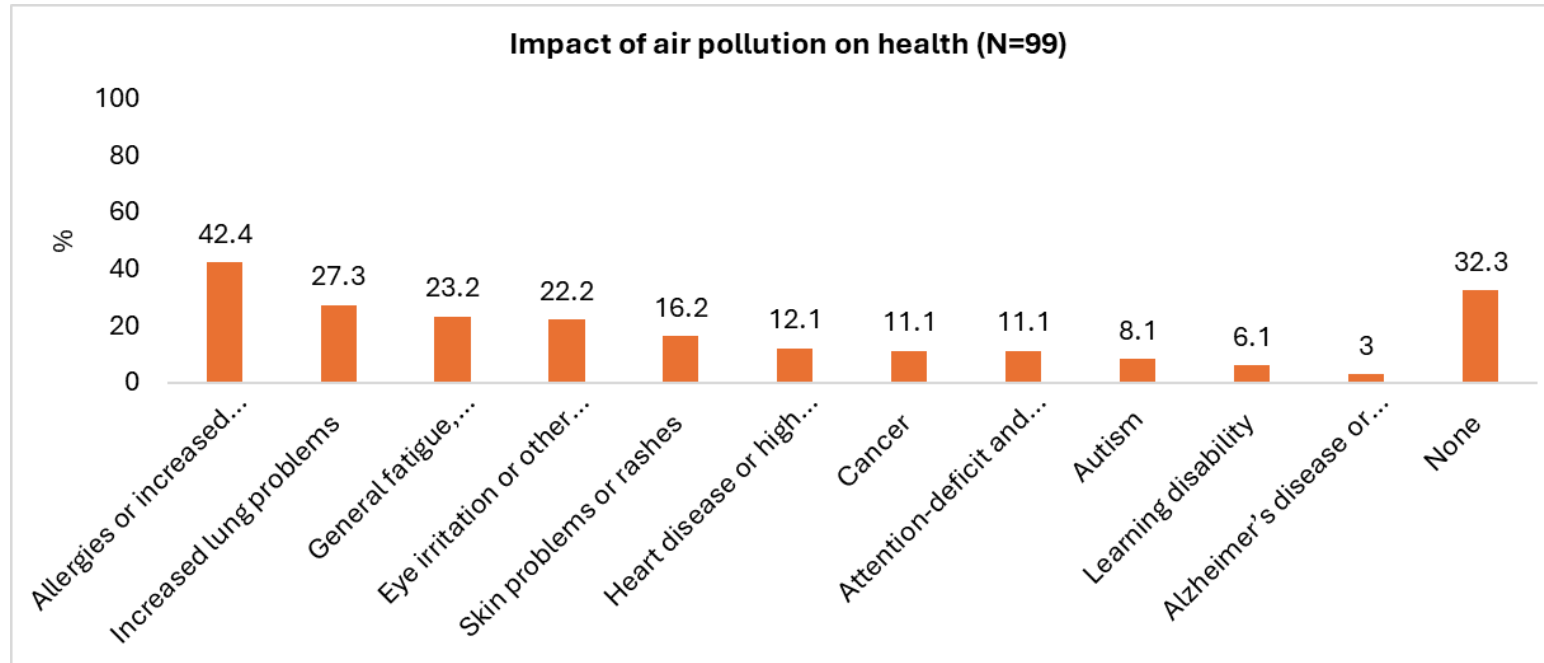


Household member drives an electric vehicle (N=99)

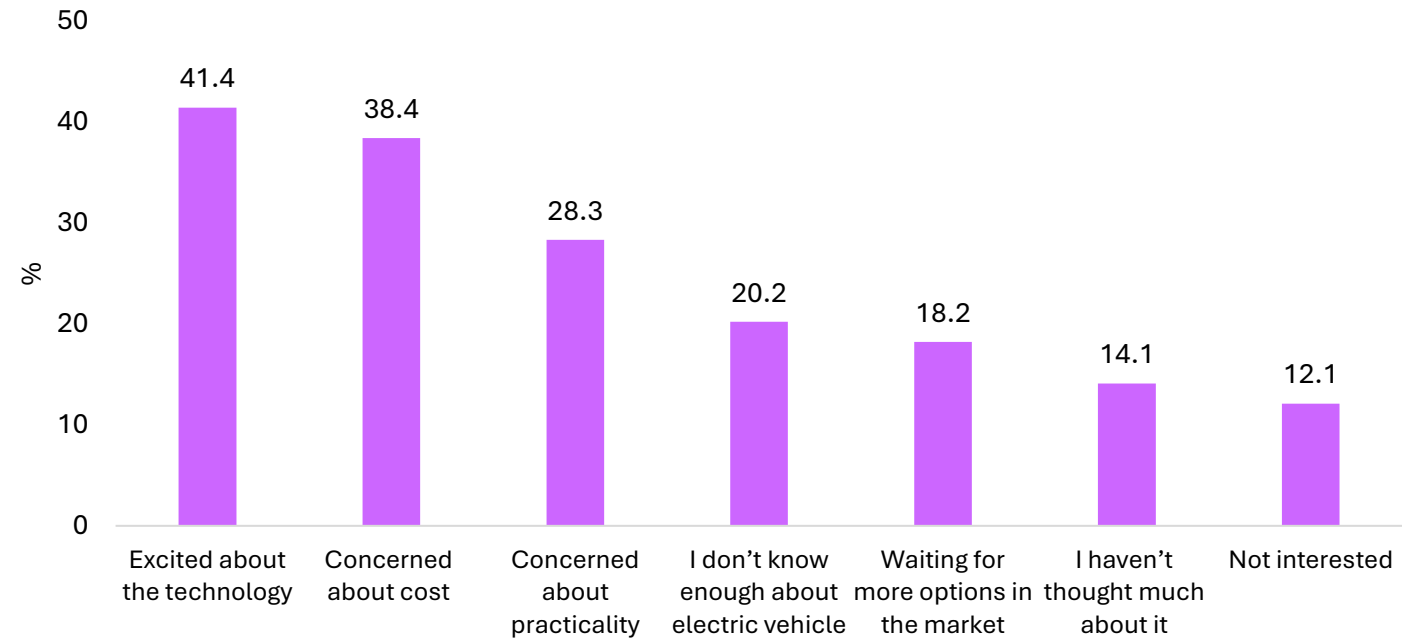


### Traffic in neighborhood (N=99)

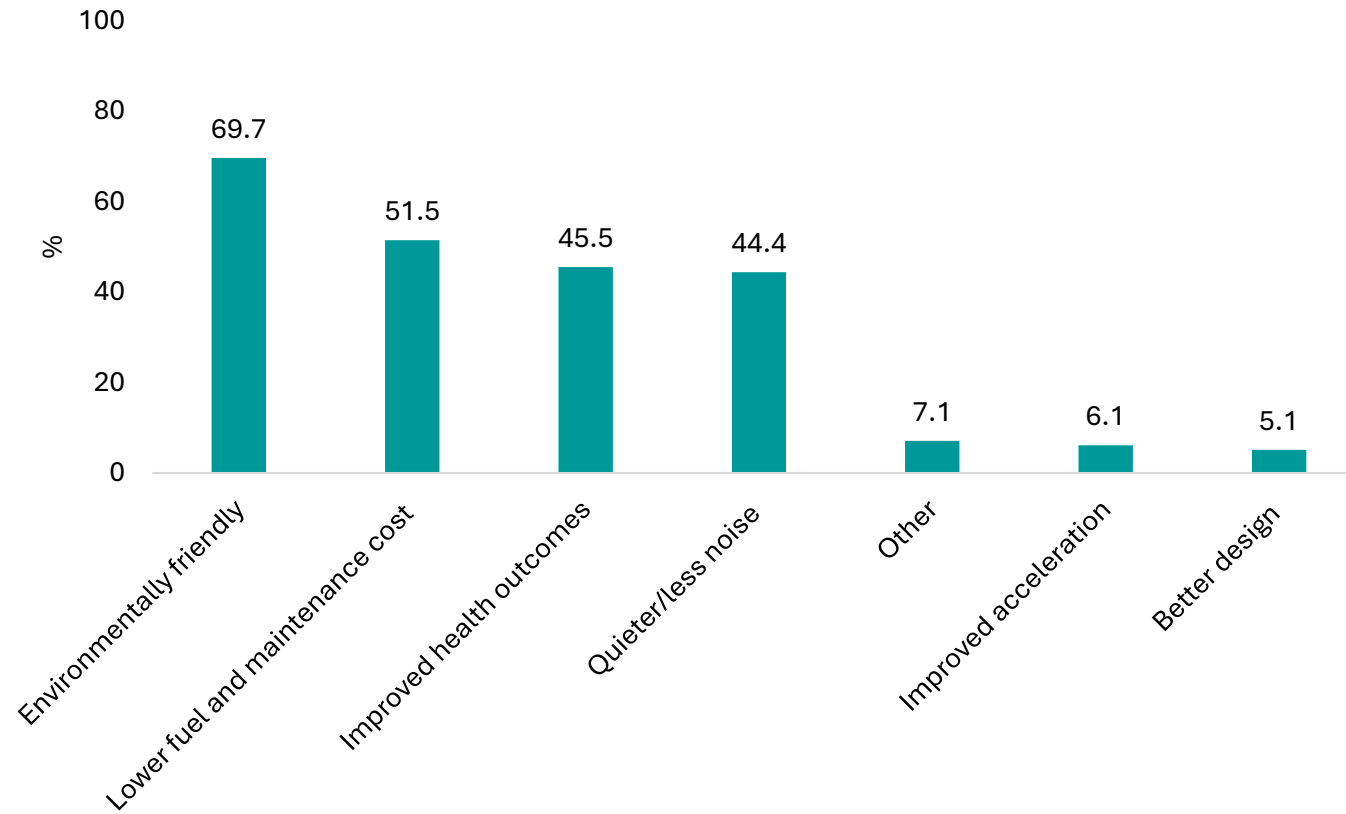




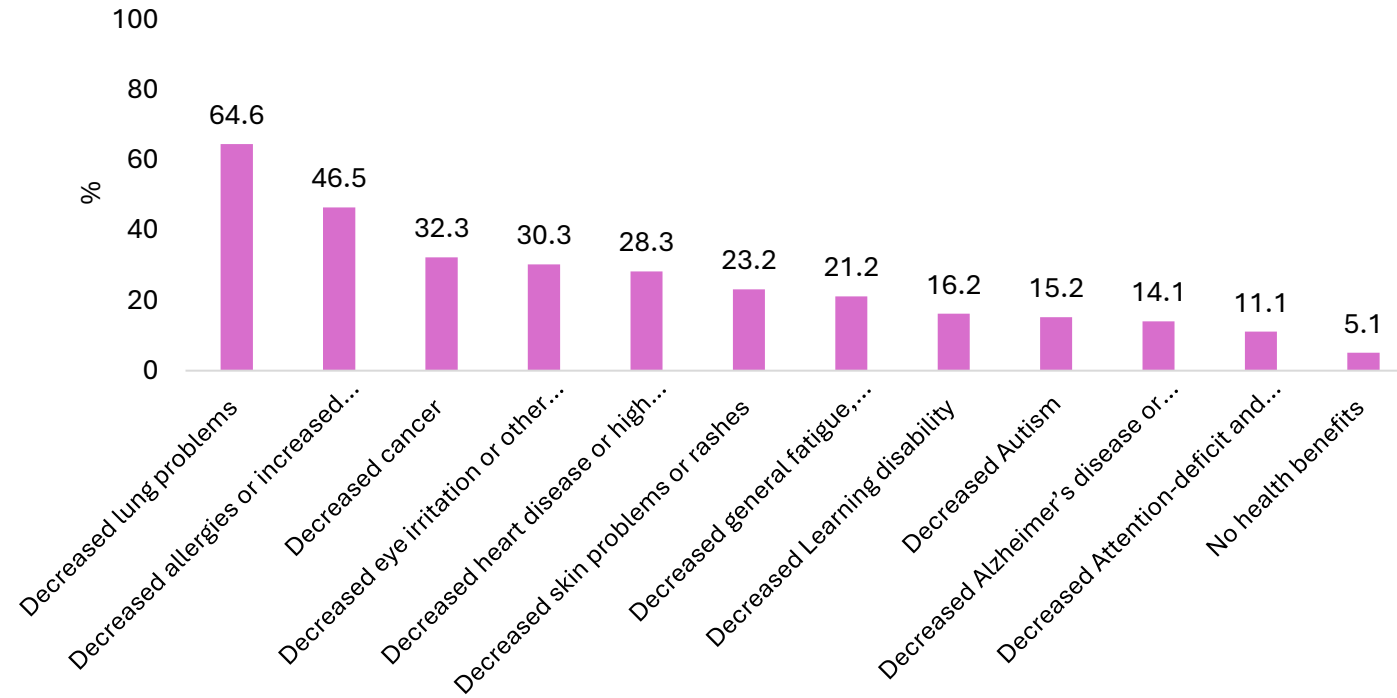
### Current opinion on electric vehicles, trucks, or buses (N=99)



### Benefits or advantages of electric vehicles (N=99)

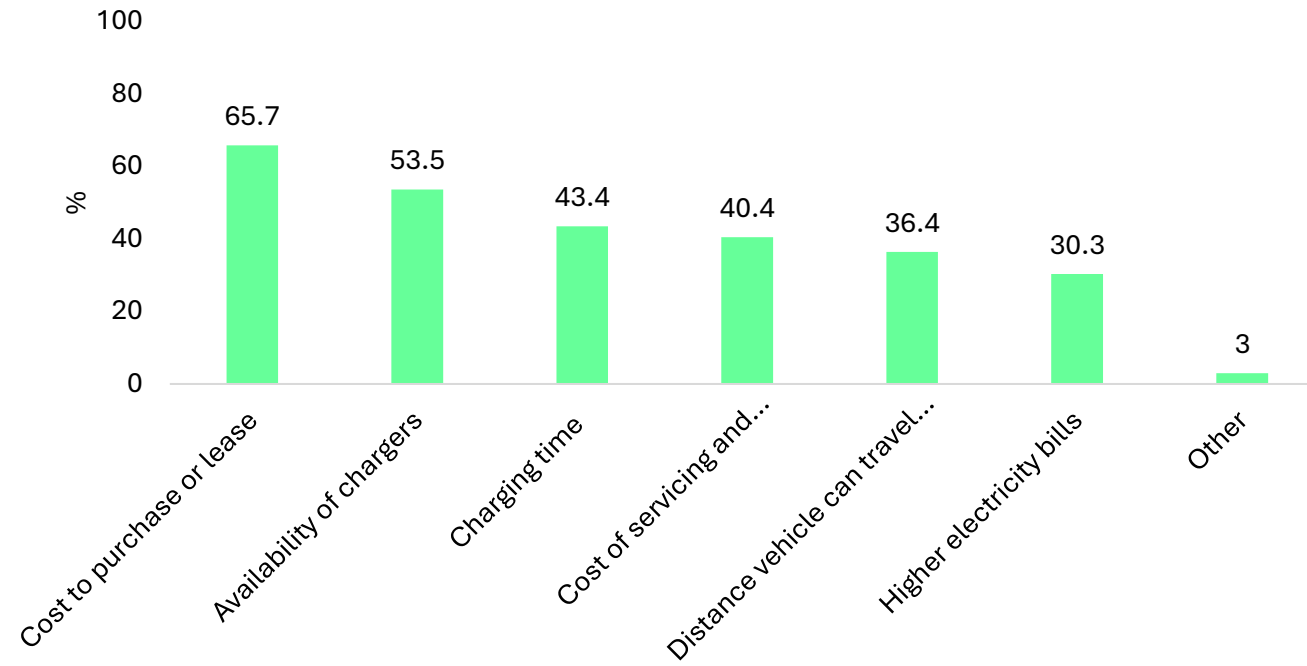


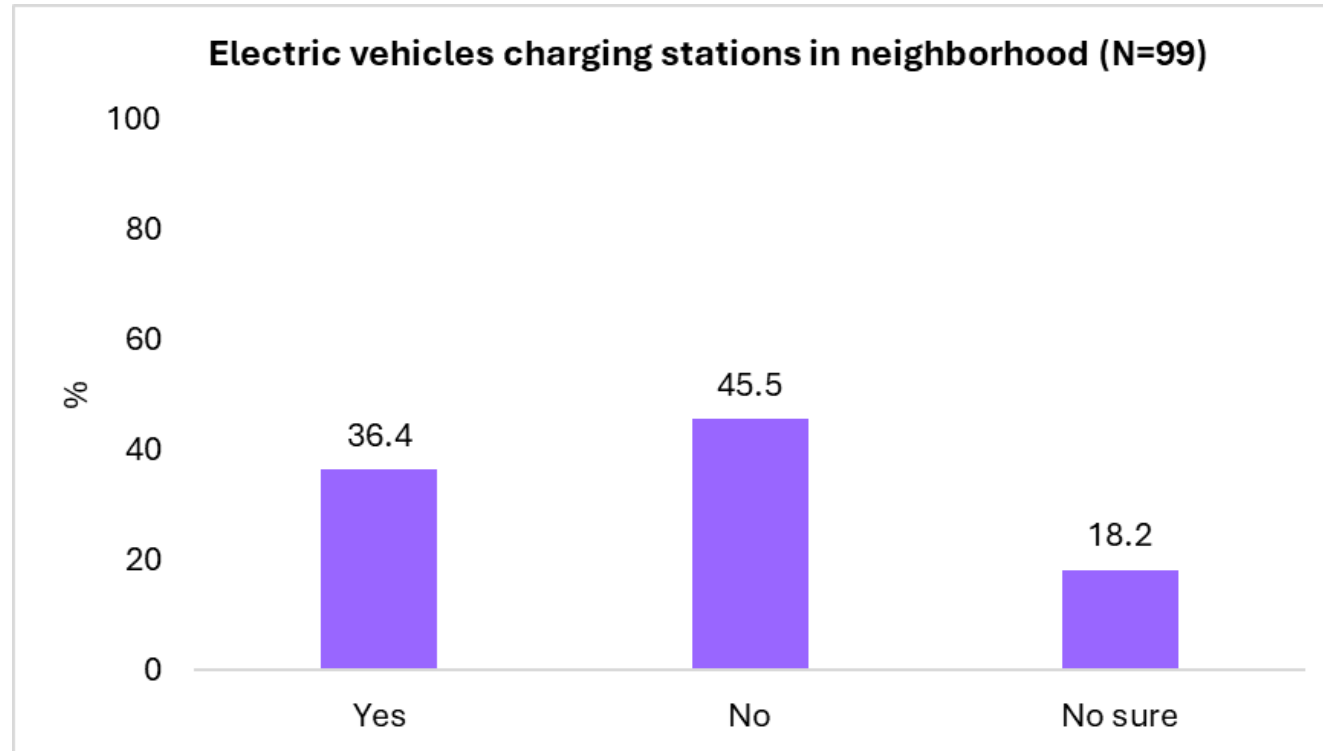
### Potential health benefits of widespread adoption of electric vehicles (N=99)



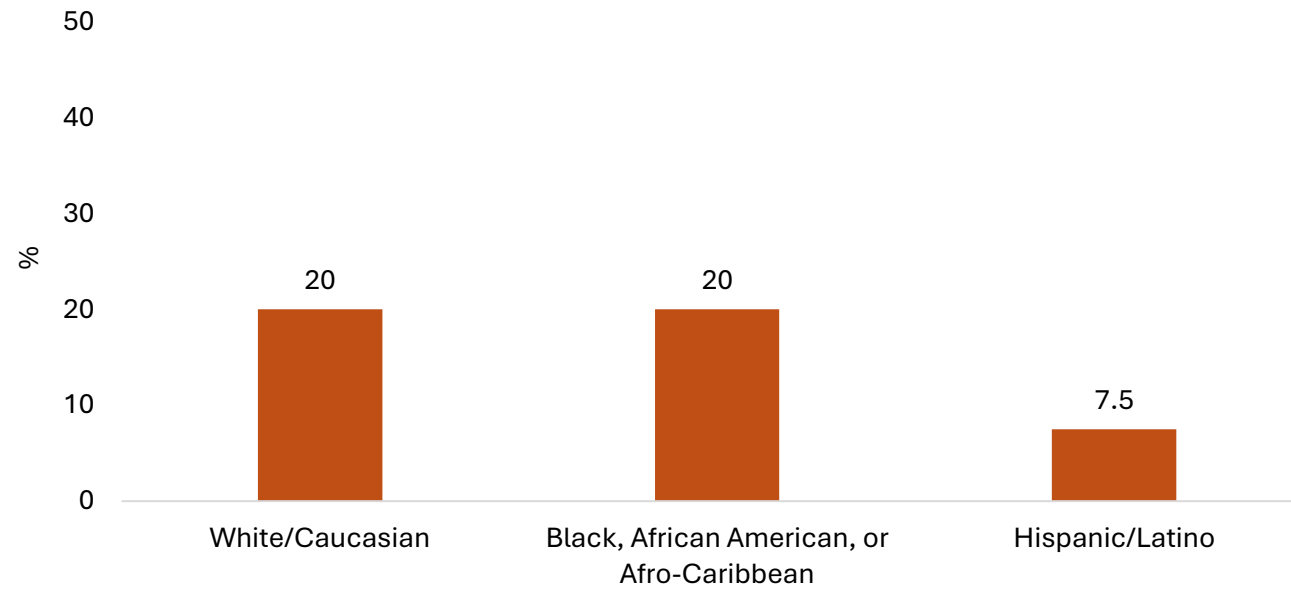


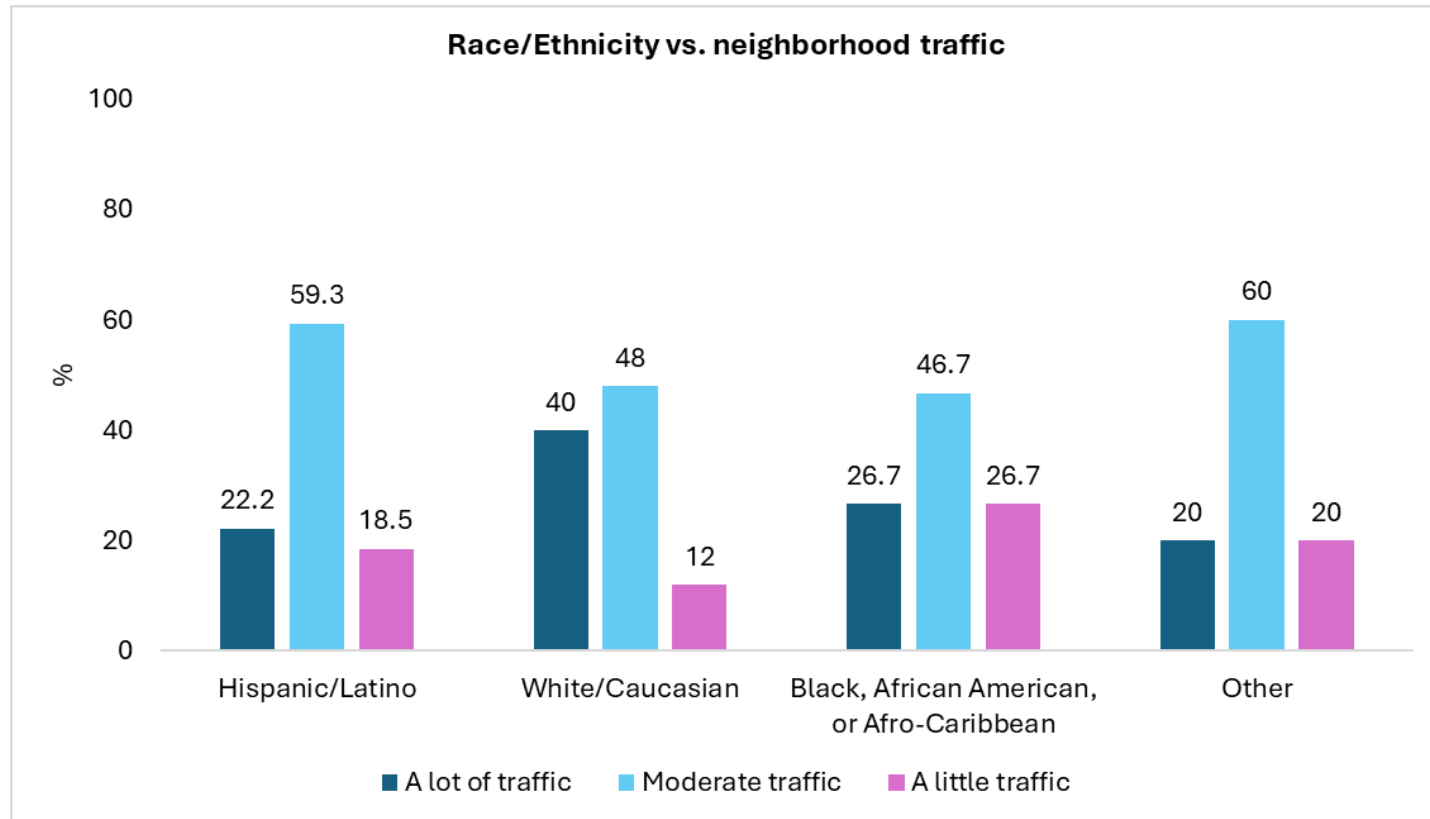
### Disadvantages of electric vehicles (N=99)

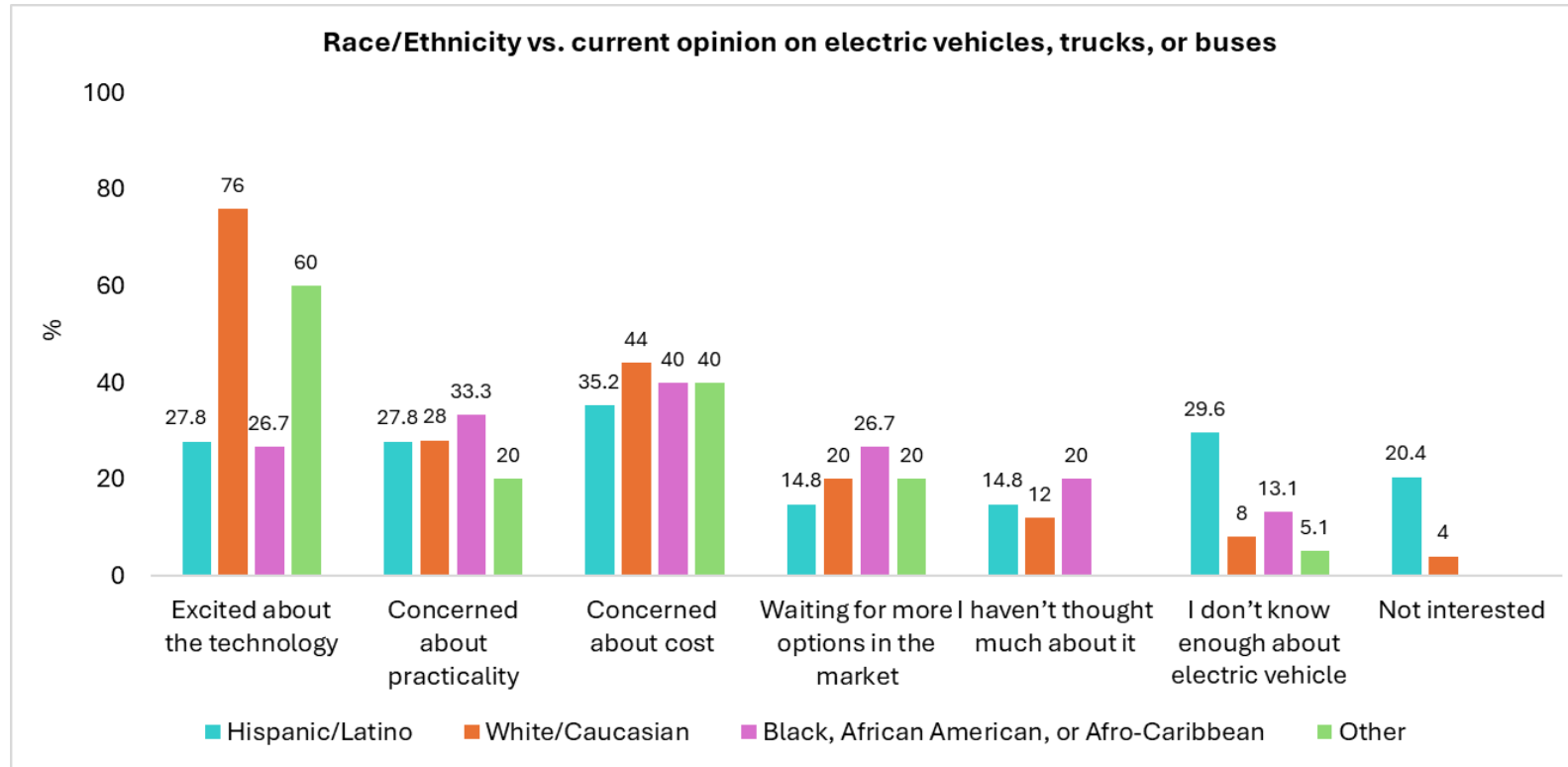


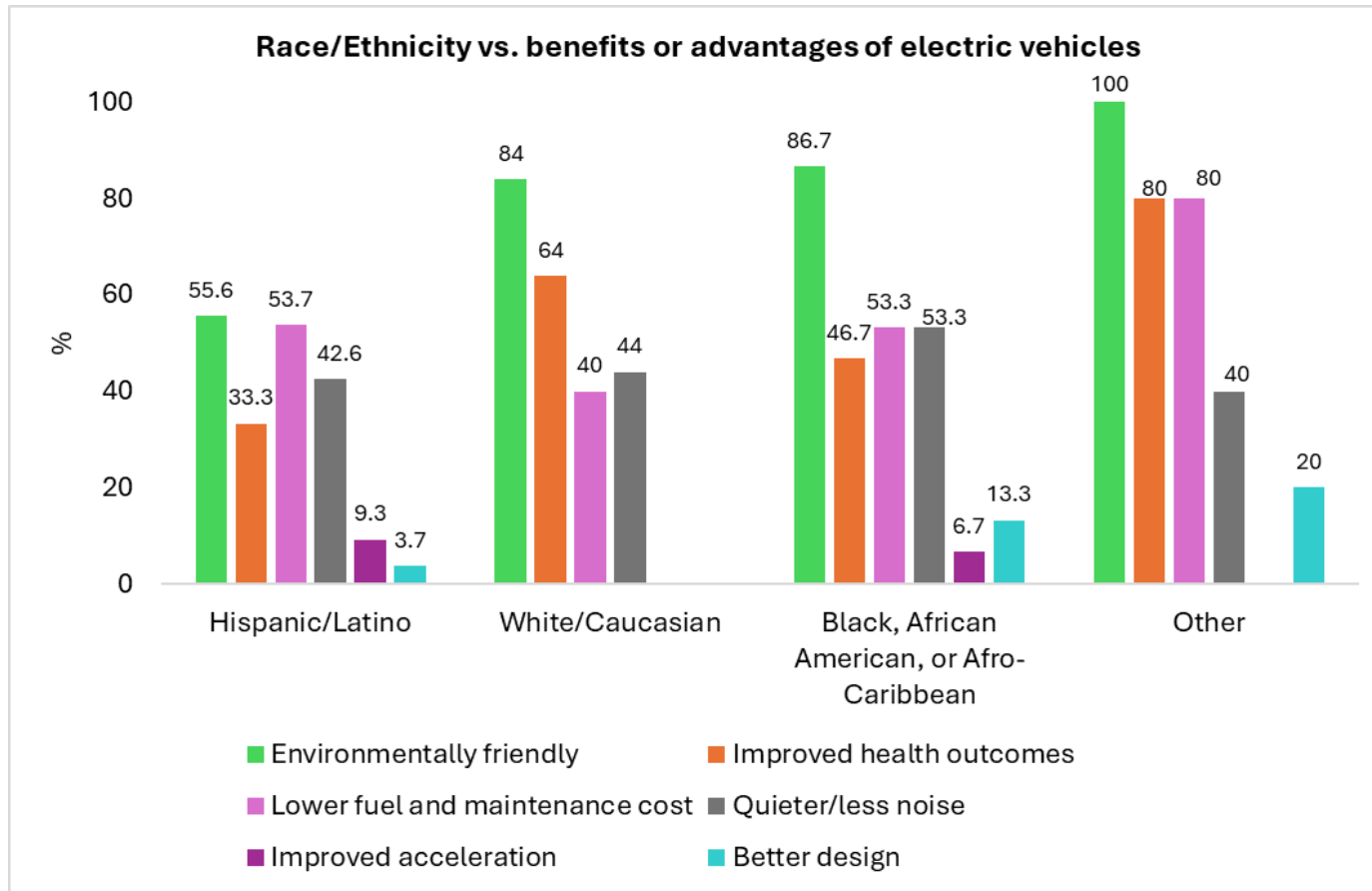


### Race/Ethnicity vs. household member drives an electric vehicle

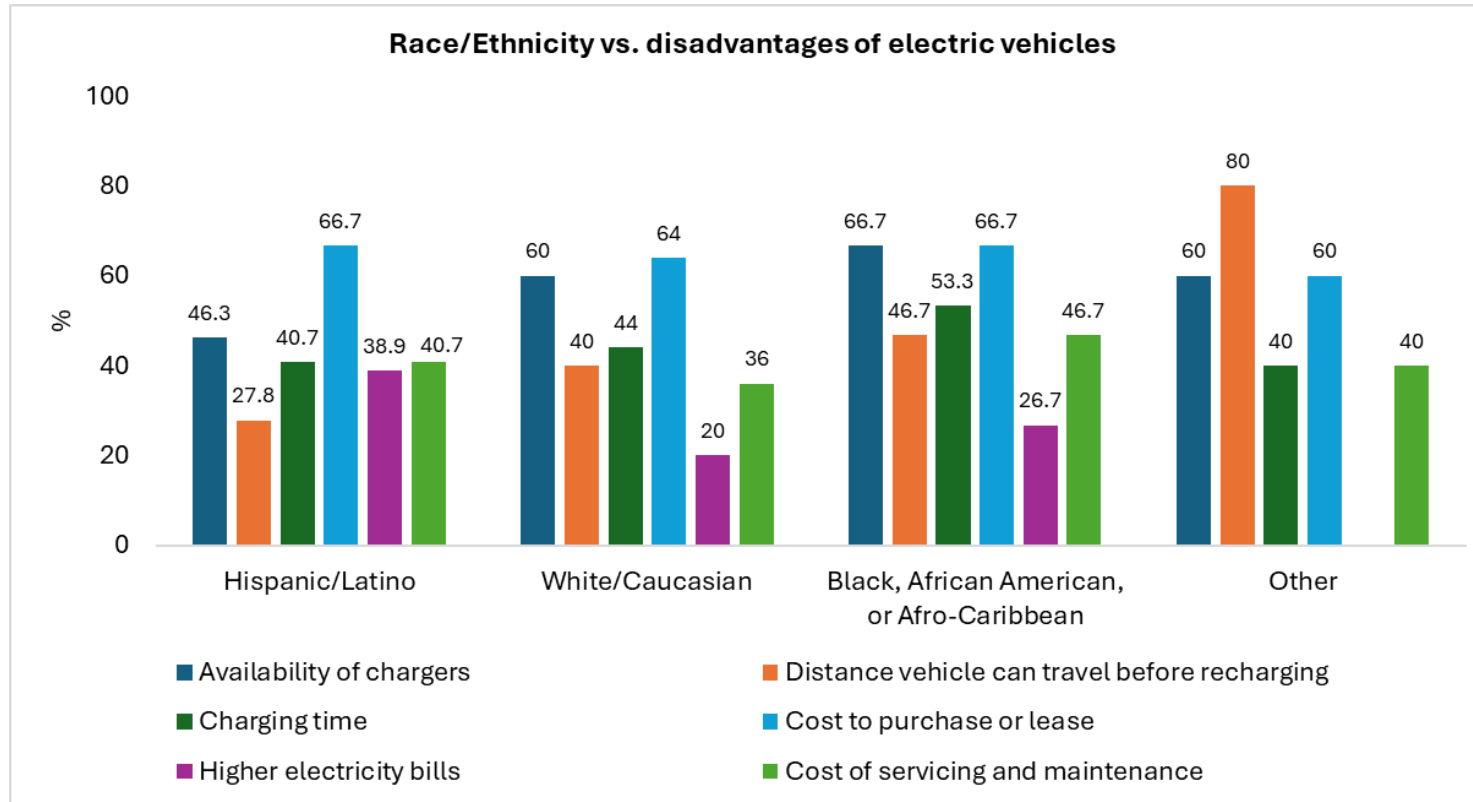


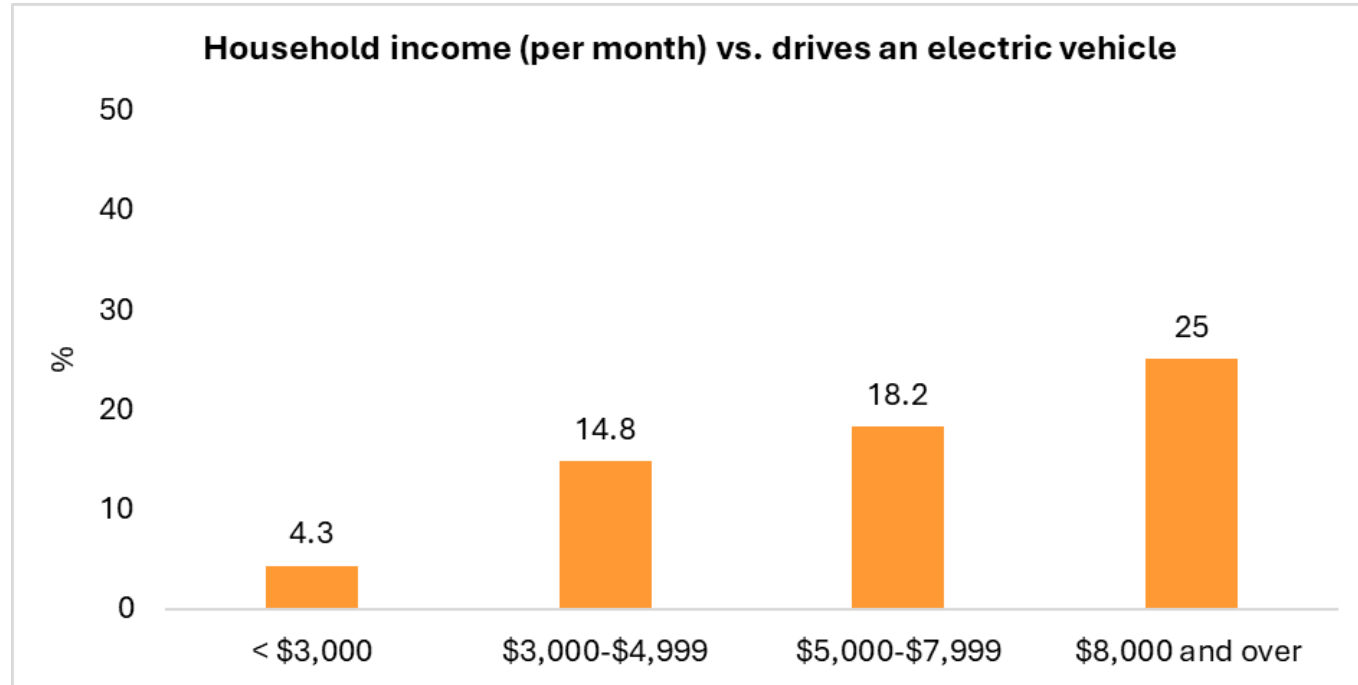


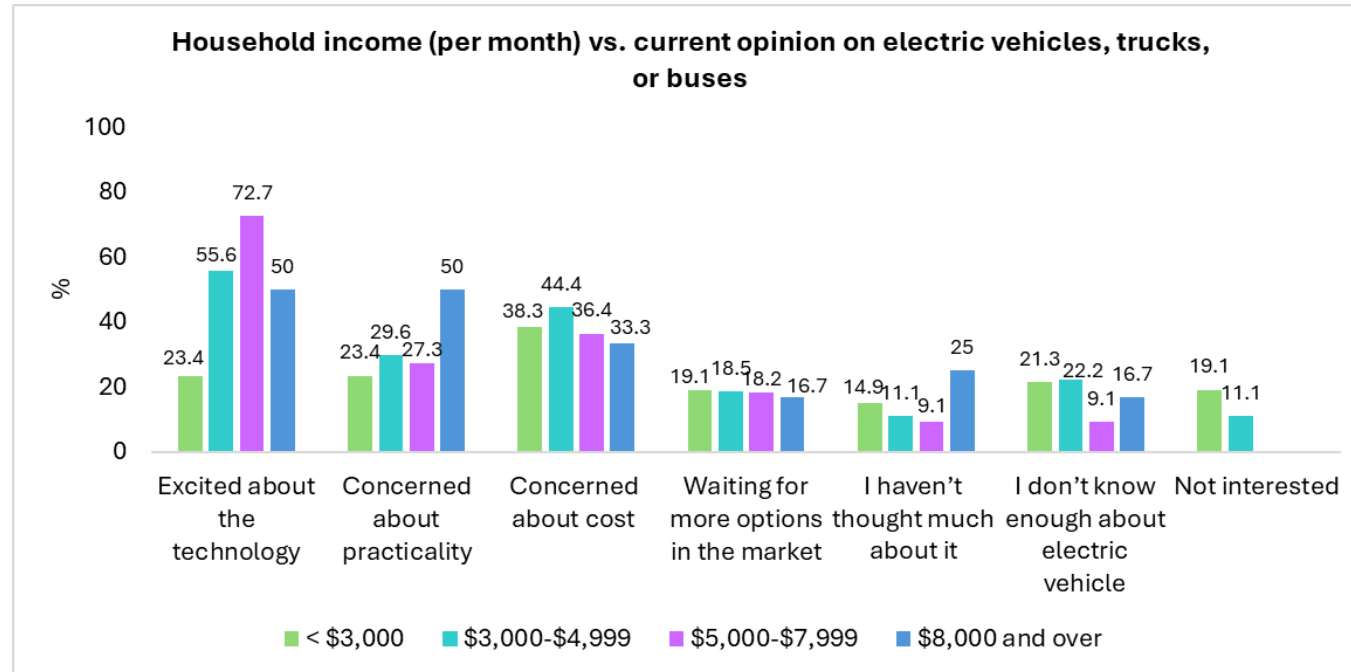


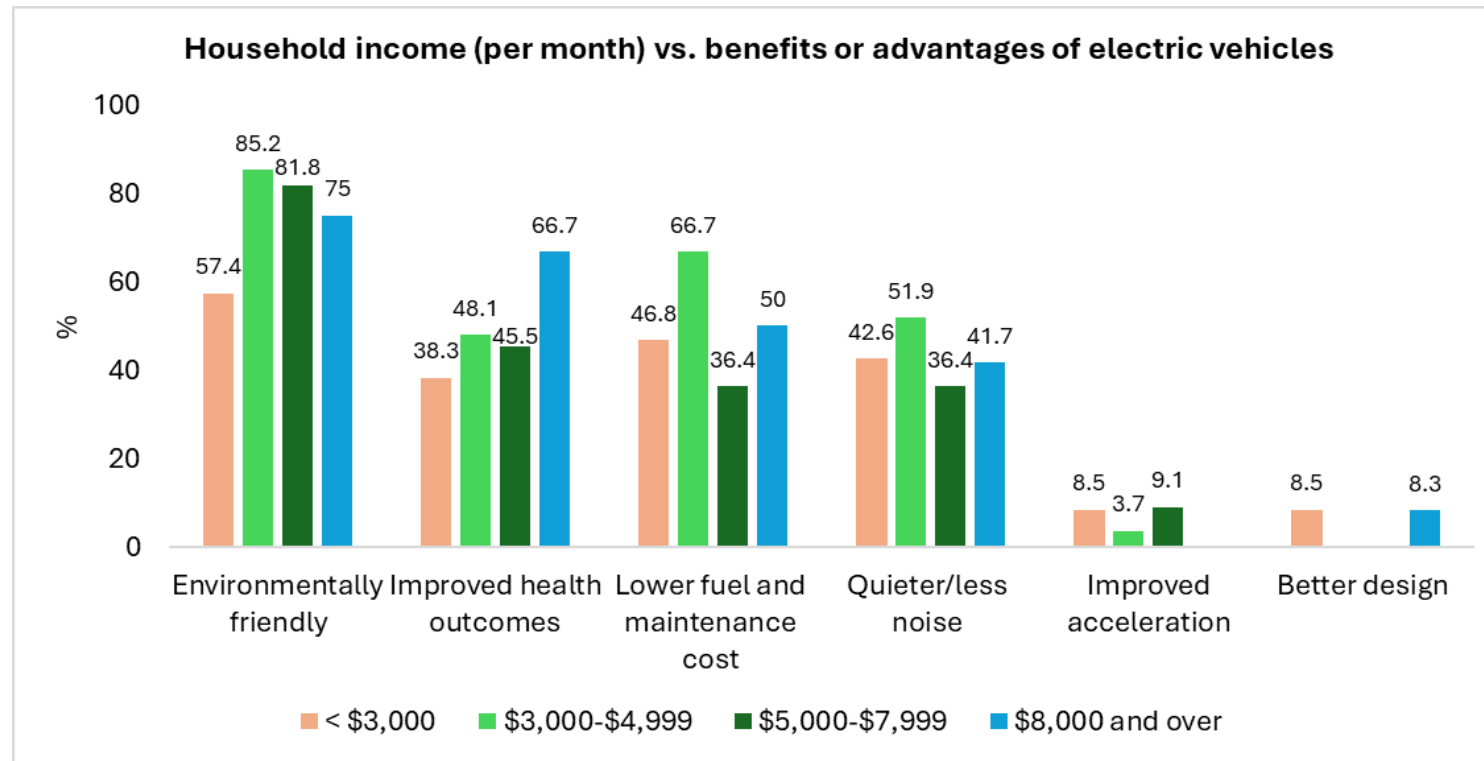


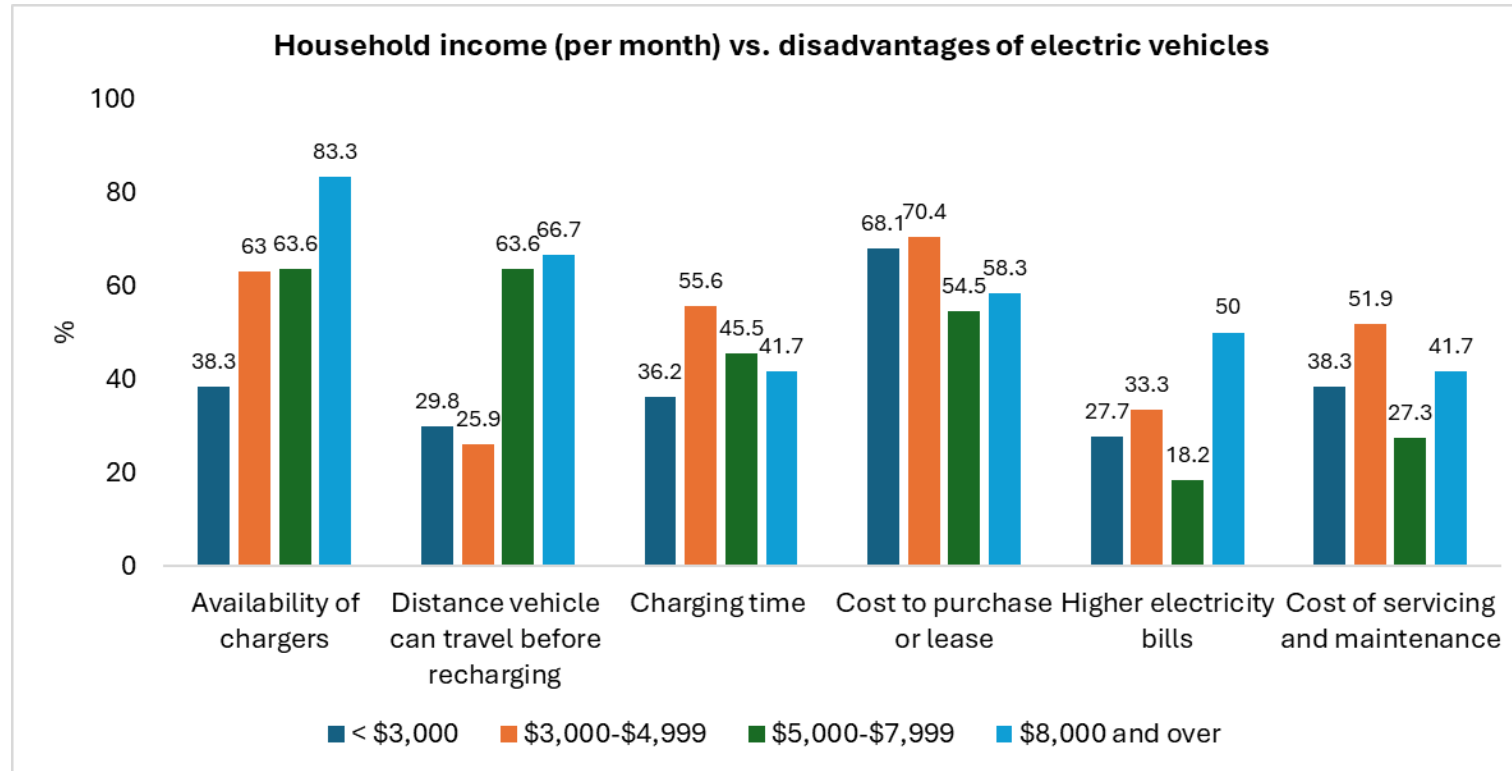














**Thank you**

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# CHEAPR UPDATE

**Paul Farrell**  
**Bureau of Air Management**

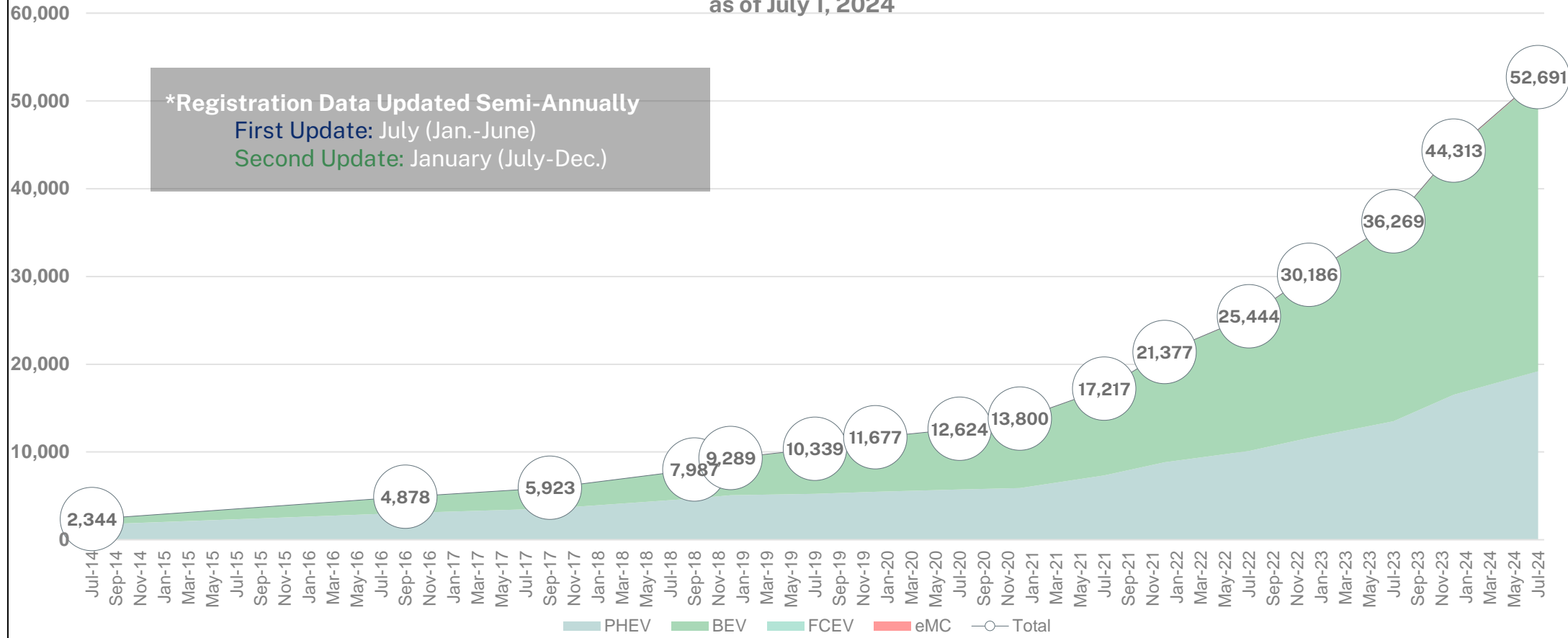
# CT EV REGISTRATIONS\*

## Total Active EV Registrations in Connecticut

as of July 1, 2024

**52,691**

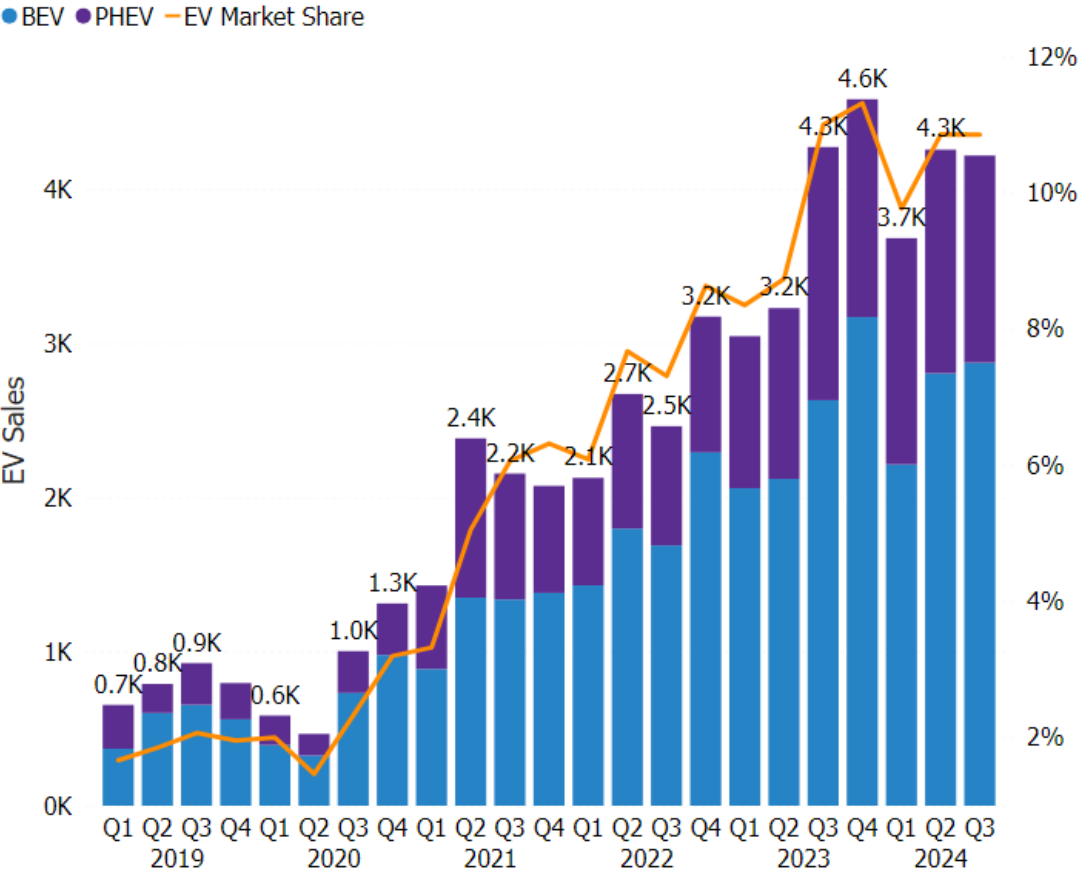
\*Registration Data Updated Semi-Annually  
 First Update: July (Jan.-June)  
 Second Update: January (July-Dec.)





# EV DATA - CONNECTICUT

EV Sales and EV Market Share by Year, Quarter and Technology



CT EV Vehicle Summary for 2024 Q3 – Top 5

Image	Vehicle Name	Technology	Vehicle Subtype	Estimated Price	Fuel Economy (MPGe)	Registrations
	TESLA MODEL Y	BEV	SUV/MPV	\$54,657	116.0	779
	TESLA MODEL 3	BEV	Car	\$48,073	130.0	477
	JEEP WRANGLER	PHEV	SUV/MPV	\$50,112	28.0	243
	HONDA PROLOGUE	BEV	SUV/MPV	\$53,333	95.3	134
	KIA SPORTAGE PLUG-IN HYBRID	PHEV	SUV/MPV	\$23,057	55.0	127

Source: Atlas Public Policy EV Hub Market Dashboard

# CHEAPR 2024 STATS THROUGH NOVEMBER 30<sup>TH</sup>

**Program Summary**
Rebates by ZIP
Rebates by City
Rebates by Dealership

**Filter By:**

City: (All) ▾

ZIP Code: (All) ▾

Make & Model: (All) ▾

Application Submitted Date

1/1/2024 — 11/30/2024

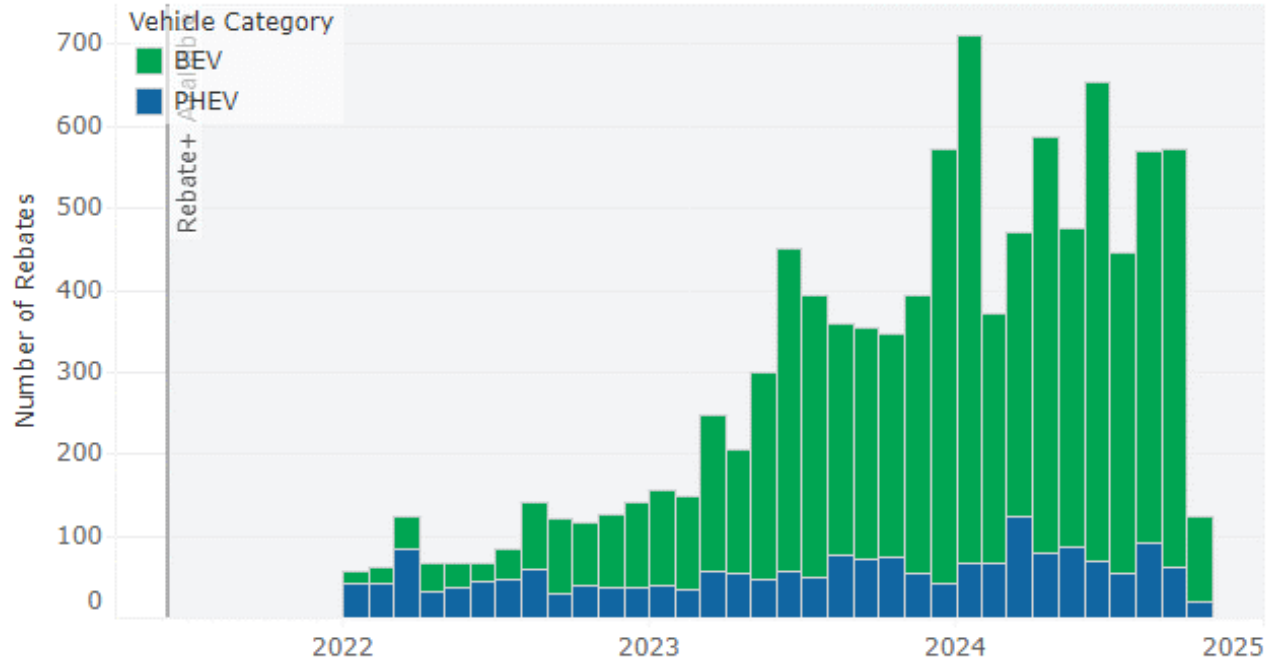
◁ ▷

Program Summary							
Select a vehicle category to filter visuals	Total Amount		Rebates		Percent		
	New	Used	New	Used	New	Used	
<b>PHEV</b>	\$642,250	\$5,625	778	5	14.8%	6.4%	<b>New EVs</b> 5,266
<b>BEV</b>	\$10,825,750	\$219,000	4,488	73	85.2%	93.6%	<b>Used EVs</b> 78
<b>Total</b>	\$11,468,000	\$224,625	5,266	78	100.0%	100.0%	<b>Standard Rebate</b> 4,863
							<b>Rebate+ New</b> 403
							<b>Rebate+ Used</b> 78

# CHEAPR STATS REBATE HIGHLIGHT: UPTAKE

Available on CHEAPR Stats Page

### Rebates over Time: 2022 - 2024



Data last updated: 11/5/2024 (most recent months partial)

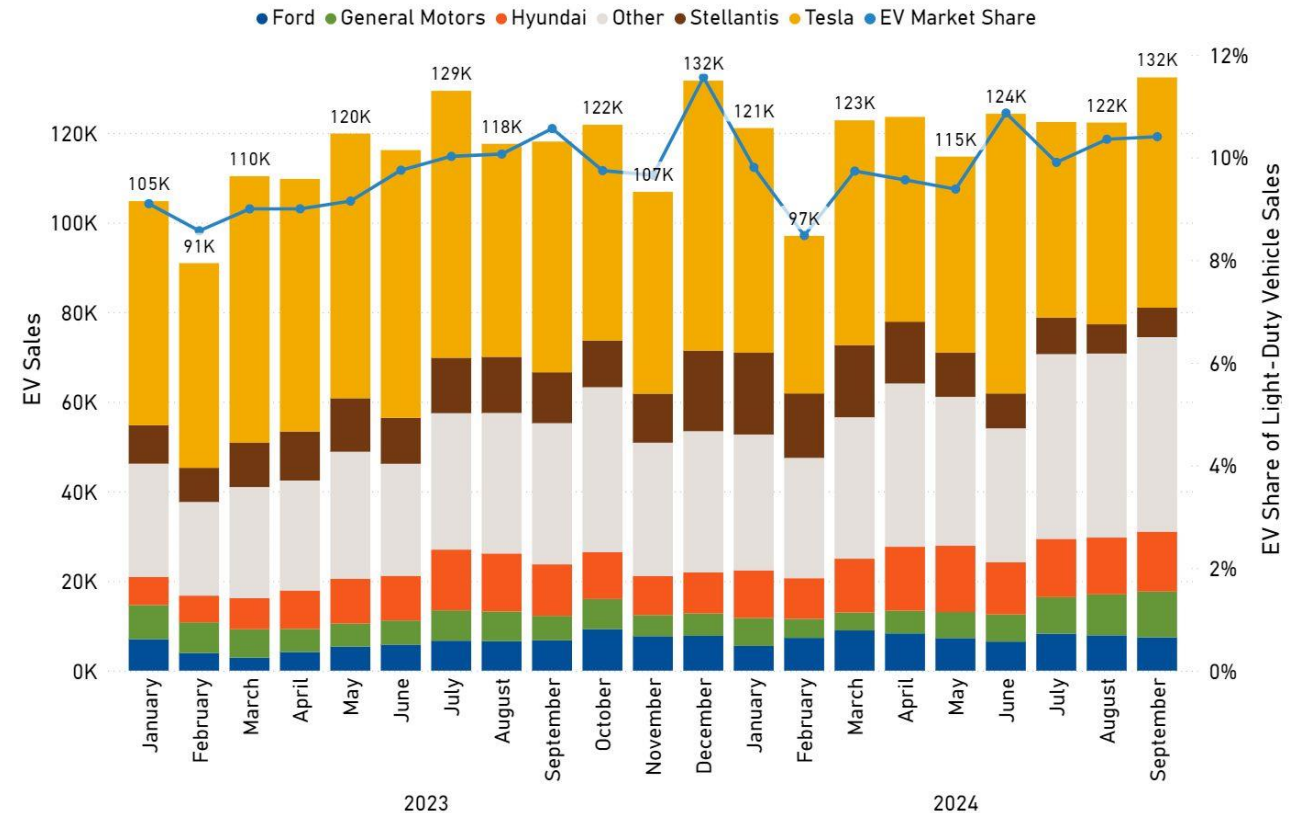
- BEVs account for 85.5% of rebates for 2024 as of the end of October
- Rebate+ accounts for 9% of all rebates in 2024
  - Used EVs are only 16.5% of Rebate+ redemptions and 1.5% of all total rebates this year

# EV NEWS HIGHLIGHT – NATIONAL SALES DATA

- Light-duty EV market share reached 10.4% in September 2024
- Nearly 132k new light-duty EV sales, up 12% from September 2023 (118,085 sales)
- General Motors reported strongest month with 10k sales, up 87% from September 2023 sales (5,469)
- Tesla sales climbed to 51k (39% market share) in September, following a dip in July and August
- BEVs account for 80% of all light-duty EV sales in September, a new record for BEV share
- More than a million light-duty EVs purchased so far this year through the end of September 2024

## EV Market Share Climbs to 10.4% in September 2024

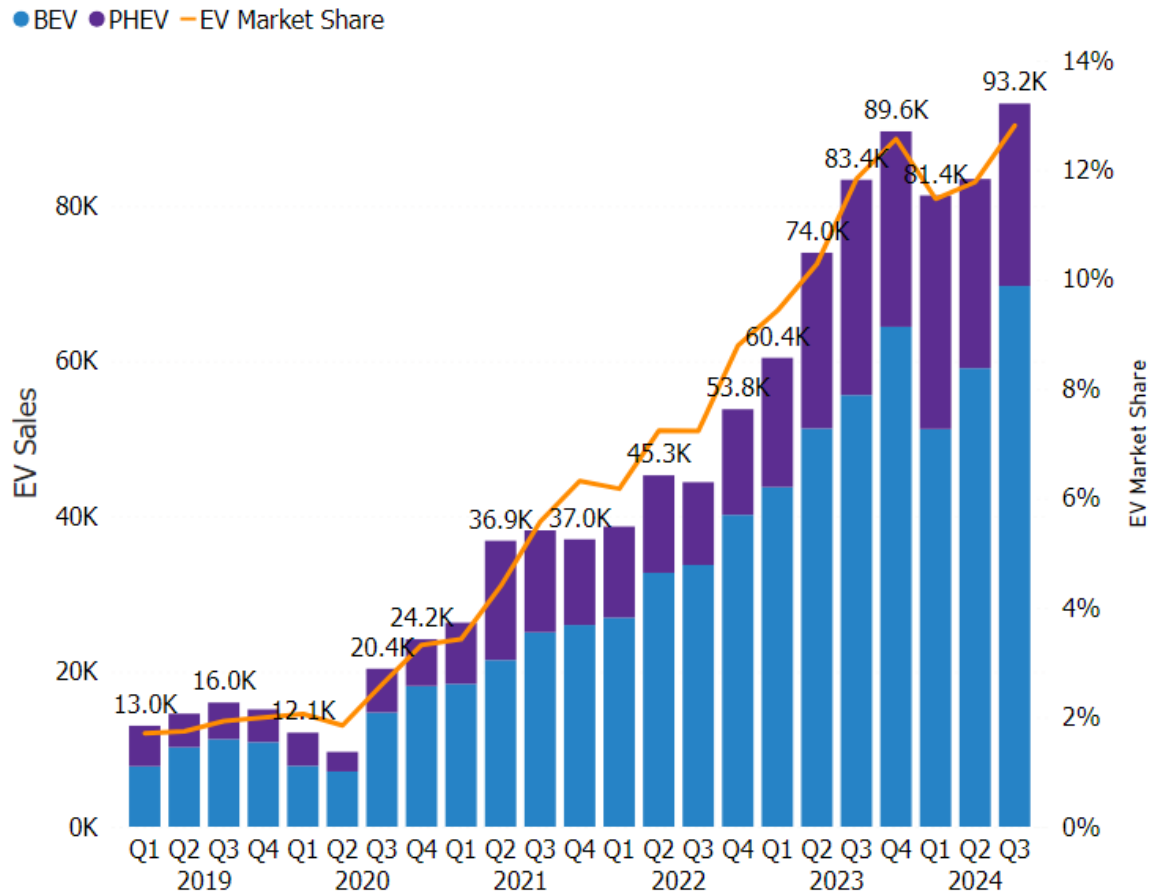
U.S. New Light-Duty BEV and PHEV Sales and Share of Light-Duty Sales



Source: [Atlas Public Policy EV Hub LinkedIn](#)

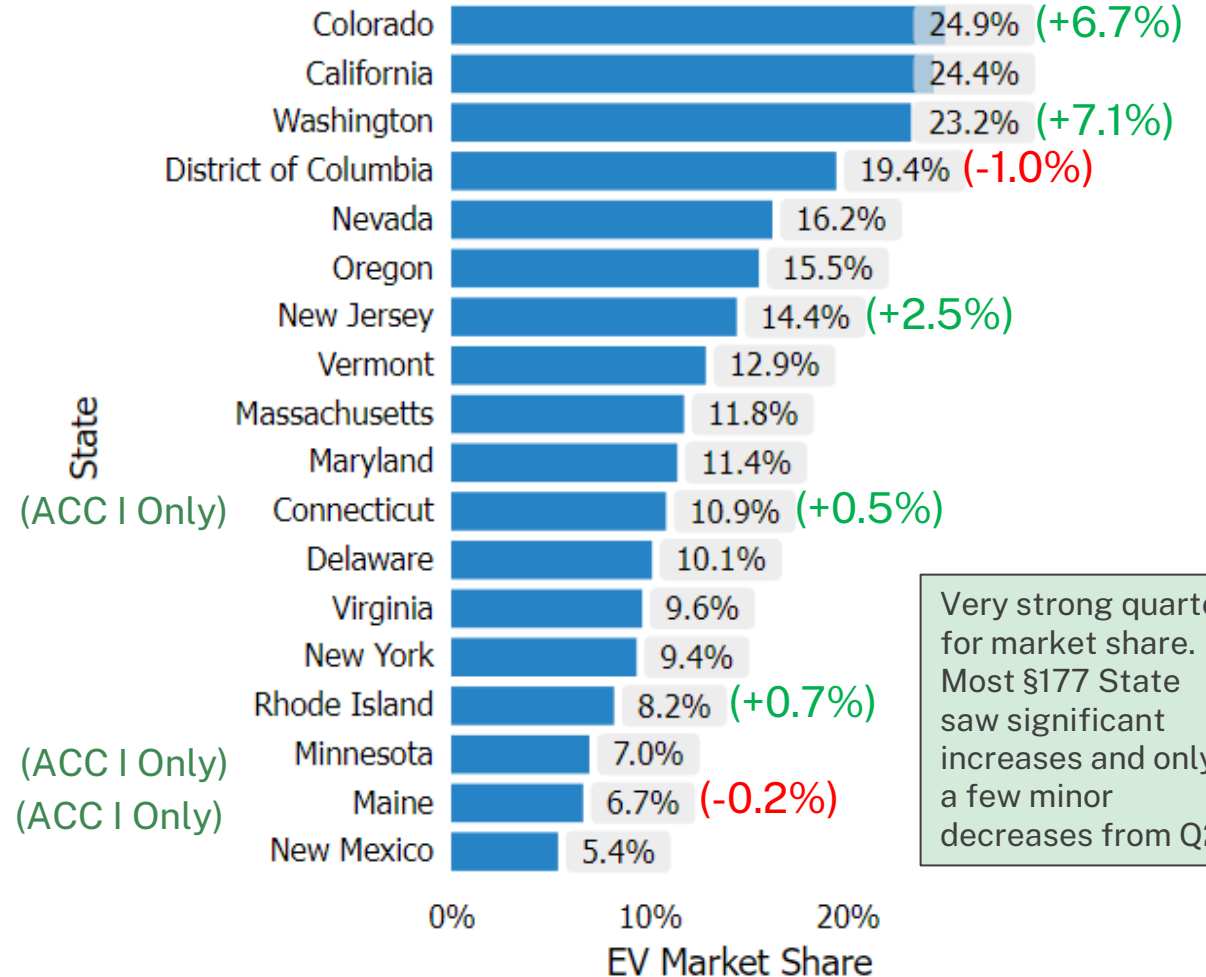
# EV DATA – §177 STATES

EV Sales and EV Market Share by Year, Quarter and Technology



Selected Section 177 States Include: CT, CO, MA, MD, ME, NJ, NY, OR, RI, VT  
 Source: Atlas Public Policy EV Hub Market Dashboard

EV Market Share by State (Q3 - 2024)





**Incentive Level Changes  
& Program Updates**

# CHEAPR INCENTIVE LEVEL ADJUSTMENTS / TIMING

## Current Incentives

Incentives (\$)	
PHEV Standard	750
PHEV Rebate+ New	1,500
<b>BEV Standard</b>	<b>2,250</b>
BEV Rebate+ New	2,000
PHEV Rebate+ Used	1,125
BEV Rebate+ Used	3,000
FCEV Standard New	7,500
FCEV Rebate+ New	2,000
FCEV Rebate+ Used	7,500

## January 1, 2025

Incentives (\$)		
PHEV Standard	750	-
PHEV Rebate+ New	1,500	-
<b>BEV Standard</b>	<b>1,500</b>	↓
BEV Rebate+ New	3,000	↑
PHEV Rebate+ Used	3,000	↑
BEV Rebate+ Used	5,000	↑
FCEV Standard New	1,500	↓
FCEV Rebate+ New	3,000	↑
FCEV Rebate+ Used	5,000	↓

This **returns** BEV Standard to \$1,500 and **increases** BEV Rebate+ New to \$3,000

Additionally, this **increases** the Rebate+ Used Incentives

**Trigger**  
If incentives paid out from Jan-Apr 2025 exceeds **\$3M total** (\$750,000 monthly)

## July 1, 2025

Incentives (\$)		
PHEV Standard	750	-
PHEV Rebate+ New	1,500	-
<b>BEV Standard</b>	<b>1,000</b>	↓
BEV Rebate+ New	4,000	↑
PHEV Rebate+ Used	3,000	-
BEV Rebate+ Used	5,000	-
FCEV Standard New	1,500	-
FCEV Rebate+ New	3,000	-
FCEV Rebate+ Used	5,000	-

These scenarios **reduces** BEV Standard to \$1,000 and **increases** BEV Rebate+ New to \$4,000



# INCENTIVE CHANGES – EVENTS ATTENDED



- Represented CHEAPR and presented upcoming Incentive Level changes at various community events:
  - ✓ “Addressing Barriers to EV Adoption-Panel Discussion, Community Forum”, at Housatonic Community College, Bridgeport, Oct. 16<sup>th</sup>
  - ✓ SWIFT Sustainability Expo in North Hartford, Oct. 19<sup>th</sup>
  - ✓ Connecticut International Auto Show by CARA, Nov. 15<sup>th</sup> -17<sup>th</sup>



# INCENTIVE CHANGES - OUTREACH EFFORTS

- ✓ Updated website and various webpages to feature new incentive levels and date of change
  - Check out [driveCHEAPR.org](http://driveCHEAPR.org)!
- ✓ Created new flyers, posters, handouts, etc. with updated information for events
- ✓ Updated and held webinars hosted by CSE for dealers and consumers with the new information
- ✓ Paragraph in CARA's monthly newsletter to inform dealers



Visit [DriveCHEAPR.org](http://DriveCHEAPR.org) for more details!



Point of Sale Purchase or Lease Incentives			
Vehicle Type	Standard	Rebate+ New (Standard + Rebate+ New)	Rebate+ Used
Plug-in Hybrid Electric Vehicle (PHEV)	\$750	\$2,250	\$3,000
Battery Electric Vehicle (BEV)	\$1,500	\$4,500	\$5,000
<b>Step 1 – Standard Incentive</b> You select an eligible EV from your favorite dealership		<b>Step 1 – Rebate+ Incentive</b> Before you buy, you pre-apply! Then select an eligible EV	
<b>Step 2</b> The Dealer helps you complete the application at the dealership		<b>Step 2</b> Bring your Rebate+ voucher to your favorite dealer and then they complete the standard CHEAPR rebate application. You get both!	
<b>Step 3</b> The Dealer credits the CHEAPR Rebate on your purchase or lease		<b>Step 3</b> The Dealer credits both the CHEAPR Standard Rebate and Rebate+ on your purchase or lease	
<b>Step 4</b> You take the CHEAPR survey to help us to improve the program!		<b>Step 4</b> You take the CHEAPR survey to help us to improve the program!	

← Are You Eligible for a Rebate+?

Check the Website  
[www.DriveCHEAPR.org](http://www.DriveCHEAPR.org)



← Scan to visit the  
New Eligible  
Vehicles List



← Scan to visit the  
Used Eligible  
Vehicles List

Note: Rebate+ Used vouchers can be applied for and redeemed either pre- or post-purchase.



Connecticut Department of  
Energy & Environmental  
Protection

Effective January 1, 2025, Incentive Levels are Changing!

PHEV Standard	\$750	-
PHEV Rebate+ New	\$1,500	-
BEV Standard	\$1,500	↓
BEV Rebate+ New	\$3,000	↑
PHEV Rebate+ Used	\$3,000	↑
BEV Rebate+ Used	\$5,000	↑

Since 2015, CHEAPR has issued over **\$31 million** in rebates to Connecticut residents for the purchase or lease of over **16,500 EVs!**

[driveCHEAPR.org](http://driveCHEAPR.org)

Scan to visit the CHEAPR website or visit: [driveCHEAPR.org](http://driveCHEAPR.org)

# ADDITIONS TO REBATE+ QUALIFYING PROGRAMS

## Winter Protection Program (WPP)

- State-run program (DSS, utilities and Community Action Agency)
- Prevents utilities from being shut off in the wintertime based on financial hardship or medical protection
- Eligible participants include:
  - Customers who receive public or private energy assistance
  - Customers whose incomes are at or below 125% of the federal poverty level
  - Customers who receive state, city, Medicaid and/or federal or state financial assistance
  - A customer whose physician's office certifies they or someone in their household has a serious or life-threatening illness

## Home Energy Solutions

- Utility-run program
- Provides home weatherization services to those who qualify to help save money on utility bills
- Eligible participants include:
  - Customers whose family's combined gross annual income does not exceed the state's 60% income median
  - Customers who already qualify for Eversource income-based payment assistance programs like the Electric Discount Rate, Matching Payment Plan (MPP) or New Start
  - Customers whose home has not received these program services within the last 6 years.



## **Other CHEAPR Initiatives**

# EBIKES ROUND 2 UPDATE



## eBike vouchers are starting to be redeemed!

- 3,566 total applications were received during two-week open period
  - 2,729 were Voucher+ applications with ~48% following the Tier 1 eligibility
- 600 applications selected by lottery that qualify for Tier 1, and 700 selected for standby
- Nearly 500 vouchers have already been approved and are ready to be redeemed!
  - Vouchers are redeemable for 240 days of issuance so rate of redemption could take time
  - CSE is working with applicants and retailers to ensure all proper documentation is submitted correctly. Applications may need to be resubmitted for accuracy
  - There is a high rate of cancellations for this round (approx. 37% of the initial 600 applications); DEEP and CSE are looking into the causes
- Currently, there are:
  - 23 Participating Retailer locations across CT
  - 130 eligible eBike models
- Updates to the eBike Statistics Page are in the works!

Eligibility	Total Applications Approved (thru 1/1/25)	Vouchers Redeemed (thru 1/1/25)
Personal Income	82	32
Public Assistance	407	111
<b>TOTAL</b>	<b>489</b>	<b>143</b>



# EECBG GRANT FUNDING FROM D.O.E.

## Municipal Fleet Purchase Incentive Program

**CT DEEP is planning to receive funding from the U.S. DOE to help state municipalities acquire EVs!**

- **DEEP expects to receive \$2 million in federal funding from the U.S. Department of Energy under the Energy Efficiency Conservation Block Program (EECBG)**
  - The program will be open to the following 19 districts initially due to EECBG rules and qualifications, as at least 40% (or ~\$850K) of funds must be directed to these towns
  - A second round would be opened to other municipalities with state-designated EJ communities if funding is not exhausted
- **This funding will be used to provide \$5,000 to \$20,000 vouchers for municipalities to purchase EVs**
- **The value of the voucher would be deducted from the purchase price of an eligible EV when purchased or leased from a licensed CT dealership**

EECBG Priority Districts	
Ansonia	Plainfield
Chaplin	Plymouth
Derby	Preston
East Haven	Putnam
Griswold	Sprague
Killingly	Sterling
Montville	Voluntown
Naugatuck	Winchester
New London	Windham
North Stonington	



# 2024 STATE DERA SOLICITATION

**Solicitation opened January 9, 2025**

- Email [DEEP.mobilesources@ct.gov](mailto:DEEP.mobilesources@ct.gov)

**Up to \$1,028,684.04 available for Electric Vehicle or Marine Projects**

- For Example: Municipal replacement of MHD fleet vehicles (i.e. trash trucks, street sweepers) with electric equivalents, Fishing boat motor replacement with new cleaner motors

**Deadline: February 13, 2025, at 4:00 p.m. ET**

**See the DERA webpage for more information on eligible projects**

**<https://portal.ct.gov/deep/air/mobile-sources/dera-grants> - DERA Grants**

# FEDERAL EV POLICY AND FUNDING-ISSUES TO TRACK WITH A NEW ADMINISTRATION

- ***EPA Rules for Cars/medium-duty trucks***-In March of 2024, EPA finalized its [multi-pollutant rule](#) that applies to passenger cars, pickups and commercial vans for MY 2027-2032.
- ***Heavy-Duty (HD) Trucks***-(Phase 3 GHG Standards) EPA issued a [final rule](#) in March of 2024 to revise the GHG emission standards for HD vehicles for MY 2027-32.
- ***California Waivers for Mobile Source Programs (Cars, trucks, fleets, locomotives)***
- ***Federal Tax Credits for EVs*** track to determine changes to CHEAPR in 2025.
- ***Federal Funding for EV charging-funded through IRA (CFI) and IIJA (NEVI).***