

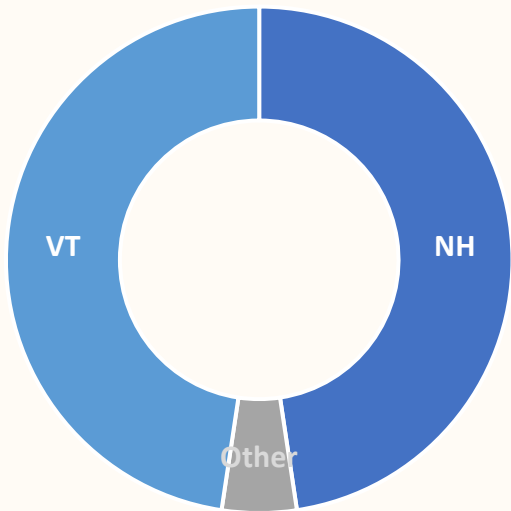
What's New with Driving Electric



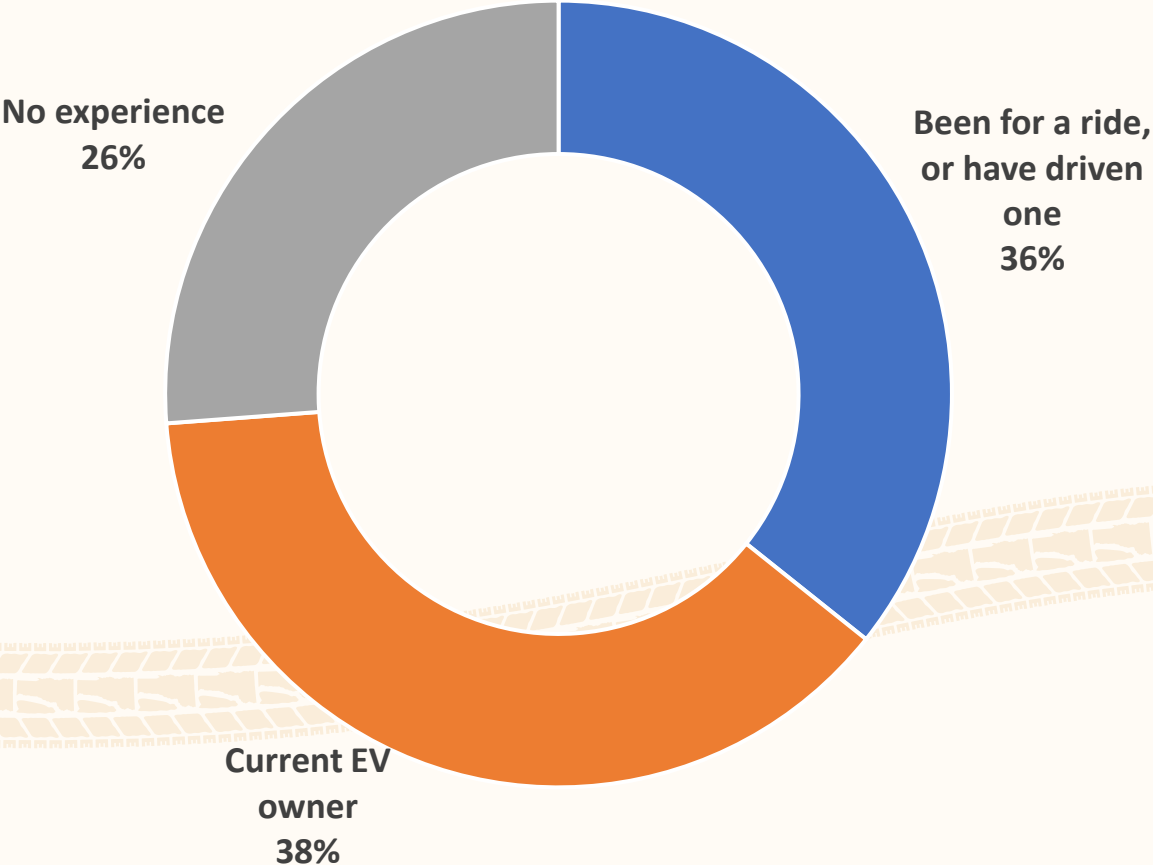
September 29, 2026

Registration Questions

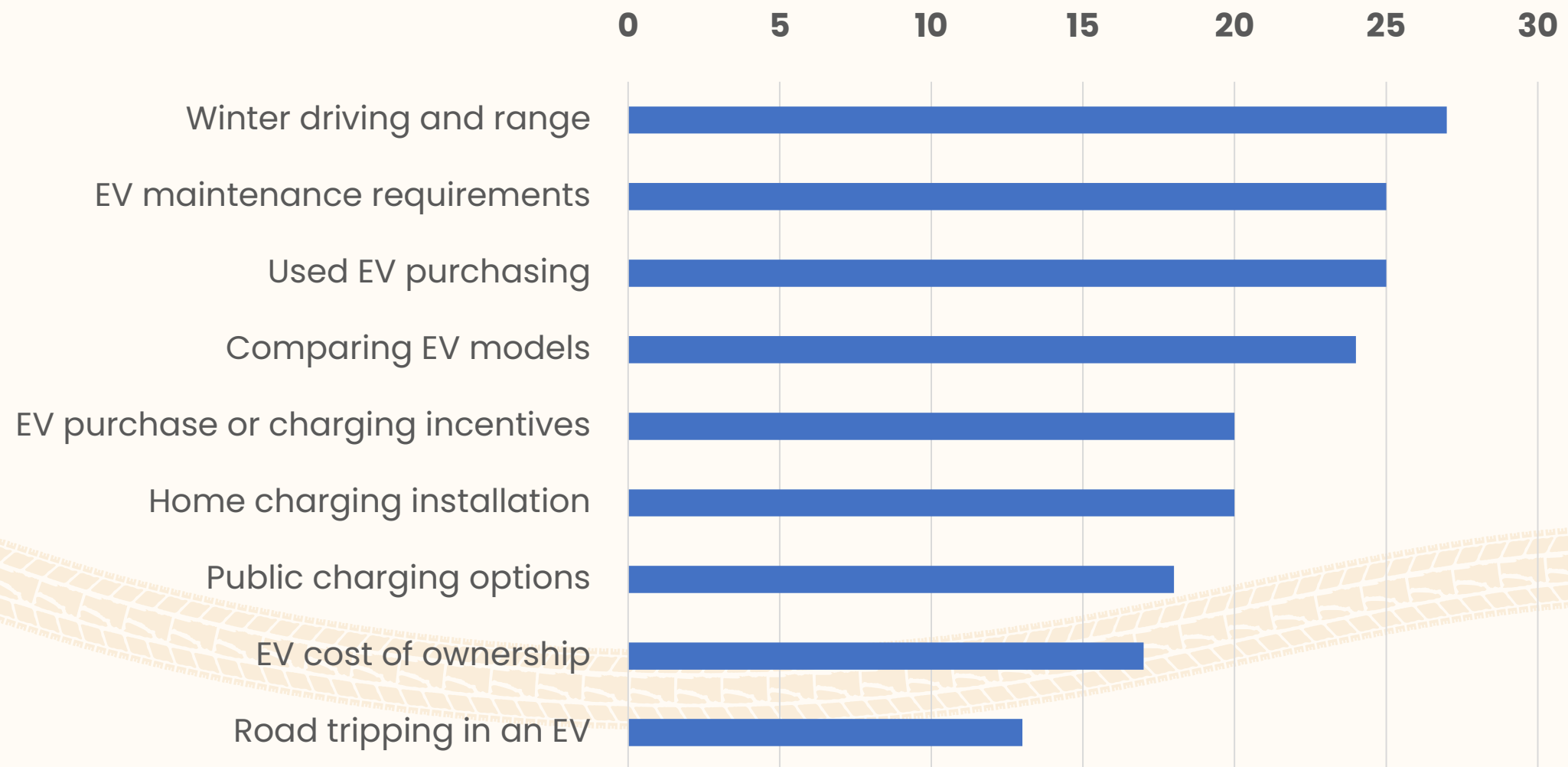
Home State



EV Experience Level



Topics of Interest



Agenda

1. Introductions

2. EV Overview

- Winter use
- Charging

3. What's New

- Potential cost savings
- Road tripping
- EV incentives
- Used EV availability and purchasing advice
- New models and technologies

4. Discussion / Q & A



About Drive Electric Vermont

- Drive Electric Vermont is a public-private partnership established in 2012 by VEIC and the State of Vermont
- Working to advance transportation electrification through:
 - Industry coordination and support
 - Consumer education and outreach
 - Incentive program support and dealer engagement
 - Business and municipal fleet support
 - EV charging planning and support



<https://www.driveelectricvt.com/>



veic

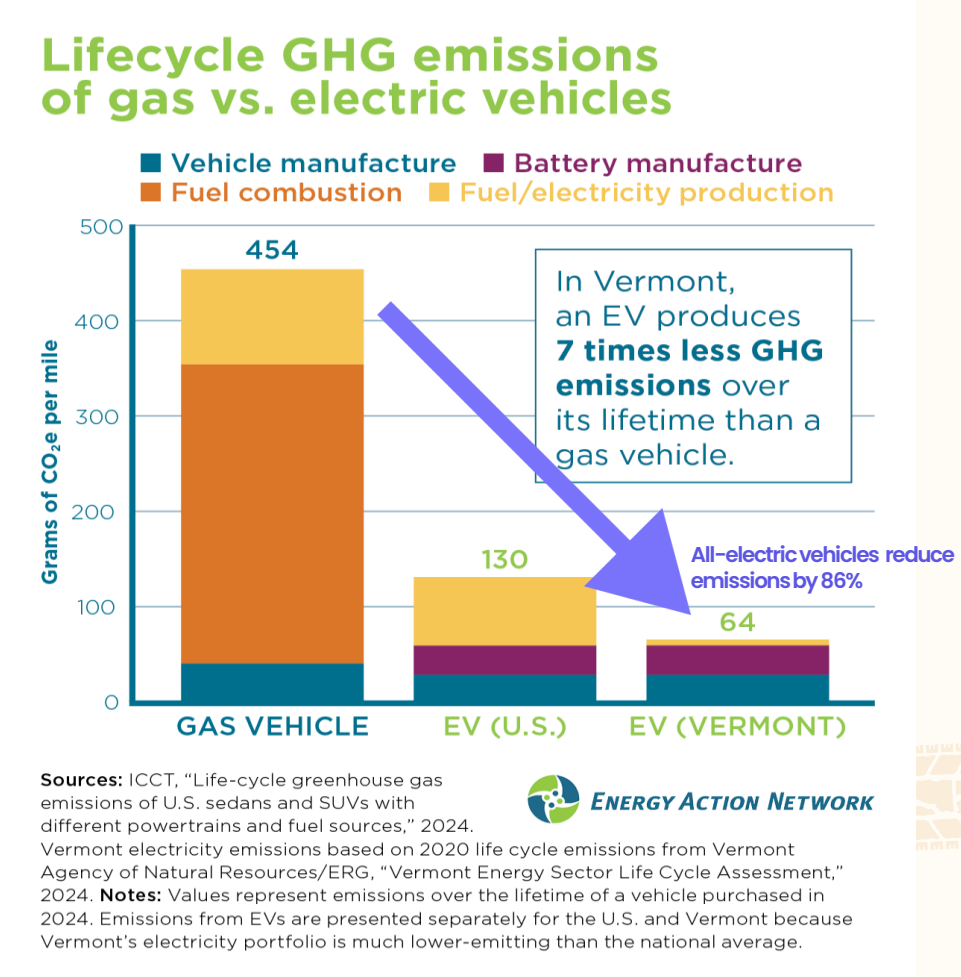


Why Go Electric?

- Save money
- Reduce emissions
- Great performance
- Quiet
- Convenient charging at home

EV Emission Reductions

2024 Lifecycle GHG emissions of SUVs in the United States and Vermont



Also

Reducing vehicle travel is the most efficient way to address transportation emissions.



Some Popular EV Models



Tesla Model Y

306-357 Miles
\$40k+ (new)



Chevrolet Bolt

262 Miles
\$28k+



Hyundai Ioniq 5

245-318 Miles
\$35k+



Volkswagen ID.4

263-291 Miles
\$45k+



Subaru Solterra

220-300 Miles
\$39k+



Toyota RAV4 Plug-in Hybrid

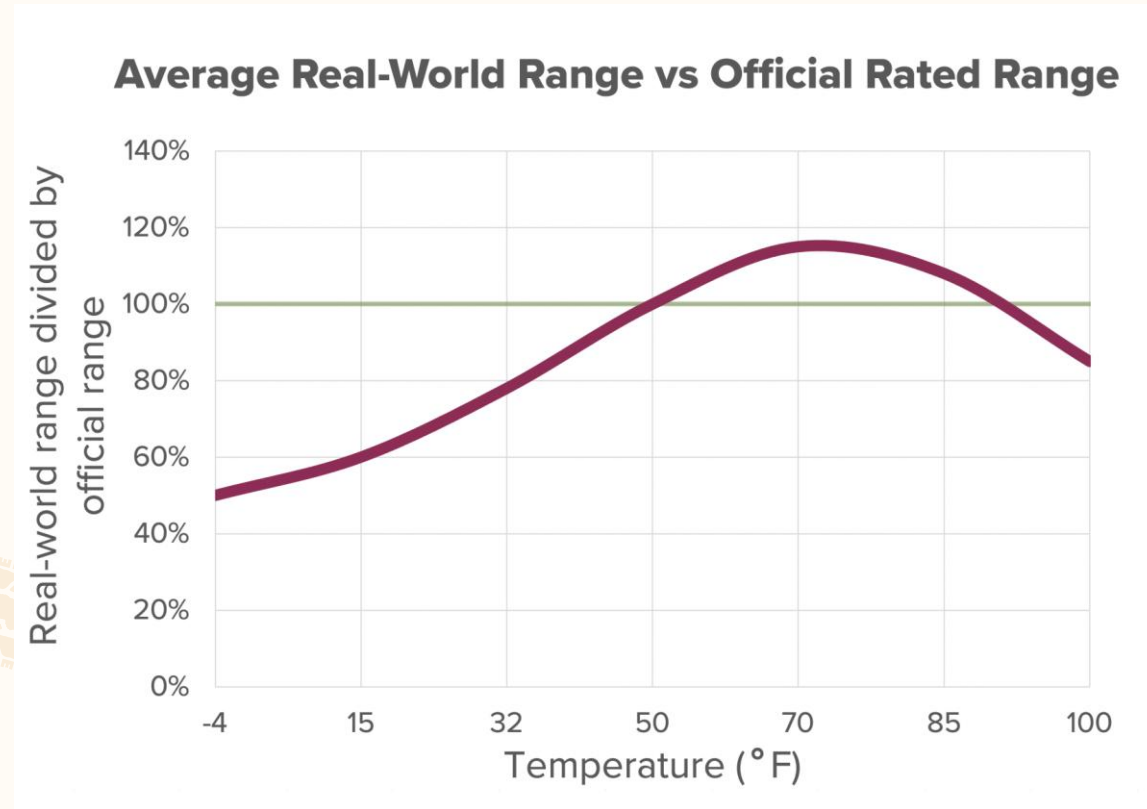
42/600 Miles
\$42k+



<https://www.driveelectricvt.com/shopping/find-your-ev>

EVs in New England Winter Conditions

Cold weather reduces electric range 20–50%



Range Saving Tips

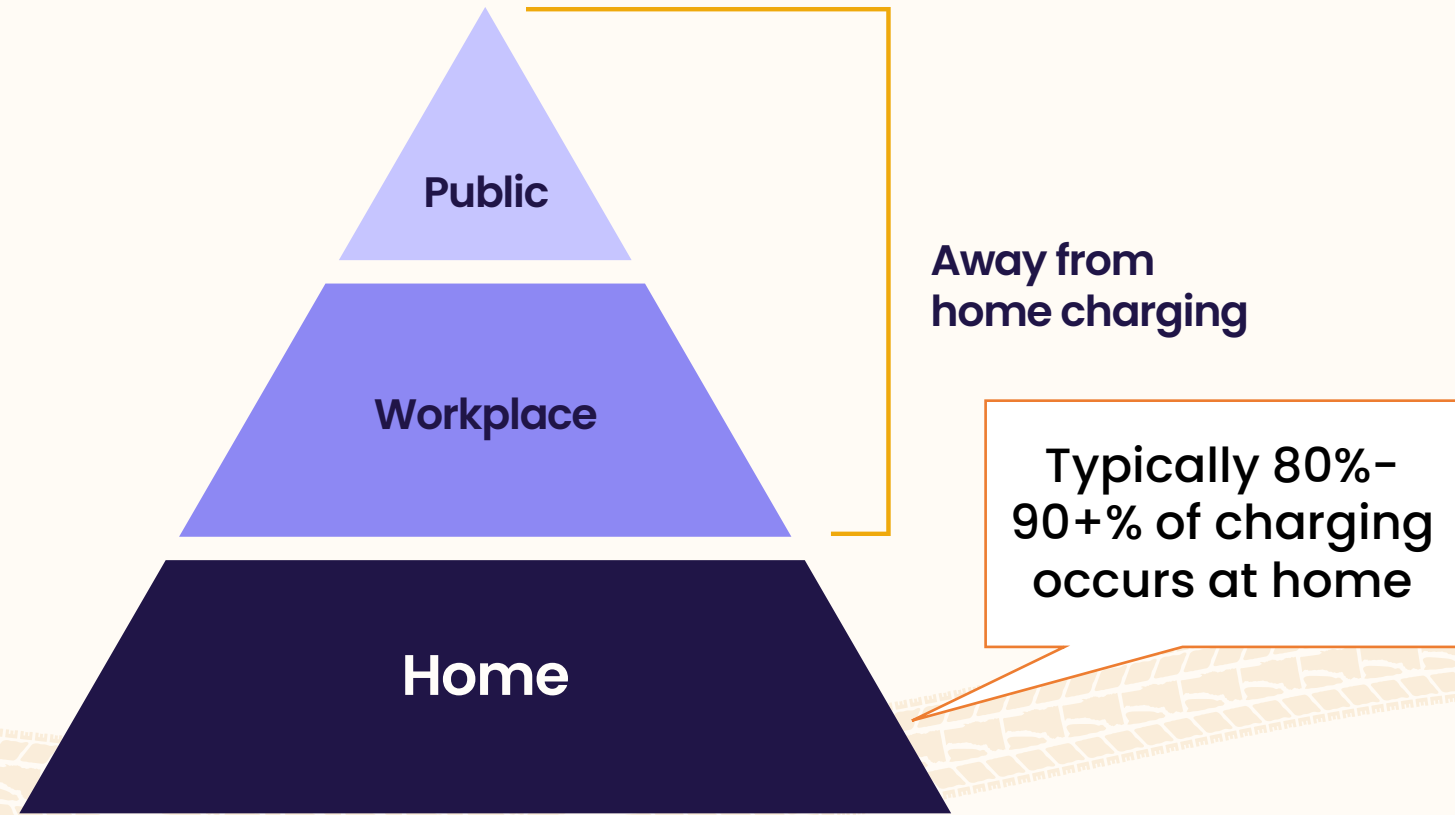
- Heated seats / steering wheels
- Heat pumps on some EVs
- Cold weather packages
- Preheating
- Drive slower

Other Considerations

- Slower fast charging and battery preconditioning
- Battery chemistry advances



EV Charging Overview



EV Charging Equipment Types



Level 1 Charging

120V
5 miles range / hr

Plug Types:



J1772



NACS / Tesla



Level 2 Charging

240V
10-20 miles / hr

Plug Types:



J1772



NACS



DC Fast Charging

480V
Up to 160 miles / 10 min

Plug Types:



CCS / Combo



CHAdemo



NACS



Home Charging – Potential Savings

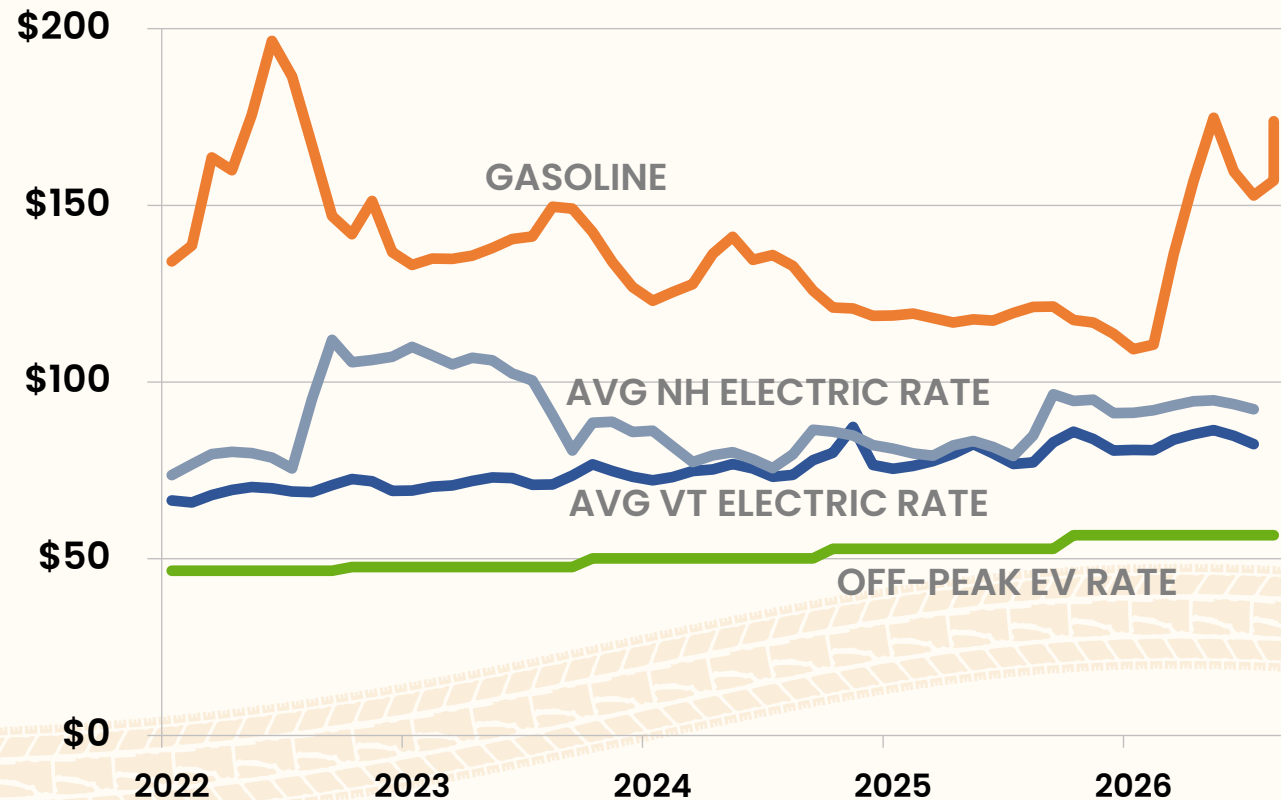
- Home charging is typically the most convenient and lowest cost option
 - Access to off-peak home charging rates can bring cost down further
 - Renters and condo owners may have challenges installing home charging
- Public level 2 charging is more expensive but still typically less or equal to gasoline
 - Fast charging is often priced at a premium due to higher costs and convenience

EV “Gas Taxes”

- Higher EV registration fees
 - All-electric: +\$89/yr in VT or \$100/yr in NH
 - PHEV: +\$45/yr
- VT implementing mileage-based user fee next year



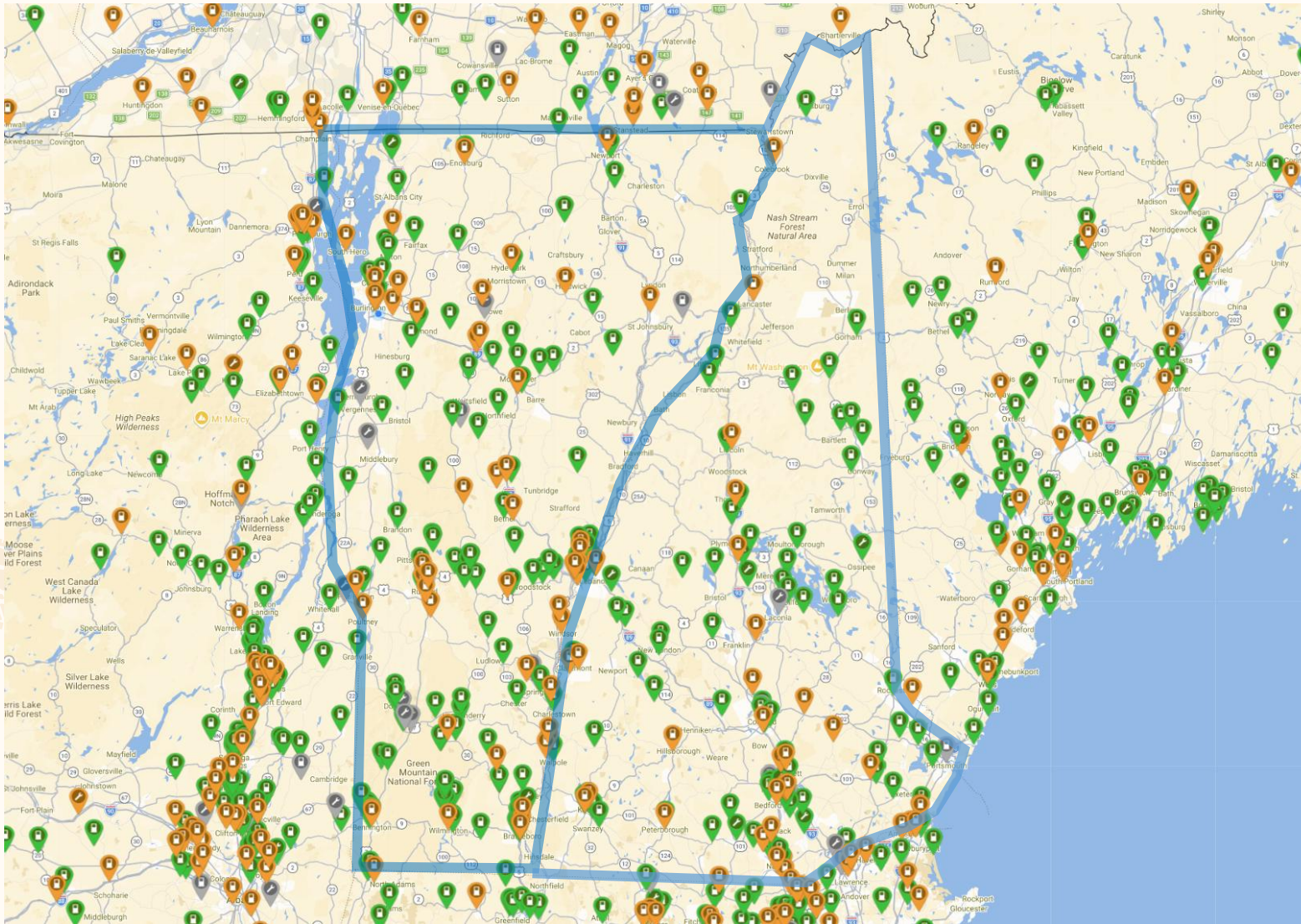
Monthly Fuel Cost Comparison



Sources: US Energy Information Administration VT & NH avg home electric rate and VEIC
Assumptions: 25 mpg gasoline vehicle; 3 mile per kWh EV; 1,000 miles per month

<https://www.driveelectricvt.com/shopping/cost-of-ownership>

Public Charging Availability

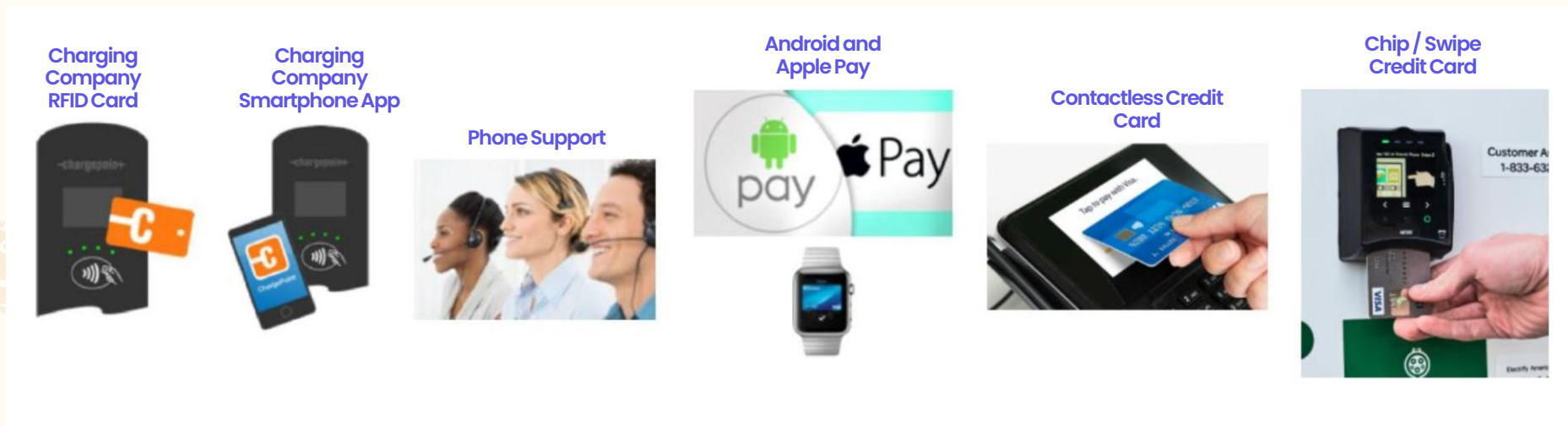


	Vermont	New Hampshire
Public Fast Charging (orange pins)	107 locations 321 ports	81 locations 349 ports
Total Public Charging	545 locations 1,348 ports	300 locations 821 ports

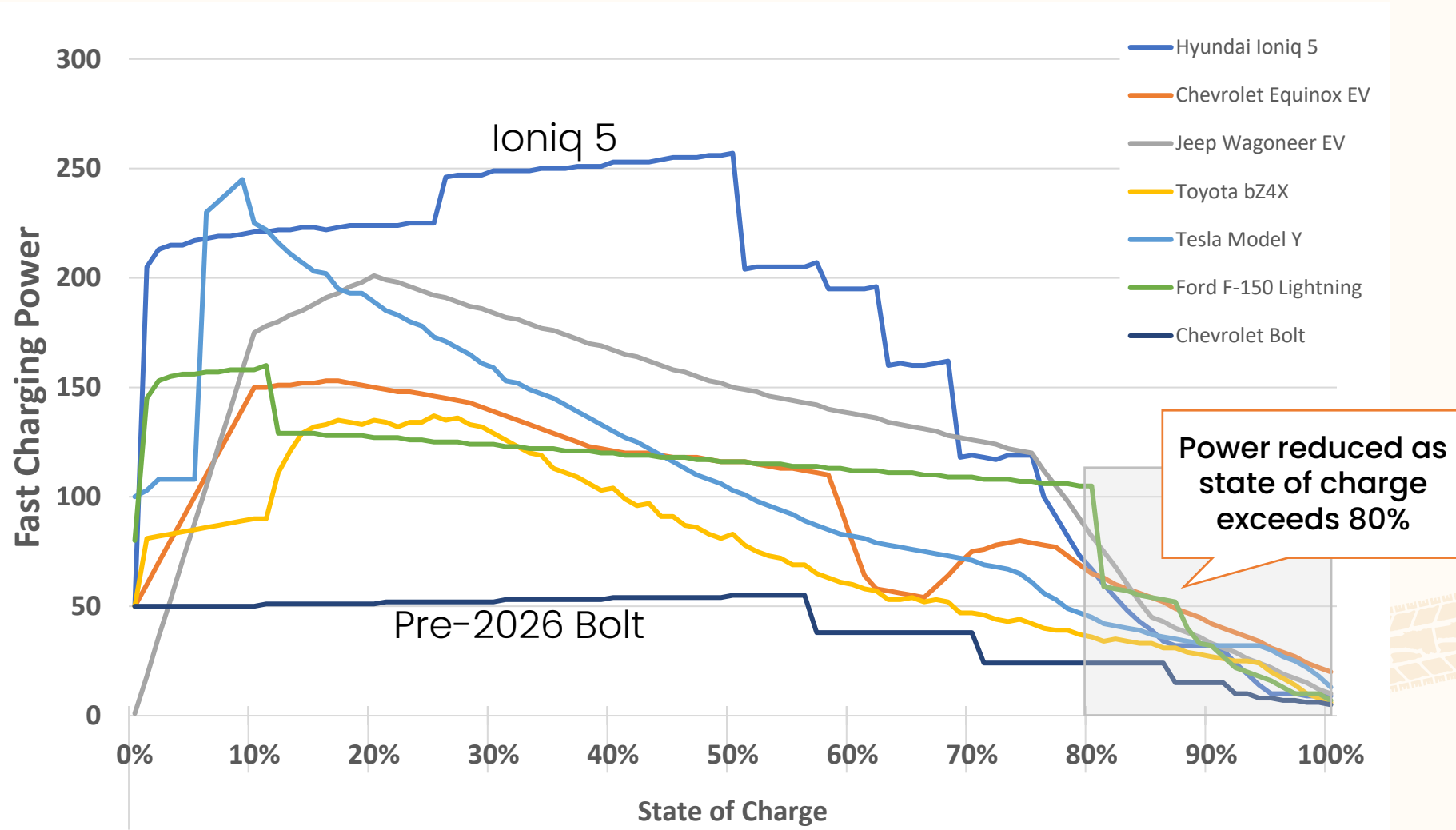
www.PlugShare.com
<https://afdc.energy.gov/stations>

Public Charging Pricing & Payment Options

- Pricing is set by host location – usually around \$0.25/kWh or \$1/hour for level 2 charging
- Fast charging is more expensive \$0.40–\$0.60/kWh – about \$25 per session
 - Idle fees when charging is complete are common with fast charging
- Roaming agreements between charging providers can streamline access
- Payment options listed below not available at every location – sign up with charging networks before a trip!
- Plug & Charge streamlines access and payments for some models and charging providers and will grow



DC Fast Charging Power by EV Model



Fastest charging when batteries are depleted

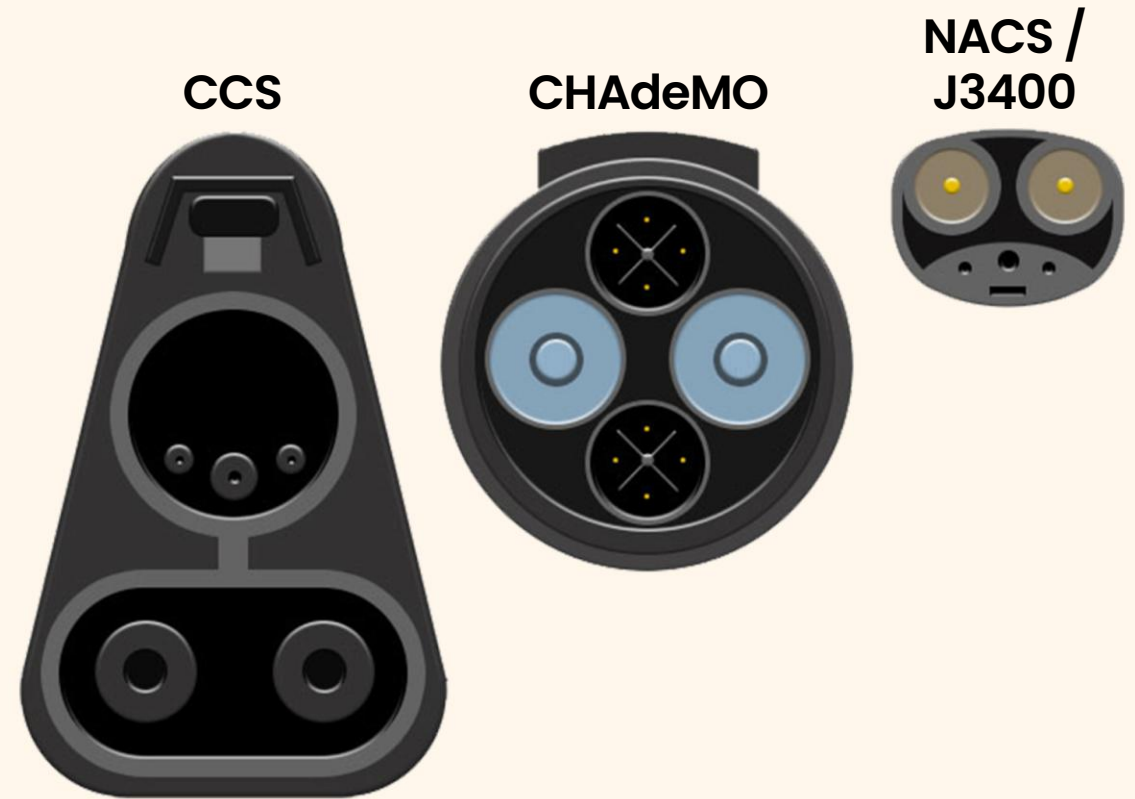
Not all charging equipment is capable of the highest power

Etiquette is to **move vehicle when 80% charge is reached**

Low temperatures slow down fast charging in most EVs available today. Preconditioning helps (if available).

NACS (Tesla) Charging Port Transition

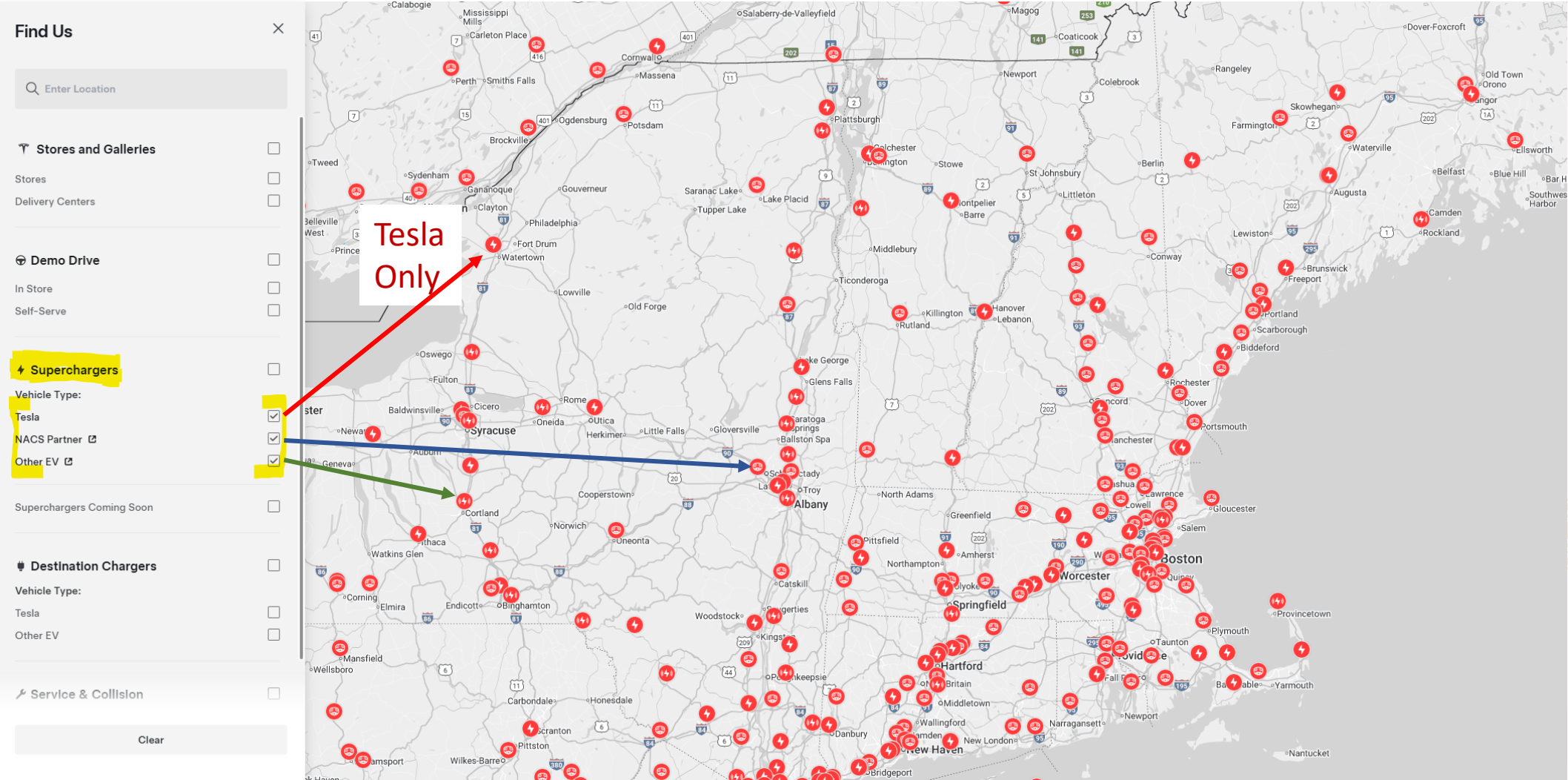
- Ford announced switch from CCS to North American Charging Standard (NACS), aka SAE J3400, in May 2023
- All other major automakers have followed
- Adapters available or coming soon for many existing vehicles
- Older Nissan Leaf EVs with CHAdeMO charging do not have Nissan-authorized NACS adapters
- Non-Tesla EVs with NACS are shipping (e.g. 2025+ Hyundai Ioniq 5)



<https://www.tesla.com/support/charging/supercharging-other-evs>



Tesla Supercharger Map



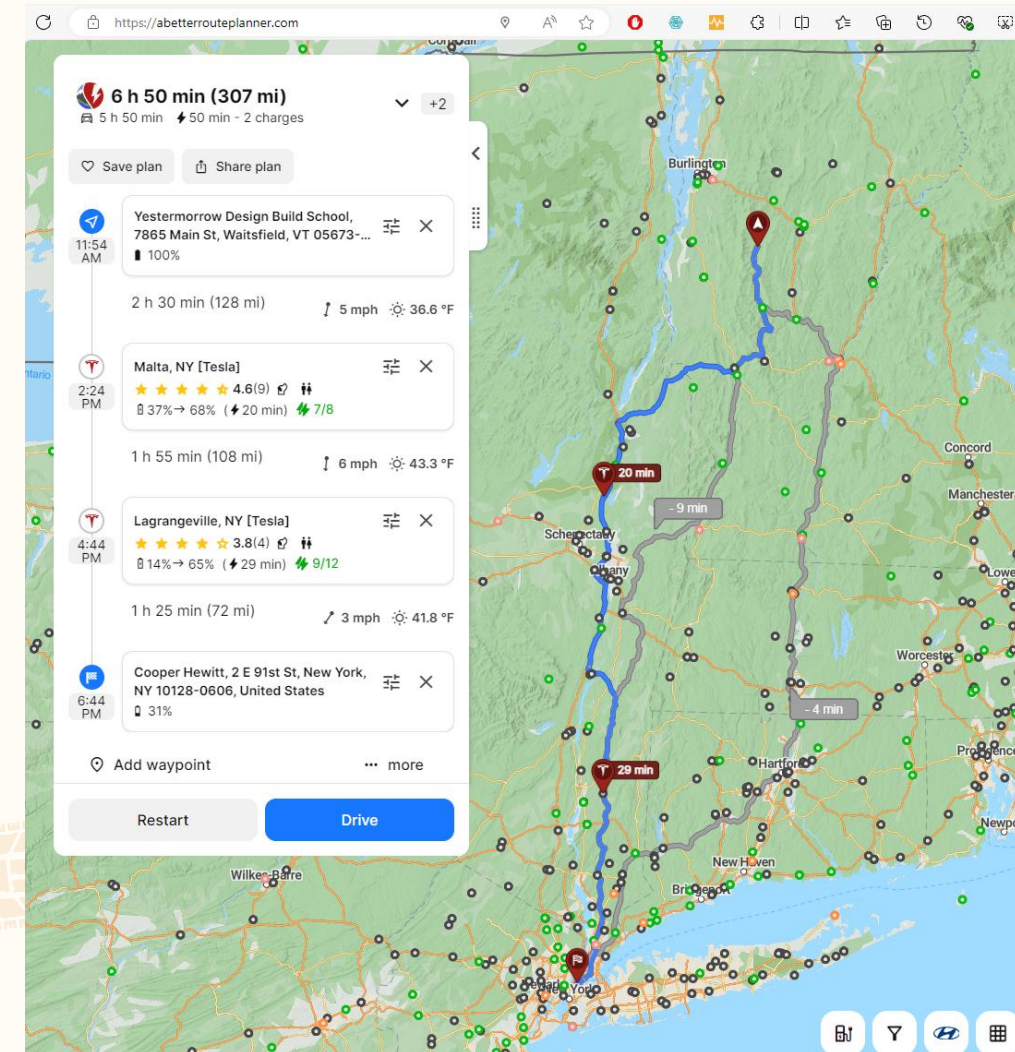
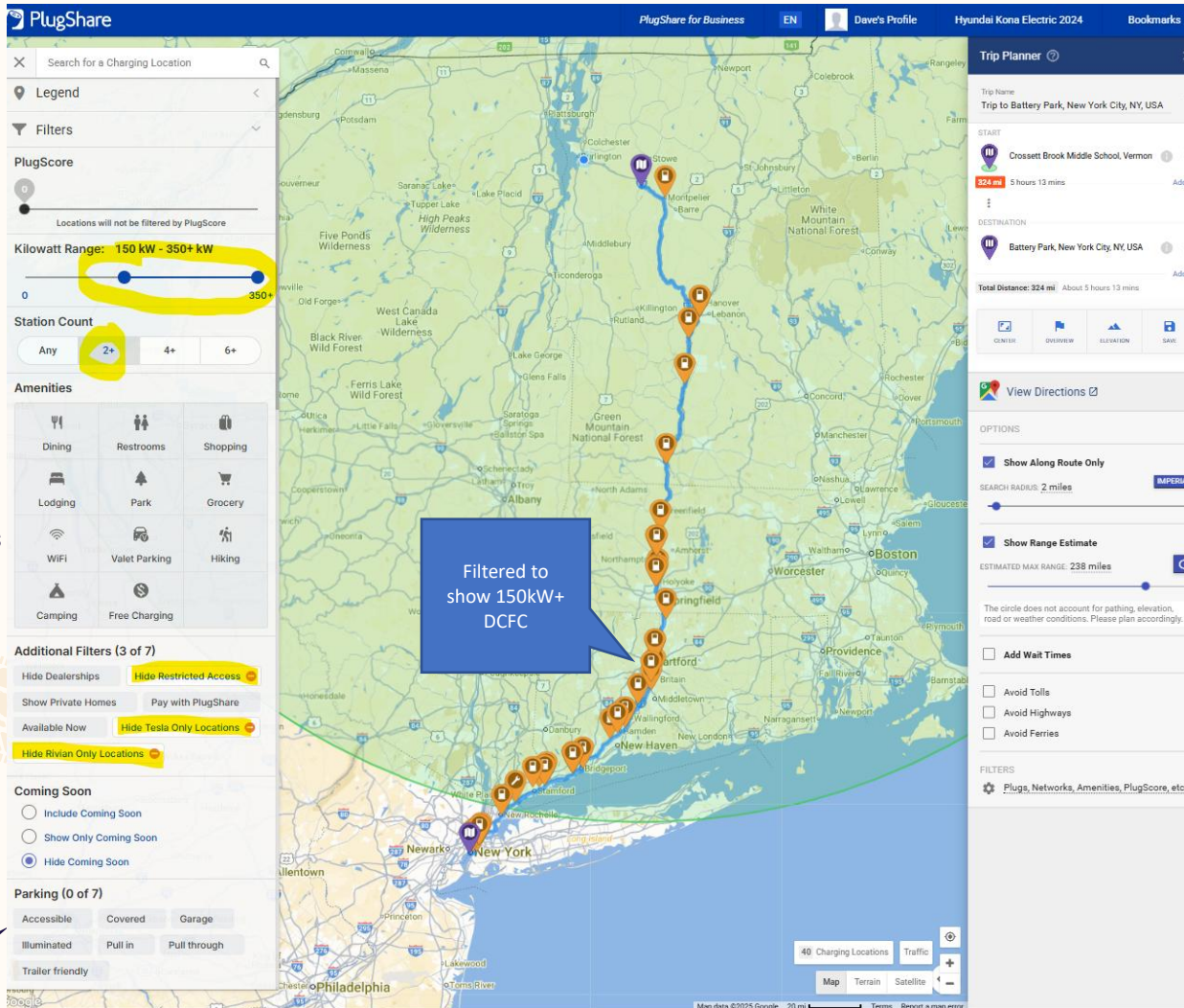
Tesla "Find Us" Supercharger Map

EV Trip Planning – NYC examples

Tips

Check PlugShare before relying on charger

Don't fast charge past 80% if others are waiting



EV Incentives

1. Federal Tax Credit

- Expired in September 2025

2. State of Vermont

- Expired in October 2024

3. Vermont Electric Utility Incentives

- Vary depending on the utility – up to \$5,700
- Many offer higher incentives to income-qualified purchasers
- Burlington Electric, Green Mountain Power, and VPPSA offer dealer point-of-sale options
- Most also offer incentives for home charging equipment and off-peak rates

3. New Hampshire Electric Utility Incentives

- No EV purchase incentives
- Most offer off-peak rates and some support home charging equipment installations

<https://www.driveelectricvt.com/incentives>

https://afdc.energy.gov/laws/state_summary?state=NH



Used EV Marketplace

- Growing inventory of off-lease EVs
- Prices are closer to gasoline options
- Warranty on powertrain and battery is typically 8 year or 100,000 miles (whichever comes first)
- Check battery health before purchasing
- Consumer Reports or other sources offer model-year specific reliability information
- Understand pre-2020 EV range and fast charging capability was typically less than recent models
- YouTube reviews of specific vehicles and model years may be helpful



<https://www.driveelectricvt.com/shopping/used>

The screenshot shows the Green Wave EV website. The header includes the logo, a search bar, and navigation links: INVENTORY, ABOUT, FINANCE, WARRANTY, and CONTACT. The main banner features the text "DRIVE YOUR VALUES" and "ELECTRIC VEHICLE DRIVERS HAVE MORE FUN" with a subtext "Join the EV movement at one of Green Wave's two area locations!". Below the banner are four key statistics: "#1 NH's first EV-only dealership", "25% Average carbon footprint reduction", "40,000+ Trees planted every year", and "\$0 Commission-free sales". A section titled "SAVE THE PLANET WITH A REALLY COOL CAR AT GREEN WAVE" includes a paragraph about their mission and two bullet points: "ALL MAKES AND MODELS OF EVS" and "COMMISSION-FREE SALES TEAM". On the right, there are two photos: one of a blue car in a showroom and another of three people standing next to a car.

<https://www.greenwaveev.com/>

New Models

- New and upcoming models
 - Kia EV3
 - Subaru Trailseeker / Toyota bZ Woodland
 - Rivian R2
 - Volvo EX60
 - BMW iX3
 - Slate pick-up
 - Ford Fathom pick-up



Technology Advancements

- Battery technologies
 - Ongoing improvements to cost and range
 - Solid-state batteries in testing and development
 - More range in the same space
 - Less temperature sensitive
 - Faster charging
 - Improved safety
- Vehicle-to-Load, Home, and Grid
 - V2L allows you to use your EV like a generator for things plugged directly into the vehicle
 - V2H allows you to connect an EV to home electric service
 - V2G feeds back onto the grid

INSIDE EVs

These Are All The EVs That Come With Power Outlets And Vehicle-To-Load Capability

Having a household outlet in your car makes a lot of sense, especially if you don't have to burn fuel to get power.



Photo by: Kia



By: Iulian Dnistrian
Aug 19, 2025 at 4:07pm ET

Add InsideEVs as a
preferred source in Google

7 Comments

ADVERTISEMENT



Wrapping Up

- EV owners overwhelmingly say they don't want to go back after making the switch.
- Great savings on fuel and maintenance compared to gas cars.
- Have a plan for home charging before purchasing an EV.
- EV road trips are getting easier, especially as Tesla Supercharger access is available for most EVs.
- Our teams are available if you have questions.



[Contact Us - Drive Electric Vermont](https://www.greenwaveev.com/contact/)

<https://www.greenwaveev.com/contact/>



Discussion
