

More Affordable Electric Vehicles are coming to Virginia soon

- *IF Virginia keeps the Clean Car Standards*

55% of Virginians are likely to consider an EV for their next car.¹

- Most major automakers have ambitious EV sales targets by 2030. (See inset box next page)
- But those EVs will not be evenly distributed for sale around the country.

Manufacturers prioritize sending electric vehicles (EVs) to Clean Car States.²

- **Manufacturers will send their affordable smaller models of EVs to Clean Car States in order to meet the required sales targets.**
- If manufacturers don't have to meet Clean Car Standards sales targets, they may send only high-end EVs to Virginia dealerships, pricing EVs out of reach for many Virginians.

To ensure Virginians can purchase the EVs we want from in-state dealerships, Virginia must keep the Clean Car Standards.

- 1/3 of EVs registered in Virginia at the start of 2020 were purchased out of state.³
- The Clean Car Standards will bring EV sales home to Virginia dealerships.

The MSRP of non-luxury EVs will soon be equal to gas-powered cars.

- **250-mile-range EVs will reach price parity by 2027 with gas-powered cars and SUVs.⁴**

Table ES1. Summary of year by which battery electric vehicle price parity is reached

Vehicle class	Range (miles)					
	BEV-150	BEV-200	BEV-250	BEV-300	BEV-350	BEV-400
Car	2024	2025	2027	2028	2029	2030
Crossover	2024	2025	2027	2028	2029	2030
SUV	2024	2025	2027	2028	2029	2030
Pickup	2025	2026	2028	2029	2031	2033

Note: Numbers in table are rounded to the nearest year.

BEV = Battery Electric Vehicle, not plug-in hybrid. Price parity does *not* include federal tax credits or rebates.⁵

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"We think we get [to price parity] ... around 2025, where there'll be enough technology that's driving down cost on the battery. Technology will drive range up. Less batteries, but more range, at less cost — we'll get there."

-Volvo CEO Jim Rowan⁶

Further savings from owning EVs:

- **EVs qualify for up to \$7,500 in federal tax credits.**
- 30% tax credit for home EV chargers
- **fuel and maintenance cost savings range from \$6,600 to \$11,000 over 6 years per vehicle purchased in 2025**
 - greatest absolute savings for the pickup and SUV class."⁷

The Clean Car Standards will help ensure that these savings are available to all Virginians who want them.

Some of the EV sales goals set by manufacturers:

GM: 30 new EVs by 2025. GM will be all-electric by 2035

Ford: 50% of US vehicle sales to be fully electric by 2030. Ford will phase out gas-powered vehicles in "leading markets" by 2035.

Nissan: 40% of US vehicle sales to be electric by 2030.

Volvo: EV-only by 2030.

VW: 55% of US vehicle sales to be fully-electric by 2030.

PLEASE DO NOT REPEAL OR WEAKEN THE CLEAN CAR STANDARDS

¹ "Virginia Drives Electric 2022." Generation180 (2022). <https://generation180.org/virginia-drives-electric-2022/>

² Erwin, B. 2020. "What Is a ZEV Credit and How Does Tesla Make Money with Them?" Current Automotive. (Jul 31, 2020) <https://www.currentautomotive.com/what-is-a-zev-credit-and-how-does-tesla-make-money-with-them/>.

"REV up ELECTRIC VEHICLES: A Nationwide Study of the Electric Vehicle Shopping Experience." Sierra Club (2019). <https://www.sierraclub.org/sites/www.sierraclub.org/files/program/documents/2153%20Rev%20Up%2>

³ Reilly, K. & D. Freidman Opinion | "Virginia can help ease the transition to clean cars." (2021, Feb 11). Washington Post. <https://www.washingtonpost.com/opinions/2021/02/11/virginia-can-help-ease-transition-clean-cars/>

⁴ "Assessment of light-duty electric vehicle costs and consumer benefits in the United States in the 2022–2035 timeframe." International Council on Clean Transportation (ICCT) (Oct 2022). <https://theicct.org/publication/ev-cost-benefits-2035-oct22/>

⁵ Ibid. *This price parity does not include federal or state tax credits or rebates.*

⁶ "Volvo CEO Says EVs May Cost Same as Similar Gas Cars by 2025." (2022, Nov 11). InsideEVs. <https://insideevs.com/news/621359/volvo-ceo-evs-price-parity-gas-cars-2025/>.

⁷ "Assessment of light-duty electric vehicle costs and consumer benefits in the United States in the 2022–2035 timeframe." (Oct 2022). ICCT: <https://theicct.org/publication/ev-cost-benefits-2035-oct22/>

Sources for Manufacturer EV Plans:

GM: <https://www.gm.com/electric-vehicles>

Ford: <https://fortune.com/2022/06/01/ford-general-motors-electric-vehicles-jobs-fortune-500/>
<https://www.nytimes.com/2021/04/28/climate/air-pollution-minorities.html>

Nissan: <https://global.nissannews.com/en/releases/nissan-ambition-2030-vision-to-empower-mobility-beyond>

Volvo: <https://www.nytimes.com/2021/03/02/business/volvo-electric-cars.html>

VW: <https://media.vw.com/en-us/releases/1668>

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