

Many Virginians can't buy an EV unless you keep the Clean Car Standards in place.

- EVs are popular but **manufacturers are primarily sending them to states that have adopted Clean Car Standards,**¹ meaning many **Virginians literally can't buy the cars they want to. *That will now change by 2024, THANKS to CLEAN CAR legislation YOU passed last year.***
- **Demand for EVs in VA exceeds supply.** Over half of Virginians are likely to consider buying an EV for their next car.² 8% of prospective car buyers definitely plan to buy an EV in the next 2 years.³
- But when Virginians go to dealerships, they don't see many EVs or as many models as offered in Clean Car states. The on-the-lot inventory of EVs at VA dealerships is only half that of dealerships in comparable Maryland cities.⁴ (Maryland has the Clean Car Standards)
- A third of EVs registered in Virginia were purchased out of state.⁵
- **Owning an electric vehicle will save The typical driver \$6,000 to \$10,000 over the life of the vehicle,** compared to owning a comparable gas-powered vehicle.⁶



Keeping Clean Cars is good for consumers, human health, and the environment.

Clean Cars Standards Protect Public Health for Overburdened Communities near high traffic areas

- **Communities of color and low-income households are exposed to more traffic pollution than more affluent and white households.**¹²
- People of color are 3.2 times more likely to live in a county with a failing grade for unhealthy ozone days, particle pollution days and annual particle levels.¹³
- Car pollution makes people susceptible to developing heart disease, strokes, cancer, and respiratory illnesses like asthma.¹⁴ EVs have no tailpipe emissions.
- **Car pollution is lethal. In Virginia, 750 people die prematurely every year from transportation emissions, roughly the same number as die from traffic accidents.**¹⁵
- Particulate matter pollution from vehicles in Virginia causes a health burden of \$750 million per year. This doesn't even include the health burden from other vehicle exhaust components.¹⁶

Clean Cars Standards are one of our best tools to Fight Climate Change

- Transportation accounts for 48% of all carbon emissions in Virginia.⁷
 - Personal vehicles cause 70% of transportation carbon emissions.⁸
 - EVs are essential (but not sufficient) to swiftly reduce transportation GHGs and reaching our climate goals.
- EVs get the equivalent of over 88 miles to the gallon, on average.⁹
- Based on Virginia's current electricity sources, carbon emissions are about 2/3rds lower for EVs than for the average conventional car.¹⁰
 - Virginia's grid - and EVs- will get cleaner over time, thanks to RGGI and the VCEA.
 - Clean Car Standards have the potential to **avoid 48 million metric tons of carbon dioxide pollution** cumulatively by 2040.¹¹

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Sources:

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