

## 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,**<sup>1</sup> 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.<sup>2</sup> 8% of prospective car buyers definitely plan to buy an EV in the next 2 years.<sup>3</sup>
- 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.<sup>4</sup> (Maryland has the Clean Car Standards)
- A third of EVs registered in Virginia were purchased out of state.<sup>5</sup>
- **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.<sup>6</sup>



## 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.**<sup>12</sup>
- 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.<sup>13</sup>
- Car pollution makes people susceptible to developing heart disease, strokes, cancer, and respiratory illnesses like asthma.<sup>14</sup> 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.**<sup>15</sup>
- 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.<sup>16</sup>

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

- Transportation accounts for 48% of all carbon emissions in Virginia.<sup>7</sup>
  - Personal vehicles cause 70% of transportation carbon emissions.<sup>8</sup>
  - 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.<sup>9</sup>
- Based on Virginia's current electricity sources, carbon emissions are about 2/3rds lower for EVs than for the average conventional car.<sup>10</sup>
  - 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.<sup>11</sup>

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## Sources:

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