

Manufacturing the Future of Transportation in Virginia




Significant investments in Virginia-based electric vehicle manufacturing, infrastructure, and workforce development are driving economic opportunities across the state—strengthening American national security, driving local job growth, and protecting the state's economy from oil's price volatility.


Consumer Choices are Increasing Energy Security

Virginian drivers consume more than **3 billion gallons** of gasoline each year.¹ As more drivers are going electric, they are reducing the state's reliance on oil, moving toward a more stable and secure energy future while saving consumers money. With statewide energy prices of \$3.31 per gallon for gas and \$0.15 per kWh for electricity, a Virginian driving 15,000 miles per year would save **\$1,128 annually** by switching to an EV!²

Virginia EV Market Snapshot

106,281³ 
battery electric
vehicle sales

5,213⁴ 
charging ports

35,601,156⁵ 
estimated gallons of
gas saved per year

6.6%⁶ 
EV market share during
latest sales quarter

Growing Virginia's Economy and Challenging Global Competitors

Virginia is a prime state for further private investment in electric vehicle and battery manufacturing, as well as charging infrastructure. Companies such as Volvo Trucks, Mack Trucks, Electrify America, and ABB have already made investments in Virginia, stimulating the economy and creating well-paying jobs throughout the state.

Total Investment:
~\$423.8 million⁷

Total Federal Funding:
\$518,549,602⁸

Total Jobs:
2,667⁹

Decades of U.S. deindustrialization and offshoring have contributed to China gaining an early lead in the global race to manufacture EVs, with the country producing 62% of new EVs and 77% of EV batteries in 2022.¹⁰ The United States is now sprinting to catch up. These investments are bolstering American manufacturing and supply chains—critical national and economic security objectives in the United States' race against China to control the future of transportation.

Signature Virginia Electrification Projects¹¹



1

Danville: Microporous, EV battery component manufacturing

2

Danville: RBW Sports & Classics, hand-built electric sports car facility

3

Dublin: Volvo Trucks, EV manufacturing

4

Salem: MACK Trucks, EV manufacturing

5

Troutville: Virginia Transformer, EVSE manufacturing

1: <https://www.eia.gov/dnav//pet/hist/LeafHandler.ashx?n=PET&s=C100020471&f=A>

2: <https://data.coltura.org/ev-savings-index>

3: <https://www.atlasevhub.com/market-data/ev-market-dashboard/>

4: <https://www.atlasevhub.com/materials/ev-charging-deployment/>

5: <https://www.api.org/news-policy-and-issues/blog/2022/05/26/top-numbers-driving-americas-gasoline-demand>; second data point multiplied with state BEV sales found at (3)

6: <https://www.atlasevhub.com/materials/ev-market-dashboard/>

7–9, 11: Climate Power, EV Jobs Hub (Atlas Public Policy), Electrification Coalition

10: <https://itif.org/publications/2024/07/29/how-innovative-is-china-in-the-electric-vehicle-and-battery-industries/>