

Manufacturing the Future of Transportation in Pennsylvania



Significant investments in Pennsylvania-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


Pennsylvania is among the top 10 energy and motor gasoline consumers in the U.S., burning through approximately **3.5 billion gallons** of gas per 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 \$3.62 per gallon for gas and \$0.18 per kWh for electricity, a Pennsylvanian driving 15,000 miles per year would save **\$1,175 annually** by switching to an EV!²

Pennsylvania EV Market Snapshot

70,154³ 
battery electric
vehicle registrations

5,144⁴ 
charging ports

34,305,306⁵ 
estimated gallons of
gas saved per year

7.5%⁶ 
EV market share during
latest sales quarter

Growing Pennsylvania's Economy and Challenging Global Competitors

Home to a significant manufacturing history that predates the automotive industry, Pennsylvania once served as the birthplace of commercial oil production and now has the opportunity to become a major player in the EV and battery supply chain sector. Doing so requires additional investment and workforce development.

Total Investment:
\$284 million⁷

Total Federal Funding:
\$186,870,000⁸

Total Jobs:
685⁹

This doesn't include federal funding just announced as part of a government program to boost electric vehicle production. Harley-Davidson will receive \$89 million to expand a facility in York, Pennsylvania, to make electric motorcycles, and Volvo Group will receive \$208 million to upgrade three manufacturing facilities that supply and build Mack and Volvo-branded heavy-duty trucks. One of them is in Macungie, Pennsylvania.¹⁰

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 2022.¹¹ The United States is now sprinting to catch up. These investments, encouraged by recent changes in tax policy, 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 Pennsylvania Electrification Projects¹²



1

Burgettstown: 6K Additive, metal powder production

2

Macungie: Mack Trucks, EV manufacturing

3

Mercer County: Advanced Power, EV battery manufacturing

4

Pittsburgh: Re:Build Manufacturing, EV battery manufacturing

5

Southwest Pennsylvania: CorePower Magnetics, metals and magnetic component production

5

York: Harley-Davidson, electric motorcycle manufacturing

1: <https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=C100012421&f=A>

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

3: <https://afdc.energy.gov/data/10962>

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 registrations found at (3)

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

7–9, 12: Climate Power, EV Jobs Hub (Atlas Public Policy), Electrification Coalition

10: [https://abcnews.go.com/US/wireStory/biden-awards-17-billion-boost-electric-vehicle-manufacturing-](https://abcnews.go.com/US/wireStory/biden-awards-17-billion-boost-electric-vehicle-manufacturing-111837597#:~:text=WASHINGTON%20%2D%2D%20The%20Biden%20administration.of%20Michigan%2C%20Pennsylvania%20and%20Georgia)

[111837597#:~:text=WASHINGTON%20%2D%2D%20The%20Biden%20administration.of%20Michigan%2C%20Pennsylvania%20and%20Georgia](https://abcnews.go.com/US/wireStory/biden-awards-17-billion-boost-electric-vehicle-manufacturing-111837597#:~:text=WASHINGTON%20%2D%2D%20The%20Biden%20administration.of%20Michigan%2C%20Pennsylvania%20and%20Georgia).

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