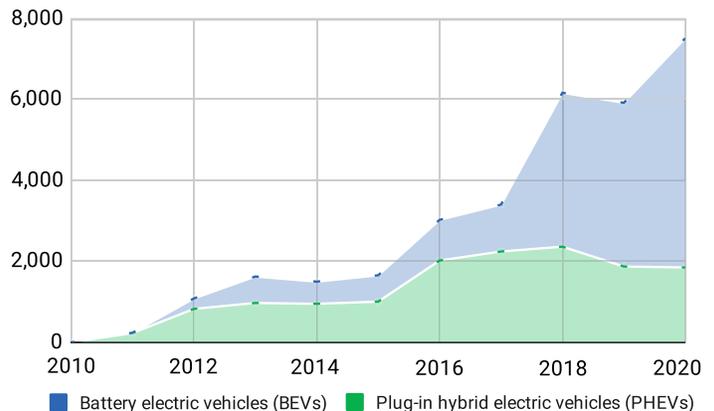


# Electric Vehicle Growth in Pennsylvania

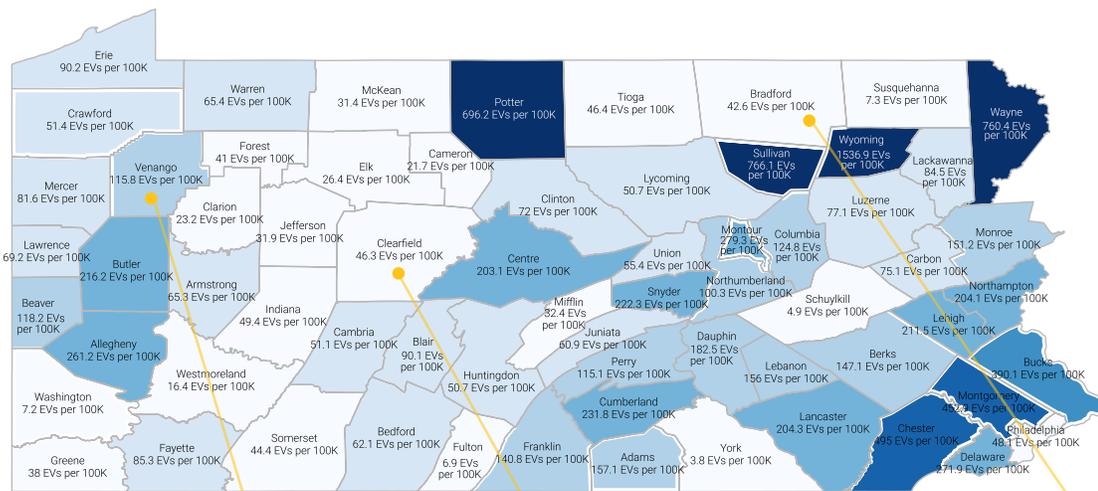


EVs are on the rise in PA with a 151% increase from 11,347 in 2017 to 28,460 in February 2021. Supportive policy can ensure that residents and businesses fully realize the benefits of this market transformation. Proposed legislation targets expanding electrification infrastructure by 50% above the forecast for 2030. This means we need enough infrastructure for 1.8 million EVs by 2030.

PA Electric Vehicle Sales 2010 - 2020

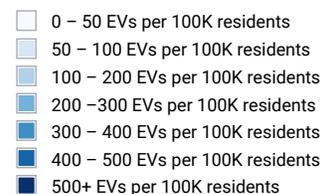


## PA needs EV infrastructure to support EV owners



### The average EV driver:

- Spends 30 minutes in the community when using a fast charger and 70 minutes when using a level 2 charger
- Saves \$6,000-\$10,000 over the life of the vehicle versus a comparable gas-powered vehicle



## EV Stations Support Residents, Workers, and Tourists

### Cornplanter Square

**Location:** Oil City - Venango County  
**Population:** 9,846  
**Median Income:** \$39,750

- Supports workers and visitors
- 1.5 hours north of Pittsburgh
- Charging station installed by Venango County Redevelopment Authority as part of a larger project, also provided parking to commercial tenants in the repurposed Mellon Bank building

### Walmart

**Location:** Dubois - Clearfield County  
**Population:** 7,462  
**Median Income:** \$46,409

- Supports shoppers and tourism
- Off I-80, connects to Central PA's state parks, State College, and points East
- Charging station installed in 2019 through a national Electrify America-Walmart partnership

### Paradise Inn

**Location:** Towanda - Bradford County  
**Population:** 2,842  
**Median Income:** \$40,625

- Supports tourism and recreation
- 1 hour south of the Finger Lakes, 60 miles west of Scranton, along Susquehanna River
- Charging station is an amenity for hotel guests commonly used for work and hunting trips.

# Who benefits from investment in EV?

## TOURISM

# \$46B

spent by 211 million visitors to Pennsylvania in 2019.

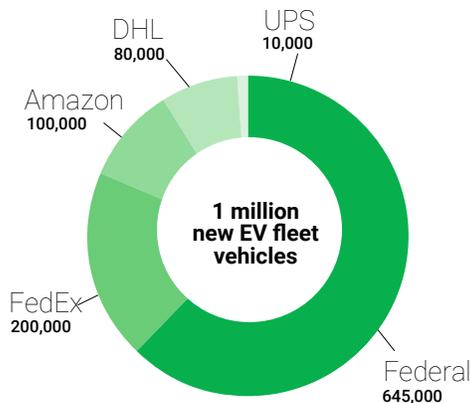
The overnight trips from 75 million out of state visitors account for \$29.3 billion of that spending. This supports 521,100 jobs in PA. Tourism spending has grown 45% from 2009 to 2019.

Pennsylvania currently ranks 41st among all states in DC fast charging EV stations per capita. The lack of a robust EV infrastructure may inhibit the growth of tourism in communities throughout the state.

## FREIGHT & LOGISTICS

The recent commitment to electrify the government fleet of 645,000 vehicles with American made EVs has the potential to create 1 million American auto worker jobs – with the private commitments

from Amazon, DHL, FedEx and UPS to replace 1 million trucks with net-zero emissions vehicles. This commitment presents an opportunity for the EV Manufacturing sector in Pennsylvania, but it also means that a robust EV infrastructure system will soon be vital to the daily lives and success of all Pennsylvania residents and businesses.



## MACK: MADE IN PA

In September 2020, Mack Trucks announced plans to manufacture the Mack® LR Electric at Mack's Lehigh Valley Operations (LVO) in Macungie, Pennsylvania, where all heavy-duty Mack trucks built for North America are assembled. This revolutionary refuse truck has a fully electric integrated Mack drivetrain. This presents an opportunity for EV Manufacturing suppliers throughout Pennsylvania.

## MANUFACTURING

Advanced Energy Economy estimated that EV Manufacturing in Pennsylvania supported 4,400 jobs in 2019, as many jobs as natural gas extraction. This added more than \$430 million in gross state product comparable to sporting goods stores in the state. The report identified 151 EV Manufacturing suppliers (see samples below), and an additional 540+ companies that could be retooled for the EV supply chain.

- Eaton
- LORD Corporation
- Accurate Control & Design Co.
- Siemens
- Mars Electric Inc.
- Mitsubishi Electric Power Products
- Choctaw Kaul
- Momentum Dynamics
- DURYEА Technologies
- Morgan Advanced Materials
- Burns Industrial Equipment
- Clipper Creek
- ABB
- Vivint Solar
- C.H. Waltz Sons Inc.
- Lion Electric Company

# ↑24%

projected job growth

EV manufacturing supply chain jobs are projected to grow 24% between 2019 and 2024, compared with 3% growth across statewide employment over the same timeframe.

# 4,400 jobs

EV manufacturing jobs in 2019 that paid **+\$20/hour**. Growing to **5,500 jobs** by 2024.

## CONSTRUCTION

To support this growth, the state will need nearly 180,000 non-residential Level 2 charging plugs and nearly 4,500 public DC Fast Charging plugs.

# 6,484 jobs

Construction Jobs to build the infrastructure to support 1.8 million EVs by 2030

