

TRANSPORTATION ELECTRIFICATION IN THE SOUTHEAST

North Carolina

North Carolina Electric Transportation Indicators as of December 31, 2023



MANUFACTURING EMPLOYMENT

#2 in region

- Anticipated jobs: 14,879
- 41% annual growth



SALES

#3 in region in market share
#22 in nation in market share

- Cumulative sales: 85,710
- 54% annual growth
- Q4 2023 EV market share: 7.4%



UTILITY INVESTMENT

- Approved: \$24.7 million
- No annual growth



MANUFACTURING INVESTMENT

#2 in region

- Investment: \$18.6 billion
- 133% annual growth



CHARGING

#3 in region per capita
#25 in nation per capita

- Fast Chargers: 992 ports
- Level 2 Ports: 2,855 ports
- 44% annual growth in total ports



PUBLIC FUNDING

#2 in region per capita

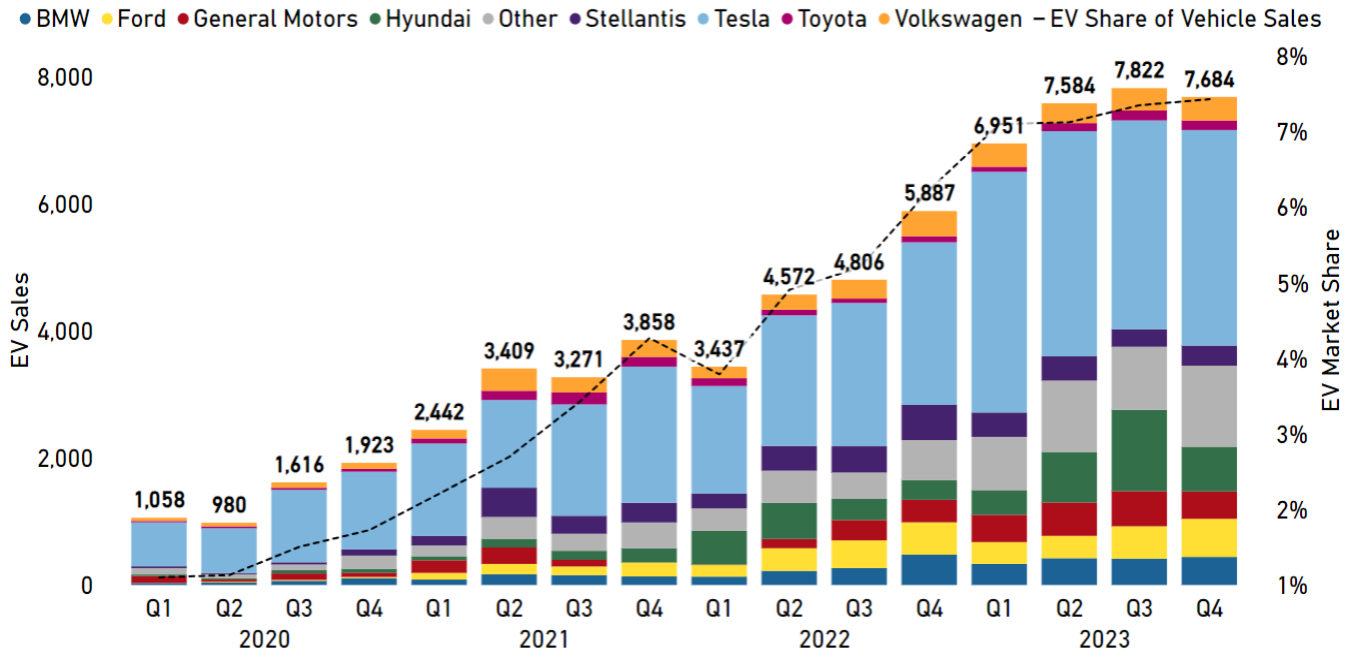
- Approved: \$251.9 million
- Public funding per capita: \$10.25

All measures include medium- and heavy-duty electric vehicles (EVs), except for sales, which refers exclusively to new passenger EVs. EVs include both battery EVs and plug-in hybrid EVs. Manufacturing Employment and Manufacturing Investment refers to announced investments in EV assembly, EV parts, EV charging infrastructure, batteries, and battery recycling facilities. Charging deployment is for publicly accessible chargers, and rankings and growth include Level 2 and fast chargers. Utility Investment refers to investor-owned utilities only. Totals are cumulative unless stated. Rankings are for all time, except for market share which is taken for the past 12 months. Data is through December 2023 and growth is taken from January 1, 2023 to December 31, 2023. Source: [Atlas EV Hub](#) and [EV Jobs Hub](#)

North Carolina Highlights in 2023

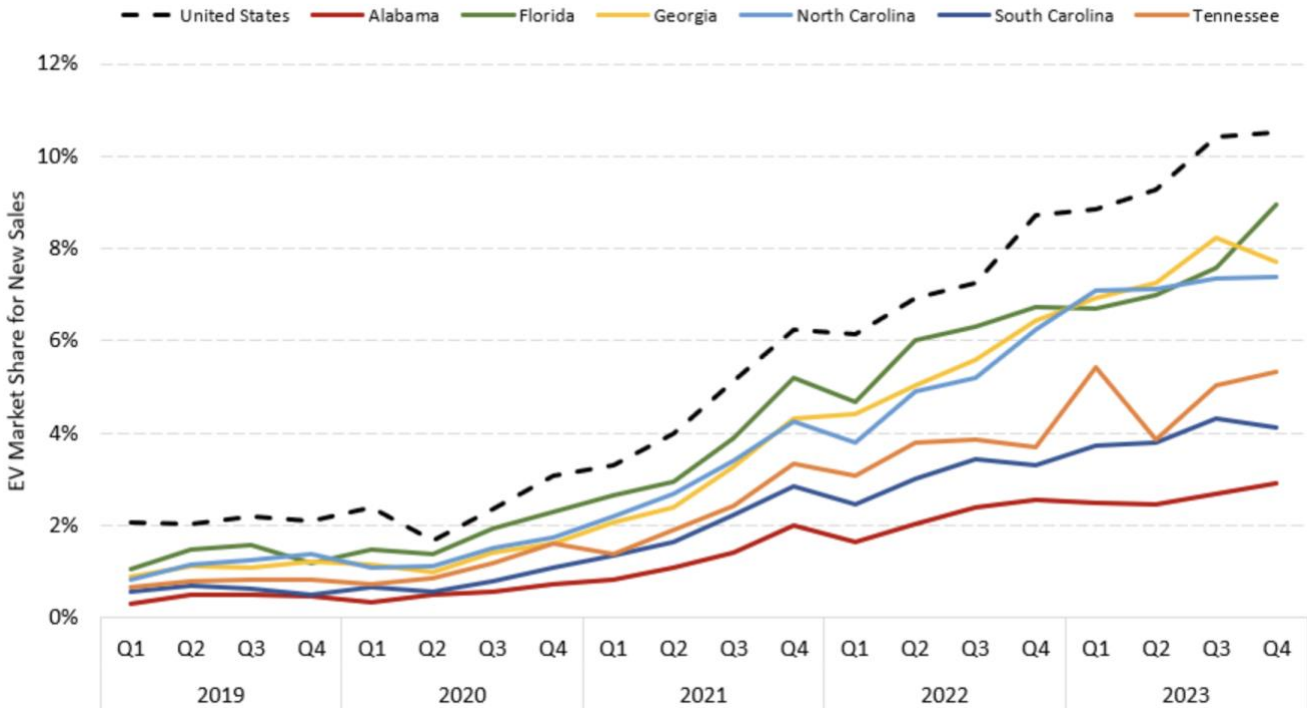
- Duke Energy, in collaboration with General Motors, Ford, and BMW, launched an [EV Complete Home Charging Plan](#) to pilot managed charging to address peak loads and balance grid demand.
- The state Utilities Commission approved [Duke Energy's Charger Solution Program](#), which allows customers to rent charging equipment for a monthly fee, avoiding upfront costs.
- The North Carolina Legislature [passed a bill increasing the annual road-use tax](#) on pure battery EVs from \$140 to \$180 and created a new \$90 annual tax on plug-in EVs.

Light-Duty EV Sales and Market Share in North Carolina



Source: [Atlas EV Hub](#) for the Southern Alliance for Clean Energy

Southeast Light-Duty EV Market Share (Percentage of New Sales)



Source: [Atlas EV Hub](#) for the Southern Alliance for Clean Energy



This data is an update to the *“Transportation Electrification in the Southeast” 2023 report* developed by Atlas Public Policy and the Southern Alliance for Clean Energy (SACE).