



# Who We Are: Southern Alliance for Clean Energy







# AGENDA

Overview of state of electrification

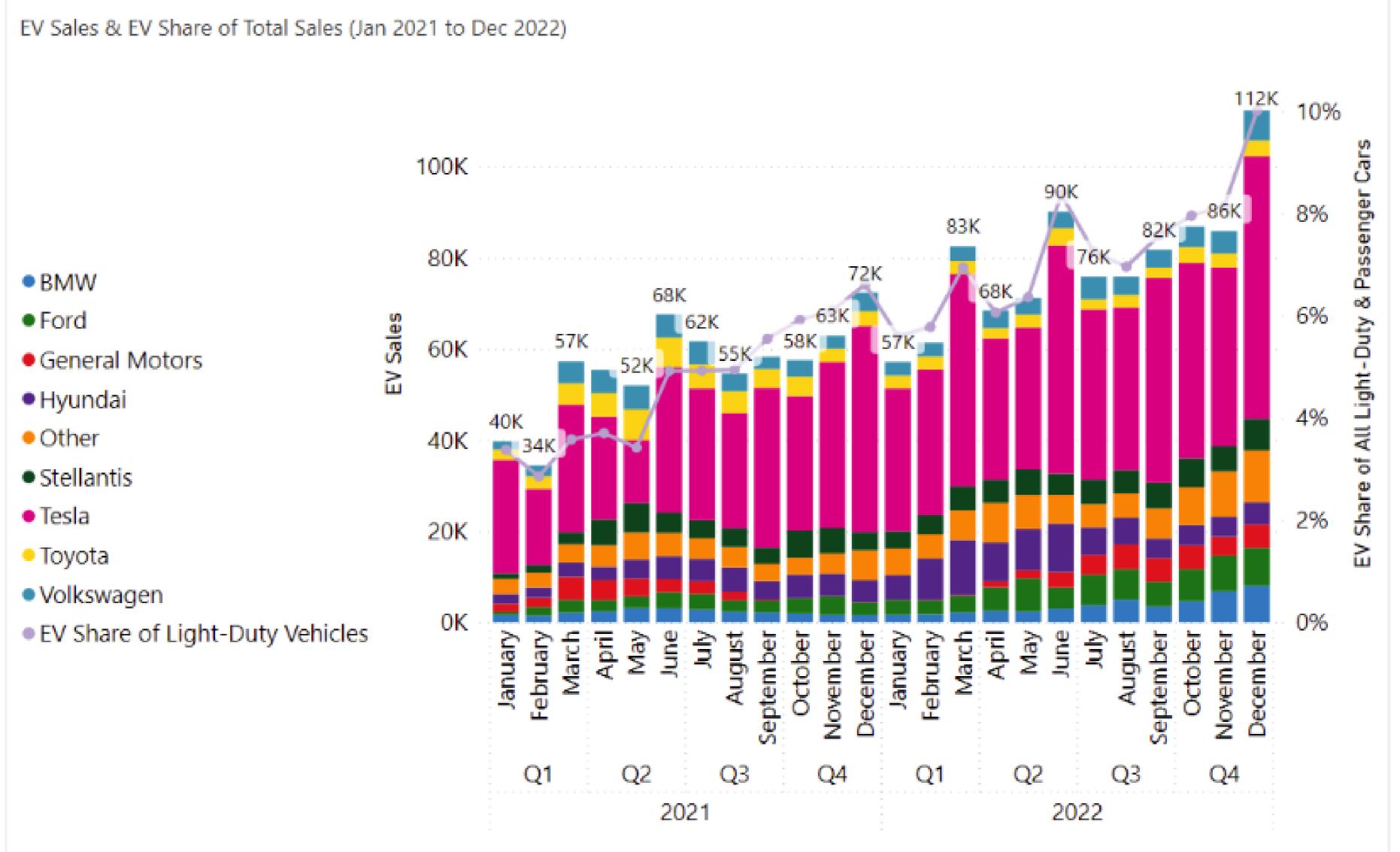
Regional indicators

State of the States

Q and A



# US EV SALES



Source: EV Hub - Automakers

# Models and Trends

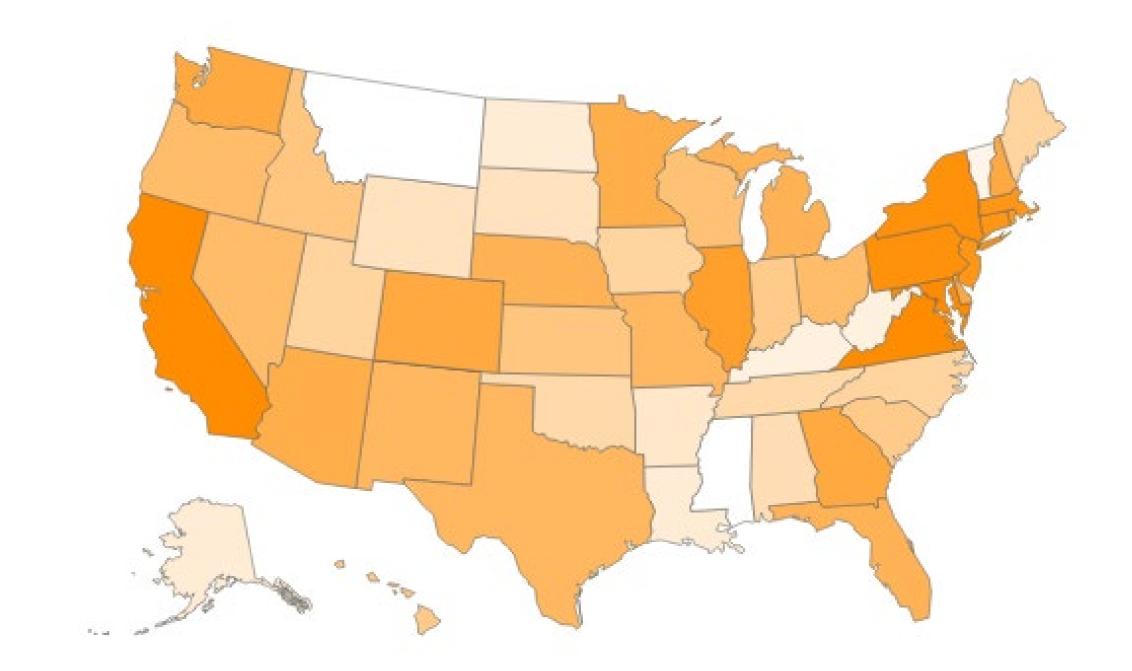
State EV Models Offered for Sale

69 models sold today

42 new models on the way

234 average mile range

\$904B in global investment \$220B targeted for the US



Source: Atlas Public Policy

Source: EV Hub - Automakers



#### **EMPLOYMENT**



• Jobs: 53,779

• 121% growth



#### INVESTMENT

• Investment: \$54.6 billion

128% growth

#### **SALES**



• 5.8% market share in Q4 2022

• Cumulative sales: 382,657

• 49% growth



CHARGING

• L2: 14,969 ports

• DCFC: 5,056 ports

• 34% growth in total ports



#### **UTILITY INVESTMENT**

• Approved: \$335.7 million

• <1% growth



#### **PUBLIC FUNDING**

• Approved: \$1.7 billion

• Public funding per capita: \$28.87

All measures include medium- and heavy-duty EVs, except for sales which refers exclusively to passenger EVs. EV includes both battery EVs (BEV) and Plug-in Hybrid EVs (PHEV). Employment and Investment refers to EV manufacturing facilities including EV charging, EV assembly, battery manufacturing and battery recycling facilities. Total is cumulative unless stated. Data is through December 2022 and growth is taken from January 1 to December 31, 2022. Source: Atlas EV Hub

# REGIONAL END OF 2022 TAKEAWAYS

Southeast represents 18% of the national population

Southeast is 34.4% of the EV jobs nationally

53,779 EV jobs in the Southeast

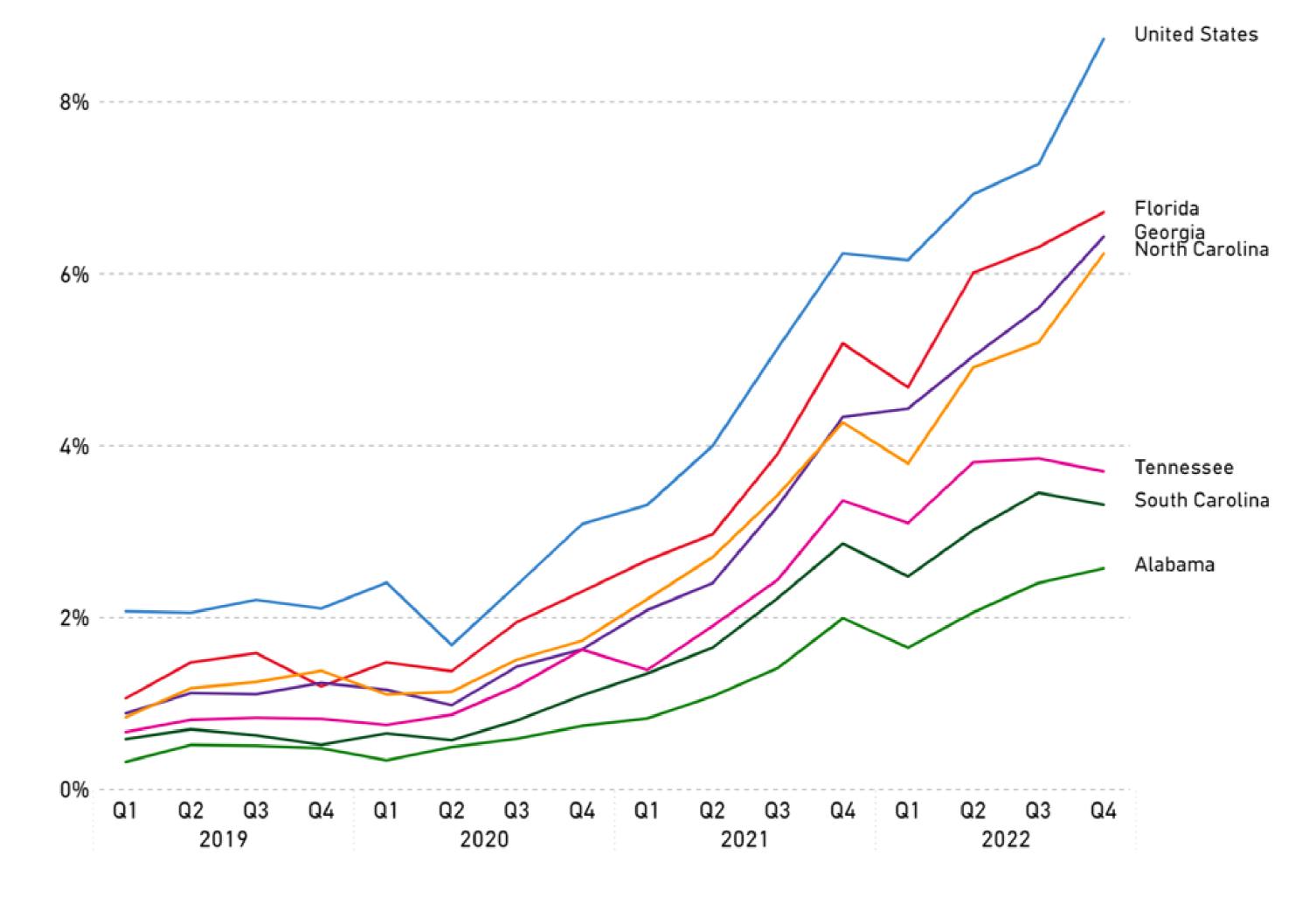
Southeast represents 42% of EV investment nationally

\$54.55 billion pledged for EV manufacturing



#### Figure 3: EV Light Duty Vehicle Market Share

# LIGHT DUTY VEHICLE MARKET SHARE

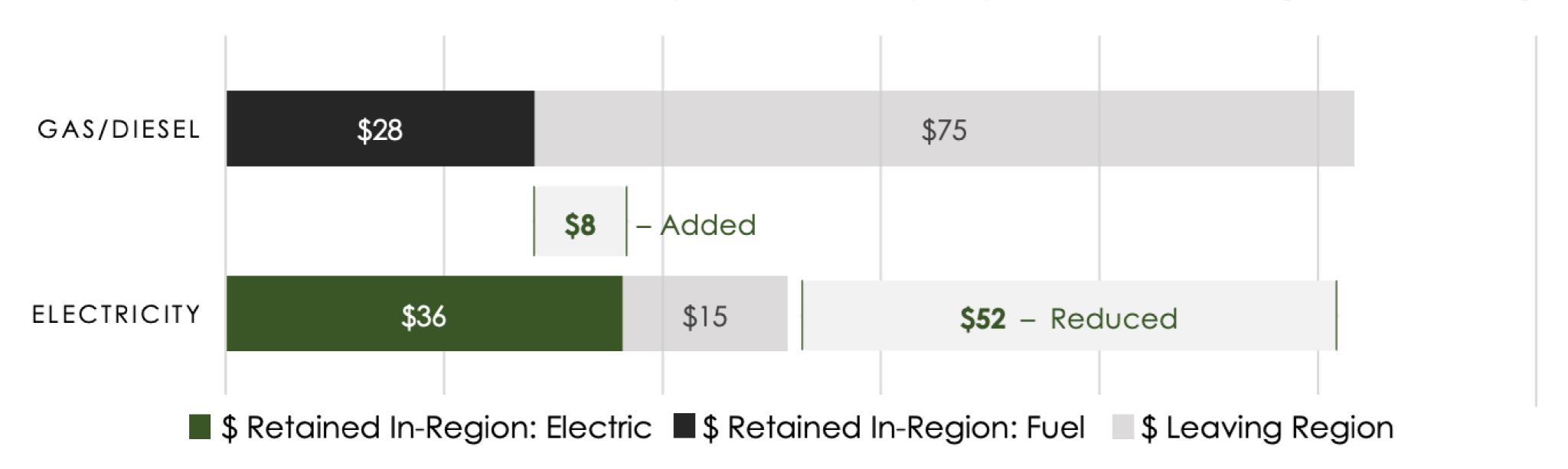


This figure depicts EV sales as a percentage of light-duty vehicle sales from 2019 to December 2022. EV includes both BEV and PHEV sales. Source: Atlas EV Hub.



# RETAINED TRANSPORTATION FUEL SPENDING IN THE SOUTHEAST

Expenditures Retained In Southeast Region vs. Leaving Region, by Fuel Type (Billions \$, 2021)



RETAINED TRANSPORTATION FUEL SPENDING IN THE SOUTHEAST



# NEVI FORMULA PROGRAM FUNDS

State	FY 2022 (Pending Approval of State Plan)	Total Program Funding (Estimated)
ALABAMA	\$11,738,801	\$79,308,285
FLORIDA	\$29,315,442	\$198,057,481
GEORGIA	\$19,978,342	\$134,975,283
NORTH CAROLINA	\$16,137,196	\$109,024,196
SOUTH CAROLINA	\$10,360,855	\$69,998,769
TENNESSEE	\$13,074,884	\$88,334,969
TOTAL	\$100,605,520	\$679,698,983

# EPA Clean School Bus Rebate Funding 2022

State	Total Funding 2022 Rebate
Alabama	\$20,540,000
Florida	\$15,800,000
Georgia	\$50,825,000
North Carolina	\$12,245,000
South Carolina	\$64,780,000
Tennessee	\$16,800,000
TOTAL	\$180,990,000



# TENNESSEE:

Figure 1: Tennessee EV Indicators as of December 31, 2022



#### **EMPLOYMENT**

#2 in Region per capita Jobs: 12,781 23% growth



#### INVESTMENT

#1 in Region per capita Investment: \$16.9 billion 31% growth



#### **SALES**

#4 in Region in market share 3.7% market share in Q4 2022 Cumulative sales: 25,752 46% growth



#### **CHARGING**

#4 in Region per capita DCFC Ports: 330 ports L2 Ports: 1,465 ports 22% growth in total ports



### UTILITY INVESTMENT



#### **PUBLIC FUNDING**

**#2 in Region per capita**Approved: \$232.1 million
Public funding per capita: \$34.63

All measures include medium- and heavy-duty EVs, except for sales which refers exclusively to passenger EVs. EV includes both battery EVs (BEV) and Plug-in Hybrid EVs (PHEV). Employment and Investment refers to EV manufacturing facilities including EV charging, EV assembly, battery manufacturing and battery recycling facilities. Total is cumulative unless stated. Rankings are cumulative. Data is through December 2022 and growth is taken from January 1 to December 31, 2022. Source: Atlas EV Hub

# Tennessee Highlights in Q3 and Q4 2022

Series of large EV manufacturing announcements in the state including LG, GM and Microvast totaling nearly 2,000 anticipated jobs.

# NORTH CAROLINA:

Figure 1: North Carolina EV Indicators as of December 31, 2022

#### **EMPLOYMENT**

#### #3 in Region per capita

• Jobs: 10,447 • 386% growth

#### **SALES**



#### #3 in Region in market share

- 6.2% market share in Q4 2022
- Cumulative sales: 55,669
- 51% growth

#### **UTILITY INVESTMENT**

- \$24.7 million
- 2% growth

#### INVESTMENT

#### #4 in Region per capita

• Investment: \$7.8 billion • 484% growth

#### **CHARGING**



#### #3 in Region per capita

- DCFC Ports: 910 ports
- L2 Ports: 2,554 ports
- 31% growth in total ports

#### **PUBLIC FUNDING**



#3 in Region per capita

- Approved: \$325.7 million
- Public funding per capita: \$31.73

All measures include medium- and heavy-duty EVs, except for sales which refers exclusively to passenger EVs. EV includes both battery EVs (BEV) and Plug-in Hybrid EVs (PHEV). Employment and Investment refers to EV manufacturing facilities including EV charging, EV assembly, battery manufacturing and battery recycling facilities. Total is cumulative unless stated. Rankings are cumulative. Data is through December 2022 and growth is taken from January 1 to December 31, 2022. Source: Atlas EV Hub

# North Carolina Highlights in Q3 and Q4 2022

Governor Roy Cooper signed Executive Order 271

Charlotte EV-Ready code in August 2022

NC Department of Transportation initiated its National EV Infrastructure (NEVI) stakeholder engagement



# SOUTH CAROLINA:

Figure 1: South Carolina EV Indicators as of December 31, 2022



#### **EMPLOYMENT**

#4 in Region per capita Jobs: 4,205 436% growth



#### INVESTMENT

#3 in Region per capita Investment: \$7.1 billion 783% growth



#### **SALES**

**#5 in Region in market share** 3.3% market share in Q4 2022 Cumulative sales: 16,032 55% growth



#### **CHARGING**

#5 in Region per capita DCFC Ports: 338 ports L2 Ports: 798 ports 24% growth in total ports



#### **UTILITY INVESTMENT**

\$8.8 million No change



#### **PUBLIC FUNDING**

**#1 in Region per capita**Approved: \$186.5 million
Public funding per capita: \$37.15

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# South Carolina Highlights in Q3 and Q4 2022

Governor Henry McMaster signed Executive Order 2022-31

Third largest outlay of funding nationally for the EPA Clean School Bus Program

Series of large EV manufacturing announcements in the state including from Redwood Materials, BMW, AESC totaling 3,420 anticipated jobs.



# GEORGIA:

Figure 1: Georgia EV Indicators as of December 31, 2022



#### **EMPLOYMENT**

#1 in Region per capita Jobs: 24,174 139% growth



#### INVESTMENT

#2 in Region per capita Investment: \$19.9 billion 161% growth



#### **SALES**

#2 in Region in market share 6.4% market share in Q4 2022 Cumulative sales: 79,638 37% growth



#### CHARGING

#1 in Region per capita DCFC Ports: 1,056 ports L2 Ports: 3,381 ports 29% growth in total ports



#### **UTILITY INVESTMENT**

\$24 million No change



#### **PUBLIC FUNDING**

**#4 in Region per capita**Approved: \$276.9 million
Public funding per capita: \$26.61

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## Georgia Highlights in Q3 and Q4 2022

The Georgia Legislature's Joint Study Committee on the Electrification of Transportation

Series of large EV manufacturing announcements including Hyundai/SK Innovation and FREYR Battery totaling more than 5,800 anticipated jobs.

# FLORIDA:

Figure 1: Florida EV Indicators as of December 31, 2022



# **EMPLOYMENT**#6 in Region per capita

Jobs: 314 No change



#### INVESTMENT

#6 in Region per capita Investment: \$216 million No change



#### **SALES**

#1 in Region in market share 6.7% market share in Q4 2022 Cumulative sales: 194,887 54% growth



#### **CHARGING**

#2 in Region per capita
DCFC Ports: 2,146 ports
L2 Ports: 6,166 ports
43% growth in total ports



#### **UTILITY INVESTMENT**

\$278.2 million No change



#### PUBLIC FUNDING

#6 in Region per capita
Approved: \$528.2 million
Public funding per capita: \$25.28

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## Florida Highlights in Q3 and Q4 2022

Florida leads the region in EV market share with 6.7 percent market share in Q4 2022.

Florida awarded \$172.7 million for electric buses in the second half of 2022 through the VW Settlement, Bus and Bus Facilities Program, Clean School Bus Program, and the Low-No Program.

# ALABAMA:

Figure 1: Alabama EV Indicators as of December 31, 2022

#### **EMPLOYMENT**

#### #5 in Region per capita

• Jobs: 1,858 • 174% growth

#### **SALES**



#### #6 in Region in market share

- 2.1% market share in Q4 2022
- Cumulative sales: 10,679
- 44% growth

• 157% growth

**INVESTMENT** 

#5 in Region per capita

• Investment: \$2.6 billion

#### **CHARGING**



#6 in Region per capita

- DCFC Ports: 286 ports
- L2 Ports: 617 ports
- 33% growth in total ports

#### **UTILITY INVESTMENT**





#### **PUBLIC FUNDING**

#5 in Region per capita

- Approved: \$129.6 million
- Public funding per capita: \$26.58

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## Alabama Highlights in Q3 and Q4 2022

\$20.54 million outlay of funding for the EPA Clean School Bus Program



# LOCAL GOVERNMENTS ARE KEY TO EV ADOPTION ELECTRIC TOOLKIT PROVIDES ROADMAP



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# **Electric Transportation Toolkit**

FOR LOCAL GOVERNMENTS TO ACCELERATE ELECTRIC VEHICLE ADOPTION

Electric vehicles save money by reducing operating costs, while improving public health, and addressing climate change by drastically reducing emissions. Today, there are light, medium, and heavy-duty electric vehicle (EV) options for fleets and consumers.

The Electrify the South Toolkit makes it easier for decision-makers to identify cost-effective, sustainable, and equitable solutions and successful strategies to accelerate electric transportation. The Toolkit curates best-practice local government EV policies and actions from around the country with links to real-world examples. If you need a better understanding of the technology and terminology, we recommend you start here first.

The Toolkit is a living document that is updated biannually to keep pace with the rapidly expanding EV market. Latest update: April 6, 2022. If you would like to print this document, please click here.

https://www.electrifythesouth.org/toolkit



# Dory Larsen

Email: <a href="mailto:dory@cleanenergy.org">dory@cleanenergy.org</a>

Cell: 727-410-4804



# QUESTIONS + STAY CONNECTED

# ElectrifyTheSouth.org

Monthly newsletters, electric vehicle actions, EV blogs for new and established drivers, and more!

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