



Small Business FORUM & EXPO

July 11-12, 2023 | New Orleans Marriott | New Orleans, Louisiana

AMERICAN CLEAN ENERGY POWERED BY SMALL BUSINESSES



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Electric Vehicle Charging Infrastructure 101 Roundtable Discussion & Networking Session

July 12, 2023



Joint Office of
**Energy and
Transportation**

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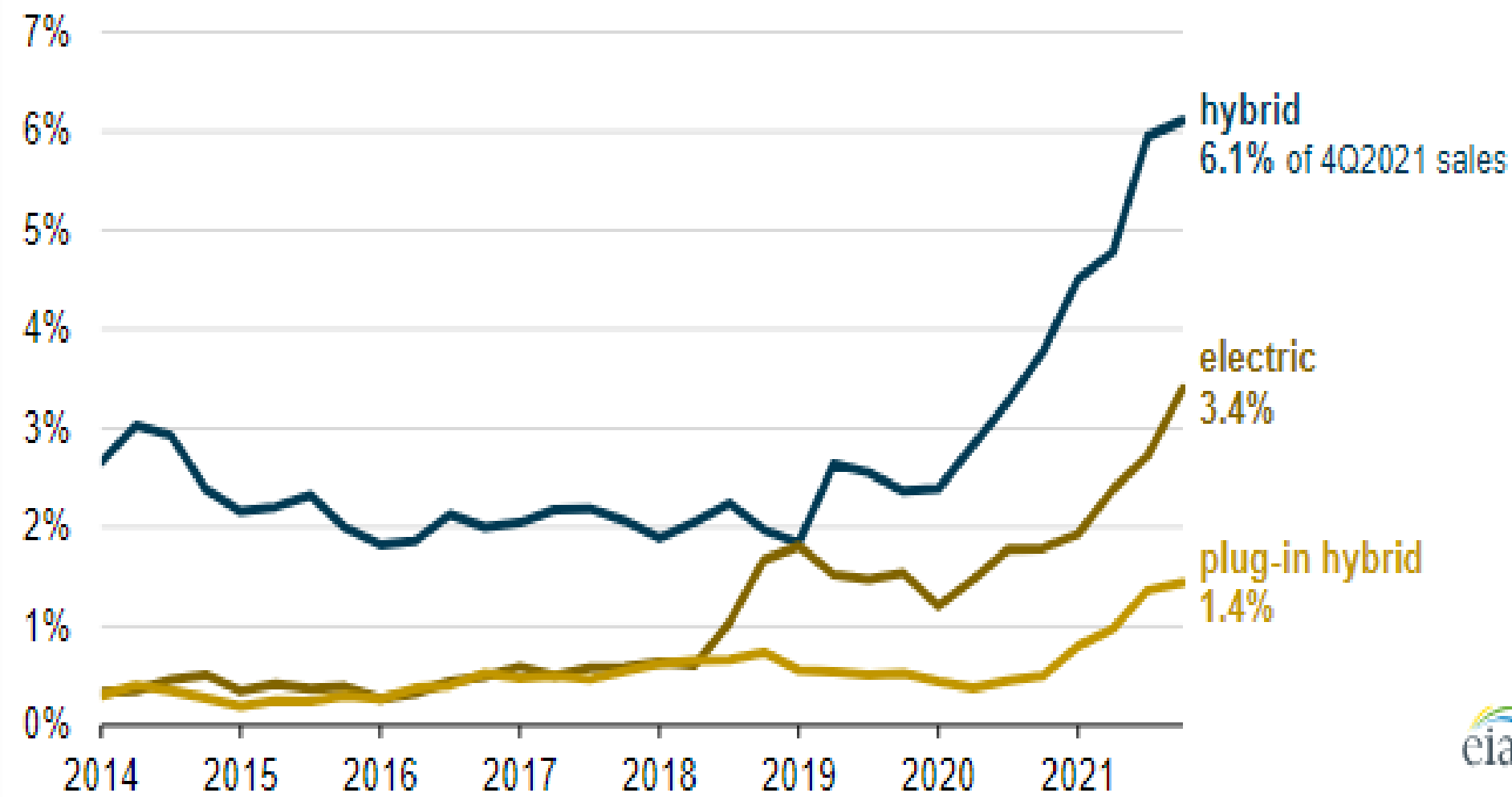
Electric car sales in the United States increased from a mere 0.2 percent of total car sales in 2011 to 4.6 percent in 2021

Demand for electric cars is booming, with sales expected to leap 35% this year after a record-breaking 2022

US: All-Electric Car Sales Increased In Q1 2023

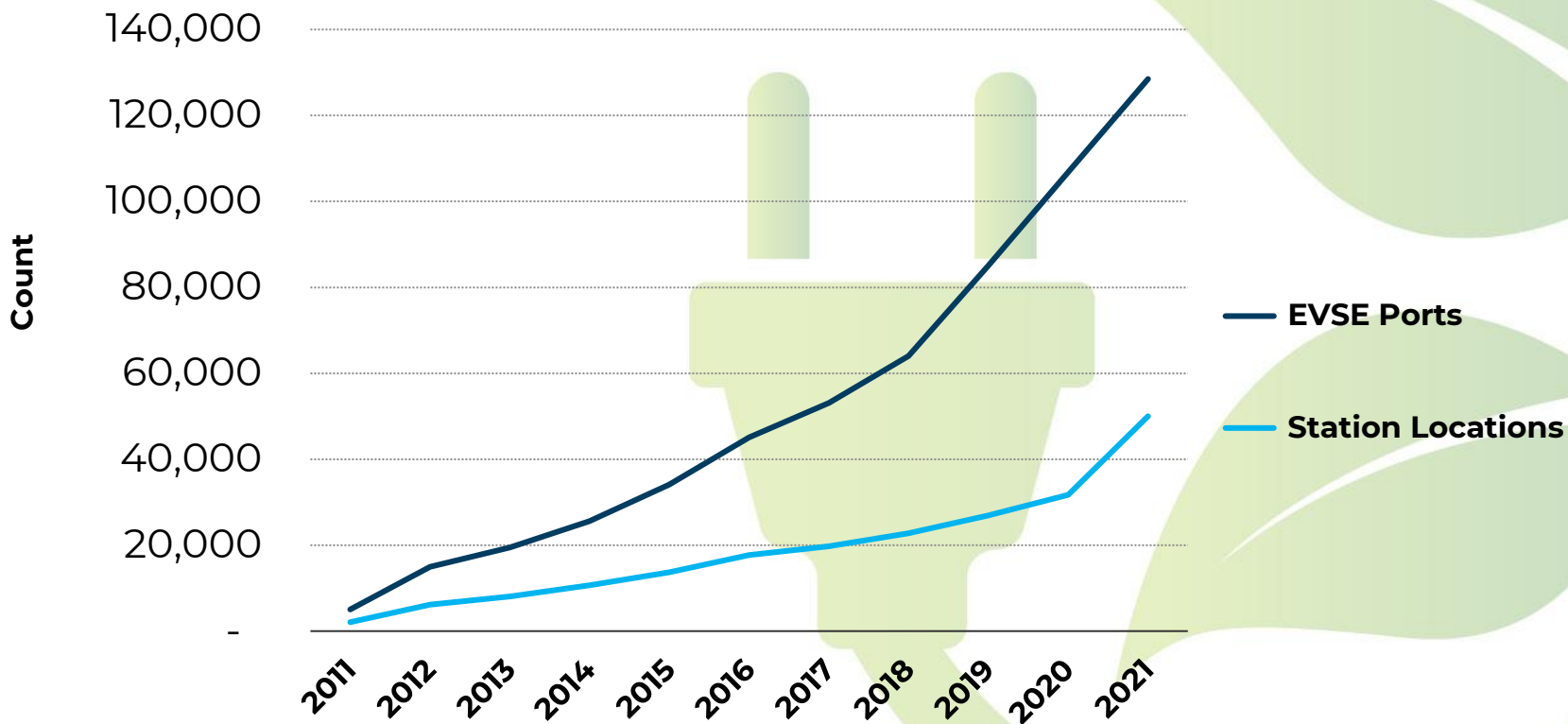
Quarterly light-duty vehicle sales by powertrain (2014–2021)

percentage of total



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U.S. Public and Private Electric Vehicle Charging Infrastructure from 2011-2022



Source: DOE AFDC, Electric Vehicle Charging Infrastructure Trends

energy.gov/DOEForum

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Mission and Vision



Mission

To accelerate an electrified transportation system that is affordable, convenient, equitable, reliable, and safe.

Vision

A future where everyone can ride and drive electric.



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**Energy and
Transportation**

Areas of Emphasis

1) **technical assistance of vehicle charging**

- 2) data sharing
- 3) performance of a national and regionalized study vehicle charging
- 4) training and certification programs
- 5) a program to promote renewable energy generation, storage, and grid integration
- 6) transmission pilots in the rights-of-way
- 7) research, strategies, and actions to mitigate the effects of climate change
- 8) development of a streamlined utility accommodations policy for transmission in the transportation right-of-way
- 9) any other issues that the Secretary of Transportation and the Secretary of Energy identify as issues of joint interest

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BIL Programs Supported

The Joint Office provides unifying **guidance, technical assistance, and analysis** to support the following programs:



National Electric Vehicle Infrastructure (NEVI) Formula Program (U.S. DOT)

\$5 billion for states to build a national electric vehicle (EV) charging network along corridors



Charging & Fueling Infrastructure Discretionary Grant Program (U.S. DOT)

\$2.5 billion in community and corridor grants for EV charging, as well as hydrogen, natural gas, and propane fueling infrastructure



Low-No Emissions Grants Program for Transit (U.S. DOT)

\$5.6 billion in support of low- and no-emission transit bus deployments



Clean School Bus Program (U.S. EPA)

\$5 billion in support of electric school bus deployments

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NEVI Formula Program— Guidance

- **EV charging infrastructure:**
 - Installed **every 50 miles** along the state's portions of the interstate highway system **within 1 travel mile of the interstate**, unless a discretionary exception has been granted
 - Includes **at least four 150kW DC fast chargers with Combined Charging System (CCS) ports** capable of simultaneously charging four EVs
 - Has minimum station power capability **at or above 600kW and supports at least 150kW per port simultaneously across four ports for charging**
- **Requires approved state EV deployment plan**

Critical Activities Covered by NEVI Funding

- **Community outreach and participation**
- **Data sharing** about EV charging infrastructure to ensure the long-term success of investments
- **Mapping and analysis activities**, including **identifying disadvantaged communities**
- **Workforce development activities** that are directly related to the charging of an electric vehicle.
- Updating existing EV charging stations to meet **Americans with Disabilities Act (ADA)** requirements

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CFI Program

\$700M in FY22 and FY23 funding now available!

\$500M will be available in FY2020

Program is divided into two distinct **\$1.25 billion grant programs:**

- **Corridor** Grant Program
- **Community** Grant Program

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Opportunities for SDBs or DBEs

FHWA NEVI grant:

- Formula grant program to state DOTs; Year 2 plans likely due late summer 2023
- MBEs should apply to state RFPs or partner with firms that might apply
- State DOTs are currently releasing their RFPs
- NEVI was not designated as a DBE program by Congress
- State plans available here: <https://driveelectric.gov/state-plans/>

FHWA CFI grant (FY 2024, \$500 million)

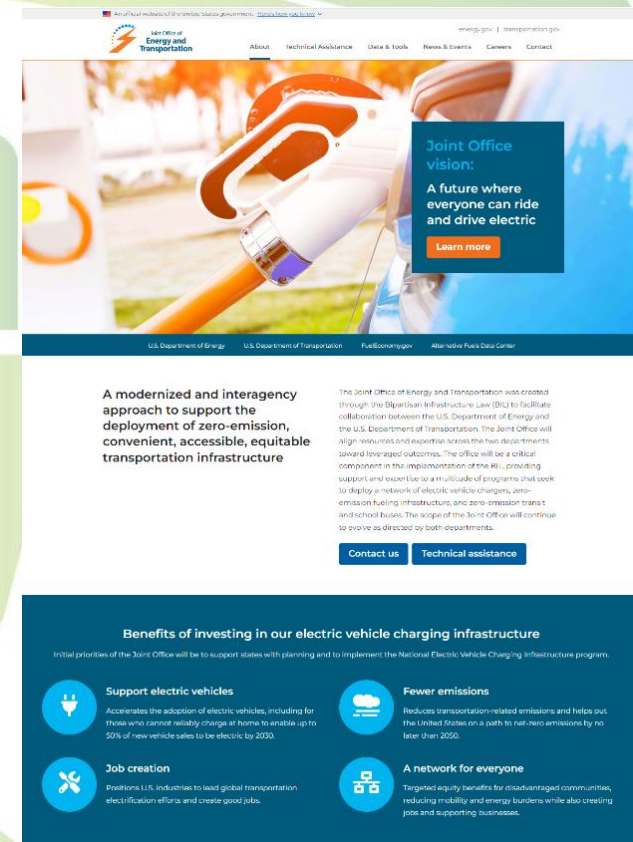
- US DOT will prioritize Highly Recommended & Recommended projects
- Criteria #4 “promote local inclusive economic development and entrepreneurship such as the utilization of Disadvantaged Business Enterprises, Minority-owned Businesses, Women-owned Businesses, or 8(a) firms”
- <https://www.fhwa.dot.gov/environment/cfi/>

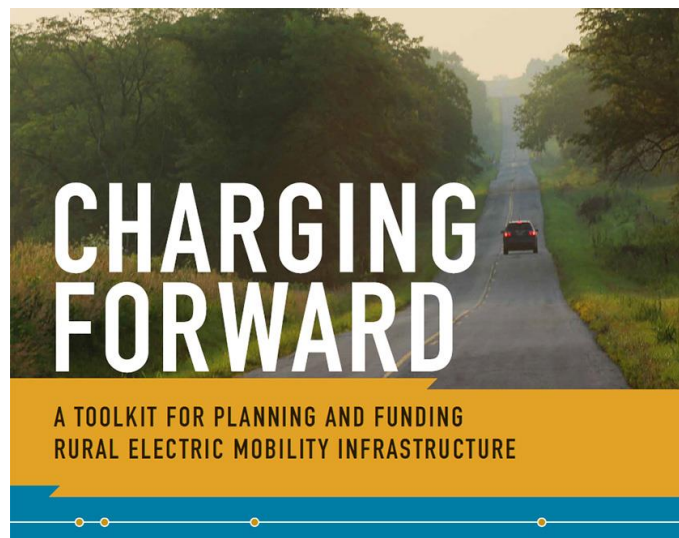
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DriveElectric.gov

Website connects state DOTs and other stakeholders to resources, including:

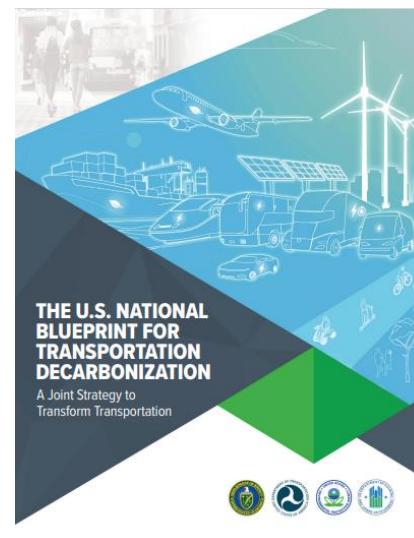
- [Webinar: Building Justice40 and Equity Considerations into State Plans](#) (Joint Office)
- [National Electric Vehicle Infrastructure \(NEVI\) Formula Program Q&A](#) (FHWA)
- [Electric Vehicle Charging Justice40 Map](#) (Joint Office, DOE, DOT)
- [NEVI Program Guidance](#)
- Tribal Engagement Resources
- [Job announcements](#)





National Electric Vehicle Infrastructure Formula Program

ANNUAL REPORT | Plan Year 2022–2023



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Questions & Assistance

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