



Joint Office of
**Energy and
Transportation**

Building a Future Where Everyone Can Ride and Drive Electric

Gabe Klein

Metropolitan Washington Council of Governments Board

September 13th, 2023

driveelectric.gov

Agenda

- **Federal** Approach to Decarbonize Transportation Overview
- **Joint Office** Overview and Priorities
- **Joint Office** Status Updates
- **What's Next** for the Joint Office

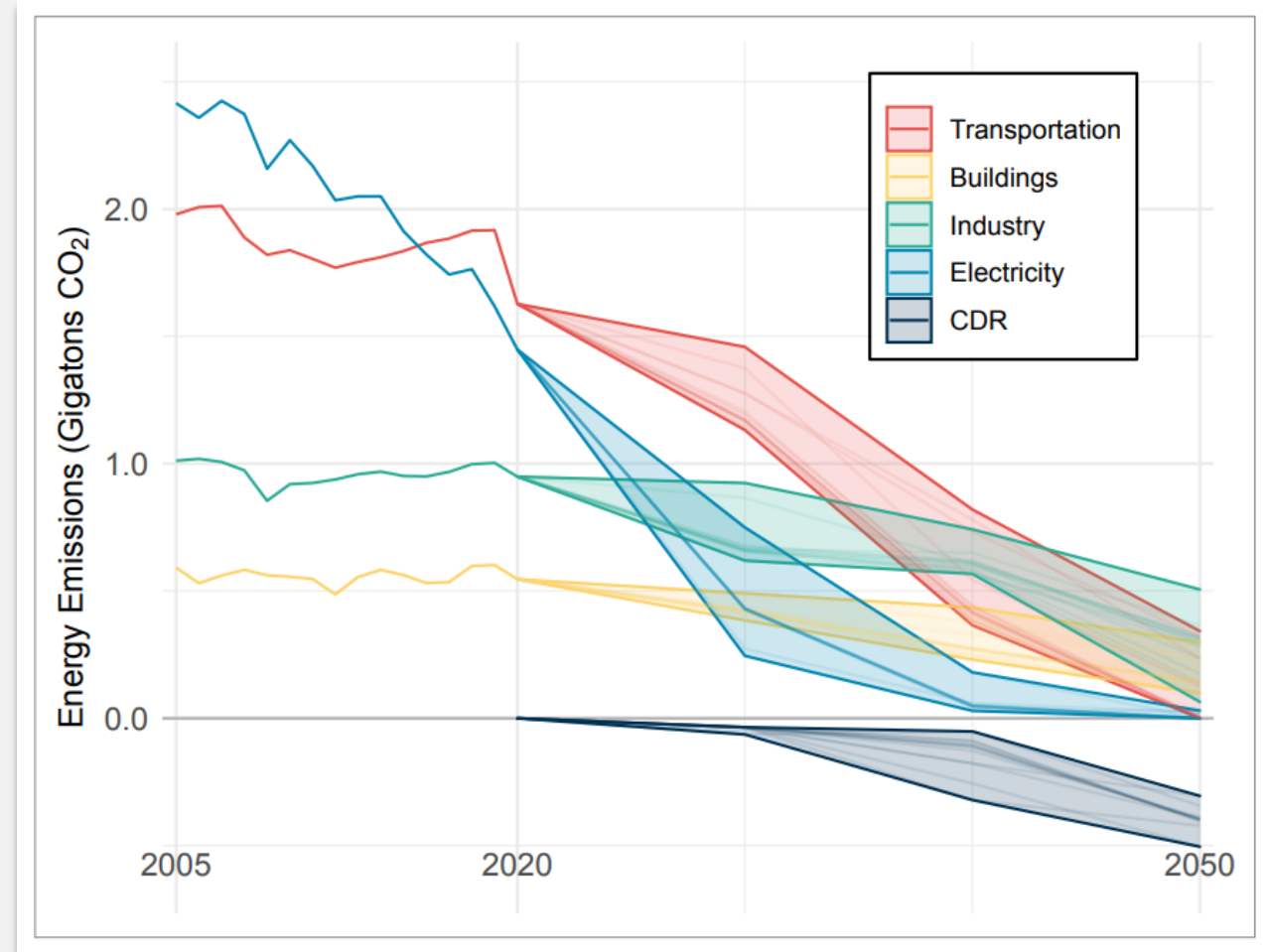




Federal Approach Overview

U.S. Energy CO2 Emissions to 2050 by Economic Sector

- Transportation is the highest emitting sector
- Requires dramatic emission reduction to reach 2050 net zero goal



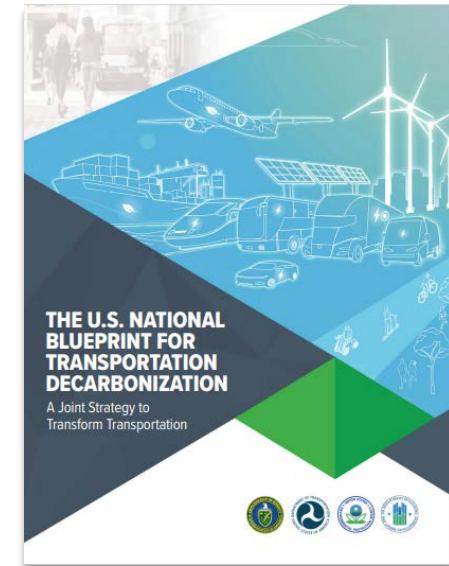
*Source: U.S Department of State and Executive Office of the President
November 2021*

U.S. National Blueprint for Transportation Decarbonization

Goal:

- Reduce greenhouse gas emissions associated with the transportation sector by 2050 and ensure resilient and accessible mobility options for all Americans

Partners:



2019 U.S. GHG EMISSIONS

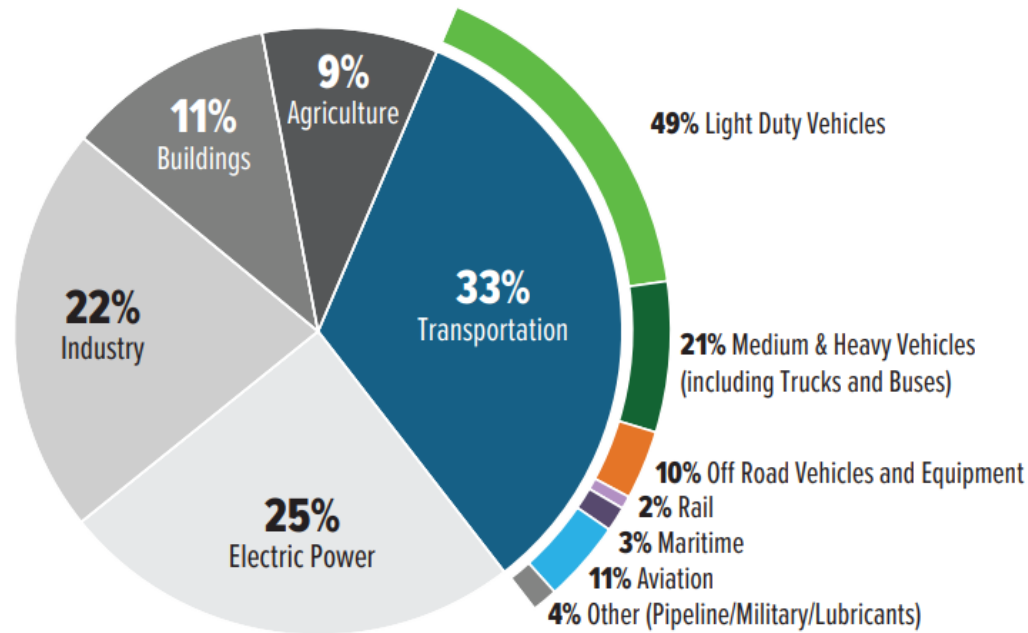


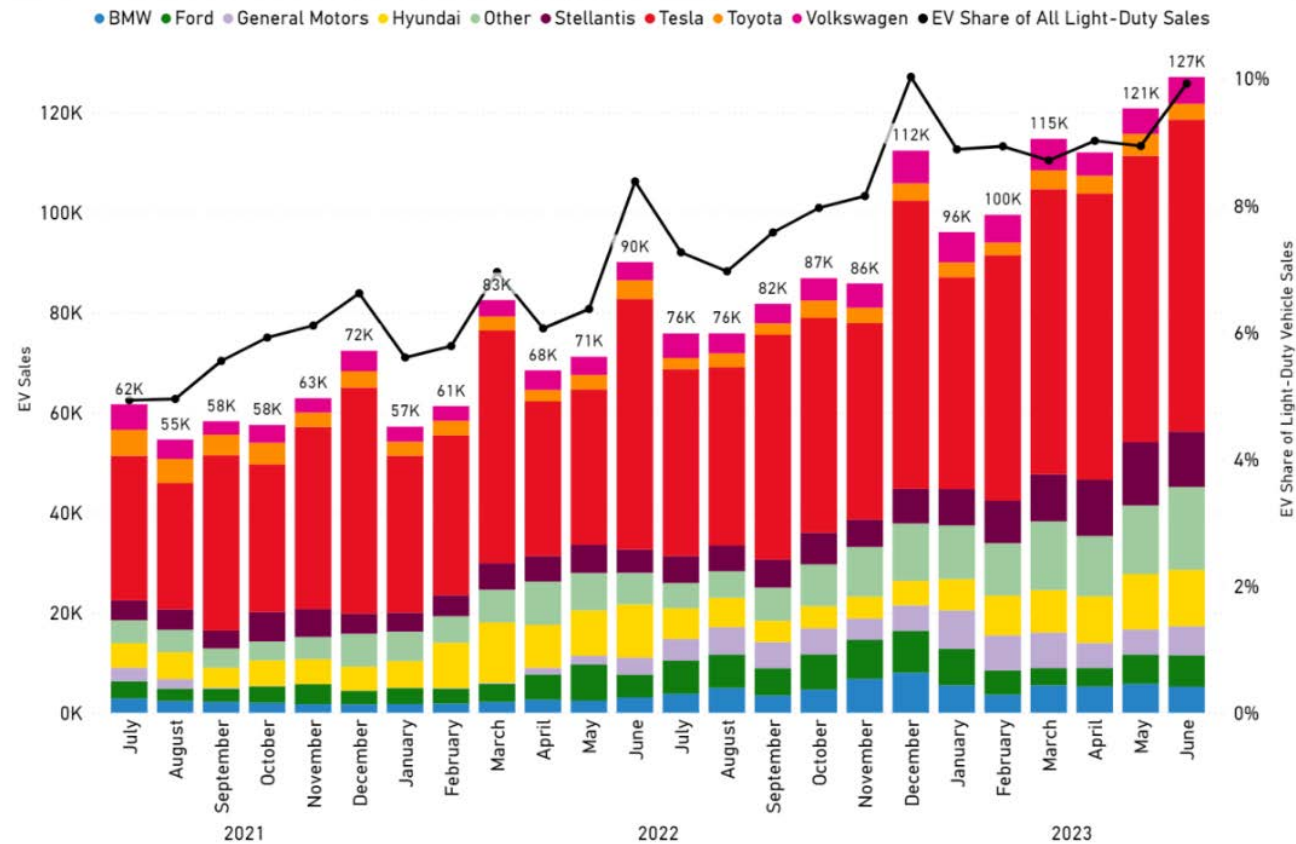
Figure 2. Total 2019 U.S. GHG emissions with transportation and mobile sources breakdown. Data derived from the EPA Inventory of U.S. Greenhouse Gas Emissions and Sinks ^{REF. 8} This Blueprint uses 2019 as a baseline since impacts due to COVID-19 complicate the use of later data.

Transportation is the leading sector and light-duty vehicles are the largest contributor followed by medium- and heavy-duty vehicles.

For every 10 light-duty vehicles sold in June, one was an electric vehicle

10% EV Sales Market Share in June 2023

U.S. New EV Sales and EV Share of Light-Duty Sales from July 2021 to June 2023

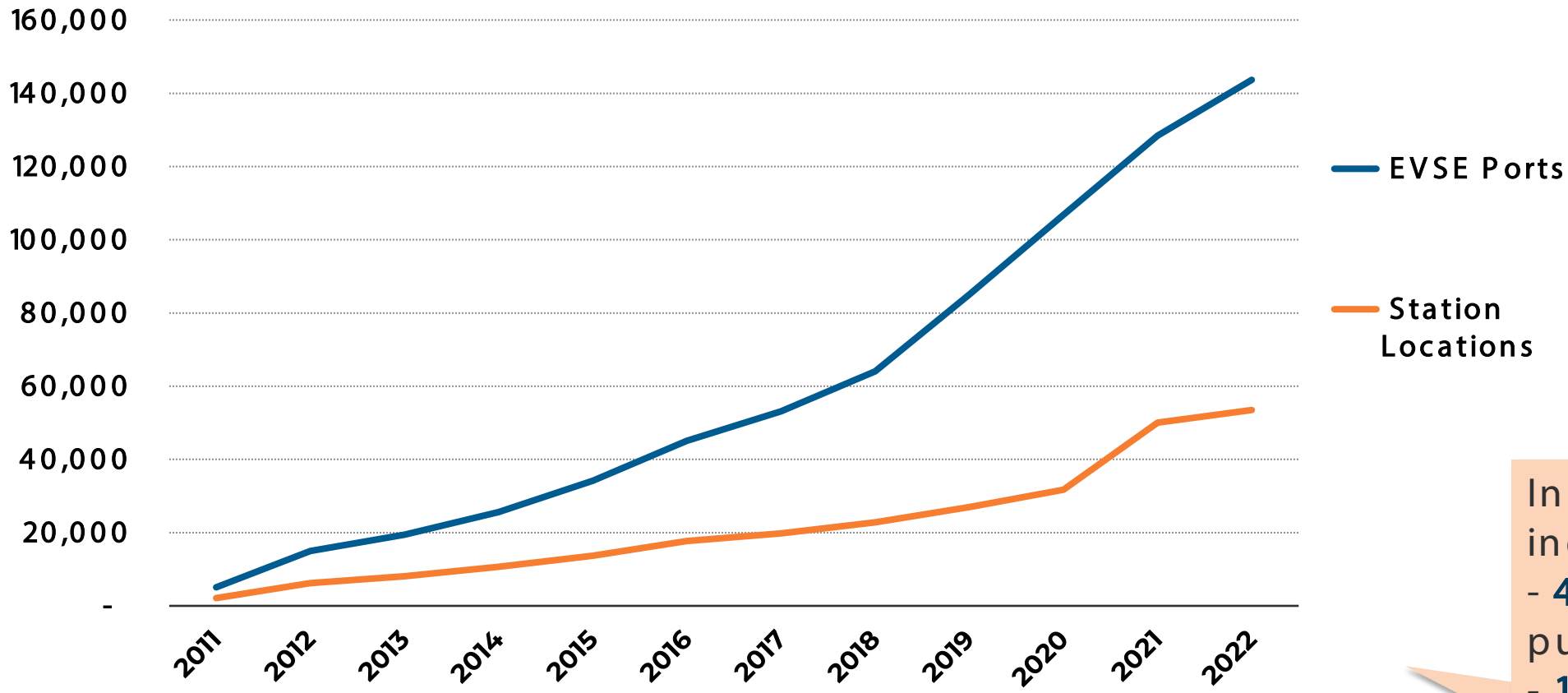


Source: Atlas EV Hub



Steady and increasing growth in availability of EV charging infrastructure

U.S. Public and Private Electric Vehicle Charging Infrastructure



In Q1 of 2023, 3.2% increase in ports
- 4.0% increase in public and
- 1.7% increase in private ports

Source: DOE AFDC, Electric Vehicle Charging Infrastructure Trends



Joint Office Overview and Priorities



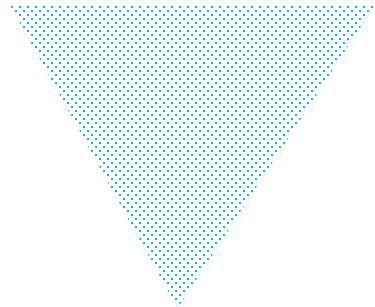
Joint Office of Energy and Transportation

Established in the **Bipartisan Infrastructure Law** to address areas of joint interest to the Departments of Energy and Transportation

\$300M

in FY22 funds to DOT
with transfer authority to DOE

Mission and Vision



JOINT OFFICE OF
**Energy and
Transportation**

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.



Infrastructure Investment & Jobs Act (IIJA) Programs Supported by the Joint Office

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

We are tackling the overarching challenges to build a reliable, convenient national charging network

Reliability

Cybersecurity

Interoperability

Data Sharing

Equity

**Utility
Coordination**



Joint Office Status Updates

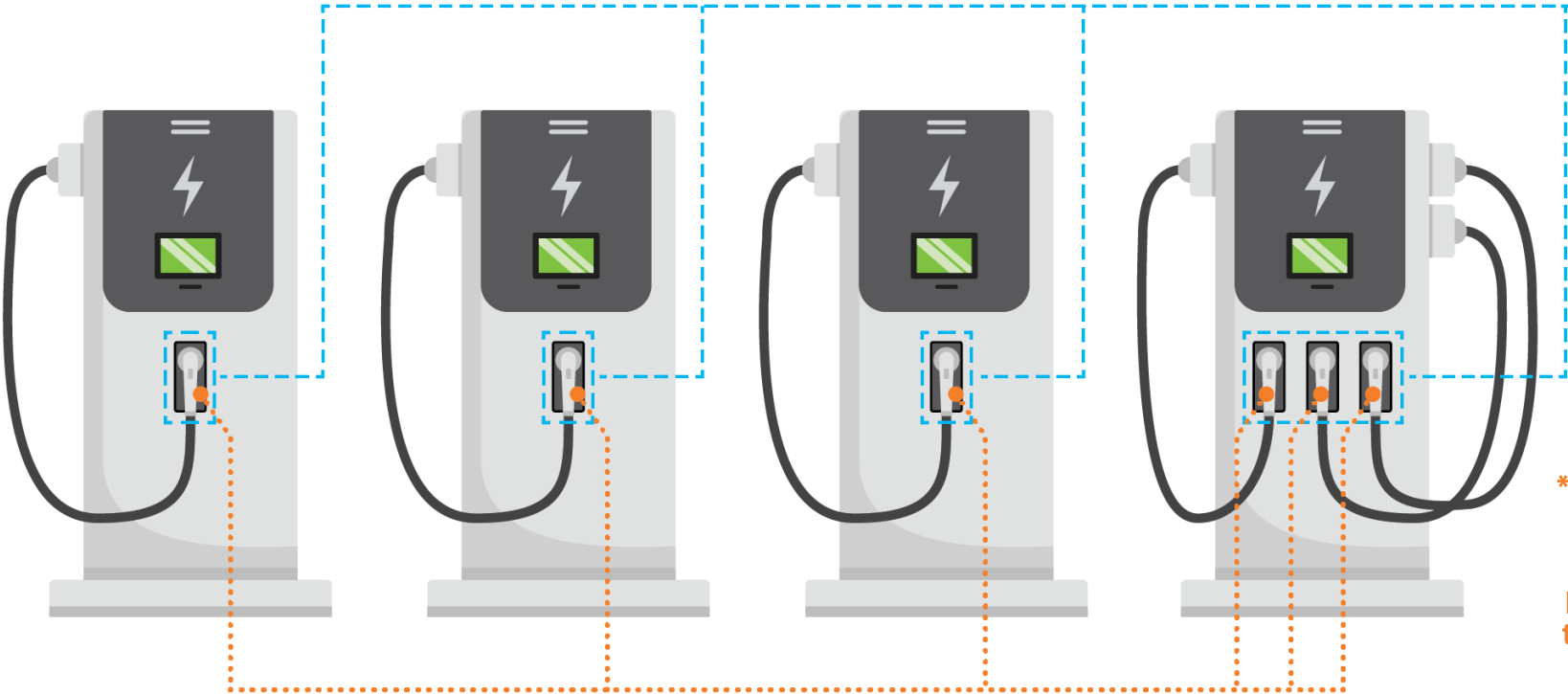


National Electric Vehicle Infrastructure (NEVI) Formula Program



NEVI Charging Station Design

At least 4 CCS ports capable of providing at least 150kW to every vehicle



*NACS may be used for additional ports beyond the minimum 4 CCS ports

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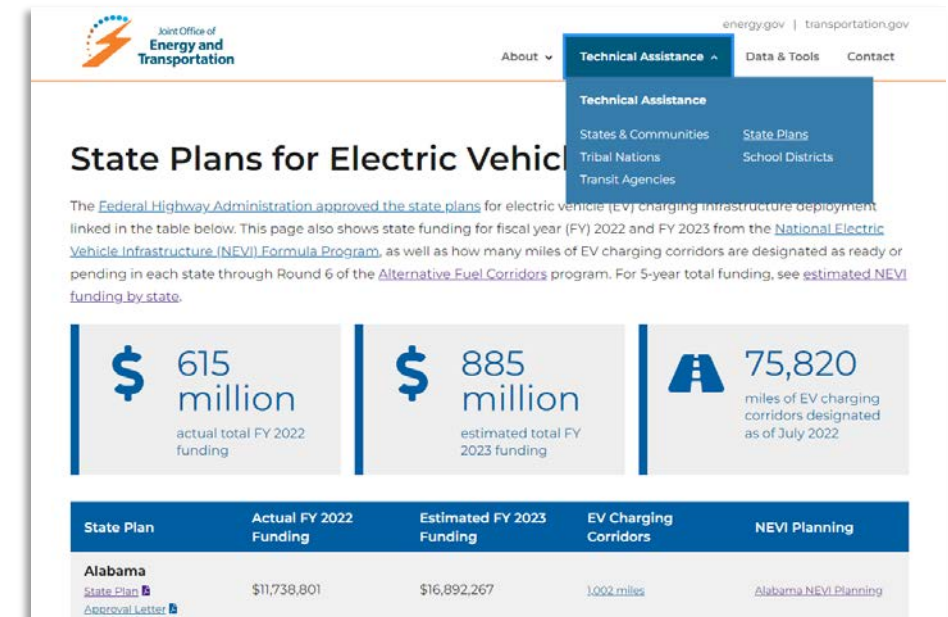
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Power, Ports, and Connectors for Chargers Every 50 Miles Along Alternative Fuel Corridors

National Electric Vehicle Infrastructure (NEVI) Formula Program Updates

- All 50 state plans plus DC and Puerto Rico are approved by FHWA in Sept 2022
 - Unlocking \$1.5 B in FY22 and FY23 funding
- Plan updates are currently under review for FY 24 funding
- States have released or are getting ready to release RFPs



NEVI Program progress in the last two months

Tritium Becomes First Manufacturer to Win NEVI Fast Charger Order; Company to Provide All Fast Chargers for First Phase of Hawai'i NEVI Program

Press Release

07/11/2023

HOME FEATURED

'Electric revolution' begins as Pennsylvania awards grants for 54 vehicle charging stations

by Ed Blazina August 14, 2023



News Release for August 1, 2023

For more information:
Paul Merrill, Public Information Officer - 207-624-3355 or 207-215-9297

Recharge Maine Announces Planned Awards of More Than \$6 Million in Bids to Further Extend Maine's Electric Vehicle Charging Infrastructure

ENVIRONMENT

Ohio to install 27 interstate electric vehicle charging stations: See where they will be located

The new charging stations are expected to be in operation next year.



COLORADO
Energy Office


FOR IMMEDIATE RELEASE
Office of Governor Jared Polis
Ari Rosenblum | ari.rosenblum@state.co.us | (720) 910-1190

Colorado Energy Office awards \$17 million in grant funding to expand the state's public electric vehicle fast-charging network

These awards will help accelerate electric vehicle adoption by adding nearly 200 direct-current fast-chargers in communities across Colorado



Charging and Fueling Infrastructure (CFI) Discretionary Program



Discretionary Grant Program for Charging and Fueling Infrastructure –

Applications for
FY 22 and 23 are
now closed

\$700M in FY22 and FY23 funding

- Application period closed **June 13th**

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

- Corridor Grant Program
- Community Grant Program



Key Requirements of the Corridor Program

Total Funding: \$350 Million

Minimum Award: \$1 Million

Maximum Award: No maximum

Located along a designated AFC;

EV charging within 1 mile and other
alternative fuels within 5 miles of the AFC.

Must be publicly accessible.

**Must use funds to contract with a private
entity.**

Must address environmental justice.

**Must be accessible to and usable by
individuals with disabilities.**



Key Requirements of the Community Program

Total Funding: \$350 Million

Minimum Award: \$500,000

Maximum Award: \$15 Million

Located on any public road or in other publicly accessible locations

i.e. parking facilities at public buildings, public schools, and public parks, or in publicly accessible parking facilities owned or managed by a private entity.

Must be publicly accessible.

May use funds to contract with a private entity.

Must address environmental justice.

Expected to reduce greenhouse gas emissions and to expand or fill gaps in access to publicly accessible infrastructure.

Must be accessible to and usable by individuals with disabilities.

Eligible Entities

- States or political subdivision of States
- Metropolitan planning organizations
- Unit of local governments
- Special purpose districts or public authorities with a transportation function, including port authorities
- Indian tribes
- U.S. Territories
- Authorities, agencies, or instrumentalities or entities owned by one or more entities listed above
- Group of entities listed above
- State or local authorities with ownership of publicly accessible transportation facilities (**applies to Community Program only**)



Joint Office Funding Opportunity

Joint Office Funding Opportunity Announcement

Topics:

1. Enhancing EV Charging Resiliency

2. Equitable Access and Opportunity in Electrification

2a: Community-Driven Models for Electric Vehicle Charging Deployment

2b: Workforce Development

3. Improving EV Charging Performance and Reliability

3a – Increasing Commercial Capacity for Testing and Certification of High-Power EV Chargers

3b – Validating High-Power EV Charger Real-World Performance and Reliability



Joint Office of Energy and Transportation
Through the Department of Energy (DOE)

Bipartisan Infrastructure Law (BIL) Joint Office of Energy and Transportation Ride and Drive Electric, Fiscal Year 2023 Funding Opportunity Announcement

Funding Opportunity Announcement (FOA) Number: DE-FOA-0002881
FOA Type: Initial
Assistance Listing Number: 81.086

FOA Issue Date:	5/18/2023
Submission Deadline for Concept Papers:	6/16/2023, 5:00pm ET
Expected Release Date of Concept Paper Recommendations:	6/28/2023
Submission Deadline for Full Applications:	7/28/2023, 5:00pm ET
Expected Timeframe for DOE Selection Notifications:	September 2023
Expected Timeframe for Award Negotiations:	October 2023 – January 2024

- Applicants must submit Concept Papers by 5:00pm ET on the due date listed above to be eligible to submit a Full Application.

Questions about this FOA? Email: DE-FOA0002881@net1.doe.gov
Problems with EERE Exchange? Email: EERE-ExchangeSupport@hq.doe.gov Include FOA name and number in subject line.

Review is ongoing for the CFI Discretionary Program and the Joint Office Funding Opportunity

U.S. DEPARTMENT OF TRANSPORTATION

Federal Highway Administration

Notice of Funding Opportunity for Fiscal Year (FY) 2022 and FY 2023 for the U.S.

Department of Transportation's Charging and Fueling Infrastructure Discretionary Grant Opportunity

AGENCY: U.S. Department of Transportation (DOT), Federal Highway Administration (FHWA).

ACTION: Notice of Funding Opportunity (NOFO) Number 693JJ323NF00004

Charging and Fueling Infrastructure Discretionary Grant Opportunity

SUMMARY: The purpose of this notice is to solicit applications for grants totaling of up to \$700 million under the Charging and Fueling Infrastructure Discretionary Grant Program (CFI Program), established under the Infrastructure Investment and Jobs Act ("Bipartisan Infrastructure Law" or "BIL"). The \$700 million is divided into two separate grant categories:

(1) up to \$350 million for the Community Charging and Fueling Program Grants (Community Program), to strategically deploy electric vehicle (EV) charging infrastructure, hydrogen fueling infrastructure, propane fueling infrastructure, and natural gas fueling infrastructure located on public roads or in other publicly accessible¹ locations; and (2) up to \$350 million for the Alternative Fuel Corridor Grants (Corridor Program), to strategically deploy charging and

¹ Publicly accessible means the equipment is available to the public without restriction. A station that is not maintained or restricts access only to customers, tenants, employees, or other consumers is not publicly accessible. Publicly accessible locations may include public parking facilities, parking at public buildings, public transportation stations, Park-and-Rides, public schools, public parks, private parking facilities available for public use, and visitor centers and other public locations on Federal Lands.
https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/nominations/90d_nevi_formula_program_guidan ce.pdf



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Through the Department of Energy (DOE)

Bipartisan Infrastructure Law (BIL) Joint Office of Energy and Transportation Ride and Drive Electric, Fiscal Year 2023 Funding Opportunity Announcement

Funding Opportunity Announcement (FOA) Number: DE-FOA-0002881

FOA Type: Amendment 000002

Assistance Listing Number: 81.086

FOA Issue Date:	5/18/2023
Submission Deadline for Concept Papers:	6/16/2023, 5:00pm ET
Expected Release Date of Concept Paper Recommendations:	6/28/2023
Submission Deadline for Full Applications:	8/25/2023, 5:00pm ET
Expected Timeframe for DOE Selection Notifications:	December 2023
Expected Timeframe for Award Negotiations:	January 2024 - April 2024

- Applicants must submit Concept Papers by 5:00pm ET on the due date listed above to be eligible to submit a Full Application.

Questions about this FOA? Email: DE-FOA0002881@netl.doe.gov.
Problems with EERE Exchange? Email EERE-ExchangeSupport@hq.doe.gov include FOA name and number in subject line.



What's Next for the Joint Office?



Progress the NEVI Program



Convene EV Working Group



Announce Selections for Joint Office Funding Opportunity



Announce Selections for CFI Program



Launch 10% Set-Aside Program



- Request assistance via online form

- Initial response within 48 hours

- General questions and feedback welcome!

Contact Us

Use this contact form to submit a media inquiry, ask a general question about Joint Office of Energy and Transportation resources and activities, or request technical assistance for states, tribal nations, or clean school buses or transit buses.

Required fields are marked with an asterisk (*).

Inquiry type *

Name *

Email *

Subject *

Message *

[Send](#)

driveelectric.gov/contact