



Joint Office of  
**Energy and  
Transportation**

# **Building a Future Where Everyone Can Ride and Drive Electric**

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US DRIVE and 21<sup>st</sup> Century Truck All Technical Team Meeting

October 21, 2024

[driveelectric.gov](https://driveelectric.gov)

# The Biden-Harris Administration is prioritizing building a network of 500,000 public chargers by 2030

- Since President Biden took office, the number of publicly available charging ports has **doubled**
- Currently the US has more than **200,000 public charging ports**
  - **40%** of the way to the Biden Administration goal
- **1 in every 10** vehicles sold is an **EV**



First NEVI station charging session in London, Ohio

Source: Ohio DOT

# To support charging reliability, the Joint Office has funded the ChargeX Consortium



*Lead by*



# Electric Vehicle Working Group

Initial subcommittees focus on these areas

## Crosscutting Topics

### Equity

Ensure an electrified transportation future that benefits all Americans

### Workforce

Develop the workforce needed to support all aspects of the electric vehicle industry

### Supply Chain

Build a resilient supply chain that delivers the goods needed to support the electric vehicle industry

## Charging Network

Understand need and plan to spur adoption



## Grid Integration

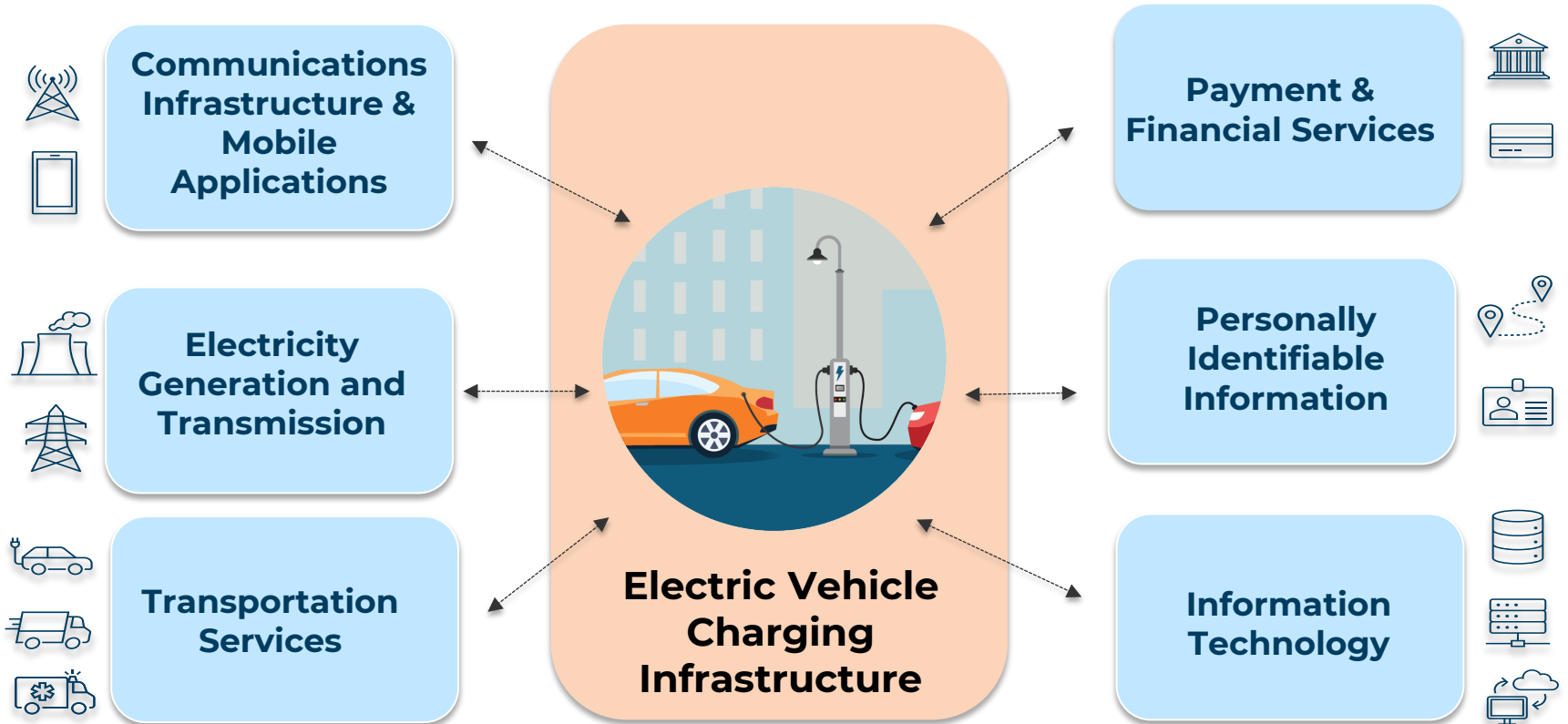
Ensure the sustainable integration of EVs into the electric grid



## Medium/Heavy Duty

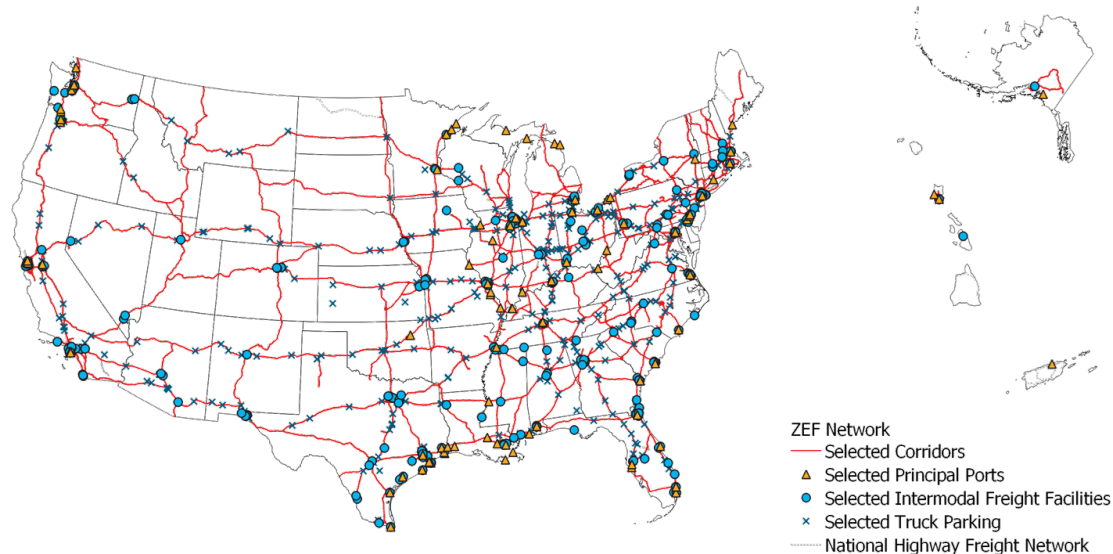
Address the unique needs of the MD/HD industry

# ORIGINS AND TARGETS OF MALICIOUS ACTIVITY SURROUNDING EV CHARGING INFRASTRUCTURE



## Goal

The *National Zero-Emission Freight Corridor Strategy* seeks to **align and accelerate cross-sector investments** in zero-emission medium- and heavy-duty vehicle (ZE-MHDV) infrastructure and **clearly signal the need to bolster electric grid and hydrogen planning** to achieve a zero-emission freight network by 2040.



# Joint Office is supporting over \$19 billion in BIL funding for clean transportation



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

**\$5 billion for states** to build a national EV charging network along corridors, including **\$148 million** awarded to repair and replace non-operational chargers.



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

**\$2.5 billion for communities** to build 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 for transit agencies** to deploy low- and no-emission transit buses



## **Clean School Bus Program (U.S. EPA)**

**\$5 billion** in support of electric school bus deployments



## **Clean Heavy Duty Vehicles Program (U.S. EPA)**

**\$1 billion** to replace existing Class 6 and Class 7 non-zero-emission heavy-duty vehicles



## **Ride & Drive Funding Opportunity (Joint Office)**

**\$46.5 million** to enhance charging resiliency and performance and enhance equitable access



## **Communities Taking Charge Funding Opportunity (Joint Office)**

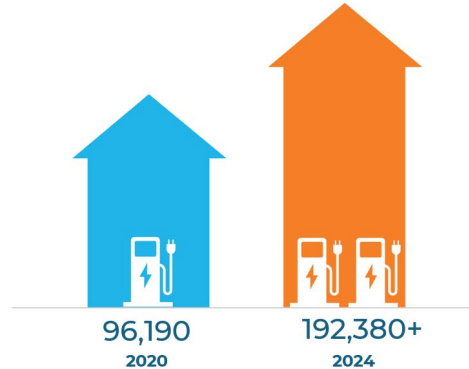
**\$54 million** to expand community e-mobility access

# We're in the middle, and the future is electric!

## Public National Charging Network



**We've doubled.**  
It's kind of a big deal.



**197K** total publicly available charging ports

**24.5K** federally-funded publicly available charging ports underway

**86** federally-funded publicly available ports operational in **10** states





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# Thank You

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