

December 10, 2024

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- Q&A time will use the questions attendees submitted in advance. If there is time at the end, we'll review any additional questions from during the webinar.
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Agenda

- Polling question
- Welcome remarks from Gabe Klein
- Program presentations
- **Q&A**







Welcome from the Executive Director





















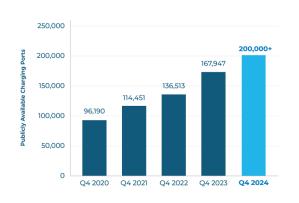




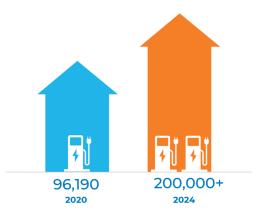
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Our national charging network has doubled since 2020

Public National Charging Network



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

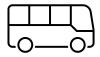


204K total publicly available charging ports

24.8K federally-funded publicly available charging ports underway

230+ federally-funded publicly available ports operational in **13** states

Charging infrastructure goes beyond public charging



Clean School Bus

1,343 school districts received awards & rebates

8,928 Total buses to be replaced



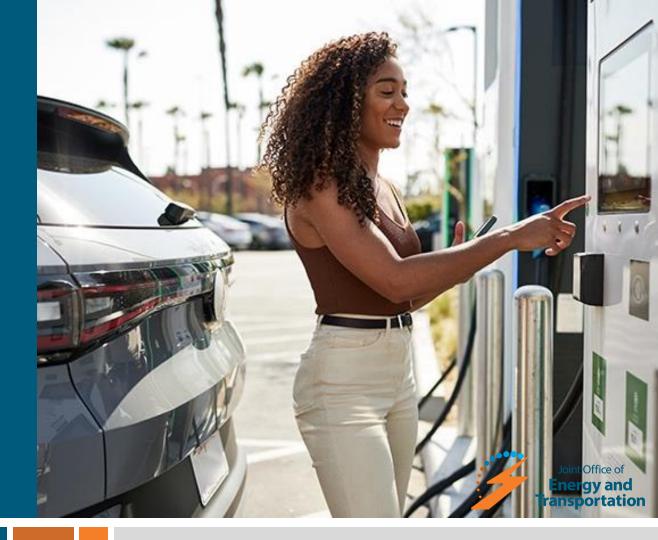
Low & No Emission Transit Bus

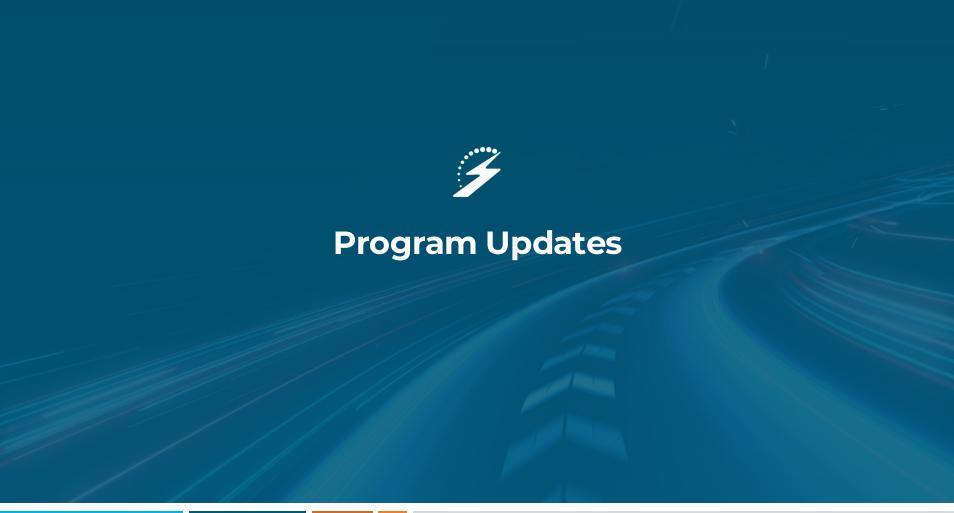
446 awards since 2021, for over \$5 billion

4,020 Total buses to be replaced, awarded since 2021

The Joint Office is partnering with the U.S. Environmental Protection Agency (EPA) and the U.S. Federal Transit Administration (FTA) to offer free technical assistance to awardees.

Removing Friction in the System for You





Presenters



Linda BaileyTechnical
Assistance



Eric Wood

Data &

Analysis



Sarah Hipel Standards & Reliability



Debs SchrimmerCommunity and
Urban Charging



Kevin MillerPolicy and
Strategy



Deploying faster with collaboration and technical assistance

Supporting State NEVI & CFI Grantee Progress

- States and stakeholders met at event with NASEO
 & AASHTO in September
- Significant progress on network
 buildout expected in 2025 almost 900
 stations awarded by 36 states

Clean Bus Planning Awards

- The Joint Office offers planning assistance through NREL for school bus and transit agencies
- Applications taken on a rolling basis



Using data and analytics to support industry and mobility choices

Alternative Fuels Data Center: Station Locator

- 200k+ public ports (US)
- Third-party mapping

EV-ChART

- Compliance made easy
- Ongoing accountability

Ongoing R&D Efforts

- Modeling EV impacts
- Streamlining utility
 connections and permitting
 for EVSEs









Advancing standards to accelerate innovation and user experience

Advancing "universal Plug & Charge"

- Cross-ecosystem approach creates dual benefits of increased security and more seamless user experience by creating a Public Key Infrastructure or PKI
- Led by SAE ITC and its member consortium

Leveraging open-sourced approaches to innovation

- Smart charging and "departure time"
- Software: Combining power limits from grid operators and charging network providers into a single Pmax schedule that gets sent to the vehicle upon plugging in
- Hardware: Testing how EVs respond to the message



Catalyzing community and urban charging

Curbside Charging

- Over a dozen U.S. cities actively deploying curbside
- New JO Curbside Office Hours to connect, share challenges and ideas, and advance best practices
- More topical office hours to come in 2025!



Low-Speed Vehicles

- Street-legal, four-wheeled vehicle with a top speed of
 25 mph and gross vehicle weight rating <3,000lbs
- Forthcoming publication (early 2025): New resource to help more people ride and drive electric



Building the foundation for medium- and heavy-duty vehicle innovation

Enhance Zero-Emission Freight Corridor Strategy

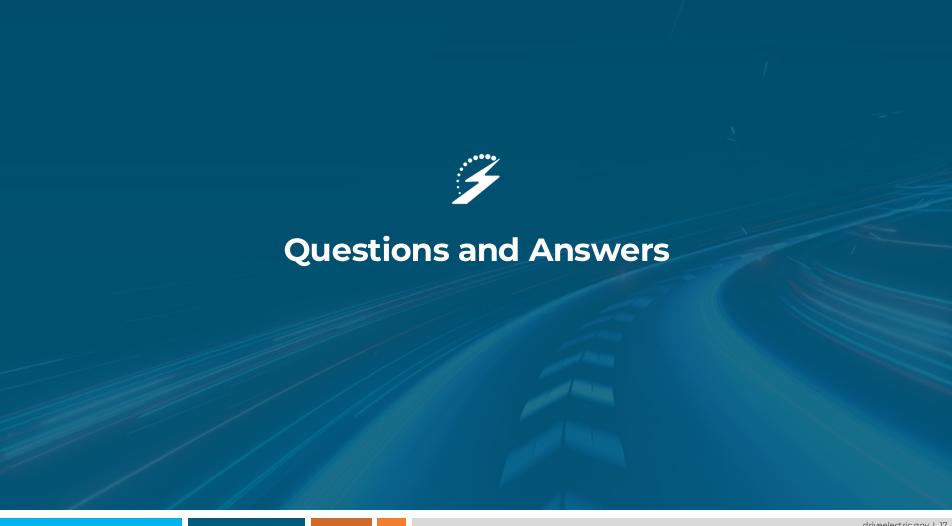
- Strategy sets a vision and approach to accelerate the deployment of a world-class, zero-emission freight network in the U.S.
- Interested parties can download and integrate the <u>Strategy' GIS data layers</u> to bolster analysis, planning, and deployment efforts.

Comprehensive Analysis of MHDV RFI

 FHWA and Joint Office published a medium-duty and heavy-duty vehicle RFI that closed on Nov. 12.

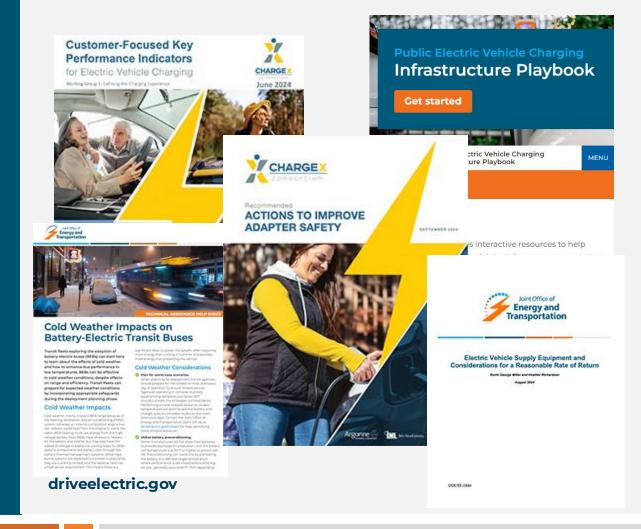
Expanding Ways to Engage on MHDV

- From formal comment to topical webinars
- We want to hear from you!





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