



Joint Office of
**Energy and
Transportation**

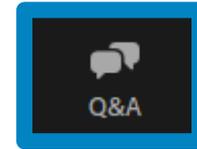
What's In Store for 2024?

1/25/2024

driveelectric.gov

Zoom Tips and Housekeeping

- Controls are located at the bottom of your screen. If they aren't appearing, move your cursor to the bottom edge.
- Submit questions using the “Q&A” window



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Agenda

Introductory Remarks

- Executive Director Gabe Klein

Senior Advisor Presentations

- Sejal Shah, Senior Advisor for Electric Utility Programs & Policies
- Kevin George Miller, Senior Advisor for Operating Models & Finance
- Debs Schrimmer, Senior Advisor for Community & Urban Charging

Panel Discussion and Audience Q&A





Polling Questions

Joint Office Presenters



Gabe Klein
Executive Director



Sejal Shah
Senior Advisor –
*Electric Utility Programs
and Policies*



Kevin Miller
Senior Advisor –
*Operating Models
and Finance*



Debs Schrimmer
Senior Advisor –
*Community and
Urban Charging*



Gabe Klein

Executive Director

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, including **\$148 million** awarded to repair and replace non-operational chargers.



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

Notable Announcements In the Last Two Months!

NEVI station openings

Ohio - Dec 13, 2023

New York - Dec 15, 2023

Pennsylvania - Dec 21, 2023

J3400 EV Charging Connector Standard

Dec 19, 2023

CFI Round 1 Selections - \$623 million

Jan 11, 2024

RAA Selections - \$148 million

Jan 18, 2024

Joint Office FOA Selections - \$46 million

Jan 19, 2024



Ohio, New York, and Pennsylvania NEVI stations are open!



London, OH



Kingston, NY



Pittston, PA

\$46.5 Million in Funding to Ride and Drive Electric

Topic areas focus on:

EV charging resiliency

Reliability

Equity

Workforce Development

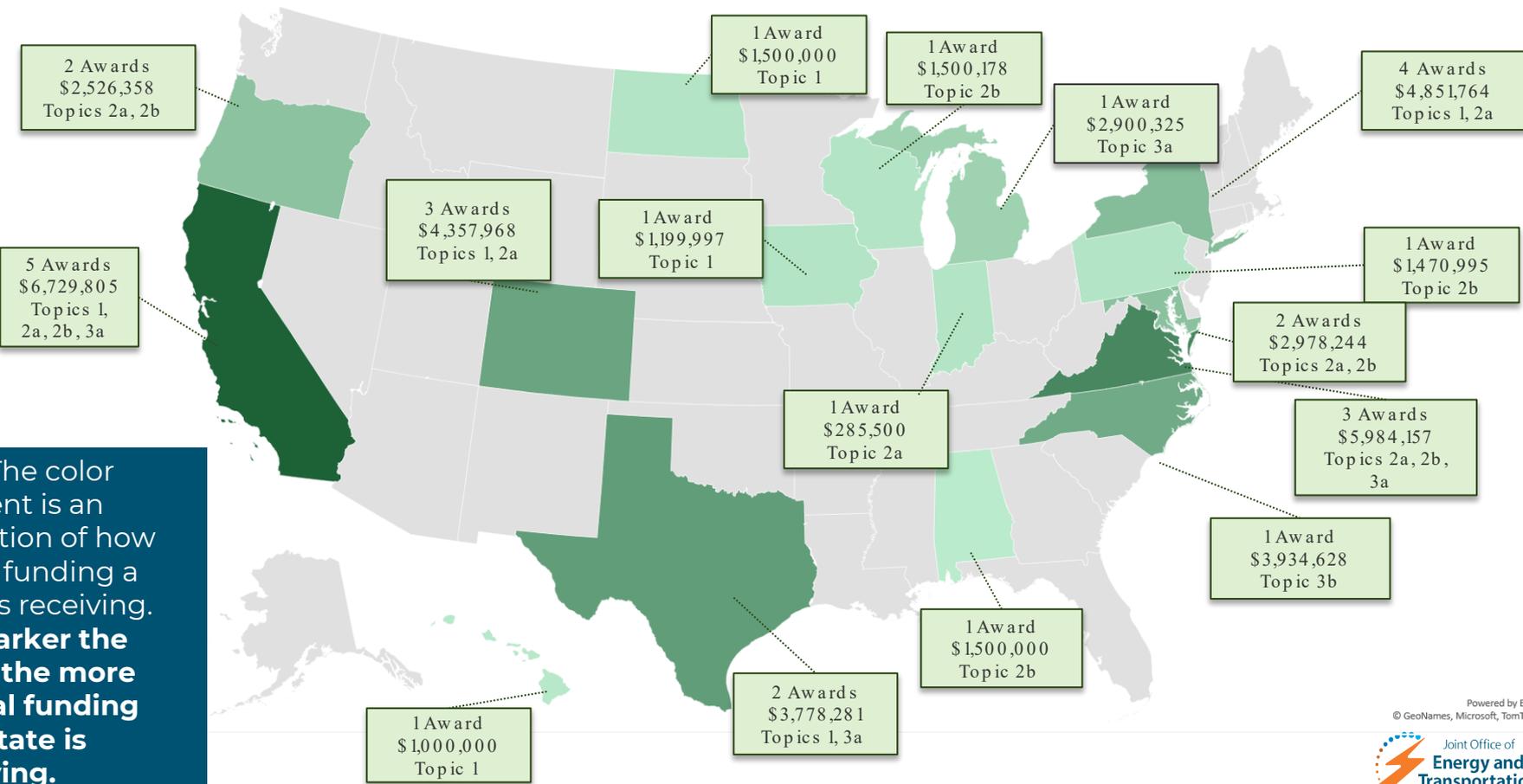
30 projects across 16 states to:

- address barriers to charging in multifamily housing facilities,
- explore new approaches to curbside charging in urban areas,
- promote seamless connections across modes through e-mobility hubs, and
- test new incentive structures to provide affordable public charging access



State Breakdown of Ride & Drive Electric Funding

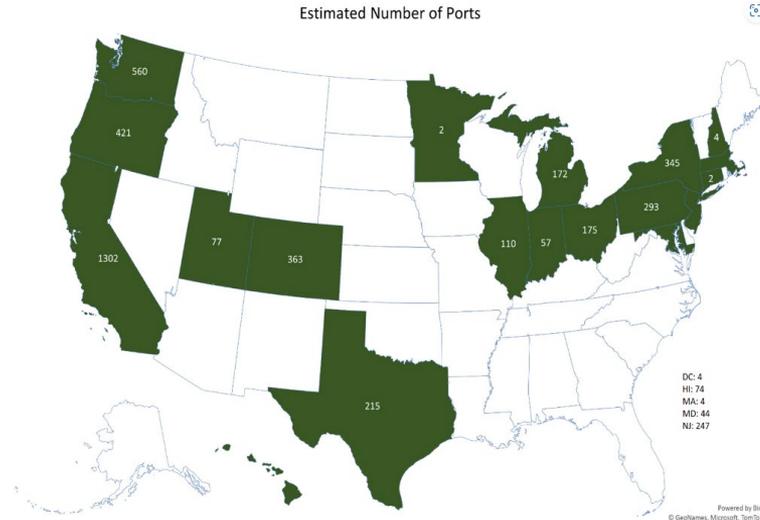
KEY: The color gradient is an indication of how much funding a state is receiving. **The darker the color, the more federal funding that state is receiving.**



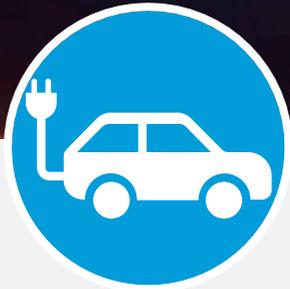
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Reliability and Accessibility Accelerator (RAA)

- **\$148 million**
- **24** grant recipients
- **20** states
- Repair or replace nearly **4,500** existing EV charging ports



What is to come from the Joint Office?



Progress the NEVI Program



Support CFI Applicants and Awardees



Launch EV-ChART



Build out ZEV Corridor Strategy



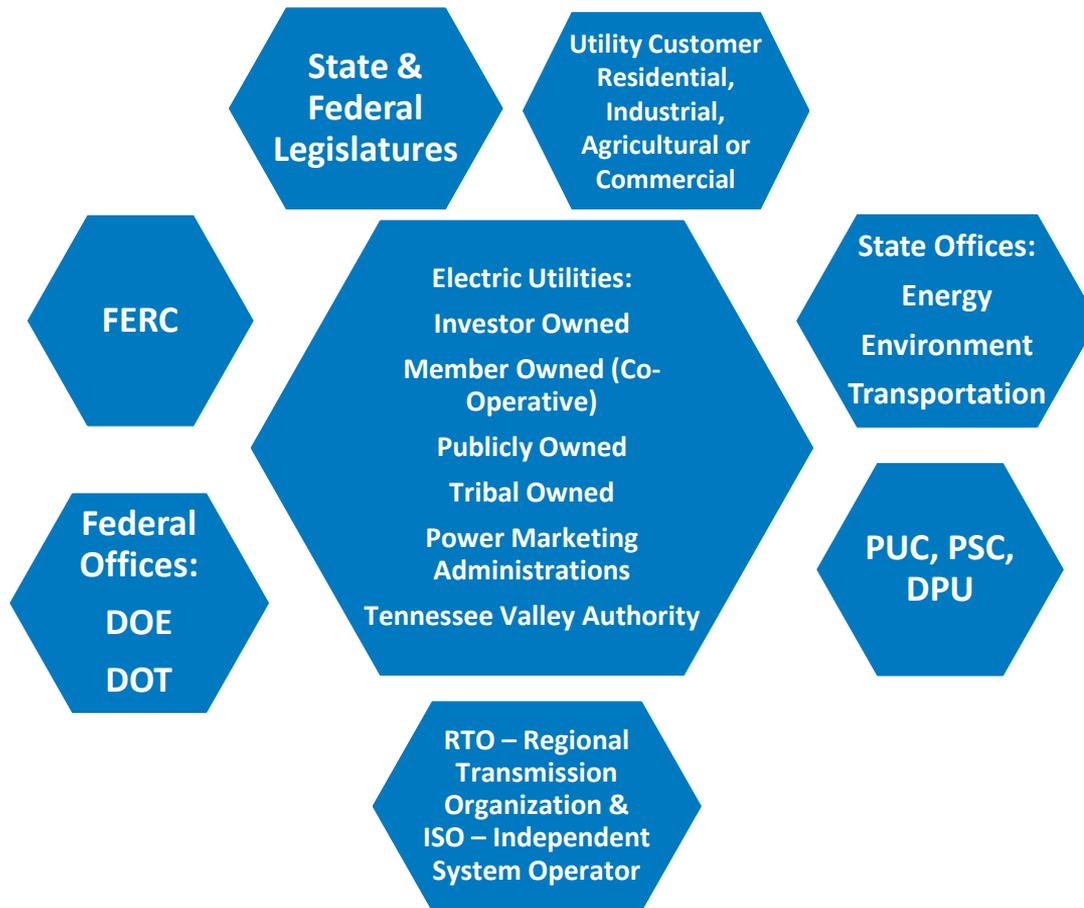
Progress 10% Set-Aside NEVI Funding (RAA)



Sejal Shah

Senior Advisor for Electric Utility
Programs and Policies

Electric Utility Ecosystem



Key Priorities for 2024

- Stakeholder engagement
- Accelerate EVSE integration with electric grid
- Ensure that EVs are a beneficial resource for the electric grid
 - Example: EV smart charging which helps avoid grid congestion during peak usage periods
- Siting transmission lines and renewables in transportation rights of way





Kevin George Miller

Senior Advisor for Operating Models & Finance

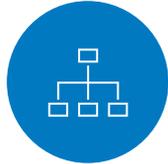
Sustainable Operating Models for EV Charging

Context

The Joint Office is developing tools to **demystify the economics of operating EV chargers for passenger and fleet vehicles** by public & private sector entities.



Key questions to be addressed



What are the **different business and operating model archetypes in the EVSE space**? What are the drivers of the economics across these archetypes?



What are the **barriers** (e.g., technical, economic, regulatory) to the deployment and **long-term, sustainable** operation of EV charging stations?



How can **local, state, and federal actions and innovative business practices** address these barriers and **enhance the viability** of different EV charging archetypes?

Catalyzing the Transition to Zero-Emission MHDVs

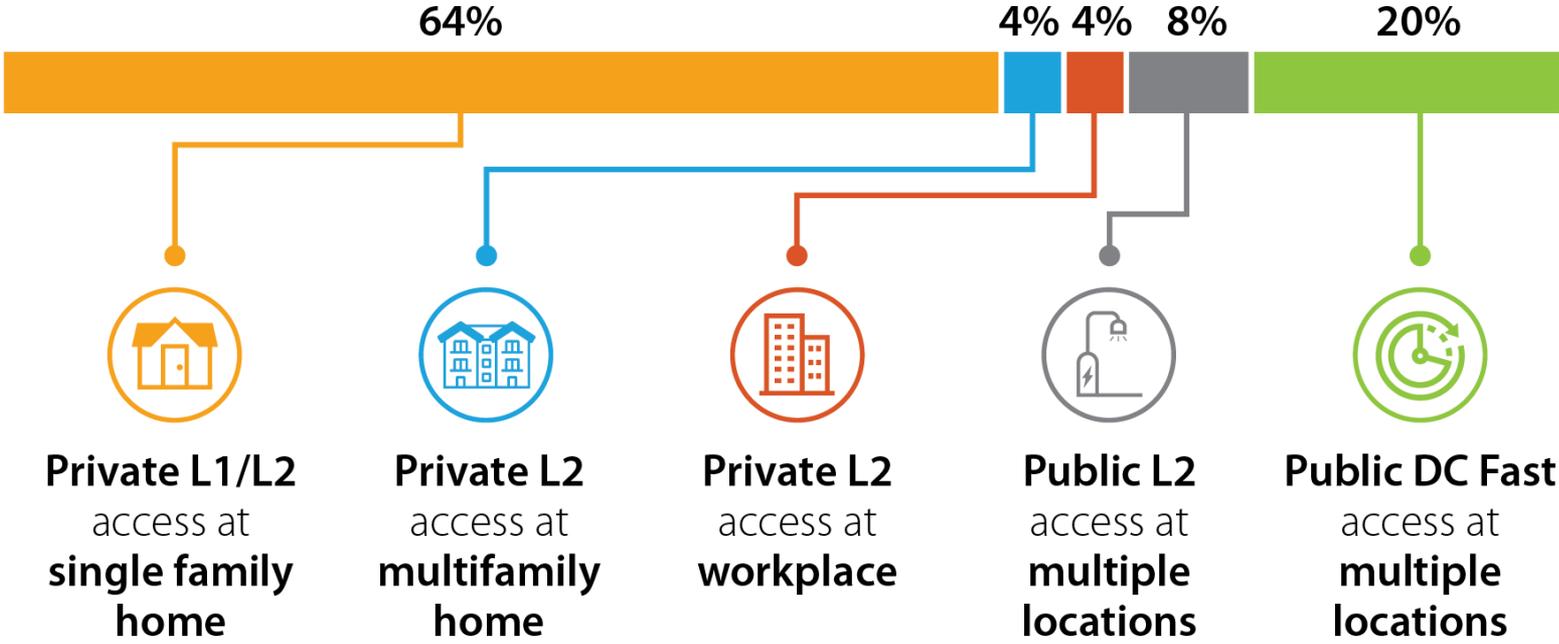




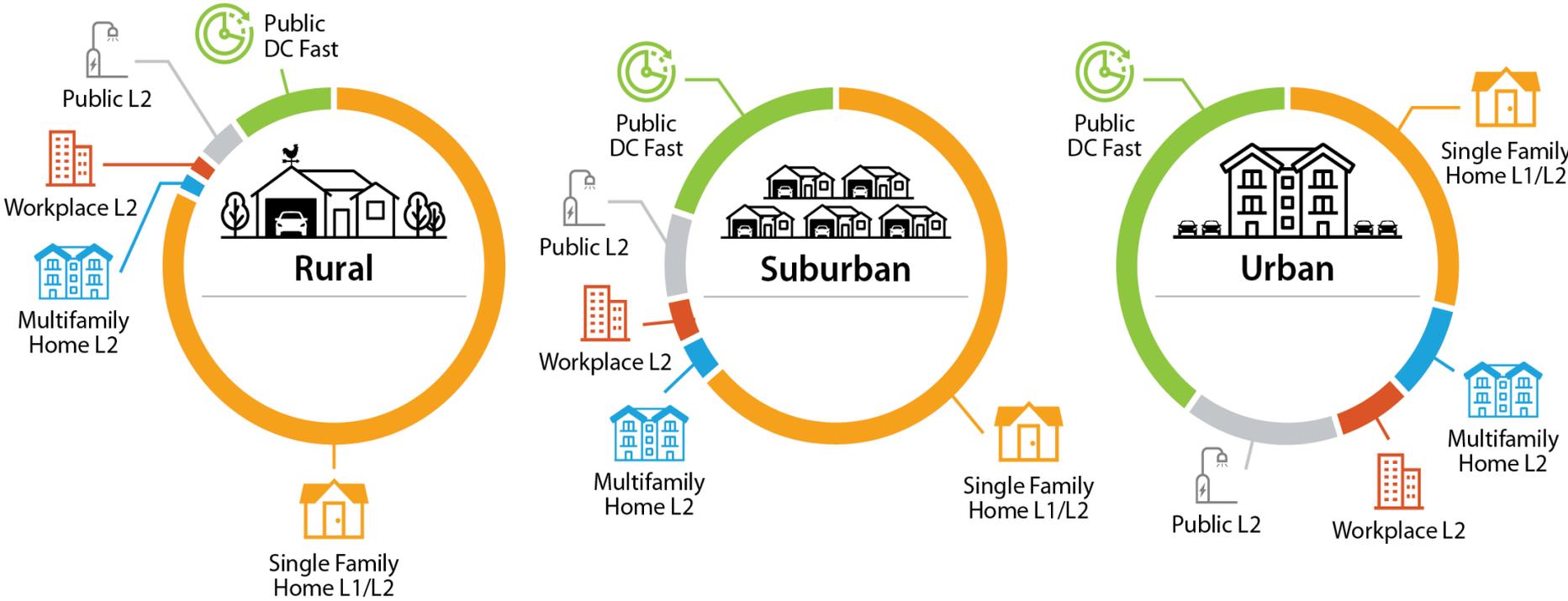
Debs Schrimmer

Senior Advisor for Community and Urban Charging

In 2030, ~80% of the Light Duty Vehicle Charging Network will be L1/L2



Communities Have Different Charging Needs.



FY 2023 Ride and Drive Funding Opportunity

Topic 2A: Community-Driven Models for Electric Vehicle Charging Deployment

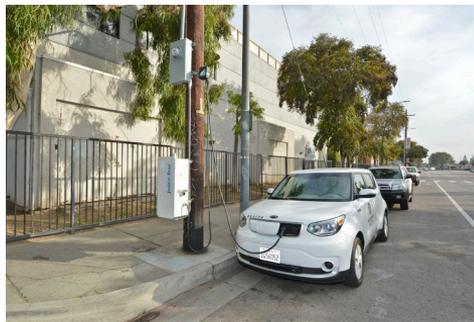


Community Charging



Community E-Mobility Charging: Emerging Multifamily, Curbside, and Multimodal Solutions

January 2024





Panel Discussion



Questions and Answers



Upcoming Webinar Topics

February 13th

**Permitting and Site Selection
Strategies for EV Charging
Infrastructure**

February 15th

Navigating Zoning and Building
Codes for EV Charging
Infrastructure

February 27th

Curbside EV Charging
Strategies

driveelectric.gov/webinars

** Some dates may be subject to change*

Thank you!

Today's Presentation:
What's In Store for 2024

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