

FREIGHT AND GOODS DELIVERY ELECTRIFICATION PROJECT



Electrification
Coalition

The Electrification Coalition (EC) Freight and Goods Delivery Electrification Project advances the electrification of the freight industry in the U.S. through pilots and policies that will help accelerate the transition. We are working in close partnership with public and private fleets, freight vehicle manufacturers, and supporting stakeholders in the freight, electric, and public sectors. We will share lessons learned and best practices from our work to promote a replicable and scalable electrification of the freight and goods delivery sector. This work will also help define the policy recommendations needed at the state, local, and federal levels.

How Is the EC Supporting Deployment of Medium- and Heavy-Duty Electric Vehicles (EVs)?



Increasing collaborations in the freight ecosystem to accelerate deployment.



Bringing national attention to the accomplishments of our partner fleet(s) and stakeholders.



Identifying and pursuing funding sources and financing for vehicles and/or charging equipment and installation.



Providing fleets with technical and overall project support for successful vehicle & charging infrastructure deployment.



Producing issue briefs, case studies, best practices, and reports with insights on how to reduce barriers and accelerate freight deployment at scale.



Formulating and supporting adoption of new federal, state, and local policies that support widespread medium- and heavy-duty vehicle electrification.

Policy Recommendations

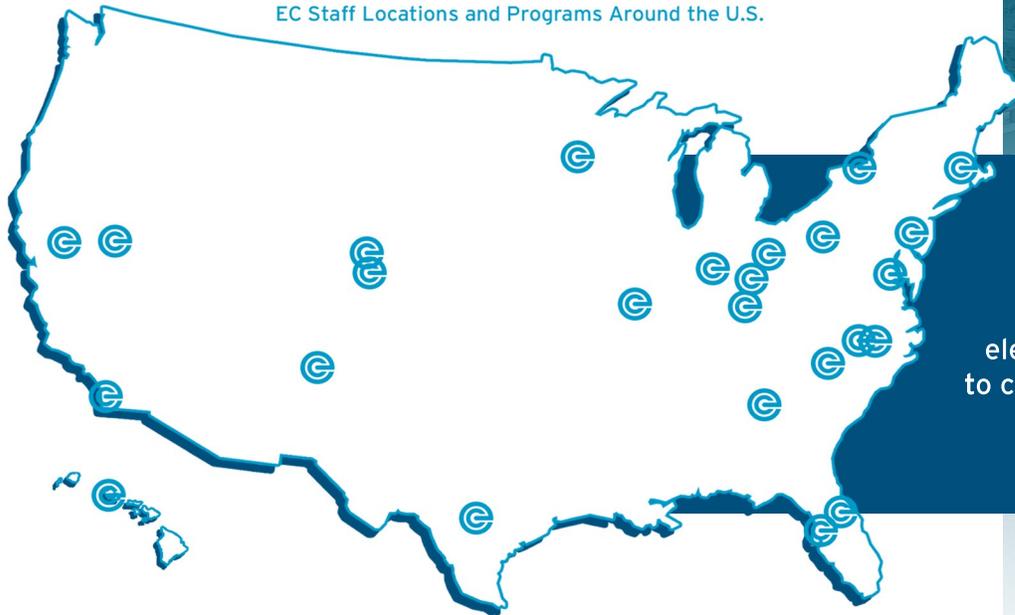
- Vehicle and Charging Purchase Incentives
- Clean Fuels Standards
- Electricity Rate Design
- Fleet Transition Targets
- Regional EV Corridors
- On-Bill Financing for Charging Infrastructure
- Expedited Permitting
- Weight Limit Exemptions
- Behind the Fence Charging Infrastructure

Why Freight Electrification?

America's near-total reliance on petroleum-based fuels for transportation has created significant energy and economic vulnerabilities, is producing significant GHG emissions, and is threatening public health, particularly in low-income and disadvantaged communities.

- **91%** of America's transportation sector is dependent on oil
- **70%** of all petroleum consumed in the US is by the transportation sector
- Medium and heavy-duty vehicles represented only **6%** of vehicles registered in 2018 but were responsible for:
 - **26%** of the sector's petroleum consumption
 - **23%** of the sector's GHG emissions

Electrifying our nation's freight operations will significantly reduce America's dependence on oil, mitigate harmful tailpipe emissions, and address equity concerns. Freight electrification will only happen through a combination of policy actions and creating a community of best practices.



The EC is a non-partisan, not-for-profit organization committed to promoting policies and actions that facilitate the deployment of plug-in electric vehicles on a mass scale in order to combat the national security, economic, and public health dangers caused by America's dependence on oil.

Leveraging Expertise and Experience

Since writing the first-ever EV Roadmap in 2008, the EC has built innovative and award-winning "real-world" programs that are expanding the critical policies and actions needed to accelerate electrification. One of only a handful of nationally-focused electrification groups, the EC has two dozen experienced staff located across the U.S. and continues to develop and launch programs that leverage the strategic intersection of implementation and policy in order to accelerate our electrified transportation future.

🇪🇺 Climate Mayors EV Purchasing Collaborative

The EC is a national leader on fleet electrification initiatives, and supports more than 200 cities in gaining access to EVs from sedans to school buses through this innovative effort. The program won the Climate Protection Award from the U.S. Conference of Mayors in June 2019 with over 3,000 purchase commitments.

🇪🇺 Accelerator Communities

The EC has accelerated EV sales in communities across the country by engaging city and/or regional administrators, local car dealerships, business leaders, utilities, infrastructure providers, current EV owners, nonprofit organizations, educational institutions, and others. The EC leads stakeholders in working together to expand the knowledge of potential EV drivers and grow the capacity of communities to use proven strategies to outpace the national average of EV sales.

🇪🇺 American Cities Climate Challenge

The EC is providing deep technical guidance to 17 cities working to electrify their transportation sector in order to meet Paris Agreement-level emissions reductions through fleet conversion to EVs, developing charging infrastructure networks, and advancing policies that are EV-friendly for both fleets and consumers. As a result, fleets are buying more EVs, are allocating their infrastructure dollars in a cost-effective manner, and are successful in leveraging grant funds to expand their transit systems to include electric buses.

🇪🇺 State EV Policy Accelerator

The State EV Policy Accelerator Program, launched in early 2020, is focused on creating and advocating ambitious policy opportunities that will help drive all sectors of the EV market. The program utilizes a two-track approach focusing on five priority states (Michigan, Nevada, North Carolina, Pennsylvania, and Virginia) as well as a wider, rapid response program. The program will bolster policy development efforts with implementation focused on promoting fleet EV adoption, including buses and accelerator communities.