Large Scale Public Agency
Fleet Electrification in the United States
Facilitated Through Aggregated and Cooperative Purchasing

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The Electrification Coalition (EC) is a nonpartisan, not-for-profit group of business leaders committed to promoting policies and actions that facilitate the deployment of electric vehicles on a mass scale in order to combat economic, environmental, and national security dangers caused by our dependence on oil.
Oil Has a Monopoly On U.S. Transport

92 percent of U.S. transportation is powered by oil.

U.S. PRIMARY ENERGY DEMAND, 2013

- 37% Oil
- 30% Natural Gas
- 20% Coal
- 8% Nuclear
- 4% Residential
- 2% Commercial
- 24% Industrial
- 70% Transport

Source: DOE, EIA
Total fleet vehicles in operation totaled **8.5 million** in 2017. Government vehicles account for approximately 36 percent of the total (3.08 million vehicles)—80 percent of the government share are state and local.

Source: Oak Ridge National Labs, 2017
Drive an increase in fleet electrification by reducing barriers to transition

- Increase procurement choice
- Aggregating national demand to lower costs
- Help with pre-deployment planning
- **National Bid**: Organized through Sourcewell - cooperative purchasing/leasing
Climate Mayors EV Purchasing Collaborative

Climate Mayors – Brand and Engaging Cities

EC – Lead implementation partner

Sourcewell – Established cooperative purchasing mechanism
Tools to Accelerate Fleet Transition

- Policy Recommendations
- Operational Analysis
- Technical and Analytical Support
- Bulk Procurement
- Training for Fleets

Electrification Coalition
Telematics Informs Suitability of EVs

Critical mass for 1st Round of EV deployment

Columbus Summary

- All Sedan, SUV, Minivans: 468
- All Data Errors: 71
- Final Dataset: 397
- Total EV's Recommended: 90
- Rec'd BEVs: 78
- Rec'd PHEVs: 12
- Rec'd SUV -> EV: 20
- Avg. Vehicle Age: 10.9
- Est. TCO ($/Mile) of vehicles to be replaced: $0.58
- Est. GHG Reduction (MTCO2e): 137

Legend:
- Sedans
- Sedans (Hybrid)
- SUVs
- SUVs (Hybrid)
- Minivans
Tools for Transition

Overview
Cities that have seen the most fleet transition programs have support at all levels including of sustainability and the office administration departments in procurement. Participating of work with all internal departments within the city leadership to ensure deployment is harmoniously and templates, tools, and experts project, participating cities with this support.

Policy Questions?
Electrification Coalition
ev fleets@electrificationcoalition.org
800-267-7830

With so many resources, case studies, and documents available on electric vehicles, the Climate Mayors team has assembled some of the most relevant references that directly apply to municipal fleet electrification to help fleet managers, procurement staff, and sustainability/policy team members from the mayor’s office.

Charging 101

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Current State of the EV Market

EV Market

EV Sales Chart
The Electrification Coalition
Revolutionizing Transportation and Achieving Energy Security

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