

# REGIONAL ELECTRIC VEHICLE PLANNING COORDINATION OPPORTUNITIES

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Presented to TPB Technical Committee

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Agenda Item 6

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Metropolitan Washington  
Council of Governments

# Overview

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- COG 2030 Climate and Energy Action Plan
- Zero Emission Vehicle Strategies
- Local Planning
- Regional Planning Coordination Opportunities

# 2030 Climate and Energy Action Plan (CEAP) Goals

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- COG Board adopted goals of:
  - 50% by 2030 below 2005 levels
  - Becoming a Climate Ready Region and making significant progress to be a Climate Resilient Region by 2030

# 2030 CEAP ZEV Strategies and Targets

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- Regional Zero Emission Vehicle (ZEV) Strategies
  - ZEV-1: expand light-duty electric vehicle deployment
  - ZEV-2: accelerate electrification of medium- and heavy-duty vehicles
  - ZEV-3: build out regional electric vehicle charging network
- ZEV Implementation Targets
  - Light-duty BEVs and PHEVs: 30%
  - Light-duty trucks: 9%
  - Medium- and heavy-duty trucks: 4%
  - Transit buses: 30%

# Trends and Developments

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- Growth in Vehicle Offerings, WANADA Auto Show/Dealership Network Interest
- Light Duty Fleet and Transit Interest growing
- Interest in how to quickly deploy infrastructure, Role of Private Sector, Vendor Ecosystem, new OEM models coming, remove distribution levels, lower costs
- Considering Role of Government and Utilities
  - Federal GSA, Army, Washington HQ Service
  - Govt Bldgs/Real Estate
  - Fleets/Consumers
  - Electric Utility Infrastructure Partnerships
  - Cooperative Procurement, Plan for 3<sup>rd</sup> Party Investment, interest in model RFPs and Contracts
- Congress and White House - Infrastructure Investment



# Drivers and Areas of Interest

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- Market moving fast, how get out in front of it
- Accelerate ideal market conditions
- Economy of scales: Planning, Procurement, Deployment
- Building “Consumer” acceptance
- Addressing Workforce needs, education and training
- Transit, last mile, Autonomous, EV Rideshare can support workforce development
- Learning from Pilots
- Active supporters - Clean Cities Coalitions, EV enthusiasts, leading practitioners, NVTC, Dealer network with WANADA
- Advanced Energy Group Task Force – Transit Bus Infrastructure needs assessment, Congressional funding letter

# Regional Support for EV Plan Development

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- COG Support Efforts - What is COG doing?
  - Market Research and Tracking
  - Network/coalition building, ecosystem mapping
  - Provide Forum, focus at regular technical and policy committee meetings
  - Special workshops, ride and drives, sharing of information and lessons learned
  - Supporting local planning
    - Policy and incentives, requirements
    - Asset surveys, site assessments, fleet assessments



# Consultant Support for EV Plan Development

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- COG has master consultant contracts in place
  - ICF and Cadmus
  - Supports local climate, energy, and EV Plans
  - Developing EV plans for govt ops and community
- Opportunity for EV Plan Development Support
  - Shared investment in common elements
    - Utility programs
    - Technology/Vendor information
    - Certain policies and procedures
  - Jurisdiction-specific information
    - EV ownership, registrations, locations
    - EV equipment needs assessment
- Jurisdictional interest increasing



# Local EV Plans

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## Light Duty Vehicles

- Completed Plans
  - City of Frederick – Community plan
  - City of Alexandria – Community plan
  - Prince George’s County – Government fleet plan
- Forthcoming Plans
  - DC’s Transportation Electrification Roadmap
  - Frederick County – Community and government plans
  - Arlington County – Government Operations Interim Plan, County-wide Master plan
- Under Consideration
  - Falls Church - Community-wide plan
  - Rockville – Government fleet plan
  - City of Manassas - Both government and community-wide



# Local EV Plans

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- Other
  - Charles County – Under consideration
  - Greenbelt – Electric Vehicle Infrastructure Planning Group

## Transit and School Buses

- Alexandria DASH
- DC Circulator
- Frederick County Transit
- Metrobus
- Montgomery County Ride On
- Prince George's County The Bus
- Fairfax Schools

# What's Up Next?

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- Areas of Interest?
  - Continued Positioning to Support Market Development
  - Consistent Quality Planning Efforts
  - Favorable Procurement and Deployment Approach
- Support for Regional EV Plan Approach Through COG with Consultant Support – Task Order Request Pending – Input?

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