

# SUPPORTING LOW-EMISSION MOBILITY

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## Climate, Energy & Environment Policy Committee

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# Overview

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- Introductions
- Importance of Light Duty Vehicle Sector
- Opportunities to Support Electric Vehicle Charging Infrastructure
  - Overview of VW Proposal
  - Other Funding Sources
  - Recent Experience in Virginia
- Cooperative Procurement/Bulk Purchasing
  - Fleets for the Future Grant
- Discussion



# Light Duty Vehicle Sector

- In 2014
  - 2.1 million light duty cars/motorcycles
  - 1.5 million light duty trucks
  - Hybrids and EVs nearing 3% of the total fleet
  - ~22 MMTCO<sub>2</sub> from all on-road sources
- By 2030
  - ~11 million light duty vehicle trips/day
  - ~2.6 million light duty commute trips/day
  - ~300k light duty trips into the regional core/day
  - ~134 million light duty VMT/day
  - ~18 MMTCO<sub>2</sub> from all on-road sources
- MSWG Analysis
  - MMTCO<sub>2</sub> Federal CAFE standards provide significant reductions (24% reduction by 2040) in the baseline.
  - Scenario estimated 15-25% penetration by 2040-2050, resulting in ~0.5 to <1 MMTCO<sub>2</sub> reductions/yr beyond CAFE
  - Dependent on fleet turnover, additional reductions possible



# VW Proposal

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- Consent Decree – 3 Pots
  - Funds for Vehicle Owners
  - Appendix C – VW/Electrify America will manage national program
    - Deploy EV Charging Infrastructure for Light Duty Fleet
      - 10-15 priority regions
      - 10 years, \$1.2 billion (\$800 million designated for CA)
    - Outreach and Education on electric vehicles
  - Appendix D – State Mitigation Trust Fund (to be managed by States) Mainly vehicle focus - maximum 15% for infrastructure
- COG submitted proposal
  - Partner to assist in infrastructure deployment
    - Survey, Site hosts, Project Pipeline
    - Offer assistance with contracting and procurement
  - Launch Media, Education and Outreach Campaign

# Next

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- Virginia Clean Cities Coalition
  - Other Funding Sources
  - Recent Experience in Virginia