

REGIONAL ELECTRIC VEHICLE (EV) PLANNING EFFORTS

Erin Morrow
TPB Transportation Engineer

TPB Technical Committee
September 8, 2023



Overview

- Regional Electric Vehicle Deployment (REVD) Working Group
- Regional Electric Vehicle Infrastructure Implementation (REVII) Strategy



Regional Electric Vehicle Deployment (REVD) Working Group

- Established by COG Board to coordinate regional collaboration on EV and EV infrastructure deployment and set priority work activities for the group
- First meeting held in March 2023
- Members currently include staff from COG member jurisdictions and state and other agencies
- The EV Clearinghouse is the first product from this working group and is a resource to support COG member local governments on EV deployment within their government operations and community-wide
- Local Jurisdiction Electric Vehicle (EV) Ready Checklist is the second product from this working group and provides a comprehensive, high-level overview of steps local governments can take to prepare their community and government fleet for transportation electrification.



Regional Electric Vehicle Infrastructure Implementation (REVII) Strategy

- The Regional Electric Vehicle Infrastructure Implementation Strategy (REVIIIS) is being designed to support state and local governments as they prioritize locations for publicly accessible EV infrastructure deployment.
- The information provided in the strategy will inform states and local jurisdictions as they apply for funding from federal programs such as future funding opportunities from the Bipartisan Infrastructure Law's Charging and Fueling Infrastructure (CFI) Discretionary Grant Program.
- The strategy will be developed by the TPB's on-call consultant, ICF, and funded through the UPWP Technical Assistance Program.



REVII Strategy

- Primary Deliverables
 - Electric vehicle projections for three forecast scenarios, by county and region, for analysis years 2030, 2035, and 2045
 - Report with an overview of regional EV deployment implementation strategy, with a snapshot for each county detailing county projections for EVs, areas of interest, challenges and opportunities, and equity considerations
 - GIS mapping for use by local jurisdiction staff
 - Public-facing GIS mapping linked to COG's EV Clearinghouse
- Presentation from ICF to REVD Working Group in July 2023



Project Schedule

- July 2023: Project kick-off
- September 2023: Presentation of draft EV projections to REVD Working Group
- December 2023/January 2024: Presentation of draft recommendations to REVD Working Group and TPB Technical Committee
- February – March 2024: Final recommendations and report; presentations to CEEPC, TPB Technical Committee, COG Board, and TPB



Erin Morrow

TPB Transportation Engineer

(202) 962-3793

emorrow@mwkog.org

mwkog.org

777 North Capitol Street NE, Suite 300

Washington, DC 20002



National Capital Region
Transportation Planning Board