

District of Columbia

Transportation Electrification Roadmap

Thursday, 4 November 2021



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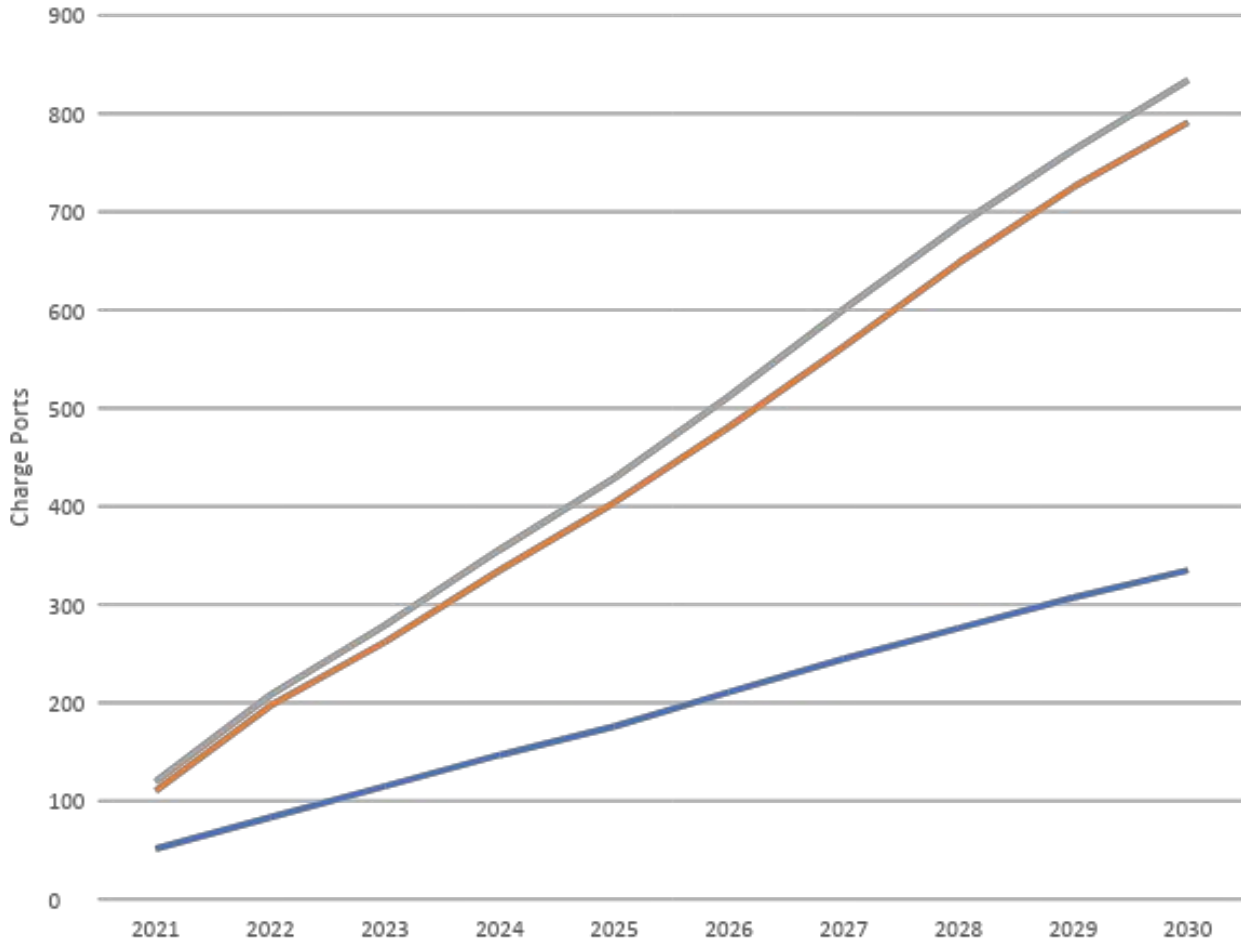
TE Roadmap Goals

- 1 Buses and private fleets 50% Low or ZEV by 2030 □ 100% ZEV by 2045
- 2 100% EV replacement of public buses and school buses at EOL by 2021
- 3 At least 25% ZEV registrations by 2030 (estimates~75,000 EVs)

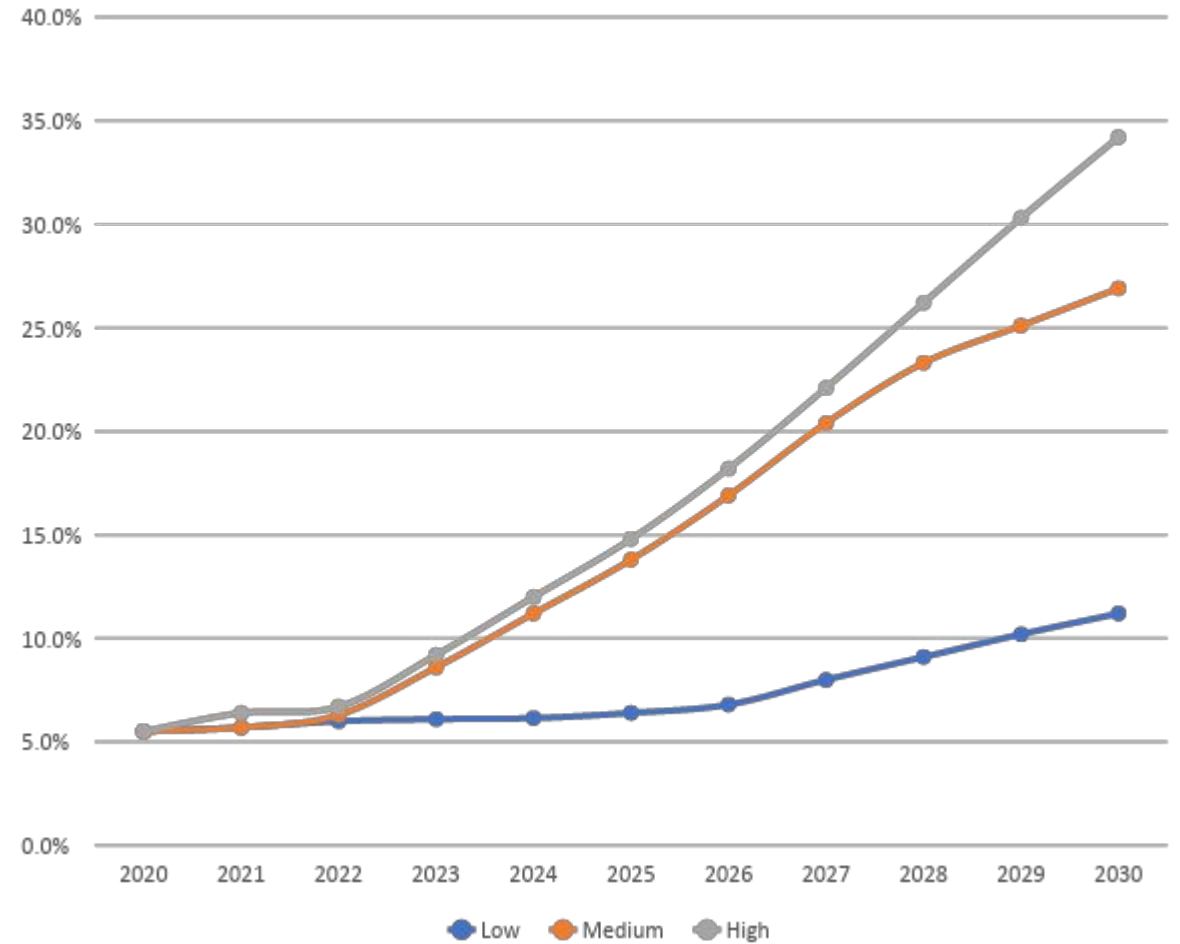
Provide policies, cost estimates, and timelines

EV Ecosystem

Public Charging: High, Medium, Low Scenarios



Percent Electric Vehicles of Total Registered Vehicles (PHEV and BEV), 2020-2030



EV Ecosystem

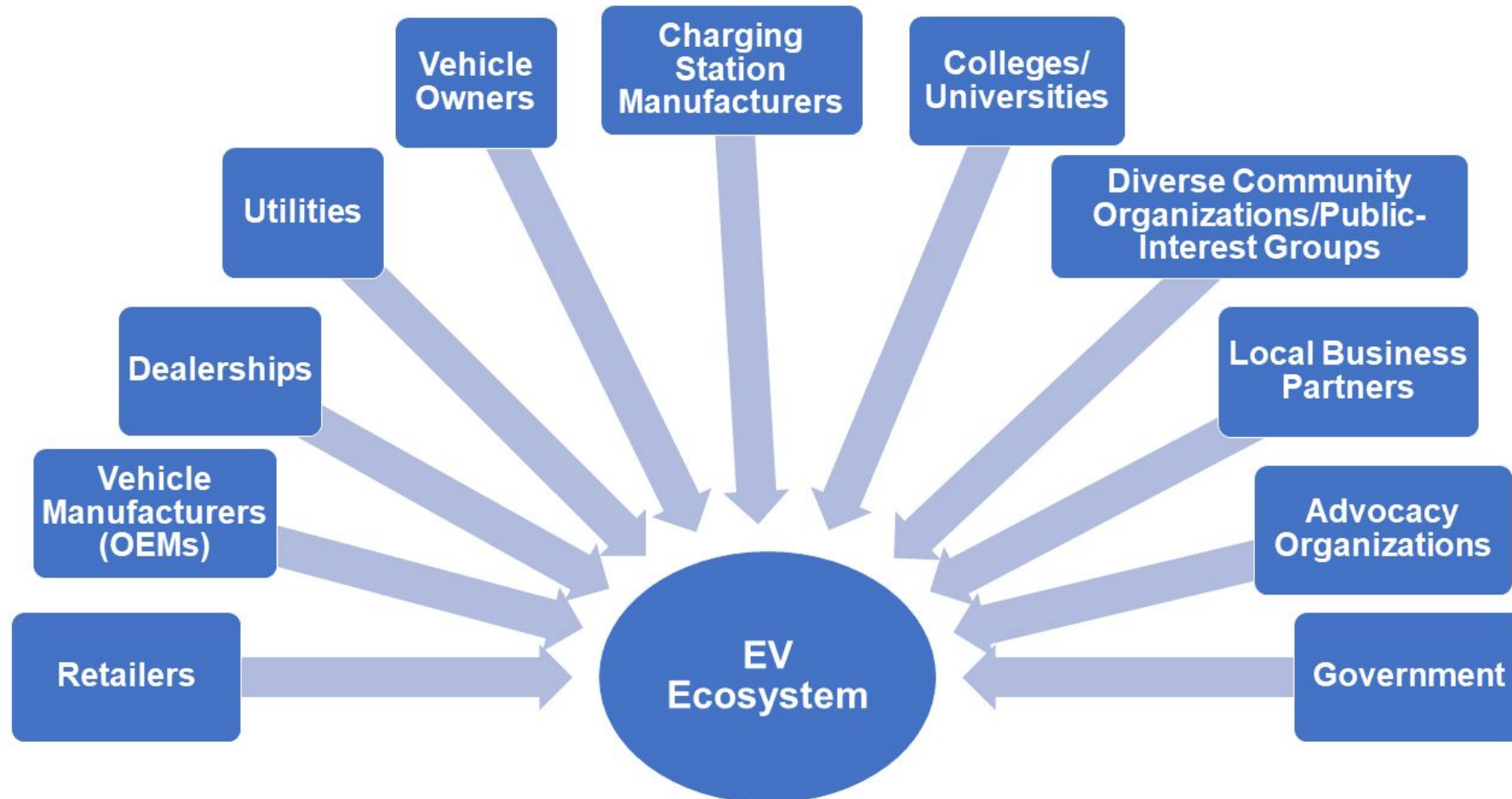


Figure 1. The Electric Vehicle (EV) Ecosystem

Benefits going forward, cost for not:

BENEFITS:

- CREATING AN ASSESSABLE NETWORK OF RESOURCES FOR DISTRICT RESIDENTS
- CENTER THE NEED FOR EQUITABLE PLACEMENT WITHIN THE DISTRICT

COSTS:

- LOSS OF OPPORTUNITY TO LEVERAGE INCOMING FEDERAL AND DISTRICT RESOURCES
- AIR QUALITY IMPACTS FOR UNDERSERVED COMMUNITIES

Regarding Mobility and Transportation, to achieve Washington D.C.'s 2050 Carbon & Equity goals, a critical obstacle to overcome is an equitable access of resources to enable electrification adoption for light, medium, and heavy duty vehicles

Thank you!



Questions?

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