

Memorandum

To: MPO-Policy Board
From: Lucinda Shannon, Transportation Planning Manager
Date: September 23, 2020
Reference: Electric Vehicle Charging Station Needs Assessment Project

Purpose: To inform the Policy Board about the Electric Vehicle Charging Station Needs Assessment project and gather information.

Summary of the Electric Vehicle Charging Station Needs Assessment Project:

As Electric Vehicles take up greater shares of the automotive market, the importance of developing infrastructure to support the use of these vehicles becomes a larger concern. The parking garages in downtown Charlottesville are being outfitted with EV charging stations, and the demand for these facilities will continue to grow as more consumers opt for electric vehicles. MPO staff will assess the predicted need for EV charging stations in the area, and begin identifying locations that could likely support this need.

End Products:

- Projection of EV use and charging station needs throughout the MPO area;
- Develop a network of key stakeholders to assess and build strategies for meeting charging station needs;
- Build partnerships with government, community, and business leaders to plan for infrastructure in key locations; and
- Investigate funding sources available for providing EV charging infrastructure at various types of facilities.

Action Item: MPO staff would like guidance on developing a network of key stakeholders to assess and build strategies for supporting the use of electric vehicles in the TJPDC region.

Possible stakeholders could include representatives from:

- Albemarle County
- City of Charlottesville
- VDOT
- EV manufacture
- Virginia Department of Motor Vehicles
- Citizen/EV user
- Major employers (University of Virginia)
- Ride Share (commuter lots)
- Virginia Clean Cities
- MPO Tech and CTAC Committees
- TJPDC Rural Tech Committee