



EV PREPAREDNESS FOR MPOs, ADDs AND HDOs

Electric vehicles (EVs) are growing in popularity in Kentucky and across the nation. Kentucky is also rapidly becoming the leader in EV battery manufacturing with \$7 billion in new investment coming to the state over the next few years. With these changes underway, now is the time for Metropolitan Planning Organizations (MPOs), Area Development Districts (ADDs) and Kentucky Transportation Cabinet (KYTC) Highway District Offices (HDOs) to prepare for the transition to EVs and the deployment of EV infrastructure.

EDUCATE MPO/ADD/HDO MEMBERS AND STAFF ABOUT EVs AND EV INFRASTRUCTURE.

- + **Websites/Webinars** – Learn about EVs and EV funding at websites hosted by USDOT, USDOE, non-profits, or others.
 - **USDOE:** afdc.energy.gov/fuels/electricity.html; **USDOT:** transportation.gov/rural/ev/; **USDOT and USDOE Joint Office:** driveelectric.gov
- + **EV Infrastructure** – Understand uses and costs for Level 2 and Level 3 (DCFC) charging.
- + **Host/Present** – Invite an EV infrastructure expert to speak at an MPO or ADD event.

COLLABORATE WITH PEER AGENCIES AND OTHERS INVOLVED WITH EV INFRASTRUCTURE IN YOUR AREA.

- + **Local Agencies** – Find out what communities in your region are doing.
- + **Electric Utilities** – Talk with electric utilities about their current and future EV planning efforts.
- + **Other Organizations** – Reach out to groups like the KY Clean Fuels Coalition, TVA, and Evolve KY.

PLAN FOR EVs AND EV INFRASTRUCTURE IN YOUR COMMUNITY.

- + **EV Infrastructure Planning** – Determine the EV infrastructure needs in your region and how to address them. Support and fund member agency EV planning efforts.
- + **Planning Considerations** – Consider economic development opportunities, workforce development requirements, and equity in your EV infrastructure planning.

FUND AND INCENTIVIZE NEW EV INFRASTRUCTURE IN YOUR COMMUNITY.

- + **Private Sources** – Most EV infrastructure to date has been installed using private funds and this trend is expected to continue. Talk to private firms, utilities, and non-profits (like those listed above) about how you can collaborate.
- + **Volkswagen Settlement Funds** – EEC Rebate program. Requires 50% match. EEC to announce details later in 2022.
- + **NEVI Formula Funding Program** – Federal program. Limited to direct current fast charging (DCFC) stations along Interstates and Parkways until FHWA approves build-out. KYTC will provide program implementation details in late 2022.
- + **NEVI Competitive Grant Program** – Federal program. Notice of funding opportunity in late 2022/early 2023. A total of \$2.5 billion available over 5 years.

SUPPORT AND DEPLOY EV INFRASTRUCTURE, GUIDELINES, AND STANDARDS.

- + **Public EV Infrastructure** – Implement the plan. Facilitate, support, or fund charging stations in your community. Determine if there are partners you could support.
- + **Funding Support** – Help member agencies as they develop funding/grant applications.
- + **Publicity and Support** – Promote EV infrastructure awareness among businesses, developers, realtors, and the public.
- + **Codes and Standards** – Work with and support local agencies as they determine what administrative changes might be needed related to building codes, inspections, signage, and zoning for commercial, workplace, multifamily, and residential development.

Notes: USDOT = U.S. Department of Transportation; USDOE = U.S. Department of Energy; DCFC = Direct Current Fast Charging; TVA = Tennessee Valley Authority; EEC = Energy and Environment Cabinet; NEVI = National Electric Vehicle Infrastructure; KYTC = Kentucky Transportation Cabinet; FHWA = Federal Highway Administration