CHARGING AND FUELING INFRASTRUCTURE (CFI) ROUND 2 METROPOLITAN WASHINGTON PROJECT SUMMARY

This Project includes 90 proposed publicly-accessible electric vehicle supply equipment (EVSE) locations across the broader metropolitan Washington region, 63 (70%) of which are located in or near disadvantaged communities as identified by Climate and Economic Justice Screening Tool (CEJST) and rural communities (28 or 31% are within urban disadvantaged communities, 20 or 22% are within ½ mile of and can serve urban disadvantaged communities, and 15 or 17% are within rural communities). The proposed projects will provide convenient, affordable access to EVSE in urban, suburban and rural areas, including low- and moderate-income neighborhoods and support meeting current and future market demands.

The Project will expand community-based infrastructure and fills gaps in access by equitably expanding the deployment of publicly-accessible EVSE in community locations. Proposed EVSE sites are located throughout the broader metropolitan Washington region including in Maryland Frederick, Montgomery, Prince George's Counties and Cities of Bowie, Gaithersburg, and Takoma Park; in Virginia - Arlington, Fairfax, Loudoun, Orange, and Prince William Counties, Cities of Alexandria and Manassas, Towns of Gordonsville, and Leesburg. Our competitively selected contractors, Citizen Energy and VoltPost/ZipCar, are proposing sites across the region at low-income multi-unit dwellings and shared-use fleet ZipCar sites, respectively. This proposal includes 90 locations, 212 Level II stations with 424 ports, 5 direct-current fast charger (DCFC) stations with 10 ports at existing local government facilities, and make-ready 8 Level II ports.

The EVSE projects in this proposal will support the region's climate and air quality goals by realizing a GHG emission reduction benefit of 1304 short tons, and air quality reduction benefits of 336 lbs. NOx, 32 lbs. PM10, 28 lbs. PM2.5, and 1,307 lbs. VOCs over 5-years of operation of sites.

EV deployment is a top priority for COG and communities across the broader metropolitan Washington region. There is significant commitment and cooperation region-wide on equitable EVSE deployment. This momentum sets the stage for the region to expand community-based infrastructure by leveraging existing priority locations in communities, existing cooperative and competitively bid contracts, and supportive equitable engagement and workforce development activities.

The CFI Program grant will support implementation of the 2030 Metropolitan Washington Climate and Energy Action Plan and the Regional Electric Vehicle Infrastructure Implementation (REVII) Strategy, leveraging existing priority locations identified in local and regional EV strategies. The REVII Strategy has been developed to support state and local governments as they prioritize locations for EVSE deployment specifically to support applying for funding from federal programs, such as the CFI Program. The Project will equitably expand the deployment of publicly accessible EVSE in the CFI program's priority focus areas location types.

COG's workforce development partners include the Greater Washington Region Clean Cities Coalition (GWRCCC), DC Sustainable Energy Utility (DCSEU), Montgomery College (MC), Prince George's County Community College (PGCCC), Emerald Cities, Blink, National Car Charging/ ChargePoint (NCC/CP), and International Brotherhood of Electrical Workers (IBEW). These partners will coordinate together to create good paying jobs, promote investments in high-quality workforce development programs, use hiring policies and provide a workplace culture to promote the entry and retention of underrepresented populations, and promote promote local inclusive economic development and entrepreneurship.

COG, GWRCCC, and its partners will fill in needed gaps in engaging disadvantaged communities and EV workforce development by conducting listening sessions targeting disadvantaged and rural communities, hosting career expos for disadvantaged and rural communities, and conducting workforce development trainings to address EVSE reliability. GWRCCC will develop and execute a scholarship and stipend program to certify 50 electricians in the region in the Electric Vehicle Infrastructure Training Program (EVITP), a certification standard to meet the NEVI qualified technician requirements.

Proposed EVSE Site Locations Map