

Northeast Corridor Project

COG staff are continuing to support the Northeast Corridor Regional Strategy for Electric Vehicle Charging Infrastructure. They have provided input on the draft Regional Infrastructure Strategy, as well as recommendations for Electrify America's Cycle 2 investments. Related to this, Northeast States for Coordinated Air Use Management (NESCAUM) have put out a data request, as part of multi-state efforts to acquire data on traffic patterns and EV charger usage. COG is working together with NESCAUM to collect and analyze this data.

Fleets for the Future (F4F) Project

Fleets for the Future is a two-year project endeavor that began in March 2016. Funded by the U.S. Department of Energy, the National Association of Regional Councils (NARC) and five regional councils, including MWCOG, are working to develop regional cooperative procurement mechanisms for aggregate alternative fuel vehicles and infrastructure purchasing, including electric vehicles and charging stations. COG's aggregate alternative fuel vehicle purchasing bid has been awarded to three vendors. Seventeen different vehicles are available, ranging from natural gas pickup trucks to all battery electric vehicles. U.S. DOE has granted the project a 6-month extension and the aggregate infrastructure Invitation for Bid (IFB) is expected to be released by the end of April. For access to the awards and bid documents, members can get set up with a user ID and password on the Mid-Atlantic Purchasing Team (MAPT) website here - <https://mwcog.net/main/agencylogin.php?t=A&g=002&s=101&a=&locale=en> COG staff is also pursuing external funding streams to support jurisdictions in greening their fleets.

Greenhouse Gas (GHG) Inventories

COG is part of a national grant team, under the US Department of Energy's (DOE) C-LEAP program, to develop inventories using the latest methodologies for community level inventories and to develop a GHG Drivers of Change model and toolkit to help local governments look at why GHG emissions are changing and how much local programs are impacting changes. COG staff have been working to align the inventory, not just with the US Community Protocol, but also with the Global Protocol. Staff have prepared a 2015 inventory and have conditioned the 2005 and 2012 inventories based on recalculations of updated global warming potential factors. COG Staff have prepared draft GHG inventories and is asking for members to give feedback by April 13. By summer, COG will release a fact sheet and report that analyzes the regional results.

Sustainability Report

COG staff is finalizing the baseline COG Sustainability Report, which assesses the environmental impact of COG internal operations and that of the Center for Public Administration and Services building in which COG resides. The report covers procurement and waste, electricity, transportation, water, wastewater, stormwater, greenhouse gas emissions, and results of an employee survey. Staff is finalizing COG's next steps for improving our office sustainability. COG staff will present the report findings to CEEPC at its May meeting and hope to bring a final version to the COG Board this summer.

US Army Corps of Engineers Coastal Storm Risk Management Study

COG and several cost share partners in the region are coordinating with the US Army Corps to develop a *Metropolitan Washington region Coastal Storm Risk Management Feasibility Study* which will investigate flood risks in the region's tidal areas. The study will identify solutions to protect vulnerable infrastructure assets upon which the region's communities rely. As an in-depth follow-on to the post-Sandy North Atlantic Coast Comprehensive Study, this regional study will:

- 1) Utilize new and existing information/studies, and employ advanced global circulation models and state-of-the-art hydrodynamic models to present future conditions forecasts of flood inundation and corresponding confidence intervals. The model will simulate future storm scenarios and sea level rise, and factor in current and planned flood mitigation projects.
- 2) Develop a Bayesian network of critical asset interdependencies to generate failure thresholds for given flood recurrence intervals and corresponding water surface elevations.
- 3) Develop a comprehensive, peer-reviewed report that summarizes findings and recommends both Corps-specific projects and additional actions that could be implemented by cost share partners or other agencies to promote community flood resilience following this study.

In recent months, the project team has produced a refined, data-driven cost estimate and project scope of work that will provide for a 4-year, approximately \$5.1M study to meet the region's needs. COG is working towards finalizing regional agreements with cost-share partners which will allow the major modeling work to launch this spring, positioning the region to benefit from this exciting state-of-the-art analysis and to access the 50/50 federal cost-share funds which are now available.