FY 2024

National Capital Region
Transportation Planning Board

Work Program Progress Report
November 2023

FY 2024

The TPB approved its FY 2024 Unified Planning Work Program (UPWP) in March 2023. The TPB Work Program Progress Report summarizes each activity for November. In addition, this report concludes with status updates reflecting timelines for all ongoing program plans and projects. Please reference the 2024 UPWP for details concerning the approved budget, and work description for each task. The following graphics identifies all the activities in the UPWP.

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Task 1	BUDGET	Billed this month	% Funds Expended	UPWP Page
LONG RANGE TRANSPORTATION PLANNING	$1,136,668	$69763	31%	41

1. LONG-RANGE TRANSPORTATION PLANNING
Task 1.1 – Visualize 2045 Implementation

Staff continued working with staff on the Congestion Management Process report update, identifying its relationship with the current and under development National Capital Region Transportation Plans. Staff collaborated on the High-Capacity Transit Station analysis currently being studied with the Foursquare ITP consultant team as it relates to the improve walk/bike to transit aspirational initiative from the 2045 plan. Staff kept up with public meetings and new materials published regarding the American Legion Bridge and 270 corridor plan-a key project in the 2045 plan. Staff continued working with stakeholders as they review projects in the 2045 plan for resubmission to the next plan.

Task 1.2 – Environmental Justice and Equity
Staff coordinated with other internal staff about how to translate public engagement materials into Spanish for the upcoming public comment period in March. Staff researched opportunities with the on-call consultant, other translators used by COG staff, internal translators, and through Artificial Intelligence with the survey provider.

Task 1.3 – Future Plan Development
Staff held the 2050 monthly team meeting and continued meetings with internal staff regarding their areas of expertise and contributions to the plan. Internal staff meetings continued reviewing project input and clarifying staff's understanding of the project details to request more information from agencies. Among these details, staff reviewed the financial, air quality, project description and other key information of project inputs submitted to the PIT database for the Visualize 2050 air quality conformity analysis. Staff discussed the outline of financial information for the Visualize 2050 plan. Staff held another Q&A meeting for stakeholders on PIT inputs, prepared for the final three Q&A sessions to be held in December, and met individually with stakeholders to provide project input assistance.

Staff drafted and reviewed an initial Metroquest Survey to be shared internally with the full team in December. Staff provided an overview of the plan development activities to date and to come to the TPB. Staff reported on public engagement to the Tech. Com. and TPB and prepared for the conclusion of this comment period at the end of November. Staff continued to organize draft 2050 plan content continued from the 2045 plan and which 2045 plan content would continue as process documentation outside of the plan.

1.4 – Federal Compliance
No activities to report.

1.5 – Policy Board-Directed Activities
Staff maintained a calendar of key activities and met internally to ensure progress on plan development per the TPB's adopted schedule.

Task 2	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRANSPORTATION IMPROVEMENT PROGRAM	$583,710	$29,205	29%	43

2. TRANSPORTATION IMPROVEMENT PROGRAM

2.1– Transportation Improvement Program (TIP)
At its meeting on November 3 the TPB Steering Committee approved the following two resolutions approving amendments to the FY 2023-2026 TIP as requested by DDOT and VDOT:

- SR8-2024 was requested by DDOT to replace $2.7 million in Surface Block Transportation Grant (STBG) and District matching funds with Highway Safety Improvement Program (HSIP) funding on the Traffic Signal Maintenance program (T5347) and to add approximately $23 million in HSIP funding to the Traffic Safety Input program (T11625).
- SR9-2024 was requested by VDOT to add $1.45 million in Congestion Mitigation and Air Quality (CMAQ) Improvement Program funding for the Transitway Enhancements – Duke at Quaker project (T13572) and to add $72.2 million in Northern Virginia Transportation Authority (NVTA), local, proffer, and bond funding for the Dulles West Boulevard Phase II project.

TPB staff processed requests for five administrative modifications to TIP records in November. Staff also began to work with agencies on conformity submissions from the upcoming FY 2026–2029 TIP.

2.2–TIP Database Support

Contractor EcoInteractive, continued to provide their Software as a Solution platform, customized and branded as TPB's Project InfoTrak database application, as well as ongoing bug fixes and help desk support for staff and member agency users.

Work in progress or completed in November under the baseline maintenance and support contract included:

- Hide unused fields System Location and Conformity Information sections (completed)
- Platform upgrade (in progress)
- Fix a bug to stop the Secondary Agency field from automatically being filled in w/ duplicate value of Lead Agency (in progress)
- Fixing invalid redirection after email address account verification click (in progress)
- Removing limit on the number of Conformity Records

Under an expanded contract for professional services, EcoInteractive developed and refined customizations of the software platform, and performed other specialized tasks. Work underway and completed in September under the professional services contract included:

- On project intake forms, expanded character limit of textbox fields in the Project Questions section (completed)
- Updated the Conformity Information Report to remove some unnecessary data columns, and rename and move other columns (completed.)
- Add Federal Project Name field to download and to Append Additional Columns (in progress)

Task 3	BUDGET	Billed this month	% Funds Expended	UPWP Page
PLANNING ELEMENTS	$3,905,138	$229,295	24%	45

3. PLANNING ELEMENTS

3.1 Performance-Based Planning

Staff briefed the TPB and TPB Technical Committee on the requirements, process, methodology and draft targets for the federally required annual Highway Safety and Transit Safety performance measures. Additional information on safety actions by TPB/COG and in the region was prepared in response to questions. Staff also organized a WMATA staff briefing to the TPB on actions the agency has undertaken to improve safety. Staff reviewed a new final rulemaking from FHWA on a Greenhouse Gas (GHG) Emissions performance measure.

3.2 Congestion Management Process
Staff continued information gathering and development of the 2024 Congestion Management Process Technical Report.

3.3 Systems Performance, Operations, and Technology Planning
Staff prepared for future meetings of the Systems Performance, Operations, and Technology Subcommittee.

3.4 Transportation Emergency Preparedness Planning
Staff prepared for future meetings of the Transportation Emergency Preparedness Committee (R-ESF 1).

3.5 Transportation Safety Planning
TPB staff developed draft annual regional highway safety targets and presented the proposed targets to the Technical Committee on November 3 and the TPB on November 15. Additional research was conducted as a follow-up to safety questions and concerns raised by attendees during the meetings.

In addition, TPB staff held planning sessions on November 8 and 21 with the Safety Subcommittee Chair to identify topics and speakers for future Subcommittee meetings.

3.6. Bicycle and Pedestrian Planning
The regularly scheduled virtual meeting of the Bicycle and Pedestrian Subcommittee was organized and conducted on November 29, 2023, discussing settling the update of the National Capital Trail Network, along with an overview of the District of Columbia's Corridor Safety Projects.

Staff continued working with TPB member agencies to make corrections and updates to the draft National Capital Trail Network, toward January review by the TPB.

3.7 Regional Public Transportation Planning
The Regional Public Transportation Subcommittee met virtually in November. The theme of the meeting was regional transit agency updates, and presentations were given by Fairfax and Arlington County's transit systems. TPB staff and Foursquare ITP consultants performed a demonstration of the regional high-capacity transit (HCT) analysis application. The meeting concluded with a review of what the RPTS discussed in 2023 and responses to a survey on topics to discuss in 2024. Finally, the new chair for 2024 was introduced by the outgoing chair.

Staff prepared letters of endorsement for federal grant applications by member jurisdictions. Staff also discussed transit information for the Visualize 2050 plan.

Staff attended several WMATA meetings on the FY 2025 budget and the monthly JCC meeting, Staff also conducted financial analysis and attended multiple meetings as the region considers funding for WMATA. In addition, Staff attended the monthly NVTC MAC meeting, a MATOC Transit Task Force meeting, and a NVTA BRT working group meeting.

3.8. Freight Planning
The Freight Subcommittee met on November 9, 2023. The meeting agenda included a briefing about engaging freight stakeholders through a freight submit by Fredericksburg Area Metropolitan Planning Organization (FAMPO) staff, a briefing on the District's Freight Plan Update by District Department of Transportation (DDOT) staff, and a briefing on the National Capital Region's Freight Plan Update by TPB staff.

3.9 Metropolitan Area Transportation Operations Coordination Program Planning
The regularly scheduled November 14, 2023, meeting of the MATOC Severe Weather Coordination Working Group was organized and conducted, hosted at the National Weather Service office in Sterling, Virginia, discussing preparations and coordination for transportation agency response to the winter weather season.

A virtual meeting of the MATOC Transit Task Force was organized and conducted on November 15, discussing regional transit operations and coordination with roadway operations.

The regularly scheduled meeting of the MATOC Operations Subcommittee was organized and conducted on November 16, hosted at the MDOT-SHA State Operations Center in Hanover, Maryland, discussing regional roadway operations and traffic issues.

The regularly scheduled November 17 virtual meeting of the MATOC Steering Committee was organized and conducted, discussing communications, coordination, and Traffic Incident Management topics.

3.10 Resiliency Planning
Staff continued to make progress on the Phase II Transportation Resiliency Study with the contractor, ICF, currently at the halfway mark and operating on time and on budget. After completing the regional transportation resilience forum in October, staff worked with ICF to complete several components of the TRIP, including finalizing the interactive mapping tool and mapping tool companion guide, finalizing the TRIP project request guidance document and associated project request form, and packaged all these materials and sent to regional stakeholders with a request to submit projects by January 31, 2024 for inclusion in the TRIP.

Staff also attended and presented at the TRB Transportation Resilience 2023: International Conference on Extreme Weather and Climate Change Challenges. Katherine Rainone presented on two separate panels, Development of Resilience Improvement Plans under PROTECT and Community Resilience, where she summarized the work TPB has been undertaking with regards to transportation resilience planning at the regional level. Additionally, staff continued support for Prince William County TLC green infrastructure project, continued follow-ups from the regional resilience forum, and put together a draft budget and planned future program activities for the next fiscal year.

Task 4	BUDGET	Billed this month	% Funds Expended	UPWP Page
PUBLIC PARTICIPATION	$753,904	$59,822	38%	53

4. PUBLIC PARTICIPATION

4.1 Public Participation and Outreach

The November meeting of the 2023 - 2024 TPB Community Advisory Committee (CAC) was held on Thursday, November 15. The committee heard updates from TPB Chair Reuben Collins and Vice Chair James Walkinshaw, and from Gabrielle Rogoff, Legislative Director for Vice Chair Christina Henderson. Breakout roundtables were held so that CAC representatives from each jurisdiction could meet with their respective representative TPB chair.

The Access for All Advisory Committee met on November 27. AFA members received an update on the Metro Better Bus initiative from Melissa Kim, WMATA Program Manager and a 2023 Enhanced Mobility Solicitation update from TPB Program Manager Mohammad Khan. Other agenda items include an overview of Virginia's Multimodal Trip Planner from VDRPT team members Tiffany Dubinsky and Jess Maffey. The final agenda item was the National Capital Trail Network update from TPB staff Andrew Meese and Michael Farrell.

Staff continued to coordinate with the TPB consultant and state DOT representatives on the update of *A People's Guide to Transportation Decision-Making in the National Capital Region.* The guide is anticipated to be finalized in December 2023. Work will continue into December and January 2024 on a communications toolkit to promote the guide along with a set of communications icon to support staff messaging around the TPB's focus areas.

Staff continues to implement recommendations from the 2020 Public Participation Evaluation.

Staff summarized public comment from the Visualize 2050 Initial Project List Feedback Form which includes project-specific feedback on the Visualize 2045 project list for the Visualize 2050 Technical Inputs Solicitation. The deadline for comment submissions was November 30. Staff prepared a report on the comments for the TPB's Technical Committee and TPB at their monthly meetings.

Continuing activities, as laid out in the UPWP, included the following.

Support for the Community Advisory Committee.

Support for the Access for All Advisory Committee.

Ensuring the public involvement opportunities specified in the TPB's Participation Plan are met, such as conducting public comment periods on key documents and public comment periods at the beginning of each TPB meeting.

4.2 Communications

The following stories were featured in TPB News and in COG news releases:

September2023 TPB meeting recap
November 26, 2023

New local Technical Assistance Programs Searchable Database archives TPB planning and design projects
November 7, 2023

October 2023 TPB meeting recap: Transit Within Reach approvals, state carbon reduction strategies
November 13, 2023

Intercity bus and rail experts share plans for service expansions, infrastructure updates
November 14, 2023

Staff shared information about TPB activities via social media:

Vibrant Communities webinar, COG public safety podcast, Project for Public Spaces placemaking week, Maryland draft consolidated transportation plan, Remembering Ron Kirby, deadline for Visualize 2050 initial project comments, WMATA Silver Line extension anniversary, TPB Intercity Travel session, Clean Air Partners car idling.

Staff updated the following COG/TPB website pages:

Transportation Resilience, Transit Within Reach

Staff completed the following in support of Task 1 Long-Range Transportation Planning:

Draft Visualize 2050 logos reviewed by staff and state DOT members of TPB.

Task 5	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL FORECASTING	$3,442,357	$171,710	26%	55

5. TRAVEL FORECASTING

5.1 Network Development
Staff continued preparation of a 2023 base transit network to use as the foundation for forecast-year transit networks for the air quality conformity analysis of Visualize 2050. This work includes mining of GTFS route and schedule data and collection of online schedules for transit service providers where data is not provided via GTFS.

Staff continued review of transportation projects that have been input into the Project InfoTrak (PIT) database for inclusion in the highway and transit networks for the upcoming air quality conformity analysis of Visualize 2050, the region's long-range transportation plan. Staff coordinated with the Virginia Department of Transportation (VDOT) regarding the allowance of trucks on the Express Lanes.

Staff developed an automated procedure in COGTools that performs Quality Assurance/Quality Control (QA/QC) checks on the network files exported from the Unified Network Database. Staff developed a draft memorandum, dated September 11, that documents this work. Staff reviewed the memo, tested the QA/QC module, and provided additional feedback on November 27. The developer is working to address the comments.

Staff are in the process of fixing all DC lanes (considering street parking and new sidewalk space since 2021) for the upcoming 2025 LRTP update.

Staff reviewed and signed off on network revisions that the consultant proposed as part of the Gen3 Model calibration and validation work. Staff plan to include these network revisions, where appropriate, in the current network database.

Staff started to develop a highway and transit network report for the Gen3 Travel Demand Model. This report will be included in the Gen3 Model transmittal package when the model is released for production use.

5.2 Model Development and Support

The Travel Forecasting Subcommittee (TFS) meets in odd-numbered months. Staff attended the November 17 TFS meeting and started preparing meeting highlights. The meeting covered the following topics:

- Arlington County, Virginia Travel Model: Status Report
- COG/TPB Gen3 Travel Model: Status Report
- Thank Outgoing Chairs and Announcement of New Chair for 2024

The chair of the TFS rotates on a calendar-year basis between four entities: the District of Columbia, Maryland (state or local agency), Virginia (state or local agency), and a transit or regional agency. Based on the recent rotation order, the upcoming chair should be a representative from Virginia. The 2024 TFS chair will be Mr. Harun Rashid, Planning Analytics Manager for the Northern Virginia Transportation Authority (NVTA).

Generation 2/Ver. 2.4 Travel Model

Staff recently developed the Gen2/Ver. 2.4.6 Travel Model, which is to be used for the upcoming 2025 LRTP Update. In November, staff continued to distribute the transmittal package for the model in response to a series of data requests.

After staff had released, in September and October, the draft Round 10.0 land use data from the Cooperative Forecasts, including the employment adjustments to ensure that a consistent employment definition was used throughout the modeled area, one of the data recipients sent staff questions about the land use data for specific zones. In November, COG's Department of Community Planning and Services (DCPS) staff were working with local jurisdictions to fix the data anomalies. Staff will re-process the data once it is updated.

The updating of the exogenous model inputs based on the Round 10.0 land use forecasts was put on hold due to the ongoing investigation of the draft Round 10.0 land use data.

Staff conducted Gen2/Ver. 2.4.6 Travel Demand Model runs using the draft Round 10.0 land use inputs files and compared the results with those from the production model runs with Round 9.2 land use inputs. Staff documented the results and findings in a memo dated November 15.

Staff started to compile the observed daily vehicle miles of travel (VMT) data for the year 2022. The data has been used to support both model development and model application activities. As of November, staff have obtained data from DC, Maryland, and West Virginia but are still waiting for Virginia to release the 2022 traffic data publications.

Generation 2/Ver. 2.4_Public Transport (PT) Travel Model

No updates.

Generation 3 Travel Model

Regarding the consultant-assisted project to develop the TPB's next-generation travel demand forecasting model, known as the Gen3 Model, which will be an activity-based travel model (ABM) implemented in ActivitySim software:

- COG held two check-in meetings with RSG and BMG, the consultants on the Gen3 Model development project on November 9 and 29.

- Staff continued to work with RSG on the development of the Gen3, Phase 2, Model. Specifically,
    - After COG staff signed off on the latest model validation results, RSG issued a GitHub pull request (PR) for merging the develop branch that contains all the recent model code changes (mostly related to model calibration/validation), COG staff reviewed the PR and suggested additional changes. After RSG staff made the suggested changes, COG staff are in the process of testing the develop branch of the Gen3 Model before approving the PR.
    - Staff started to replicate the calibration processes for the telecommute frequency model and auto ownership model after COG staff obtained related working files and instructions from RSG.
    - In November, some staff members reviewed the BMG portion of the Phase 2 sensitivity testing report that documents the findings from the Phase 2 sensitivity tests conducted by BMG/RSG. This document is still under internal review.
    - COG received the draft Phase 2 model calibration and validation report from RSG and started to review the document.
    - As part of the Phase 2 sensitivity testing, COG staff continued to work on two additional tests related to Autonomous Vehicles (AVs) and equity, respectively.
        - RSG made updates to AV-related models that addressed the issues identified in COG's October AV analysis. COG staff reran the AV sensitivity test with the updated model files and documented the updated results and findings in a memo dated November 29. COG staff shared the memo with RSG for comments.
        - Staff completed the equity test and started to work on the documentation. In November, the documentation was put on hold due to other work priorities.
    - Staff proposed and implemented a methodology to integrate the toll setting process in the Gen3 Model flow. The preliminary testing results looked reasonable to both COG and RSG staff. Staff plan to rerun all the tests after receiving the final Gen3 Model from RSG. This is currently on hold.
    - In preparation for the upcoming Gen3 Model usability evaluation, staff started to assemble model inputs for all the Visualize 2050 analysis years. In November, staff ran the MWCOG Population Synthesizer to generate synthetic populations for all the analysis years. While performing QA/QC checks on the results, however, COG staff discovered an issue that is inherent in the software, discussed it with PopulationSim experts at RSG, and posted a note about the issue on GitHub for a potential solution. This work is currently on hold due to the ongoing investigation of the draft Round 10.0 land use data.
    - COG staff continued to make enhancements and bugfixes to the Gen3 Model. Specifically,
        - Staff made changes to the MWCOG Population Synthesizer related to the update based on the draft Round 10.0 land use forecasts.
        - Staff fixed a batch file that runs the MWCOG Population Synthesizer and included the automatic shutdown feature in it.
        - Staff noticed an issue related to the environment name and proposed a solution to RSG. RSG staff implemented the fix in the Gen3 Model code.
        - Staff modified the main batch file to check if specified Mamba/Anaconda/Python paths exist.
        - Last year, staff proposed a methodology to integrate toll setting in the Gen3 Model flow. The preliminary testing results looked reasonable. COG staff plan to implement this process after RSG delivers the final Gen3 Model and re-runs the tests. This is currently on hold.

Software support

Working with COG's Office of Information Technology (IT), TPB staff continued to maintain the software and hardware used to conduct travel demand forecasting and mobile emissions modeling. Hardware includes travel model servers (TMS) and mobile emissions model workstations (MEMWs) maintained at COG. Software includes Bentley Citilabs Cube, Python, Git/GitHub, R, MOVES, MySQL, MariaDB, and a travel speed post processor, implemented in Cube, for estimation of mobile emissions.

Staff have continued to meet, conduct model tests, and work with IT staff to implement the migration of workstations and servers to the cloud. The migration of travel demand model and MOVES model servers to the Amazon Web Services (AWS) cloud began in December 2022, and it was completed in January 2023. TPB staff are continuing to conduct tests to ensure that the processes that used to be executed using the on-premises computers can now be executed in the cloud. TPB staff are continuing to back-up the files located on the on-premises servers.

Other activities

Staff serviced one data request in November: The request was for the Gen2/Ver.2.4 and Gen2/Ver2.4.6 travel models from a consultant working for DDOT on the North Capitol Corridor Study.

Staff attended ActivitySim Consortium meetings regularly on Tuesdays. Staff also attended a series of ad-hoc partners-only meetings to discuss the ActivitySim roadmap.

Staff attended Northern Virginia Transportation Authority's (NVTA's) November InNoVAtion Lunch & Learn zoom meeting on November 2.

On November 7, staff had a meeting with a Cornell University team led by Professor Oliver Gao on a tool, called the Cornell University Post-Processing Software (CU-PPS), which integrates Activity-Based Models (ABMs) with the EPA's MOVES model.

Staff conduct daily modeling work on AWS cloud servers. Staff worked with COG's IT staff to resolve issues encountered on the AWS servers. Specifically, staff had a coordination meeting with IT on November 17.

Task 6	BUDGET	Billed this month	% Funds Expended	UPWP Page
MOBILE EMISSIONS PLANNING	$2,922,011	$172,830	27%	59

6. MOBILE EMISSIONS PLANNING

6.1 Air Quality Conformity and Other Activities Associated with the Long-Range Transportation Plan
Staff continued to attend coordination meetings related to scheduling tasks for the 2025 update of the region's LRTP (Visualize 2050), including the air quality conformity analysis, system performance, and environmental justice analysis. This activity also included coordination of air quality conformity timelines to synchronize with schedules for Maintenance or Attainment State Implementation Plans (SIPs) and new Motor Vehicle Emissions Budgets (MVEBs).

Staff continued to review projects that have been input into the Project InfoTrak (PIT) database for possible inclusion in the upcoming air quality conformity analysis of Visualize 2050. Staff began to work to design programs that compare the conformity table with the PIT table, which would expedite the process. Staff also continued to hold question and answer sessions for implementing agencies related to coordination of conformity project inputs in the PIT air quality conformity project input table.

Staff began to coordinate activities with the Maryland Department of Transportation (MDOT) and the Virginia Department of Transportation (VDOT) regarding the project inputs for modeled jurisdictions outside of the TPB Planning Area (e.g., Calvert-St. Mary's MPO in Maryland and the Fredericksburg Area MPO in Virginia).

In accordance with the TPB consultation procedures, staff forwarded to the consultation agencies and public advisory committees the TPB meeting agenda and a summary memo regarding the monthly TPB meeting and air quality conformity consultation elements.

6.2 Mobile Emissions Analysis, Including Activities Associated with Climate Change Planning

Staff from COG's Department of Environmental Programs (DEP) and COG's Department of Transportation Planning (TPB staff) continued to coordinate with state air agencies on the update of motor vehicle emissions budgets (MVEBs) associated with the 2008 Ozone Maintenance State Implementation Plan (SIP). This MVEB update is being conducted to ensure that the tools used to develop future air quality conformity emissions estimates are consistent with the tools used to develop the MVEBs - i.e., that both are based on the current MOVES3 model. Given that the Metropolitan Washington Air Quality Committee approved the plan in September 2023, the EPA is now expected to approve the updated 2008 Ozone Maintenance Plan with new MVEBs in the next few months. TPB staff provided a briefing to the TPB Technical Committee regarding these activities (item #6).

DEP staff also continued to evaluate the impacts of air quality monitor readings during the 2023 ozone season on our region's ability to meet the 2015 National Ambient Air Quality Standards for ozone and the region's prospects for applying for "Exceptional Events Exemption Requests," as many of the ozone monitor exceedances were likely due to the wildfires in Canada (MWAQC-TAC, item #7).

TPB staff continued to work with DEP staff, member jurisdictions, and state air agencies to facilitate various aspects of air quality and climate change planning activities in the region.

Staff continued to coordinate planning activities with the state departments of transportation related to the Carbon Reduction Program (CRP). This program, recently established by the Bipartisan Infrastructure Law (BIL), provides funds for projects designed to reduce on-road transportation emissions. As part of this program, each state was required to develop, by November 15, 2023, a Carbon Reduction Strategy, which should support efforts to reduce transportation emissions and identify projects and strategies to reduce these emissions.

Staff continued to monitor developments related to the Climate Pollution Reduction Grants (CPRG) Program, established by the Inflation Reduction Act. This program provides an investment of $5 billion to support efforts by states, municipalities, air pollution control agencies, and tribes to develop and implement strong, local greenhouse gas reduction strategies. DEP staff organized a kick-off meeting regarding the initiative and briefed the Climate, Energy, and Environment Policy Committee (item #5) and the TPB Technical Committee (Other Business) on recent developments.

Staff continued to participate in electric vehicle (EV) planning activities. TPB staff and ICF staff (project consultant) held check-in meetings for the Regional Electric Vehicle Infrastructure Implementation (REVII) Strategy project and reviewed an updated Task 2 memorandum entitled "Electric Vehicle and Charging Needs Assessment and Forecast Proposed Methodology," produced by ICF.

Staff reviewed the final rule for "National Performance Management Measures; Assessing Performance of the National Highway System, Greenhouse Gas Emissions Measure," announced on November 22, 2023. This new element of the Performance Based Planning and Programming (PBPP) includes planning requirements for the states and MPOs (e.g., setting declining greenhouse gas emissions targets).

In response to a request by the DTP Transportation Operations Programs director, staff estimated emissions reductions associated with the 2023 Car Free Day and documented the analysis in a memorandum.

In response to a request by the DTP Transportation Operations Programs director and in support of the Baltimore Guaranteed Ride Home Program, TPB staff estimated emissions rates for the Baltimore Regional Transportation Board (BRTB) jurisdictions and documented the analysis in a memorandum and a spreadsheet. To complete this task, TPB staff worked closely with the BRTB staff.

To further enhance climate change planning in the region, staff continued to participate in various related activities at the national level. In support of the FHWA Every Day Counts (EDC) Initiative, staff attended a half-day peer exchange called "Integrating GHG Assessment and Reduction Targets in Transportation Planning: Goals, Target Setting, and Analyzing GHG Strategies" (November 29, 2023).

As the version of MOVES that was last used in the air quality conformity analysis (MOVES2014b) cannot be used for these types of analyses starting with January 2023, TPB staff continued to conduct MOVES model tests using the most recent model version (MOVES3.0.4) and evaluate the impacts of new software on both criteria pollutants and greenhouse gases (GHGs). Staff also continued to evaluate a draft version of the most recent developmental MOVES model, MOVES4, and will continue to monitor model development activities related to the new tool.

Task 7	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL MONITORING AND DATA PROGRAMS	$5,344,964	$94,562	9%	63

7. TRAVEL MONITORING AND DATA PROGRAMS

7.1 Transportation Research and Analysis
Recruiting a program manager for travel monitoring and planning assistance continued throughout November.

Staff conducted research to develop the scope for a future Household Travel Survey (HTS).

Staff reached out to MPO stakeholders to discuss recent HTS efforts.

Staff held an internal meeting to discuss the development of the MetroQuest survey for Visualize 2050.

Traffic Trends
Staff continued to research the delay in the Virginia 2022 VMT and AADT data release.

Staff determined that the District of Columbia 2021 HPMS file hosted by FHWA contained unusable information and began to develop a work-around for issues.

Staff finalized the assignment of traffic counts to network links were counting locations no longer exist. In addition, staff continued to add 2019-2021 traffic count data by link for inclusion in the RTDC while creating step-by-step instructions of the process.

Staff responded to a question from DDOT staff about different reporting units for VMT used by COG/TPB and FHWA.

Staff worked to document various projects for succession planning.

After attending GIS Day at COG/TPB, staff had ArcGIS Pro installed and began exploring the new software.

Data Requests
COG/TPB staff fielded a RTS data request from Fehr & Peers.

Meetings & Conferences
COG/TPB staff participated in biweekly meetings with the Gen3 Model Development Team.

7.2 Data Management and Visualization Services

During November, COG/TPB began a 1-year subscription to a big data product, Street Light, which will be applied in regional travel trends and travel behavior analyses to assess the efficacy of using Big Data products such as this as part of a long-term regional travel trends research program.

Staff completed the update to the spatial data for National Capital Trail Network (NCTN). Staff created several draft maps and a map application in support of this work and the presentation to the Technical Committee.

Staff met with TPB's consultant for the HCT Local Transit Analysis Coordination project, Foursquare, to discuss the spatial data deliverables and data hosting options and plans. This coordination is ongoing on an as-needed basis.

Staff reviewed the scope of work (SOW) from the consultant for the project "Analysis of Transportation Inequities in Disadvantaged Communities."

Staff hosted and participated in TPB/COG's GIS Day celebration event. Staff organized and created documentation and designed two surveys and a StoryMap application that featured content received from fellow TPB/COG staff.

Staff met with fellow staff to discuss the geospatial data needs and requirements to support Visualize 2050. This work is ongoing.

Staff continued organizing and updating TPB's online content in ArcGIS Enterprise Portal and ArcGIS Online. This work is ongoing.

Staff met with DTP's Planning Data and Research Program Director and IT staff to discuss cloud migration plans for TPB/COG's GIS hardware and software environment.

GIS Committee/GDX Working Group

Staff continued to plan the next meeting of the GIS Committee, which will be held in December due to scheduling conflicts.

Data Requests

Staff responded to a data request from a student from Arizona State University regarding transportation data for the Washington DC metropolitan region.

Meetings & Conferences

Staff attended and participated in the Maryland State Geographic Information Committee (MSGIC) executive committee meeting on November 8.

Staff presented to the TPB Technical Committee at its November meeting on the 2023 update of the National Capital Trail Network.

Staff attended and presented a draft map of the National Capital Trail Network at the November meeting of the Bicycle and Pedestrian Subcommittee meeting held on November 19.

Staff attended the TPB Freight Subcommittee meeting on November 9.

Staff attended the November meeting of the Regional Public Transportation Subcommittee held November 28.

Staff participated in the recurring meeting related to Visualize 2050 planning activities on November 17.

Staff continued to attend several additional meetings with the Plan Development and Coordination staff related to Project InfoTrak inputs and MetroQuest survey development in support of Visualize 2050.

Staff continued to attend the regularly scheduled meetings for the Regional Electric Vehicle Infrastructure Implementation (REVII) Strategy project.

Staff participated in meetings and email exchanges with the Travel Forecasting and Emissions Analysis Program team and their contractor, RSG.

Task 8	BUDGET	Billed this month	% Funds Expended	UPWP Page
REGIONAL LAND USE AND TRANSPORTATION PLANNING COORDINATION	$1,211,231	$73,000	26%	67

8. REGIONAL LAND USE AND TRANSPORTATION PLANNING COORDINATION

8.1 Regional Land Use and Transportation Coordination
During November, staff began research into potential anomalies in the 2020 employment estimates of the Round 10.0 Cooperative Forecasts in several TAZs in the region. Staff mapped and assessed differences in the Round 9.2 2020 employment 'forecast' and the Round 10.0 2020 base year

employment estimates, identifying two dozen TAZs that warranted research. Based on those assessments, staff contacted several member districts and Baltimore Metropolitan Council (BMC) staff to discuss the differences, providing them with maps and comparative spreadsheets.

To address economic growth and design challenges, staff hosted the November 17 meeting of the Planning Directors focused on presentations on "Placemaking in Suburbia – Lessons Learned and Next Steps" led by Adam Dodgshon, Planning Supervisor, Prince George's County Planning Department, and "Placemaking in Laurel" led by Robert Love, Director of Economic and Community Development, City of Laurel. Staff briefed the Committee on additional information concerning the planned Round 10.0 Regional Activity Centers update.

During November, staff continued work to analyze CoStar real estate data to be used in drafting the 2023 multi-family rental construction report.

To assist with monitoring the economy and the Cooperative Forecasts, staff compiled the November Regional Economic Monitoring System (REMS) report which showed that In October, over-the-year employment increased by 60,100 jobs or 1.8 percent in the Washington Metropolitan Statistical Area (MSA), while the national over-the-year employment increased by about 2.9 million jobs or 1.9 percent. Locally, the Leisure & Hospitality Sector gained 12,900 jobs and the Educational & Health Services Sector gained 20,000 jobs during the last year. (373,800 jobs were lost between March 2020 and April 2020) The Washington region has recovered 442,200 jobs between April 2020 and October 2023 – 102.1 percent recovery. The region's inflation increased in September to 3.3 percent from a rate of 1.8 percent in July. During October, the region's unemployment rate increased to 2.7 percent, while the national rate remained at 3.6 percent. The 1,848 new housing units authorized during October 2023 represent a 13.2 percent decrease from October 2022, when 2,129 new units were started.

Staff reviewed changes to designated urban areas in the region and discussed their implications with state department of transportation representatives at the November 28 meeting of the State Technical Working Group.

Task 9	BUDGET	Billed this month	% Funds Expended	UPWP Page
COMPLETE STREETS, MOBILITY AND ENHANCEMENT PROGRAMS	$1,135,269	$33,368	14%	69

9. COMPLETE STREETS, MOBILITY AND ENHANCEMENT PROGRAMS

9.1 Enhanced Mobility Grant Program
During the month of November, TPB staff advanced the selection process for the 2023 solicitation program for approximately $10.2 million. After finalizing selection committee members in October, which includes local and national human transportation experts, staff compiled application materials, creating summaries, and providing the materials to committee members to support their review of applications. The selection committee submitted scoring sheets back to TPB staff by November 3, and met on November 9 to discuss final recommendations for staff. TPB Staff supported the Selection Committee meeting and follow-up requests for additional information. After the committee finalized their decisions, staff began the process for finalizing selections for awards.

9.2 Regional Roadway Safety Program.

FY 2024 Regional Roadway Safety Program approved projects held kick-off meetings in November to begin work.

9.3 Transportation Alternatives Set-Aside Program
Staff prepared for the upcoming project selection process for Virginia. VDOT sent TPB staff 25 applications for review on November 30. Staff identified selection panel members and developed a schedule for evaluating applications and selecting projects for funding.

9.4 Transportation/Land-Use Connections (TLC) Program
Work on all the FY 2024 TLC projects was underway. See below:

- Alexandria - South Pickett Street Corridor Improvements Study – The second meeting occurred on November 1. It covered a site visit from late October, data gathering from the consultant, and getting ready for a virtual public engagement effort. During the month, there were also emails exchanged on comments on draft virtual public engagement tools and dates.
- Falls Church - East-West Ped/Bike Connection - The project team initiated existing conditions research, including a stakeholder meeting.
- Frederick, City of - East Street Redesign 30% Design – The project team worked on CADD basemapping, typical section development, and field observations for potential traffic management and safety challenges, including coordination with a major industrial landowner.
- Gaithersburg - SRTS Priority Improvements Study - Initial tasks for the project got underway. In November, a GIS analysis and engagement plan were being developed, along with efforts to communicate with the three participating schools.
- Montgomery County - Flex Microtransit Post-COVID Planning Study – Startup work on the project got underway.
- Prince George's County - Bus Stop Safety & Accessibility Study – Preliminary research for the project got underway. A stakeholder meeting for December was scheduled.
- Prince William County - Green Infrastructure Study - Preliminary research for the project got underway.
- Prince William County - Yorkshire Multimodal Corridor Planning Study – A stakeholder meeting was conducted on November 17. Existing conditions research was conducted.
- Rockville, City of - Mannakee Street Complete Streets Feasibility Study – The consultant and city staff have set up a calendar for monthly meetings. The consultant also requested existing data from Rockville. At the same time, the consultant compiled existing conditions data from various sources for the Study.
- Takoma Park - Laurel Avenue Street Closure Traffic Study - The contractor conducted Task 2 preliminary research and data collection and began drafting Task 2 technical memo.

Staff conducted a webinar on November 2 that featured presentations on seven of the FY 2023 TLC projects and projects from the Regional Roadway Safety Program (RRSP). The online seminar used a pecha kucha format, which was designed to be engaging, fast-paced and high-level. The webinar was posted on the TPB's website and was made available for AICP credits from the American Planning Association. Staff prepared for the next solicitation for TLC and RRSP, which will be conducted between January 5 and March 8, 2024.

Staff recruited candidates for an intern to assist with the TLC and RRSP programs between January and June of 2024.

Task 10	BUDGET	Billed this month	% Funds Expended	UPWP Page
TPB MANAGEMENT AND SUPPORT	$1,707,259	$98,935	23%	71

10. TPB MANAGEMENT AND SUPPORT

Transportation Planning Board Committee Support and Management

This task includes activities not attributable to specific tasks in the work program but provides overall support for and management of the TPB and UPWP related activities.

- Provide administrative arrangements (such as preparation and distribution of meeting materials) and staff support for TPB and its various Committees, Sub-Committees, Task Forces and special TPB work groups meetings.
- Respond to requests from TPB members, federal agencies, Congressional offices, media and others for information or data of a general transportation nature
- Meet with TPB Board members and participating agency staff to discuss current and emerging regional transportation planning issues.
- Participate in meetings of other agencies whose programs and activities relate to and impact the TPB work program.
- Coordination of TPB Planning Activities with Program Directors day-to-day management of and allocation of staff and financial resources.
- Monitoring of all work program activities and expenditures.

Staff support was provided for the monthly meetings of the following committees and subcommittees:

- State Technical Working Group (STWG)
- TPB Technical Committee
- TPB Steering Committee
- MWCOG Board meetings
- Transportation Planning Board (TPB)
- MATOC Steering Committee
- TPB Community Advisory Committee (CAC)
- Access for All (AFA)
- Regional Public Transportation Subcommittee (RPTS)
- Bicycle & Pedestrian Subcommittee
- COG Planning Directors
- TPB Freight Subcommittees
- CAOs Monthly
- System Performance Operation & Technology Subcommittee (SPOTS)

The Staff Director gave overall program management oversight into all the Department's activities. Work activities the Director was involved in during the month of November 2023 FY 2024 includes:

- Discussions, review, and finalization of the agenda topics for the TPB's Technical Committee, State Transportation Working Group (STWG) and Board meetings. This includes meeting with the Program Directors and project staff to review the progress and briefing materials for the Program Directors and project staff to review the progress and briefing materials.
- Participation in the STWG, TPB Technical, TPB Steering Committee, TPB's Citizen's Advisory Committee and the TPB Board Meetings.

Other additional activities for the TPB Staff Director for the month of <mark>November 2023 FY 2024</mark> includes Telephone / Web Ex / Microsoft Teams Communications:

- Eno Center for Transportation
- HSE/CAO Committee Joint Meeting
- CAO WMATA Cost Structure Work Group
- GIS DAY @ COG
- COG Planning Directors Meeting
- CAO Work Group Report & Letter Discussion
- COG CAO WMATA Cost Structure Work Group Meeting
- Process for Public Comments – FTA
- Lunch Meeting with HDR
- MDOT Presentation
- WMATA Briefing to TPB @ Viz 2050

UPWP

The UPWP activities include:
- Supervise the preparation, negotiation, and approval of the annual work program and budget
- involving the State Transportation Agencies, the TPB Technical Committee, the TPB Steering Committee and the TPB.
- Preparation of monthly UPWP progress reports for each of the state agencies administering planning funding and prepare all necessary federal grant applications submissions.
- Review all monthly UPWP invoices going to each of the state agencies administering planning funding.

Task 11	BUDGET	Billed this month	% Funds Expended	UPWP Page
TECHNICAL ASSISTANCE	$2,215,511	$13,761	2%	73
District of Columbia	$330,930	$0	0%	73
Maryland	$707,967	$0	0%	75
Virginia	$664,437	$13,761	5%	77
Regional Transit	$512,177	$0	0%	79

11. TECHNICAL ASSISTANCE

11.A District of Columbia

1. Program Development, Data Requests and Miscellaneous Services

No activity.
2. Regional Safety Program
As part of the Regional Safety Program, technical assistance projects were partially funded under the District of Columbia Technical Assistance Program. See Regional Safety program section of this progress report for more details.3. Transportation / Land Use Connections Program

Although the FY 2024 UPWP identifies this subtask for support for the Transportation Land-Use Connections (TLC) Program, no TLC projects are being funded in FY 2024 through this subtask. As a

result, this subtask is identified in the progress report as a placeholder to align with the UPWP document, however, no activity is anticipated during FY 2024.

3. Transportation / Land Use Connections Program
Although the FY 2024 UPWP identifies this subtask for support for the Transportation Land-Use Connections (TLC) Program, no TLC projects are being funded in FY 2024 through this subtask. As a result, this subtask is identified in the progress report as a placeholder to align with the UPWP document, however, no activity is anticipated during FY 2024.

4. Other Tasks to Be Defined
No activity.

11.B Maryland

1. Program Development, Data Requests, and Miscellaneous Services

No activity.

2. Project Planning, Feasibility, and Special Studies
No activity.

3. Transportation / Land Use Connections Program
As part of the Transportation Land-Use Connections Program, four technical assistance projects in Maryland were fully or partially funded under this PE number. The projects were completed on time and within budget by the end of the fiscal year. See TLC item above (9.3) for further details about the TLC Program.

4. Regional Safety Program
As part of the Regional Safety Program, technical assistance projects were partially funded under the Maryland Technical Assistance Program. See Regional Safety program section of this progress report for more details.

5. Other Tasks to be defined

No activity.

11.C Virginia

1. Program Development, Data Requests, and Miscellaneous Services

No activity.

2. Travel Monitoring and Survey
The consultant completed data collection for the FY2024 VDOT I-66/I-395 Mode Share Study and the I-66 Outside the Beltway Mode Share Study Add-on. Staff checked the status of the counts weekly during the counting process. On request, staff updated NVTA staff on the project progress of VDOT I-66/I-395 mode share study.

Staff met with VDOT staff about unusual patterns observed at one of the Fall 2023 active transportation count locations to obtain their input on how this should be reflected in the report. Subsequently, staff finalized the analysis of the spring 2023 active transportation counts, completed the draft report, and delivered it to VDOT staff for comment.

3. Travel Demand Modeling
No activity.

4. Transportation / Land-Use Connections Program

As part of the Transportation Land-Use Connections Program, three technical assistance projects in

Virginia were fully or partially funded under this PE number. The projects were completed on time and within budget by the end of the fiscal year. See TLC item above (9.3) for further details about the TLC Program.

5. Regional Safety Program
As part of the Regional Safety Program, technical assistance projects were partially funded under the Virginia Technical Assistance Program. See the Regional Safety program section of this progress report for more details.

6. Other Tasks to be Defined

No activity.

11.D Regional Transit

1. Program Development, Data Requests, and Miscellaneous

No activity.

2. Transit Within Reach Program
Staff identified a limited list of consultants from whom to request proposals for the three new FY 2024-2025 TWR projects. Staff issued Task Order Requests (TORs) for the projects on November 8. During the proposal development period, staff received and responded to several clarification questions from consultants. Also, during this time staff identified local staff to serve on technical selection committees to review and score the proposals. Six proposals were received by the deadline of November 27.

3, High-Capacity Transit Map
No activity.

4. Other Tasks to be Defined

No activity.

CONTINUOUS AIRPORT SYSTEM PLANNING PROGRAM

Program Management
- COG/TPB staff has updated the monthly enplanement data.
- Staff conducted interviews for a data analyst recruitment to support the CASP program.
- COG/TPB staff supported the November 14 meeting of the Aviation Technical Subcommittee.

Conduct and Process 2022/23 Baltimore-Washington Regional Air Passenger Survey (APS)
- COG/TPB staff coordinated with MAA/MWAA staff to conclude the field operations for the 2023 APS full-scale survey for all three airports (BWI, DCA, IAD).
- COG/TPB staff coordinated with the APS contractor to conclude the field operations for the 2023 APS full-scale survey for all three airports (BWI, DCA, IAD).
- COG/TPB staff delivered a briefing on the 2023 APS focusing on key observations and lessons learned to the Aviation Technical Subcommittee on November 14.

Air Cargo Element Update

- No Activity.

Ground Access Travel Time Study
COG/TPB staff delivered a briefing on the Ground Access Travel Time Study including a selection of preliminary findings on November 14.

PROGRESS ON PLAN PRODUCTS

Task 5. Travel Forecasting

1. Staffing the TPB Travel Forecasting Subcommittee (TFS). In FY 24, the TFS has met on the following dates: 7/21/23, 9/22/23, and 11/17/23.
2. A series of highway and transit networks used by the regional travel demand forecasting model, together with technical documentation, for use in air quality conformity analyses, development of air quality state implementation plans (SIPs), scenario studies, and model development.
   a. Completed development of a new base transit network, reflecting transit network service in December 2022. This included the update of rail service for four time-of-day periods. Staff developed an internal user's guide regarding developing base transit networks. Staff developed an automated procedure in COGTools that performs Quality Assurance/Quality Control (QA/QC) checks on the network files exported from the Unified Network Database.
   b. Updates to networks files
      i. Gen3 Model networks
         1. Staff updated the capacities of road links on two regional screenlines in DC (screenlines #2 and #4) to account for roadside parking in DC. This was done in the 2018 and 2045 networks.
   c. COGTools software and geodatabase
      i. Staff developed an automated procedure in COGTools that performs Quality Assurance/Quality Control (QA/QC) checks on the network files exported from the Unified Network Database. The new procedure is being updated, based on staff feedback, and documented.
3. Development, maintenance, support, and improvement of the COG/TPB regional travel demand forecasting methods, including both the production-use and developmental travel models, and associated documentation.
   a. Gen2/Ver. 2.4 Travel Model
      i. Staff developed the Gen2/Ver. 2.4.6 Travel Model, which is to be used for the upcoming 2025 LRTP. Staff prepared a transmittal package for the model in July.
      ii. COG's Travel Forecasting and Emissions Analysis (TFEA) staff processed the draft Round 10, TAZ-level Cooperative Forecast socio-economic data for travel demand modeling, which includes interpolating the data (from five-year increments to annual increments) and applying the jurisdiction-level employment definition factors to the zone-level data, to ensure that a consistent definition of employment is used throughout the modeled area. Due to some anomalies found in the TAZ-level data, a revised version of the draft data will likely be released in January.
   b. Gen3, Phase 1 Travel Model: Completed in FY 23.
   c. Gen3, Phase 2 Travel Model
      i. Sensitivity tests
         1. Proof of concept test of the autonomous vehicle (AV) model: COG staff conducted a model run for the 2045 baseline scenario, set up the calibration process, and adjusted the AV targets by income segment. Work has been documented in a memo and a chapter of the sensitivity test report.
         2. Proof of concept test of conducting equity analyses: Staff conducted model runs for the 2018, 2045 No Build, and 2045 Build scenarios. Staff started to generate the equity indicator summary tables for the three scenarios.

          ii. COG staff developed a Python based view-from-space (VFS) summary script.

          iii. Per request from RSG, COG staff conducted a re-review of the draft Gen3 Model User's Guide and provided feedback in July.

    d. Travel model-related data requests: This fiscal year, staff have responded to 22 data requests.

4. Keep abreast of best practices in travel demand modeling.
    a. Staff following developments from the Transportation Research Board (TRB) and the U.S. DOT Travel Model Improvement Program (TMIP) email distribution list.
    b. Modeling staff attended the regular Tuesday and Thursday ActivitySim Consortium meetings. The consortium includes 11 public-sector agencies, including MPOs and DOTs.
    c. Staff attended the Association of Metropolitan Planning Organizations (AMPO) Annual Conference in Cleveland, Ohio from September 26 to 28, which covered topics in travel demand modeling, climate change planning, and equity analysis.

Task 6. Mobile Emissions Planning

1. Activities related to conducting regional air quality conformity analyses, such as conducting runs of the travel model and mobile emissions model and preparing technical documentation.
    a. Staff continued to attend coordination meetings related to scheduling tasks for the 2025 update of the region's LRTP (Visualize 2050), including the air quality conformity analysis, system performance, and environmental justice analysis.
    b. Staff communicated with VDOT regarding whether specific projects are "regionally significant" for the purposes of air quality conformity.
2. Keep abreast of federal requirements related to air quality conformity determinations and the EPA's Motor Vehicle Emission Simulator (MOVES) software.
    a. Staff attended MOVES4 webinars hosted by the EPA in July and September.
    b. Staff continued to conduct test runs of both MOVES3 and MOVES4 and continued to monitor model development activities related to the MOVES model.
3. Support development of an Attainment/Maintenance State Implementation Plans (SIPs) regarding the 2008 and 2015 ozone National Ambient Air Quality Standards (NAAQS), including developing inventories of on-road mobile emissions for volatile organic compounds (VOC) and nitrogen oxides (NOx).
4. Coordinate with MWAQC and its subcommittees to support development of new motor vehicle emissions budgets (MVEBs), if needed, to address requirements of 2008 and 2015 ozone NAAQS.
    a. Staff continued to attend coordination meetings, including MWAQC and MWAQC-TAC.
5. Climate Change Planning: Provide support for efforts to mitigate climate change due to the on-road transportation sector.
    a. Staff continued to coordinate planning activities with the state departments of transportation related to the Carbon Reduction Program (CRP). This program, recently established by the Bipartisan Infrastructure Law (BIL), provides funds for projects designed to reduce on-road transportation emissions.
    b. Staff continued to participate in electric vehicle (EV) planning activities. DEP staff and TPB staff held internal planning meetings for the Regional Electric Vehicle Deployment (REVD) Working Group. TPB staff and ICF staff (project consultant) presented an overview of the Regional Electric Vehicle Infrastructure Implementation (REVII) Strategy project at the July REVD meeting.
    c. Staff attended two EPA webinars related to the CPRG ("Programs, Tools, and Resources Used for Evaluation and Quantification of GHG Reduction Measures" on

August 2 and "The Landscape of Measure-level GHG Quantification in Existing Climate Action Plans" on August 9).

6. Air-quality-related data requests: This fiscal year, staff have responded to nine air-quality-related data requests.

7. Joint letter: Bonds, Anita, Chair, Metropolitan Washington Air Quality Committee (MWAQC), Takis Karantonis, Chair, Climate Energy and Environment Policy Committee (CEEPC), Reuben Collins, Chair, National Capital Region Transportation Planning Board (TPB). Letter to Ann E. Carlson and National Highway Traffic Safety Administration. "Support for the Proposed Rule to Establish Corporate Average Fuel Economy Standards for Passenger Cars and Light Trucks for Model Years 2027–2032 and Fuel Efficiency Standards for Heavy-Duty Pickup Trucks and Vans for Model Years 2030–2035; Docket ID No. NHTSA–2023–0022," September 27, 2023.

Task 7. Travel Monitoring and Data Programs

7.1 Transportation Research and Analysis

- Presentations, visualizations, and information reports on travel monitoring and travel trends analyses

    o Ongoing
- Recommendations, workplan, and documentation of initial activities for ongoing Regional Travel Survey.
    o Ongoing
- Recommendations, workplan, and documentation of initial activities for Regional Transit Onboard Survey activities
    o Ongoing, including consulting with TPB Committees
- Workplan and documentation of activities for inter-city bus and rail survey.
    o Ongoing
- Recommendations, workplan, and documentation of initial activities for Regional Bike Count Program along Regional Network
    o Ongoing
- Technical Support
    o Ongoing

7.2 Data Management and Visualization Services
- Data management plan recommendations and documentation
    o Ongoing
- Travel monitoring datasets to support PBPP and Gen3 modeling requirements
    o Ongoing
- Travel trends and dashboard and visualizations
    o Ongoing
- Technical reports/memoranda
    o Ongoing, as needed.
- Presentations
    o Ongoing, as needed.

Task 8. Regional Land Use and Transportation Planning Coordination

- Analysis of Activity Center and High-Capacity Transit Station area historic trends and forecasts

- o Ongoing
- Presentations, visualizations, and information reports
  - o Ongoing
- Workplan and documentation of initial activities for updating Regional Activity Centers Map
  - o Under development
- Updated Cooperative Forecasting land activity forecasts and documentation, if necessary
  - o Concluding Round 10. Need to update Round 10 not yet determined.
- Technical support
  - o Ongoing
- Annual Baseline Employment Guidance
  - o Work commences later in the fiscal year.

CONTINUOUS AIRPORT SYSTEM PLANNING PROGRAM

- Conduct and Process 2023 Washington-Baltimore Regional Air Passenger Survey
  - o Data collection complete. Data processing Ongoing
- Air Cargo Element Update
  - o Not started.
- Ground Access Travel Time Study
  - o Ongoing

FY 2024 TRANSPORTATION PLANNING BOARD
COG/TPB BUDGET EXPENDITURE SUMMARY
November 2023

	DC, MD and VA FTA, FHWA and LOCAL BUDGET TOTAL	FUNDS EXPENDED	BILLED THIS MONTH	% FUNDS EXPENDED
1. Long-Range Transportation Planning				
Long - Range Transportation Planning	1,136,668.51	354,203.28	69,763.09	31%
Subtotal	**1,136,668.51**	**354,203.28**	**69,763.09**	**31%**
2. Transportation Improvement Program				
Transportation Improvement Program	353,708.82	72,989.6	10,284.27	21%
TIP Database Support	230,000.00	94,606.25	18,921.25	41%
Subtotal	**583,708.82**	**167,595.85**	**29,205.52**	**29%**
3. Planning Elements				
Congestion Management Process	833,870.74	173,445.51	39,422.73	21%
Systems Performance, Ops & Tech Planning	430,355.33	133,971.13	27,617.25	31%
Transportation Emergency Preparedness Planning	139,196.00	49,448.75	12,604.89	36%
Transportation Safety Planning	407,497.86	46,815.73	11,635.01	11%
Bicycle & Pedestrian Planning	198,851.96	62,237.72	12,905.82	31%
Regional Public Transportation Planning	573,566.35	171,069.64	31,294.27	30%
Freight Planning	396,491.66	65,300.73	12,723.11	16%
Metropolitan Area Transportation Operation Coord Program Planning	171,139.72	34,359.11	9,358.26	20%
Performance-Based Planning & Programming	216,047.96	52,497.66	15,136.81	24%
Resilience Planning	538,120.51	150,462.87	56,596.98	28%
Subtotal	**3,905,138.09**	**939,608.85**	**229,295.13**	**24%**
4. Public Participation				
Public Participation	753,904.21	283,727.21	59,822.31	38%
Subtotal	**753,904.21**	**283,727.21**	**59,822.31**	**38%**
5. Travel Forecasting				
Network Development	1,173,454.94	375,159.41	71,829.91	32%
Model Development	2,268,902.50	531,120.96	99,880.92	23%
Subtotal	**3,442,357.44**	**906,280.37**	**171,710.83**	**26%**
6. Mobile Emissions Planning				
Air Quality Conformity	1,221,950.95	363,385.36	81,169.8	30%
Mobile Emissions Analysis	1,700,061.94	437,257.18	91,661.1	26%
Subtotal	**2,922,012.89**	**800,642.54**	**172,830.9**	**27%**
7. Travel Monitoring and Data Programs				
Research & Analysis	4,458,336.48	276,424.07	51,217.57	6%
Data Visualization & Management	886,626.84	223,698.84	43,345.22	25%
Subtotal	**5,344,963.32**	**500,122.91**	**94,562.79**	**9%**
8. Planning Scenarios and Socioeconomic Forecasting				
Socioeconomic Forecasting	1,211,231.11	316,978.46	73,000.25	26%
Subtotal	**1,211,231.11**	**316,978.46**	**73,000.25**	**26%**
9. Complete Street Mobility and Enhancement Programs				
Transportation and Land Use Connections Program	622,450.01	92,212.86	18,471.28	15%
Enhanced Mobility Grant Program	97,904.69	40,699.9	7,737.81	42%
Transportation Alternatives Set-Aside Programs	37,912.20	22,961.33	5,467.22	61%
Regional Roadway Safety Program	377,004.84	7,707.25	1,691.87	2%
Subtotal	**1,135,271.74**	**163,581.34**	**33,368.18**	**14%**
10. TPB Support and Management				
TPB Support and Management	1,707,259.82	394,512.94	98,935.55	23%
Subtotal	**1,707,259.82**	**394,512.94**	**98,935.55**	**23%**
Core Program	**22,142,515.95**	**4,827,253.75**	**1,032,494.55**	**22%**
A. District of Columbia Technical Assistance				
Program Development & Misc.	330,931.43	0	0	0%
B. Maryland Technical Assistance				
Program Development & Misc.	707,968.41	0	0	0%
C. Virginia Technical Assistance				
Program Development & Misc.	664,438.02	35,424.19	13,761.6	5%
D. Public Transit Technical Assistance				
Program Development & Misc.	512,176.17	0	0	0%
Technical Assistance	**2,215,514.03**	**35,424.19**	**13,761.6**	**2%**
TPB Grand Total	**24,358,029.98**	**4,862,677.94**	**1,046,256.15**	**20%**

FY 2024 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE
November 2023
SUPPLEMENT 1

	TOTAL AUTHORIZED BUDGET	TOTAL EXPEDITURES	FTA/STA/LOCAL AUTORIZED BUDGET	FTA EXPENDITURES	PL FUNDS/LOCAL AUTORIZED BUDGET	FHWA EXPENDITURES
A. District of Columbia Technical Assistance						
Program Development, Data Requests, & Misc	14,999.52	0.00	442.54	0.00	14,556.98	0.00
Regional Roadway Safety Program	30,000.00	0.00	885.11	0.00	29,114.89	0.00
Transportation/Land Use Connections Program	0.00	0.00	0.00	0.00	0.00	0.00
TBD	285,931.91	0.00	8,436.07	0.00	277,495.84	0.00
Subtotal	**330,931.43**	**0.00**	**9,763.72**	**0.00**	**321,167.71**	**0.00**
B. Maryland Technical Assistance						
Feasibility/Speacial Studies	25,001.54	0.00	737.64	0.00	24,263.90	0.00
Program Development & Misc	14,999.52	0.00	442.54	0.00	14,556.98	0.00
Planning Studies	185,000.00	0.00	5,458.20	0.00	179,541.80	0.00
TBD	172,967.35	0.00	5,103.19	0.00	167,864.16	0.00
Transportation Performance Measures	310,000.00	0.00	9,146.17	0.00	300,853.83	0.00
Subtotal	**707,968.41**	**0.00**	**20,887.74**	**0.00**	**687,080.67**	**0.00**
C. Virginia Technical Assistance						
Program Development & Misc	14,999.52	565.82	442.54	16.69	14,556.98	549.13
MARC - VRE Runthrough - VA	185,000.00	0.00	5,458.20	0.00	179,541.80	0.00
Sub Regional Plan Studies	0.00	36.00	0.00	1.06	0.00	34.94
TBD	14,138.12	0.00	417.13	0.00	13,720.99	0.00
Transportation/Land Use Connection Program	185,000.00	0.00	5,458.20	0.00	179,541.80	0.00
Travel Demand Modeling	14,999.52	0.00	442.54	0.00	14,556.98	0.00
Travel Monitoring	250,300.86	34,805.47	7,384.82	1,026.89	242,916.04	33,778.58
VA Other Tasks	0.00	16.90	0.00	0.50	0.00	16.40
Subtotal	**664,438.02**	**35,424.19**	**19,603.43**	**1,045.15**	**644,834.59**	**34,379.04**
D. Public Transportation Technical Assistance						
Program Development & Misc	14,999.52	0.00	14,999.52	0.00	0.00	0.00
Regional HCT Graphic/Map	90,000.00	0.00	90,000.00	0.00	0.00	0.00
TBD	157,176.65	0.00	157,176.65	0.00	0.00	0.00
Transit Within Reach Solicitation	250,000.00	0.00	250,000.00	0.00	0.00	0.00
Subtotal	**512,176.17**	**0.00**	**512,176.17**	**0.00**	**0.00**	**0.00**
Grand Total	**2,215,514.03**	**35,424.19**	**562,431.06**	**1,045.15**	**1,653,082.97**	**34,379.04**