FY 2024

National Capital Region
Transportation Planning Board

Work Program Progress Report
February 2024

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 February. 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	$98,975	55%	41

1. LONG-RANGE TRANSPORTATION PLANNING
Task 1.1 – Visualize 2045 Implementation
Staff completed the list of projects proposed for Visualize 2050 aligned with the priority strategies of expanding the express highway network and BRT/Transitways. Staff documented the assessment in the Tech.Com./TPB memo and power point to be presented at the March 2024 meetings. These strategies were listed as aspirational initiatives in the 2045 plan, and it is clear stakeholders have been working hard to implement these transportation solutions throughout the region. TPB staff also reported on the progress made to implement the priority strategy of expanding the National Capital Trail Network and the TPB approved a resolution acknowledging its status.

Task 1.2 – Environmental Justice and Equity
Staff finalized the Spanish-language comment period form, communication outreach tools via social media, and newspaper advertising.

Task 1.3 – Future Plan Development
This month staff finalized comment period materials related to the air quality analysis inputs to Visualize 2050. Materials included the air quality conformity table, scope of work, a project summary table, and PDF packets of project information as stored in the Project InfoTrak database. Staff continued to clarify project information up until the publishing of materials. Staff took projects' alignment with federal planning factors data, aligned it with the TPB's goals, and identified takeaways to share with members. Staff finalized communication materials of the comment period for newspapers, social media, website, etc.

Staff analyzed how the regionally significant for air quality inputs for Visualize 2050 compared to the projects included in Visualize 2045. Staff prepared presentation and written materials to explain the changes to the Technical Committee and TPB at their March meetings. Staff reviewed the financial information of project inputs submitted to the PIT database for the Visualize 2050 air quality conformity analysis in preparation for the public comment period starting March 1.

Staff held bi-monthly 2050 team meetings, weekly project meetings, and weekly plan development meetings to keep tasks on track. Staff completed the hiring of Clark Communications for graphic design work associated with the website, plan and process documents and began bi-weekly meetings. Staff updated the visualize2050.org website and integrated recommendations from Clark Communications and uploaded comment period materials onto the website. Staff reviewed letters from each state explaining how they reviewed the public comments from 2023 and how it impacted their regionally significant project submissions; these were posted on the visualize website.

Staff continued organizing mapping layers to develop an interactive existing transportation map of the region and reviewing/writing draft plan content. Staff presented to the Technical Committee and the CAC about the upcoming comment period and other key information.

1.4 – Federal Compliance
There has been no activity at this time.

1.5 – Policy Board-Directed Activities

Staff maintained a calendar of key activities and met internally to ensure progress on plan development, and particularly this month the preparations for the March comment period, per the TPB's adopted schedule for the Visualize plan update.

Task 2	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRANSPORTATION IMPROVEMENT PROGRAM	$583,710	$17,514	443%	43

2. TRANSPORTATION IMPROVEMENT PROGRAM

2.1– Transportation Improvement Program (TIP)

On Friday, February 2, the TPB Steering Committee approved three resolutions amending the FY 2023 – 2026 TIP, as requested by the District, Maryland, and Virginia Departments of Transportation (DDOT, MDOT, and VDOT). Each of the amendments were exempt from the air quality conformity requirement.

- TPB SR15-2024 – requested by DDOT to add $22 million in federal highway and District funding to the Aspen Street NW Improvements project, and almost $604,000 in federal and District funding for the Massachusetts Avenue from 20th Street to Waterside Drive NW sub-project which is included in DDOT's Roadway Reconstruction in Ward II TIP project grouping.
- TPB SR16-2024 – requested by MDOT to add approximately $47.7 million in federal transit and university matching funds on behalf of the designated recipient, the University of Maryland, for its Low- and No-Emissions Grant Award, and adds $13.7 million in federal, state, and private funding to establish the National Electric Vehicle Infrastructure (NEVI) Program.
- TPB SR17-2024 – requested by VDOT to advance $2.58 million in local and revenue sharing funds from FY 2025 and 2026 into FY 2024 for the Ryan Road Widening project, and to reflect a decrease in the total project cost by approximately $2.7 million.

In February, TPB staff reviewed and approved requests for administrative modifications to 10 project or program records in the FY 2023-2026 TIP. TPB staff also began the early stages of reviewing projects submitted for the FY 2026-2029 TIP as a part of the conformity inputs for the Visualize 2050 update.

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 February under the baseline maintenance and support contract included:
- Updated the "Federal Project Name" to "TPB Project Name"
- Added missing route to Montgomery County
- Make System and Location Type required for Conformity records
- Add "Pending Financial Close Out" as change reason

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 December under the professional services contract included:
- Replace Visualize 2045 logo with Visualize 2050 logo on Project Description reports
- Add Location Type back to Conformity Report
- Update the Project Description report to suppress the financial table and CMP blocks

EcoInteractive also continued ongoing work on developing the platform upgrade for the Project InfoTrak database application.

Task 3	BUDGET	Billed this month	% Funds Expended	UPWP Page
PLANNING ELEMENTS	$3,905,138	$208,581	41%	45

3. PLANNING ELEMENTS

3.1 Performance-Based Planning
Staff attended national discussions on the FHWA Greenhouse Gas (GHG) Emissions performance measure rule and evaluated options to meet the requirements.

Staff worked on PBPP material for the Visualize 2050 transportation plan.

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
The periodic meeting of the Systems Performance, Operations, and Technology Subcommittee (SPOTS) was organized and conducted on February 15, 2024, discussing results from a regional Traffic Incident Management (TIM) self-assessment exercise which took place in November 2023; an overview of recent big data procurements in the TPB's work program; an update on the military-serving Strategic Highway Network (STRAHNET); and an outlook to future work of the subcommittee. Staff initiated development of a scope of work for an upcoming regional transportation systems management and operations technology inventory.

3.4 Transportation Emergency Preparedness Planning
The regularly scheduled February 14, 2024 Transportation Emergency Preparedness Committee (R-ESF 1) virtual meeting was organized and conducted, discussing current regional transportation emergency preparedness issues.

3.5 Transportation Safety Planning
The Safety Subcommittee met on February 13, 2024. The meeting agenda included briefings by the Arlington County about its Transportation Safety Equity Analysis Report, the City of Richmond's Office of Equitable Transit and Mobility about its programming and outreach efforts, and TPB staff about the results from the Subcommittee's annual member survey.

TPB staff began planning for a potential Safety Summit and reviewed proposals from its on-call planning consultant to develop the 2024 Regional Safety Study. Staff also reviewed safety-related regional air quality conformity inputs for the Visualize 2050 plan.

Staff also attended a regional Vision Zero coordination meeting on February 8.

3.6. Bicycle and Pedestrian Planning
The TPB adopted the updated National Capital Trail Network at its February 21 meeting. The Regional Public Transportation Subcommittee was briefed on the National Capital Trail Network at its February 27 meeting. Staff participated in a COG "Think Regionally" podcast sharing information on bicycle planning in the National Capital Region and promoting awareness of the updated National Capital Trail Network.   The Commuter Connections Bike to Work Guide for 2024 was reviewed and updates and edits provided to Commuter Connections.

3.7 Regional Public Transportation Planning
The Regional Public Transportation Subcommittee met virtually in February. Agenda items included briefings from Prince George's County on their Transit Transformation Project and MARC on their Growth and Transformation Plan Update. TPB staff presented the National Capital Trail Network Update. This was followed by a special session for an interactive demonstration of the Regional High-Capacity Transit Analysis Webmap.

Staff worked on the 2023 State of Public Transportation Report. Staff prepared letters of endorsement for federal grant applications by member jurisdictions. Staff also reviewed transit projects and information being submitted for the Visualize 2050 plan.

Staff briefed the TPB Technical Committee on the scope of work for a study of intercity bus and rail travel into and out of the National Capital Region. Staff reviewed the on-call planning consultants' proposal for the intercity bus and rail travel study. Staff continued working with the consultants on the study of Regional High-Capacity Transit Analysis.

Staff attended several meetings on WMATA funding and the monthly JCC meeting. In addition, staff attended the monthly NVTC MAC meeting.

3.8. Freight Planning
Staff began coordination with the Maryland Department of Transportation (MDOT) to develop recommendations for updating the Critical Rural Freight Corridor (CRFC) and Critical Urban Freight Corridor (CUFC) networks in Suburban Maryland. In addition to reviewing and providing comments on the proposed segments, staff also proposed a process and schedule for the TPB's approval of the CUFC designation updates.

Staff began planning for a potential Curbside Forum.

3.9 Metropolitan Area Transportation Operations Coordination Program Planning
The regularly scheduled February 13, 2024 meeting of the MATOC Severe Weather Coordination Working Group was organized and conducted, hosted at DDOT offices, discussing coordination for transportation agency response to the winter weather season.

The regularly scheduled February 16 virtual meeting of the MATOC Steering Committee was organized and conducted, discussing communications, coordination, and Traffic Incident Management topics.

The regularly scheduled virtual meeting of the MATOC Operations Subcommittee was organized and conducted on February 23, discussing regional roadway operations and traffic issues.

3.10 Resiliency Planning
In February, staff efforts in climate resilience and transportation initiatives continued both generally and regarding the Phase II Transportation Resiliency Study. Resilience Planner held regular check-in meetings with ICF on the project's progress. Milestones reached during February were closing out

the resilience project request form and began reviewing project submissions from member agencies, including scheduling meetings with planners who submitted projects to confirm various aspects of their submissions. Planner reviewed a partial draft of the TRIP and provided edits and comments to the consultant for incorporation in final draft of the document and scheduled the final working group meeting for mid-April. In preparation for the final working group meeting, staff began exploring the steps to form a new transportation resilience subcommittee with the working group as founding members. Resilience Planner presented a general overview of transportation resilience planning issues in the region as well as the preliminary results of the TRIP's vulnerability assessment to the Community Advisory Committee, receiving and incorporating feedback as appropriate.

Progress on existing projects continues – staff continues to provide ongoing support for the Prince William County TLC project, assisting with planning for presentations on the upcoming UPWP, and continuing to prepare scopes of work and proposals for work to be completed in the next fiscal year. Resilience planner continued to keep on top of the state of practice - planner attended several webinars on planned precipitation data updates (ATLAS 15, final data available early 2026), DC DOEE/HSEMA resilience workshop, and several meetings organizing AMPO's Environment and Resiliency interest group quarterly webinar.

Task 4	BUDGET	Billed this month	% Funds Expended	UPWP Page
PUBLIC PARTICIPATION	$753,904	$48,042	57%	53

4. PUBLIC PARTICIPATION

4.1 Public Participation and Outreach
A total of two (2) general comments were received via email between noon on Tuesday, January 16, 2024, and noon on Tuesday, February 20, 2024. The comments were focused on air pollution local hot spots, and a call for the TPB to be a regional convener and leader on GHG reduction for transportation. Staff developed a report on the input, which was presented to the Technical Committee and to the TPB.

For Visualize 2050, staff prepared MetroQuest comment forms in English and Spanish and set up the Visualize 2050 phone line for comments.

The February meeting of the TPB Community Advisory Committee (CAC) was held virtually February 15. The meeting featured a briefing on the TPB's work on resiliency and a discussion about the upcoming public comment period for the development of the new regional transportation plan, Visualize 2050.

Preparations were started for a virtual Access for All (AFA) Advisory Committee planned for March 11. The committee will discuss the approved 2023 Enhanced Mobility grant awards, Virginia TAP funding for projects, and TPB's Visualize 2050 public comment period activities.

Staff continued preparations for the new round of the TPB's Community Leadership Institute (CLI), which will be held in April and May 2024. The CLI is a three-day evening workshop in which community leaders from throughout the region come together to learn how regional transportation

planning works. In February, staff posted an application announcement on the COG/TPB website, sent out application period announcements to the TPB News and COG mailing lists, and continued preparatory calls with the facilitators. Preparation included updating the curriculum and development of a new module related to planning to reduce greenhouse gas emissions.

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

TPB Community Leadership Institute accepting applications for spring 2024 workshop
February 29, 2024

WMATA General Manager Randy Clarke updates COG Board on Metro
February 22, 2024

TPB State of Public Transportation Report: A look at the region's post-pandemic bus and rail service
February 5, 2024

Officials highlight regional coordination on Metro budget
February 7, 2024

Staff updated pages on the COG website related to transportation including: Regional Roadway Safety Program, Transportation Land-Use Connections Program, Roles & Responsibilities, Plans, Transportation Improvement Program, Getting Involved, and Jurisdictions

Staff shared information about TPB activities via social media:

Transportation Land-Use Connections and Regional Roadway Safety Program application reminder (February 12), Repost FY 2025 Metro Budget feedback (February 12), TPB State of Public Transportation Report (February 15), Prince George's County local technical assistance program project (February 22), Alexandria, VA, TLC project (February 26),

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

Visualize 2050 website and communications materials were updated for the March 1-30, 2024, comment period. Staff prepared newspaper legal ads and social media messaging for the Visualize 2050 comment period. Staff continues to coordinate with the Visualize 2050 contractor to prepare Visualize 2050 website updates and design of the Visualize 2050 plan process documents.

Task 5	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL FORECASTING	$3,442,357	$212,123	42%	55

5. TRAVEL FORECASTING

5.1 Network Development

Staff continued preparation of an October 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 General Transit Feed Specification (GTFS) route and schedule data and collection of online schedules for transit service providers who do not provide GTFS-formatted data. In February, staff conducted manual matching of transit routes.

Staff completed the air quality conformity project input table to prepare for a 30-day comment period beginning March 1. The "conformity table" lists all projects to be coded in the highway and transit networks for the air quality conformity analysis of Visualize 2050.

Staff re-sent a memo to the implementing agencies reminding them of the March 1st deadline for network coding details associated with transit projects included in Visualize 2050.

Per request, staff created transit route and stop shape files based on 2023 GTFS data and provided them to the Plan Development and Coordination Team on February 5.

Teralytics, in a memo dated February 1, indicated a minor issue in COG's 2018 traffic count data in terms of duplicate screenline link counts. Staff investigated and removed duplicate 2018 counts for screenlines #2 and #10 and created a revised 2018 daily screenline counts file to be used for future highway performance summaries.

Staff identified and made corrections to the erroneous screenline codes in the working network database. Staff also started working on an improvement of COGTools to assign the correct screenline ID to highway links during highway network editing sessions and perform Quality Assurance/Quality Control (QA/QC) checks on the coding of screenline IDs.

Staff developed an automated procedure in COGTools that performs QA/QC checks on the network files exported from the Unified Network Database. The procedure is under internal review. This task is currently on hold due to other work priorities.

Staff are in the process of fixing lanes on many DC roads (considering roadside parking and new sidewalk space since 2021) for the upcoming 2025 LRTP update. This task is currently on hold due to other work priorities.

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. This task is currently on hold due to other work priorities.

Staff are in the process of developing 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. This task is currently on hold due to other work priorities.

5.2 Model Development and Support

The Travel Forecasting Subcommittee (TFS) meets in odd-numbered months, so it did not meet in February. Nonetheless, staff prepared meeting highlights for the January 26 TFS meeting.

Generation 2/Ver. 2.4 Travel Model

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

On February 2, COG's Department of Community Planning and Services (DCPS) staff provided revised Round 10.0, TAZ-level land use forecasts. Staff re-processed the data for travel demand forecasting and documented the work in a memorandum dated February 27. Staff also made the data available for data requests.

Staff started to work on the updating of the exogenous model inputs based on the Round 10.0 Cooperative Forecasts land use data. Staff updated the airport ground access auto driver trip tables based on the revised Round 10.0 land use and the 2019 Airport Passenger Survey (APS) data.

Staff developed a summary program for highway validation which streamlined the existing highway validation procedures and added QA/QC checks on input files. Staff reviewed and tested the program. Staff also created a flowchart for the new program.

Staff finalized the memorandum on year-2022 jurisdictional weekday VMT summaries, dated February 9, 2024, and shared it with some members of COG's Travel Forecasting and Emissions Analysis (TFEA) Team.

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 one check-in meeting with RSG and Baseline Mobility Group (BMG), the consultants on the Gen3 Model development project on February 27.
- Staff continued to work with RSG on the development of the Gen3, Phase 2, Model. Specifically,
    - COG staff continued to review the final pull request (PR) from RSG for the Gen3 Mode and worked with RSG to fix issues found in the review. After COG staff approves and merges this PR, the resulting Gen3 Model will be tagged as Version 1.0.0.
    - RSG and COG staff finalized the following Phase 2 documentation:
        - Gen3 Model User's Guide, dated January 31, 2024,
        - Phase 2 calibration and validation report, dated February 7, and
        - Phase 2 sensitivity testing report, dated February 12
    - COG staff plan to upload the above documents to the COG website.
    - COG staff continued to make enhancements and bugfixes to the Gen3 Model. Specifically,
        - Staff implemented a methodology to integrate the toll setting process in the Gen3 Model flow. Staff conducted review and testing and are working on a technical memorandum that documents this work.
        - Staff investigated a random error that occurred in ActivitySim during Gen3 Model runs on cloud servers only. RSG staff pointed out the likely cause of the error. Staff proposed a fix and implemented it in the Gen3 Model after testing it.
        - Staff fixed several minor issues in the model.
    - In preparation for the upcoming Gen3 Model usability evaluation, staff started to assemble model inputs for all the Visualize 2050 analysis years.
        - Staff optimized and extended an existing Python script for processing land use data. The script replicated the output from the existing Cube-based process. This script will be used to generate land use input files for the Gen3 Model.

- Staff ran the MWCOG Population Synthesizer to generate synthetic population data based on the Round 10.0 land use forecasts. Staff found a software issue and are investigating it.
  - RSG and COG put the Sharrow implementation task on hold. COG shared the issues found in Sharrow implementation with the ActivitySim consortium. The consortium issued the ActivitySim Phase 9a task orders to address Sharrow and other performance issues in ActivitySim.

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 address any issues related to the now completed 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 three data requests in February. Two requests were for the Gen2/Ver. 2.4.6 Travel Model. One was from a consultant working on development of forecasts for the I-495 Managed Lane Extension and the other was an academic (University of Maryland) to analyze the effect of sea level rise on Maryland's transportation network. The third request was for a complete set of model files generated from the Gen2/Ver. 2.4.6 Model, for the years 2021 and 2023. This request was from a consultant working for VDOT on the AI-based Decision Support System project.

Staff attended the Transportation Research Board (TRB) 103rd Annual Meeting during January 7-11 in Washington, D.C. Staff attended a post-TRB debriefing on February 8.

Staff attended ActivitySim Consortium meetings regularly on Tuesdays and Thursdays.

Staff attended a meeting with WMATA on February 14 regarding the regional coordination on the upcoming Metrobus Passenger Survey. COG's Planning Data and Research (PDR) Team and the TFEA Team had an internal meeting on February 21 following up on the additional questions that COG would like WMATA to include in their bus survey for model development purposes. PDR staff sent WMATA the proposed additional questions on February 22.

Staff attended the first COG DTP Big Data User Group meeting on February 22. This internal meeting will be held monthly.

Staff had a virtual meeting, on February 28, with the Denver Regional Council of Governments (DRCOG) staff regarding COG staff's experience with using ActivitySim, which is the underlying software in the Gen3 Travel Model.

Staff continued to explore the Big Data that COG recently purchased, including Teralytics, Replica and StreetLight Data, for model development purposes.

Staff continued to conduct daily modeling work on AWS cloud servers and work with IT to resolve issues encountered on the AWS servers.

Staff updated a memo documenting computer specifications of travel model servers (on-premises and cloud servers). The revised memo is dated February 6, 2024.

Staff upgraded the license for Cube 6.4.1 on two servers (tms7 and tmws01) and upgraded Cube to version 6.5.1 on all other on-premises and cloud servers.

After staff tested a new "instance" of a virtual server (r7i.8xlarge), IT staff replaced r6i.8xlarge with r7i.8xlarge for the high-specs category of instances of the on-demand cloud servers.

Senior staff continued to train the new employee in the Model Development Group.

Task 6	BUDGET	Billed this month	% Funds Expended	UPWP Page
MOBILE EMISSIONS PLANNING	$2,922,011	$177,010	46%	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 Long-Range Transportation Plan (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 completed the air quality conformity project input table to prepare for a 30-day comment period beginning March 1. The "conformity table" lists all highway and transit projects to be included in the air quality conformity analysis of Visualize 2050 and shows the changes made since the last update of the plan, the 2022 Update to Visualize 2045. Staff identified a list of "major change" projects in Visualize 2050, which included additions, removals, and significant modifications to projects on interstates, freeways, parkways, and principal arterials.

In response to an invitation by Dr. Ralph Buehler from the Virginia Polytechnic Institute and State University, TPB staff prepared a lecture on the COG/TPB travel forecasting model. The guest lecture was presented to the graduate students enrolled in the Transport Systems Planning course.

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 MOVES model. Given that the Metropolitan Washington Air Quality Committee (MWAQC) 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.

Staff reviewed the new federal National Ambient Air Quality Standards for fine particulate matter (fine inhalable particles with diameters of 2.5 micrometers and smaller, PM2.5) and developed a memorandum describing the new standard for the Director's Report to the TPB. DEP staff briefed MWAQC on the new standards (item #4).

TPB Staff developed a presentation and briefed MWAQC on addressing air quality in transportation planning (item #7). As a part of the same agenda item #7, DEP staff briefed the committee on MWAQC's role in the region's air quality planning efforts.

Staff finalized the selection process and chose the vendor tasked with providing TPB staff with software to decode motor vehicle registration data, also referred to as Vehicle Identification Number (VIN) data, as documented in a selection memorandum. These data are used to create various inputs for the EPA MOVES model used to calculate criteria pollutant and greenhouse gas (GHG) emissions. The software procurement process was completed in January 2024, with the vendor delivering the latest version of software to TPB staff. The software will be used for the upcoming Visualize 2050 air quality conformity and greenhouse gas emissions analyses. TPB staff obtained the December 2023 VIN data from the state air agencies (via DEP's point of contact with state air agencies) in February and began testing the new software.

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. TPB staff attended coordination meetings with MDOT staff regarding the program.

Staff continued to monitor developments related to the Climate Pollution Reduction Grants (CPRG), 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 led the effort to develop the Priority Climate Action Plan (PCAP) for the Metropolitan Statistical Area with funding from the CPRG. DEP staff briefed the Metropolitan Washington Air Quality Committee – Technical Advisory Committee (MWAQC-TAC) on the stakeholder engagement conducted for the PCAP (item #4). TPB staff reviewed a draft PCAP and drafted text for the on-road transportation mitigation strategies. The PCAP was submitted to the EPA by the March 1, 2024 deadline.

Staff continued to participate in electric vehicle (EV) planning activities. COG staff and ICF staff (project consultant) held check-in meetings for the Regional Electric Vehicle Infrastructure Implementation (REVII) Strategy project. COG staff continued to hold internal meetings on mapping results produced by ICF staff. DEP staff briefed MWAQC-TAC on the project status (item #6).

Staff continue to study 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).

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 versions (MOVES4 and MOVES3) and evaluate the impacts of new software on both criteria pollutants and greenhouse gases (GHGs). MOVES4 is now expected to be used in the Visualize 2050 air quality conformity analysis. TPB staff briefed both the TPB Technical Committee (item #8) and MWAQC-TAC (item #7) on staff's transition to MOVES4.

Staff continued to monitor developments related to air quality and climate change planning in other parts of the country. Specifically, TPB staff attended the FHWA Every Day Counts Webinar Series Kick-off (February 27, 2024) and the Association of Metropolitan Planning Organizations (AMPO) Environment & Resiliency Quarter 1 Webinar (February 29).

Task 7	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL MONITORING AND DATA PROGRAMS	$5,344,964	$119,255	20%	63

7. TRAVEL MONITORING AND DATA PROGRAMS
7.1 Transportation Research and Analysis

The recruitment of a program manager for travel monitoring and planning assistance was ongoing throughout February.

Staff continued developing the scope for a future Household Travel Survey.

Staff finalized the questions to be provided to WMATA and requested that they be incorporated into the WMATA bus survey instrument.

Staff held an internal meeting to discuss the Transit On-Board Survey.

Staff met with WMATA staff to discuss the Transit On-Board Survey.

Traffic Trends

Staff responded to inquiries from fellow TPB staff about the availability of data to perform a comparison of annual VMT on various NHS and urbanized roadway groupings since 2017 for work on the greenhouse gas emissions performance measure.

Staff checked and processed the revised Round 10 COG TAZ file, which converts the COG TAZs to TPB TAZs and compares the data with previous versions. To verify that expected changes were made, staff used Excel to do a TAZ-by-TAZ comparison of the revised Round 10 data verses the Round 10 data provided in the fall of 2023. Staff confirmed with CPS staff the values in the revised Round 10 file are the corrected values. As part of this process, a staff provided a CSV file of the revised Round 10 forecasts by TPB TAZ to the TFEA team.

Staff assessed the quality of the 2022 HPMS data on the FHWA hosted site for the District of Columbia, Maryland, Virginia, and West Virginia. Staff downloaded and combined the files into a single regional geodatabase, processed the data in SAS to prepare the pavement condition

measures, and began preparation of the 2022 Regional HPMS file for eventual inclusion in the RTDC. In addition, staff met with other TPB staff to instruct staff on the step-by-step processes for updating HPMS files.

Staff continued to update traffic-related data for inclusion in the RTDC while creating step-by-step instructions of the processes.

Staff worked to document various projects for succession planning.

Data Requests

Staff fielded RTS data requests from researchers at Concordia University and Georgia Tech.

Staff responded to a question from a consultant to the TFEA team on the way traffic counts were assigned on specific screenline links.

Meetings & Conferences

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

Staff participated in a meeting with fellow TPB staff to discuss regional trail counting program development.

Staff facilitated a TPB staff-wide debriefing on the 2024 TRB annual conference.

7.2 Data Management and Visualization Services

Staff completed all additional requested adjustments to the National Capital Trail Network (NCTN) geospatial dataset based on feedback received after the January TPB meeting. Staff worked with DTP's Communications Manager and COG's Office of Communications to coordinate online content of resources related to the NCTN to be ready for the February TPB meeting where the NCTN item received Board approval.

Staff continued to work with Plan Development and Coordination and Systems Performance staff to refine the geospatial dataset representing Local Technical Assistance projects (Transportation-Land Use Connections and Regional Roadway Safety Program) and Transportation Alternatives Program (TAP) projects, based on feedback to the initial deliverable that was shared on February 5 at an internal meeting. Staff continue to work together on this ongoing project.

Staff updated the Average Weekday Transit Ridership dataset available in the Regional Transportation Data Clearinghouse (RTDC) with FY2021 data.

Staff met with the Planning Data and Research program director to discuss the next phase of the TPB Resources and Applications Page (TRAP) online resource. Staff developed a list of specifications guidelines and began development on the project. This work is ongoing.

Staff met with fellow staff on the Planning Data and Research team to discuss active transportation counts and the development of a regional count program. This work will be ongoing.

Staff continued to catalog and create online geospatial content in support of developing a multimodal transportation system current conditions map. Staff presented a draft map template to the Plan Development and Coordination staff for review and comment and met with staff on February 1 and 6 to discuss the project.

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

Staff continued to perform several tests around publishing data from ArcGIS Pro to Enterprise in different formats to document any changes or issues encountered. Staff are using this information to develop workflows for geospatial data management. This work is ongoing.

Staff continued to coordinate with fellow DTP staff on the following consultant projects: Regional Electric Vehicle Infrastructure Implementation (REVII) and HCT Local Transit Analysis Coordination project).

Staff finalized the Bike to Work Day pit stop location map that was used on the https://www.biketoworkmetrodc.org/ website. Staff continues to work with Commuter Connections staff to address requests for changes received from pit stop managers.

Staff met with staff from Commuter Connections to discuss the FY25 HERE Data Procurement and to develop a longer-term plan to evaluate additional products to support Commuter Connections and other TPB plans and programs.

Staff met with COG's Information Technology (IT) staff to discuss the migration of TPB/COG geospatial data servers to a cloud (AWS) environment. Staff will work with IT staff to determine a timeline for this to occur.

GIS Committee/GDX Working Group

Staff began to prepare the content and agenda for the March 21 meeting of the GIS Committee/GDX Working Group meeting. Set up the recurring Webex meeting and Calendar invite for the next year's GIS Committee/GDX Working Group meetings.

Data Requests
None.

Meetings & Conferences
Staff attended the Esri Federal User GIS Conference held on February 13-14.

Staff attended the MATOC Webinar: RITIS Refresher & Advanced Features Webinar on February 23.

Staff attended an Esri Lunch & Learn: Extend Analytics with Microsoft on February 29.

Staff attended and participated in the Bog Data User Group meeting on February 22.

Staff attended the MDOT Sidewalk Data Collaborative Workgroup Meeting on February 20.

Staff attended the Cooperative Forecast & Data Subcommittee on February 20.

Staff attended the TPB Regional Public Transportation Subcommittee (RPTS) meeting held on February 27.

Saff participated in the recurring meeting related to Visualize 2050 planning activities (February 16).

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

Staff continued to attend meetings with the Plan Development and Coordination staff related to Project InfoTrak inputs in support of Visualize 2050 as necessary.

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	$57,016	42%	67

8. REGIONAL LAND USE AND TRANSPORTATION PLANNING COORDINATION

Staff convened the Cooperative Forecasting and Data Subcommittee on February 20th for a meeting. A presentation ("U.S. Census Bureau's 2023 National Population Projections, 2022 – 2100") from Sandra Johnson, Chief, Analysis and Projections Branch at the U.S. Census Bureau. A second presentation ("COVID Impact on U.S. Immigration") was made by Irene Gibson, Statistician, Office of Homeland Security Statistics at the Department of Homeland Security. Greg Goodwin briefed the subcommittee on the revisions to the Round 10.0 TAZ file and for future accuracy checks and reasonableness in future cooperative forecasting rounds.

Staff also hosted the February 16th Planning Directors Technical Advisory Committee meeting that included a presentation ("Washington Metro Area Commercial Real Estate Market Overview') from Lisa Benjamin, Senior Managing Director at Newmark. The committee also received a presentation ("Conserving Trees and Urban Forests in Metropolitan Washington Region: Regional Tree Canopy Goals") from Jeff King, Director, COG's Climate, Energy, and Airs Program. Greg Goodwin and John Kent provided an update on the Activity Centers Map/Project status.

Staff started scheduling one-on-one meetings with COG's Planning Directors/representatives to begin the conversation about the Activity Centers Map/Project update.

Staff released the January issue of the Regional Economic Monitoring System (REMS) report that covers the following data points for the month of December 2023: Total Employment, Over-the-Year Inflation Rate, and Unemployment Rate, and New Housing Units Authorized During the Previous 24 Months. Similar data points for other MSAs are also collected for comparison purposes with the Washington MSA but not reported out.

Staff completed the 2022 Multi-Family Rental Housing Construction Indicators report and provided it to the Communication Staff. The report will be released on COG's website in March. Work will start with compiling data from the Co-Star database for the future 2023 Commercial Construction and Multi-Family Construction reports planned release in 2024.

Task 9	BUDGET	Billed this month	% Funds Expended	UPWP Page
COMPLETE STREETS, MOBILITY AND ENHANCEMENT PROGRAMS	$1,135,269	$151,785	343%	69

9. COMPLETE STREETS, MOBILITY AND ENHANCEMENT PROGRAMS

9.1 Transportation Land Use Connections Program

Work on all the FY 2024 TLC projects was underway. See below:

- Alexandria - South Pickett Street Corridor Improvements Study – The project team held monthly meeting and exchanged e-mails for technical data requests. Project team plans to deliver conceptual plan before end of March.
- Falls Church - East-West Ped/Bike Connection – Project team continued work on concept plans.
- Frederick, City of - East Street Redesign 30% Design – The project team researched utility ownership issues.
- Gaithersburg - SRTS Priority Improvements Study – The walk audit results and design recommendations were discussed, processed, and synthesized into a draft report and presentation for the City Council.
- Montgomery County - Consultant delivered Task 2 memo (review of past studies) draft for county review in February. Schedule conflicts have led to a follow-up call being moved to March. Continued work on organizing focus group and operator interviews.
- Prince George's County - The Task 2 interim deliverable (literature review and best practices analysis) was shared with the project group for review. February's meeting was short for the county to review the draft report. Consultant will continue developing recommendations and base maps of bus stops suggested for prioritization.
- Prince William County - Green Infrastructure Study – Project team held monthly status meeting March 4. Task 3 deliverable was submitted by the consultant and reviewed by Prince William County prior to the March 4 meeting, during which edits were discussed and next steps decided upon. Project schedule has been pushed back by a few weeks but still on-track to be completed on time.
- Prince William County - Yorkshire Multimodal Corridor Planning Study – The project team conducted wideshield audit, community meeting, and stakeholder meeting.
- Rockville, City of - Mannakee Street Complete Streets Feasibility Study – The Consultant continued developing preliminary concepts for the study area. Also, the Consultant conducted an all-way stop control warrant analysis at Carr Avenue and Mannakee Street. The Consultant reviewed local guidance. The TLC team held a check-in meeting on February 15th.
- Takoma Park - Laurel Avenue Street Closure Traffic Study - The contractor worked towards finalizing the scenario analyses, began analyzing potential countermeasures, and began drafting the Task 3 memo.

The FY 2025 solicitation for TLC and RRSP was conducted between January 5 and March 8, 2024. Staff responded to miscellaneous questions throughout February from potential applicants.

9.2 Regional Roadway Safety Program

Each of the eight (8) FY 2024 approved projects is currently underway with progress as follows:

- **City of Frederick: Jefferson-Patrick Redesign Study** - The consultant continued work on concept plans for multiple intersections on Jefferson Street, which were presented on February 14.
- **City of Gaithersburg: Local Roadway Safety** - The consultant conducted an on-line survey and presented preliminary results to the city transportation committee on February 22.
- **Montgomery County: Bel Pre Road Safety Improvement Project** - The consultant and Montgomery County staff continued preparation for a public survey and meeting and conducted data crash analysis for the corridor.
- **City of Rockville: Pedestrian Crossing Guidelines** – The project team worked on drafts of a pedestrian crossing decision flow chart and a countermeasure selection flow chart.
- **City of Alexandria: Pedestrian Lighting Improvements Study** – City of Alexandria staff are gathering GIS information for the consultant's analysis.
- **Arlington County: Regionwide, Data-Driven Anti-Drunk Driving Campaign** – The consultant conducted a literature review and scan of existing anti-drunk driving campaigns.
- **City of Fairfax: Main Street Corridor Roadway Safety Audit** – Collision diagrams for three accident hotspots and documentation of existing roadway conditions were completed and presented to the project team. Planning began for an in-person road safety audit, with scheduling expected for mid-March.
- **Prince William County: Darbydale/Forestdale Avenue Corridor Retrofitting Project** – Traffic data for the project area is being gathered by County and VDOT staff.

Staff continued marketing the application period for the FY 2025 RRSP round.

9.3 Transportation Alternatives Set-Aside Program

Staff continued the application review and project selection process for the TAP program in Virginia, which is on a two-year cycle. In February, staff reviewed the 24 applications that were received for the TPB region. The projects were analyzed to determine how well they align with regional priorities. Staff also conducted site visits.

Staff met with VDOT staff and the CTB member for Northern Virginia. Staff sent the applications to the TPB selection panel members for their review and scoring. The panel met twice at the end of February at the end of February and identified 15 projects that they recommended for funding. The panel's recommendations were scheduled for TPB approval in March.

Task 10	BUDGET	Billed this month	% Funds Expended	UPWP Page
TPB MANAGEMENT AND SUPPORT	$1,707,259	$78,265	40%	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 February 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 February 2024 includes Telephone / Web Ex / Microsoft Teams Communications:

- UPWP Team Leaders Discussion
- CPRG/DRPT - J. Monaco (DRPT)
- Panzera – TEAMS Meeting
- Regional Transit Plan – WMATA Staff
- Commuter Connections 50th Anniversary Celebration
- COG Senior Staff Meeting
- VA JLARC Study Team – Tolling & P3s in NOVA

- MDOT @ CPR Selection ProcessMD Del Korman & Del Edelson @ MD HB 836/SB924
- 2024 Human Health Officials Committee Meeting
- COG Staff Next Steps w/Metro & the Big Picture
- Regional Activity Centers – COG DCPS
- COG – WMATA Discussions – Vision for Region's Transit
- DMV Moves: Metro/COG Follow up
- MWCOG w/CMAP & MTC at AMPO
- VA's CRP Funding Plans

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	$118,758	8%	73
District of Columbia	$330,930	$9,780	3%	73
Maryland	$707,967	$65,873	9%	75
Virginia	$664,437	$43,105	14%	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.

4. Other Tasks to Be Defined
No. Activity.

11.B Maryland

1. Program Development, Data Requests, and Miscellaneous Services
Staff responded to a question from MDOT staff about VMT for sub-regional groupings.

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 (91) 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 the 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
Staff finalized the review of all the transmittal files (traffic, active transportation, and transit ridership data) from the contractor for the VDOT I-66/I-395 Mode Share study.

Staff completed the data analysis and drafted the memos and transmittal files for the VDOT I-66/I-395 Mode Share Study and the I-66 outside the Beltway counts.

Staff received, reviewed, and accepted the Fall 2023 Active Transportation study geodatabase from the consultant.

Staff participated in a meeting with VDOT staff to discuss fall 2023 active transportation count findings and to discuss possible spring 2024 active transportation count locations.

Staff participated in an Eco-counter overview meeting with VDOT staff.

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 (9.1) 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
COG/TPB's on-call consultant supported development of a RAISE Grant application for the City of Alexandria at the request of VDOT as part of the Virginia Technical Assistance program.

11.D Regional Transit

1. Program Development, Data Requests, and Miscellaneous
No Activity.

2. Transit Within Reach Program
All three TWR projects were underway in February. For all the projects, preliminary field work was conducted.

3. High-Capacity Transit Map
No Activity. This task has been placed on hold until after the next update of the regional long-range transportation plan, *Visualize 2050*, which will provide an updated list of High-Capacity Transit Stations that will then be used as the basis for this map product.

4. Other Tasks to be Defined
No activity.

CONTINUOUS AIRPORT SYSTEM PLANNING PROGRAM

Program Management

- COG/TPB staff has updated the monthly enplanement data.
- COG/TPB prepared the consent agenda resolution for the COG Board to consider and approve at its March meeting, authorizing staff to develop and submit the next FAA Airport Improvement Program (AIP) grant application.

Conduct and Process 2022/23 Baltimore-Washington Regional Air Passenger Survey (APS)
- COG/TPB staff started developing weighting factors from the 2023 APS full-scale survey for all three airports (BWI, DCA, IAD).
- COG/TPB staff conducted an internal investigation of the 2023 APS data as part of developing the weighting factors and worked with the contractor to resolve the issue of some missing ID values.

Air Cargo Element Update

- COG/TPB staff developed the scope of work for the Air Cargo Element Update.

Ground Access Travel Time Study
COG/TPB staff drafted a report on the Ground Access Travel Time Study including extensive findings from the study that assessed ground access travel to and between the three airports (BWI, DCA, IAD).

PROGRESS ON PLAN PRODUCTS

There are 14 advisory and subcommittees that provide subject-matter expertise and consensus for each of these products and projects:

- The Visualize 2050 National Capital Region Transportation Plan, anticipated to be approved in June 2025, is under development. The focus in 2024 is on submission and approval of the air quality conformity analysis project inputs.
- TPB approved the following projects for funding and/or consultant services:
  - Selected 23 5310 Enhanced Mobility Program projects for EM 6 according to TPB's Coordinated Human Service Transportation Plan, awarding a total of $10.2 million in federal funding.
  - Selected 21 projects for the Transportation Alternatives Set-Aside Program -- 15 projects in Virginia for $19.5 million, and 6 projects in Maryland for $3.3 million. These projects are slated for implementation in FY 2025-2026.
  - 10 Transportation and Land Use Connections program projects will be completed.
  - 8 Regional Roadway Safety projects will be completed.
  - 3 Transit Within Reach projects will be completed.
- TPB set Performance Based Planning and Programming targets for the metropolitan Washington region following federal categories: Annual Highway Safety Targets, Annual Transit Safety Targets, and new Greenhouse Gas Reduction Targets for roads belonging to the National Highway System (NHS).
- Will publish 24 TPB News articles.
- Conduct the Community Leadership Institute training for members of the public, April/May 2024.
- Projects/products:
  - Community Guide to Transportation Decision-making in the National Capital Region (formerly called the Citizen's Guide from 2008), January 2024
  - Evaluation of Analysis of Transportation Inequities in Disadvantaged Communities, June 2024
  - Regional Safety Study, initiated March 2024
  - Implementation Considerations for On-Road Transportation Greenhouse Gas Reduction (GHG) Strategies, June 2024
  - Regional Electric Vehicle Infrastructure Implementation (REVII) Strategy, Summer 2024
  - Transportation Resilience Improvement Plan (TRIP), June 2024
  - Annual State of Public Transportation Report
  - Regional Freight Plan September 2023
  - Ground Access Travel Time Study, completed FY 2024
  - Updated National Capital Trail Network map, February 2024
  - Intercity Bus and Rail Travel Study, initiated January 2024
  - Coordinated transit on-board data collection underway
  - Tools:
    - Risk-based vulnerability assessment and interactive mapping tool that outlines transportation infrastructure in the region most at risk to the impacts of natural hazards
    - Interactive web mapping tool of high-capacity transit and Equity Emphasis Areas in the region, initiated October 2021 and maintained with ongoing enhancements throughout FY 2024

	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	624,317.04	98,975.35	55%
Subtotal	**1,136,668.51**	**624,317.04**	**98,975.35**	**55%**
2. Transportation Improvement Program				
Transportation Improvement Program	353,708.82	126,103.1	17,514.75	36%
TIP Database Support	230,000.00	132,448.75	0	58%
Subtotal	**583,708.82**	**258,551.85**	**17,514.75**	**44%**
3. Planning Elements				
Congestion Management Process	833,870.74	253,018.7	26,072.95	30%
Systems Performance, Ops & Tech Planning	430,355.33	210,494.14	18,084.85	49%
Transportation Emergency Preparedness Planning	139,196.00	88,759.87	12,480	64%
Transportation Safety Planning	407,497.86	83,242.82	10,859.3	20%
Bicycle & Pedestrian Planning	198,851.96	109,038.18	13,928.77	55%
Regional Public Transportation Planning	573,566.35	254,709.38	24,707.49	44%
Freight Planning	396,491.66	107,426.61	12,113.78	27%
Metropolitan Area Transportation Operation Coord Program Planning	171,139.72	75,259.14	14,163.96	44%
Performance-Based Planning & Programming	216,047.96	110,531.84	22,102.7	51%
Resilience Planning	538,120.51	297,030.98	54,068.13	55%
Subtotal	**3,905,138.09**	**1,589,511.66**	**208,581.93**	**41%**
4. Public Participation				
Public Participation	753,904.21	430,241.93	48,042.98	57%
Subtotal	**753,904.21**	**430,241.93**	**48,042.98**	**57%**
5. Travel Forecasting				
Network Development	1,173,454.94	589,250.04	81,630.07	50%
Model Development	2,268,902.50	848,829.07	130,493.7	37%
Subtotal	**3,442,357.44**	**1,438,079.11**	**212,123.77**	**42%**
6. Mobile Emissions Planning				
Air Quality Conformity	1,221,950.95	615,175.23	81,315.81	50%
Mobile Emissions Analysis	1,700,061.94	722,342.36	95,694.9	42%
Subtotal	**2,922,012.89**	**1,337,517.59**	**177,010.71**	**46%**
7. Travel Monitoring and Data Programs				
Research & Analysis	4,458,336.48	761,180.69	86,740.91	17%
Data Visualization & Management	886,626.84	325,383.52	32,514.8	37%
Subtotal	**5,344,963.32**	**1,086,564.21**	**119,255.71**	**20%**
8. Planning Scenarios and Socioeconomic Forecasting				
Socioeconomic Forecasting	1,211,231.11	514,221.69	57,016.13	42%
Subtotal	**1,211,231.11**	**514,221.69**	**57,016.13**	**42%**
9. Complete Street Mobility and Enhancement Programs				
Transportation and Land Use Connections Program	622,450.01	231,000.3	95,762.81	37%
Enhanced Mobility Grant Program	97,904.69	58,639.49	3,716.93	60%
Transportation Alternatives Set-Aside Programs	37,912.20	36,926.45	2,589.65	97%
Regional Roadway Safety Program	377,004.84	61,595.65	49,716.57	16%
Subtotal	**1,135,271.74**	**388,161.89**	**151,785.96**	**34%**
10. TPB Support and Management				
TPB Support and Management	1,707,259.82	682,846.8	78,265.04	40%
Subtotal	**1,707,259.82**	**682,846.8**	**78,265.04**	**40%**
Core Program	**22,142,515.95**	**8,350,013.77**	**1,168,572.33**	**38%**
A. District of Columbia Technical Assistance				
Program Development & Misc.	330,931.43	9,780	9,780	3%
B. Maryland Technical Assistance				
Program Development & Misc.	707,968.41	65,873.49	65,873.49	9%
C. Virginia Technical Assistance				
Program Development & Misc.	664,437.34	90,535.18	43,105.18	14%
D. Public Transit Technical Assistance				
Program Development & Misc.	512,176.17	0	0	0%
Technical Assistance	**2,215,513.35**	**166,188.67**	**118,758.67**	**8%**
TPB Grand Total	**24,358,029.30**	**8,516,202.44**	**1,287,331**	**35%**

FY 2024 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE
February 2024
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	9,780.00	885.11	288.55	29,114.89	9,491.45
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**	**9,780.00**	**9,763.73**	**288.55**	**321,167.70**	**9,491.45**
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	4,205.45	5,458.20	124.08	179,541.80	4,081.37
TBD	172,967.35	0.00	5,103.19	0.00	167,864.16	0.00
Transportation Performance Measures	310,000.00	61,668.04	9,146.17	1,819.44	300,853.83	59,848.60
Subtotal	**707,968.41**	**65,873.49**	**20,887.75**	**1,943.52**	**687,080.66**	**63,929.97**
C. Virginia Technical Assistance						
Program Development & Misc	14,999.52	594.81	442.54	17.55	14,556.98	577.26
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
VDOT Raise Grant	17,892.00	15,299.78	527.88	451.40	17,364.12	14,848.38
Transportation/Land Use Connection Program	185,000.00	18,750.00	5,458.20	553.20	179,541.80	18,196.80
Travel Demand Modeling	11,244.96	0.00	331.77	0.00	10,913.19	0.00
Travel Monitoring	250,300.86	55,837.69	7,384.82	1,647.42	242,916.04	54,190.27
VA Other Tasks	0.00	16.90	0.00	0.50	0.00	16.40
Subtotal	**664,437.34**	**90,535.18**	**19,603.41**	**2,671.13**	**644,833.93**	**87,864.05**
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	**2,215,513.35**	**166,188.67**	**562,431.06**	**4,903.19**	**1,653,082.29**	**161,285.48**