

FY 2020



National Capital Region
Transportation Planning Board

Work Program Progress Report

October 2019

FY 2020

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

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The TPB approved its FY 2020 Unified Planning Work Program (UPWP) in March 2019. The TPB Work Program Progress Report provides a short summary of each activity for the month October. In addition, this report concludes with status updates reflecting timelines for all ongoing program plans and projects. Please reference the 2020 UPWP for details concerning the approved budget, and work description for each task. The following graphic 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	\$1,002,493	\$46,432	21%	29

1. LONG-RANGE TRANSPORTATION PLANNING

1.1 Long-Range Transportation Plan

Staff that manages long-range plan activities continued refining an approach and a draft schedule for the next quadrennial plan update that is expected to be approved in 2022, and continued coordinating with other DTP staff to conceptualize planning activities that will inform the next range plan. Staff continued to conduct research activities and discussions on how to increase the robustness of TPB’s evaluation of federal performance factors such as resiliency, and of other impacts on the transportation system such as new transportation technologies.

Staff finalized the selection for the selected candidate to fill a vacant position that would primarily support UWPW Task 1, Long Range Transportation Planning, and drafted a selection memorandum for the Transportation Planner II.

Staff also continued to coordinate the implementation of activities related to the aspirational initiatives in Visualize 2045. Staff began conducting the site visits to engage with the TPB member local governments and independent transit agencies to encourage and support them in promoting projects, programs and policies that advance the Aspirational Initiatives. Staff scheduled numerous meetings for November and December and conducted one meeting in October. Staff developed and printed materials to be shared with the members during site visits, including Visualize 2045 Aspirational Initiatives Brochures, TPB Policy Framework summaries, MPO 101 handouts and agendas. Staff also developed a summary memorandum for each jurisdiction of the Visualize 2045 geographically-based comments and created online folders to shared GIS files and digital copies of these memorandums.

1.2 Federal Compliance

Staff coordinated with Stafford County and the Fredericksburg MPO to work on fulfilling the federally-recommended action to update the 2004 TPB/FAMPO MOU.

1.3 Policy Board-Directed Activities

Staff also continued working on follow-up to TPB Resolution R10-2019 which directed staff to conduct activities related to the implementation of three of the aspirational initiatives:

- Improve walk and bike access to transit – Staff continued to refine a network analysis to identify walksheds around high-capacity transit stations. Staff have shared with various committees the online ‘walksheds analysis’ tool that can be used by anyone in the region. Staff is now preparing to conduct outreach to technical staff at the local jurisdictions.
- Complete the National Capital Trail Network – Staff continued to implement a work program for expanding the regional trail network to cover the entire TPB region, as a network.
- Provide more telecommuting and other options for commuting – Commuter Connections Program continued to make available to the public the Incentrip app that launched on August 28. Staff also conducted other TDM related activities.

COG staff (who are not explicitly TPB staff) worked on activities to address another of the seven initiatives— “Bring jobs and housing closer together.” The Housing Initiative has been underway to identify how to work together as a region to build 100,000 more housing units over the next decade in the region’s Activity Centers. Resolution R10-2019 also encouraged regional coordination activities, led by TPB partners, to promote implementation of the initiatives “Expand bus rapid transit (BRT) regionwide,” and “Expand the express highway network.” COG staff made recommendations to the COG board regarding three regional housing targets. In September, the COG Board voted unanimously to endorse the three housing targets.

Task 2	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRANSPORTATION IMPROVEMENT PROGRAM	\$433,982	\$17,987	22%	31

2. TRANSPORTATION IMPROVEMENT PROGRAM

2.1 Transportation Improvement Program (TIP)

At its meeting on October 4, the TPB Steering Committee approved two resolutions to amend the FY 2019-2024 TIP. The first amendment was to include funding for two Northstar Blvd. extension projects, and for the Eisenhower Ave. Widening and Remove Traffic Circle project. The second amendment was requested by MDOT to include funding for the Large Urban Systems – Operating Program for Prince George’s County.

TPB staff processed administrative modifications for three projects as requested by MDOT.

2.2 TIP Database support

A working group of TPB staff and member agency users continued work with EcoInteractive staff to import data from the iTIP database and the DOT’s systems into the Project InfoTrak system. The working group defined standard data values for common fields to be used in the long-range plan, TIP and conformity modules. TPB staff worked with the consultant to clean up records that were missing data or that did not have matching records that were required in other tables.

Task 3	BUDGET	Billed this month	% Funds Expended	UPWP Page
PLANNING ELEMENTS	\$2,850,810	\$171,780	24%	33

3. PLANNING ELEMENTS

3.1 Performance-Based Planning

Staff completed calls with the state DOTs on PBPP activities and options for the incorporation of performance-based planning elements into the new project information tracker database and the next long-range plan.

Staff assisted in the presentation of briefings on the region’s highway safety data and upcoming target setting options for presentation to the TPB Technical Committee in October, as well as assisting in the review of state DOT presentations on safety for the October TPB and Technical Committee meetings.

Staff continued assistance in following-up on the federal certification review and the documentation of performance-based planning responsibilities with neighboring MPOs.

3.2 Congestion Management Process

Additional analysis was undertaken to update the draft impact analysis of the May-to-September maintenance shutdown of a segment of the Metrorail Blue and Yellow Lines. The summary memorandum and the PowerPoint presentation were updated and sent to the TPB Technical Committee in advance of its November 1 meeting.

Congestion Management Process (CMP) data compilation and analysis for upcoming Quarterly Reports continued.

3.3 Systems Performance, Operations, and Technology Planning

The October 3 meeting of the Systems Performance, Operations, and Technology Subcommittee (SPOTS) meeting was organized and conducted. Topics included a briefing by a Baltimore Metropolitan Council representative on their Traffic Incident Management self-assessment program; the draft Metrorail Blue and Yellow Lines shutdown impact analysis; status of the planning for the Connected and Automated Vehicle (CAV) Forum; status of CMP Technical Report development; and a review of Unified Planning Work Program items under SPOTS oversight.

Planning for FY 2020 TPB forums on connected and autonomous vehicles (CAV) continued, including the kickoff meeting of an ad hoc CAV Forum Advisory Group on October 10, to advise planning of the forums.

The fourth in a series of member agency outreach interviews/site visits for the SPOT planning program and subcommittee (SPOTS) was conducted at the offices of Montgomery County municipal government on October 24, discussing issues and activities of mutual interest, as well as receiving Montgomery County staff advice on future SPOTS activities.

Staff also participated in the following external events or activities in conjunction with SPOT planning:

- 2019 ITS Maryland Annual Meeting, October 16 in Hanover, MD
- Greater Washington Board of Trade Connected DMV Mobility & Logistics Solutions Group meeting, October 17 in Washington
- CHART Board of Directors preparatory meeting, October 22 in Hanover, MD
- Association of Metropolitan Planning Organizations Annual Meeting, October 23-24 in Baltimore, MD
- Greater Greater Washington meeting on the Future of Autonomous Vehicles, October 25 in Washington
- USDOT Access and Mobility Summit on potential use of autonomous vehicles for transit services, October 29, via webinar
- NCHRP 08-127 panel “Emerging Issues: Impact of New Disruptive Technologies on the Performance of DOTs”, October 31 – November 1, in Washington

3.4 Transportation Emergency Preparedness Planning

The regularly scheduled October 9 meeting of the Transportation Emergency Preparedness Committee (R-ESF 1) was organized and conducted, discussing current regional transportation emergency preparedness issues.

Staff continued to provide technical advice to ongoing COG stakeholder outreach following the November 2018 completion of the Traffic Incident Management Enhancement (TIME) Task Force initiative and recommendations report.

3.5 Transportation Safety Planning

The regularly scheduled October 8 Transportation Safety Subcommittee meeting was organized and conducted. Agenda topics included an overview of the effectiveness of rectangular rapid flashing beacons and an update on the regional safety study.

Staff presented a proposed regional safety target setting methodology to the Technical Committee.

Staff coordinated with DDOT and VDOT safety officials on the delivery of their respective safety updates for the October Transportation Planning Board meeting.

Staff developed and refined the draft regional safety targets based on recently released NHTSA fatality data.

Staff presented the draft regional safety targets as well as other safety-related materials to the Citizens Advisory Committee on October 10.

Staff attended the AMPO annual conference in Baltimore October 23-24 and made a presentation on how to use the federal safety target setting requirements to engage MPO policy boards on the topic of safety.

For the Analysis of Regional Roadway Safety Outcomes study, TPB and consultant staff, in collaboration with the Technical Advisory Panel, finalized the network screening methodology and continued analysis of crash and roadway data.

3.6 Bicycle and Pedestrian Planning

Work continued on the Visualize 2045 Aspirational Initiative “Expand the National Capital Regional Trail”.

Coordination and technical advice were provided for the fall 2019 Street Smart pedestrian and bicyclist safety outreach campaign, toward the fall campaign’s official October 28 kickoff.

Preparations continued for the next regional Dockless Micromobility Workshop slated for December 9.

Staff attended or participated in the following October 2019 events that support current and future Bicycle and Pedestrian Planning efforts:

- Association of Metropolitan Planning Organizations’ Annual meeting, October 23-24 in Baltimore, MD, including presenting on the subject of Dockless Micromobility at a session on the “Future of Transportation.”
- Maryland Bicycle Advisory Committee, October 25, hosted at COG.

3.7 Regional Public Transportation Planning

The Regional Public Transportation Subcommittee met in October. Agenda topics included: the MARC cornerstone plan, an update on Alexandria’s transit vision plan, and an overview of DDOT’s K street transitway project design as well as presentations by staff on the PBPP transit asset and transit safety requirements.

Staff participated in webinar meetings of the WMATA Bus Transformation Project and attended the WMATA JCC meeting.

3.8 Freight Planning

Staff participated in a DDOT accessible curbside roundtable on October 1.

3.9 Metropolitan Area Transportation Operations Coordination Program Planning

The Metropolitan Area Transportation Operations Coordination (MATOC) program is an operational partnership of the region's major transportation agencies, funded outside the UPWP, and with certain planning support activities provided by TPB staff under this task.

The October 8 meeting of the MATOC Severe Weather Coordination Working Group was organized and conducted at the University of Maryland Center for Advanced Transportation Technology (CATT) Lab facility.

The October 11 MATOC Steering Committee meeting was organized and conducted, continuing discussion of communications, coordination, and Traffic Incident Management topics.

A special meeting of the MATOC Operations Subcommittee was organized and conducted on October 24 to coordinate planning for traffic operations during the then, upcoming Major League Baseball World Series games in Washington.

Task 4	BUDGET	Billed this month	% Funds Expended	UPWP Page
PUBLIC PARTICIPATION	\$1,013,150	\$54,713	22%	39

4. PUBLIC PARTICIPATION

4.1 Public Participation and Outreach

Staff continued work on the update of the TPB’s Public Participation Plan. As part of an initial information-gathering phase, staff convened three internal brainstorming sessions in order to review and discuss the existing plan, federal regulations, findings from the 2019 federal certification review, findings from a 2019 consultant evaluation of the TPB’s public participation activities, and a selected sample of other MPO participation plans. Based on these discussions, staff pulled together a recommended approach for the new plan, which will be presented to external stakeholders for input. The update process will take place throughout the fall. Board approval is expected in early 2020.

Staff planned for the next session of the TPB’s Community Leadership Institute, which will be conducted in three evening sessions during the last week of October and the first week of November. Staff confirmed participants and revised the curriculum. The opening session, which was held on October 30, featured an introduction to the TPB and a role-play activity. TPB Chair Martin Nohe gave opening remarks to 22 participants, which is a larger number of participants than previous sessions.

The Citizens Advisory Committee (CAC) met on Thursday, October 10. At the meeting, the committee was briefed on the COG regional housing targets, bicycle and pedestrian walksheds near transit stations, and on transportation safety.

Staff continued preliminary planning activities for public outreach related to the update of the long-range plan in 2022 and implementation of Visualize 2045, the plan adopted in 2018.

Staff selected a candidate to fill a public engagement specialist position. The candidate accepted the offer and is scheduled to begin work on November 12.

4.2 Communications

The TPB News, the TPB’s online newsletter, featured stories on the items related to the TPB agenda in October:

- *How COG's housing initiative links to transportation*
October 23, 2019
- *Law enforcement helps ensure pedestrian safety on the region's roads*
October 8, 2019
- *The TPB is recruiting community leaders for its Fall 2019 Community Leadership Institute*
October 8, 2019

Throughout the period, TPB staff maintained an active presence on social media.

Staff updated pages on the COG website related to transportation.

Task 5	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL FORECASTING	\$3,140,203	\$153,33	20%	41

5. TRAVEL FORECASTING

5.1 Network Development

2018 base-year transit network: This network was completed in FY 2019 and is now being used as the basis for coding year-specific transit networks for the air quality conformity analysis of the 2020 Amendment to Visualize 2045 and the FY 2021-2024 Transportation Improvement Program (TIP). In October, staff documented the base-year network in a draft memo dated October 3.

Air quality conformity analysis of the 2020 Amendment to Visualize 2045 and the FY 2021-2024 TIP: This analysis will require six transportation networks as inputs to the travel demand forecasting model: 2019, 2021, 2025, 2030, 2040, and 2045. In October, staff completed highway and transit network development for 2025 and 2030 and forwarded these to Model Application staff for use in the travel demand model. This work included the update of the GIS network database to reflect the highway and transit projects listed in the air quality conformity inputs table for each respective network year. Network quality control/quality assurance (QC/QA) included the comparison of each set of network files to the files from the same analysis years from the Visualize 2045 plan, as well as the previous year’s network files from this analysis. Staff also reviewed highway toll and transit fare inputs. Staff began highway and network file development for the 2040 and 2045 analysis years. Staff reviewed the 2019 and 2021 travel demand results for reasonableness, comparing changes in travel demand results to network and land activity changes.

TPB staff recently conducted a survey of large MPOs to determine the techniques used by each MPO for managing and editing transportation networks. In October, staff continued documenting the findings in a technical memo.

Recently, staff had noticed a bug in COGTools that resulted in occasional duplication of the primary key (EdgeID) in the link table, which could result in duplicate records. Staff is working to design new rules for the primary key and to implement these changes into the COGTools software used to maintain the multi-year transportation network geodatabase.

5.2 Model Development, and Support

The Travel Forecasting Subcommittee (TFS) meets in odd-numbered months, so it did not meet in October. Nonetheless, staff worked on preparing the meeting highlights from the September 20 TFS meeting.

Production-use, travel demand forecasting model: Generation-2/Ver. 2.3

The Ver. 2.3 Travel Model (specifically Ver. 2.3.78) is being used in the air quality conformity analysis. It is expected that the results of the air quality conformity analysis will be presented to the TPB in February, with possible adoption in March 2020, at which point the Ver. 2.3.78 Model would become the adopted, production-use model.

Developmental, travel demand forecasting model: Generation-2/Ver. 2.3 and Ver. 2.4

Using the Ver. 2.3.78 Model as the baseline, staff continued work on two principal refinements to the Ver 2.3 Model: 1) Revising the trip distribution process for external auto trips, based on observed origin-destination data from cellular devices; and 2) Improving the model’s performance on estimating commuter rail ridership. It is planned to combine all the model updates into an updated production-use model (Ver. 2.4) in the next few months. In October, staff completed draft

documentation, dated October 23, describing the revised external trip distribution feature. Testing and evaluation of the developmental model is currently in progress. For example, in October staff conducted a select-link analysis to determine if the model was replicating expected bridge crossing patterns. It is planned that the Ver. 2.4 Model will be phased into production following the current air quality conformity analysis of the FY 2021-2024 TIP and Plan.

Developmental, travel demand forecasting model: Generation-2/Ver. 2.5

In June, in consultation with the DTP Director, it was decided that model development work should be shifted away from the Ver. 2.5 Model, and toward the Ver. 2.3 and 2.4 models.

Developmental, travel demand forecasting model: Generation-3

The consultant selection process for RFP 19-015 (Consultant Assistance to Develop the Next-Generation Travel Demand Forecasting Model, known as the Gen3 Model) continued during October. COG contracting staff sent notices to the winning and losing vendors. A contract was developed and reviewed by COG’s legal office. It is planned that the contract will be sent to the winning vendor after all necessary contracting steps and sign-off have occurred (likely in November).

In anticipation of the upcoming Gen3 Model, staff reviewed modeling software that might be used for the new model, including reviewing work done by peer MPOs, such as the Chicago Metropolitan Agency for Planning (CMAP).

Other activities

Data requests and model support: Staff serviced five data requests in October. Requested data included the adopted, production-use travel model (Ver. 2.3.75), loaded-links highway networks, the select-link analysis program, person and vehicle trip files, and Maryland Transit Administration (MTA) transit line files.

Staff participated in the kick-off meeting for the Big Data Evaluation Study. Staff also participated in discussions regarding data cleaning for the Regional Travel Survey (RTS). Staff installed Cube software on several new staff computers.

Task 6	BUDGET	Billed this month	% Funds Expended	UPWP Page
MOBILE EMISSIONS PLANNING	\$1,978,852	\$109,674	24%	45

6. MOBILE EMISSIONS PLANNING

6.1 Air Quality Conformity

Upon completion of the network development process, Department of Transportation Planning (DTP) staff conducted and reviewed travel demand and emissions modeling processes for analysis years 2019 and 2021. DTP staff also developed transportation networks for analysis years 2025 and 2030.

Four members of DTP staff attended a three-day, in-depth National Transit Institute (NTI) Introduction to Conformity class covering all aspects of the conformity process.

Staff forwarded October meeting agenda items relating to the air quality consultation elements to all relevant agencies and public advisory committees in accordance with standard consultation procedures.

6.2 Mobile Emissions Analysis

DTP staff continued working closely with COG’s Department of Environmental Programs (DEP) staff on development of the base-year emissions inventory submittal to the Environmental Protection Agency (EPA) as part of the 2015 ozone National Ambient Air Quality Standards (NAAQS) requirements. On the October Emissions Inventory Subcommittee call, DEP staff discussed the project timeline and schedule for the base-year inventory development. The subcommittee agreed to finalize and share a draft 2017 Base-Year Emissions Inventory document with the EPA in December 2019. Upon completion of travel demand and emissions modeling for the on-road inventory component, DTP staff began developing technical documentation that will be included in Appendix D of the 2017 Base-Year Emissions Inventory document.

DTP staff provided an update to the Transportation Planning Board (TPB) Technical Committee (Other Business) on Federal Preemption of Fuel Economy Standards (or “One National Program Rule”). DTP staff and DEP staff also wrote a joint technical memorandum to the TPB, Metropolitan Washington Air Quality Committee (MWAQC), and Climate, Energy and Environment Policy Committee (CEEPC) on the preliminary assessment of the One National Program Rule.

Upon completion of all travel demand and MOVES modeling activities related to the 2018 Greenhouse Gas (GHG) Inventory Update, staff documented the findings and shared the GHG inventories and other data summaries with DEP staff.

In support of CEEPC’s 2030 Climate Action Plan and associated scenario planning aimed at finding different ways to reach the goals outlined in the Climate Change Report (2008), DTP staff shared the most recent 2030 GHG inventories and other transportation-related data with DEP staff.

DTP staff continued to work with DEP staff, member jurisdictions, and state air agencies to facilitate various other aspects of GHG planning activities. Specifically, in the month of October, DTP staff attended an EPA-sponsored webinar “Electric Vehicle Trends and Projections.”

DTP management and staff, along with DEP staff and COG’s executive office representatives, coordinated activities with our members, as well as with other regional councils (COGs) and metropolitan planning organizations (MPOs) regarding the Transportation-Climate Initiative (TCI). Specifically, DTP staff prepared a memorandum on the TCI Framework for a Draft Regional Policy Proposal (released on October 1) and presented it to the TPB Technical Committee (Other Business), specifically making our member jurisdictions aware of the 30-day public comment period that began on October 1. A similar version of the memorandum (tailored for TPB representatives) was shared with the TPB as a part of the Director’s Report. DTP staff also attended a COG/MPO convening group conference call to continue to monitor current TCI activities in the Northeast and Mid-Atlantic regions.

DTP models application staff prepared analysis of emissions savings from Car Free Days 2019.

Task 7	BUDGET	Billed this month	% Funds Expended	UPWP Page
TRAVEL MONITORING AND DATA PROGRAMS	\$2,458,858	\$103,131	20%	47

7. TRAVEL MONITORING AND DATA PROGRAMS

7.1 Regional Travel Survey

For the October 2019 reporting period, key tasks were focused on RTS data processing. COG/TPB staff continued to perform edits to the trip files in the RTS, in addition to reweighting the 2007/2008 Household Travel Survey to match the weighting procedures used in the 2017/2018 RTS. COG/TPB staff presented the preliminary findings of select indicators from the recruitment

questionnaire which include household characteristics (e.g., household size, income, no. of workers), number of vehicles, frequency of travel options, delivery services, and vehicle characteristics (e.g., vehicle year, fuel type, toll transponder) at the October 4 TPB Technical Committee meeting. COG/TPB staff also worked with RSG to review the response to date for a 7-Day Panel Survey using a GPS smartphone app that was launched in October 2019.

7.2 Traffic Analysis Studies, and Research

Staff collaborated with the Systems Performance Planning team to update the HOV/Express lane section of the Commuter Connections Metropolitan Regional TDM Resource Guide and Strategic Monitoring Plan (SMP).

Staff reached out to WMATA and requested a copy of the Metrobus 2018 Survey. Staff is waiting to learn more details about a non-disclosure agreement that will be required to obtain access to the data.

Staff participated in the Frontiers of Big Data, Modeling, and Simulation in Urban Sustainability webinar.

Big Data in Regional Travel, and Mobility Analyses

In coordination with Kimley Horn (the project consultant), the staff project manager organized and conducted a study working group kickoff meeting. The study working group is composed of interdisciplinary representatives from across the Department of Transportation Planning. Following the meeting each representative reviewed and provided input on the draft survey for peer agencies, the list of peer agencies to include in the survey, and the work plan. The project manager also edited the summaries from the internal kickoff meeting and project workgroup kickoff meeting. The consultant updated the workplan and study framework.

7.3 Regional Transportation Data Clearinghouse

Staff responded to a request from a consultant working with TPB's safety planner regarding obtaining additional metadata for the data received (TPB roadway network).

Staff responded to a request from Virginia Department of Transportation (VDOT) staff on the availability of the High Capacity Transit (HCT) layer in the RTDC.

Staff continued to process traffic count data to format as content for the RTDC. Layers include annualized traffic counts (by link and station), external station counts, hourly traffic volumes, and vehicle classification count data.

Staff completed the request for average weekday transit ridership from regional transit providers. Staff continue to process the data received to date.

Staff finalized the draft of the 2018 Regional Vehicle Miles Traveled (VMT) by Jurisdiction and Functional Classification spreadsheet and shared it with COG/TPB's freight planner. In addition, staff met internally to discuss how best to make this information available through the RTDC.

Staff met internally to discuss the update of several RTDC feature classes and tables. Subsequently, staff finalized the 2016 and 2017 hourly traffic count tables and began work on the 2017 vehicle classification tables. Staff began summarizing the FY 2019 transit ridership data and explained transit ridership differences on I-66 between 2015 and 2019 to COG/TPB PBPP staff.

Staff attended the 2019 FHWA Highway Information Seminar held in Arlington VA on October 22 through October 24.

7.4 GIS Data, and Analysis

Staff attended and participated at the Association of Metropolitan Planning Organizations' (AMPO) conference held the week of October 21-25 in Baltimore. Staff delivered a presentation entitled "Making Your Plans Come Alive" that described TPB's experience developing interactive maps and visualization products for various work program items, including Visualize 2045.

Staff delivered a presentation to the TPB at its October 16 TPB on the existing High Capacity Transit (HCT) stations. Staff gave a brief demo of the online web mapping application. Staff also gave a similar presentation to the TPB Citizens Advisory Committee at its October 10 meeting.

Staff responded to a request from the Montgomery County Executive to develop a series of PDF maps of Montgomery County containing the transportation analysis zones (TAZ), clearly labeling each TAZ.

Staff attended and participated in (as a member of the Technical Advisory Committee) the kickoff meeting on October 3 for the Evaluating Big Data in Regional Travel and Mobility Analyses project recently undertaken by TPB/COG.

Staff continued to refine the draft network of bicycle and pedestrian facilities used to expand the National Capital Trail.

Staff began outreach to TPB member jurisdictions to schedule meetings with jurisdictional staff to discuss the draft prioritized list of High Capacity Transit (HCT) stations as part of the Station Access project. Staff traveled to Arlington County to meet with jurisdictional staff on October 22.

Staff downloaded 2012 to 2016 Census Transportation Planning Product (CTPP) data flow tables for all fifty states, this work is ongoing.

Staff began to develop an agenda and content for the TPB/COG GIS Day event scheduled for November 13.

Staff worked with Commuter Connections to address a data access issue with their Bike to Work Day map.

Staff performed software updates for ArcGIS on user desktop workstations, as requested.

Staff assisted staff from the Department of Environmental Programs (DEP) with a request for access to the spatial data layers related to the environmental mitigation and consultation element of Visualize 2045.

Staff assisted DEP staff with advice and guidance on adjusting permissions in ArcGIS to enable web editing of online content and access to the ArcGIS Online organizational account through a personal ArcGIS Online account.

Task 8	BUDGET	Billed this month	% Funds Expended	UPWP Page
SCENARIO PLANNING AND SOCIOECONOMIC FORECASTING	\$1,116,639	\$66,019	25%	51

8. SCENARIO PLANNING AND SOCIOECONOMIC FORECASTING

8.1 Scenario Planning

Staff conducted internal coordination with the Plan Development team to further how determine Scenario Planning will be used to support the next plan as well as its increasing role in the core programs.

8.2 Socioeconomic Forecasting

As with prior months, most of the activities relating to Socioeconomic Forecasting focused on efforts to address the regional housing initiative and targets.

Following unanimous adoption by the COG Board of the Housing Targets, DCPS staff was invited to brief numerous member jurisdictions and partner / stakeholder organizations on the methodology

and COG Board resolution/recommendations, including: Apartment and Office Building Association (AOBA), Prince George’s County Council, Montgomery Planning Board, TPB Technical Committee, TPB Citizens Advisory Committee (CAC), Montgomery County Council, Transportation Planning Board, Baltimore Metropolitan Council (BMC) Forecasting Committee, and the Region Forward Coalition.

At its October meeting, the Planning Directors Advisory Committee continued the COG Board Housing Initiative discussion with a briefing on the new Loudoun County Comprehensive Plan that focuses more housing in Activity Centers and High-Capacity Transit Station areas in the County. Committee members also discussed how to frame implementation of the housing production targets including jurisdictional housing targets; future presentations on best practices (i.e., Montgomery County Subdivision Staging Policy, innovative school design, private developers); inviting other stakeholders (ex. school officials); coordination with Housing Directors (future joint meetings); developing a mechanism to track progress toward targets; and impediments (ex. density challenge discussions).

At its October meeting, and to assist with the accuracy of their baseline population and housing estimates, the Cooperative Forecasting Subcommittee was briefed by Census Bureau staff on Differential Privacy and the Overall Privacy of Decennial Census Data. In addition, Subcommittee members were briefed on COG’s regional housing initiative, and discussed possible data points to collect and measure progress towards the targets.

To assist with small-area forecasting and assess progress in the housing targets, DCPS staff continued work to analyze CoStar multi-family housing data. A draft report on the findings will be developed later this fall.

DCPS staff and DTP staff worked on the development of 2018 baseline employment estimates.

To assist with development of their baseline population estimates, DCPS staff continued an analysis of IRS county-to-county migration data. A paper or short report on the findings will be developed later this fall.

Task 9	BUDGET	Billed this month	% Funds Expended	UPWP Page
MOBILITY AND ENHANCEMENT PROGRAMS	\$649,946	\$25,545	17%	55

9. MOBILITY AND ENHANCEMENT PROGRAMS

9.1 Enhanced Mobility Grant Program

Planning continued for the dockless vehicle discussion scheduled for the AFA meeting to be held November 4, including meeting with the COG/TPB lead on dockless, consultation with Chair Kostiuik, and development of focus areas to guide the meeting discussion.

The final preapplication, via webinar, for the 2019 Enhanced Mobility Solicitation was held on October 1. Staff continued to field questions from interested applicants throughout the month.

Staff attended DRPT’s two-fold meeting on its proposed coordinated plan and future 5310 solicitation on October 2 in Richmond, Virginia.

Staff attended the USDOT Access and Mobility for All Summit on October 29.

9.2 Transportation Alternatives Set-Aside Program

There was no activity related to TAP during this period.

9.3 Transportation Land-Use Connections Program

The 13 TLC projects for FY 2020 were underway as described below:

- DC (Florida and New York Avenues): Consultant was selected, and the contract was sent to them on 10/29 for review and signature.
- MD (City of Frederick): Contract sent to consultant on 10/28 for review and signature.
- MD (City of College Park): Contract sent to consultant on 10/29 for review and signature.
- MD (Frederick County): Consultant was selected, and the contract was sent to them on 10/29 for review and signature.
- MD (City of Gaithersburg): Contract sent to consultant on 10/28 for review and signature.
- MD (City of Greenbelt): Consultant was selected, and the contract was sent to them on 10/29 for review and signature.
- MD (Montgomery County): Contract sent to consultant on 10/29 for review, was signed and executed on 10/30. Schedule for kick-off meeting pending.
- MD (City of Takoma Park): Consultant was selected, and the contract was sent to them on 10/29 for review. Contract signed and executed on 10/30. Schedule for kick-off meeting pending.
- VA (Arlington County): Consultant was selected, and the contract was sent to them on 10/29 for review and signature.
- VA (Fairfax County): Contract sent to consultant on 10/29 for review and signature.
- VA (City of Falls Church): Contract sent to consultant on 10/28 for review, was signed and executed on 10/30. Kick-off meeting for project was held on 10/31.
- VA (City of Manassas): Contract sent to consultant on 10/28 for review and signature.
- VA (Prince William County): Contract sent to consultant on 10/29 for review and signature.

Staff worked on developing a peer exchange event for later this year. Staff also continued conducting research on implementation activities resulting from TLC projects from three recent years – FY 2016, FY 2017, and FY 2018.

Task 10	BUDGET	Billed this month	% Funds Expended	UPWP Page
TPB SUPPORT AND MANAGEMENT	\$978,789	\$54,616	24%	57

10. TPB MANAGEMENT AND SUPPORT

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 and 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 sub-committees:

- State Technical Working Group (STWG)
- TPB Technical Committee
- TPB Steering Committee
- Transportation Planning Board (TPB)
- Bicycle & Pedestrian Subcommittee
- Metropolitan Area Transportation Operations Coordination Program (MATOC)
- Regional Public Transportation Subcommittee (RPTS)
- Citizens Advisory Committee (CAC)
- System Performance, Operations, and Technology Subcommittee (SPOTS)

Support activities from the administrative staff included: meeting logistics with meeting rooms and amenities, copying and distribution of meeting materials, email/phone call follow ups. Additionally, staff also worked on monitoring work program activities, providing administrative assistance to senior staff and monitoring and prepare financial reports. Additionally, administrative staff work on monthly financial administration and management activity which includes review and finalization of monthly expense reports for all UPWP activities, development and submission of monthly UPWP invoices and any follow up activity with the funding agencies.

The Staff Director provided overall program management oversight to all the Department's activities. Work activities the Director was involved in during the month of October 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.
- Participation in the STWG, TPB Technical Committee, TPB Steering Committee, TPB's Citizen's Advisory Committee and the TPB Board meetings.
- Participation in the bi-weekly meetings of the State Safety Oversight/Metro Safety Commission (SSO/MSO) Policy Work Group meetings. This "tri-state" group is working to reconstitute the existing Metro rail safety oversight Committee to comply with the requirement of the FAST Act.
- Metropolitan Washington Air Quality Committee

Other additional activities for the TPB Staff Director for the month of **October FY 2020** includes:

- Racial Equity Discussion
- COG-Budget and Finance Meeting
- COG-Board of Directors Meeting
- COG Planning Directors Meeting
- Site Visit Logistics Discussion / S. Cook
- BTP Strategy Recommendations – Discussions with TPB member agencies
- SK Solutions Meetings / TOD Team
- Greater Washington Partnership – Discuss MetroBus Now initiative
- FHWA, VDOT & Stafford County Meeting
- HUD Regional Housing Impediments Discussions

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 Technical Committee, the 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	\$1,573,168	\$27,314	7%	59
District of Columbia	\$288,548	\$5,117	17%	59
Maryland	\$641,082	\$10,082	3%	61
Virginia	\$461,312	\$11,931	8%	64
WMATA	\$182,226	\$183	1%	67

11. TECHNICAL ASSISTANCE

11.1 District of Columbia

Program Development, Data Requests and Miscellaneous Services

Staff attended the monthly State Technical Working Group / Technical Committee / Steering Committee / TPB meeting cycle.

Traffic Counts and Highway Performance Monitoring System (HPMS) Support

Staff summarized and analyzed the September traffic data from PCS, FTMS, and HERE stations and shared the summaries with DDOT staff for field inspection purposes. Staff reviewed and summarized 32 short term counts received from the contractor.

Staff attended the 2019 FHWA Highway Information Seminar held and participated in the FHWA quarterly Talking Traffic webinar.

11.2. Maryland

Program Development, Data Requests, and Miscellaneous Services

Staff attended the monthly State Technical Working Group/Technical Committee/Steering Committee/TPB meeting cycle. Following a request to evaluate the Frederick-Shady Grove Ridership and Revenue Study, staff corresponded with MDOT SHA about a potential scope of work.

Feasibility/Special Studies

- Traffic Relief Plan (TRP): Staff attended the following Traffic Relief Plan meetings in the month of October to monitor the project development activities:
- I-495 & I-270 Managed Lanes Study Meeting (NEPA)
- I-495 & I-270 Managed Lanes Study Transit Work Group (NEPA)
- I-270 north of I-370 Study Meeting (Pre-NEPA)
- I-270 north of I-370 Study Transportation Agency Technical Group Meeting (Pre-NEPA)

Staff provided input to the study team(s) throughout the process.

Transportation / Land Use Connections Program

As part of the Transportation/Land-Use Connections Program, five technical assistance projects in Maryland were fully or partially funded through the Maryland Technical Assistance Program. See TLC item above for further details about the TLC Program.

MARC-VRE Run Through Analysis

The third technical advisory committee (TAC) meeting was held for this project on October 22 to review the results of the assignment of travel sheds (Task 3.1). Staff reviewed and provided input on the consultant's presentation for the TAC meeting. The consultant continued to perform outreach to stakeholders and evaluate potential data sources to help identify the present and future volume of travel (Task 3.2). The consultant requested TAZ-to-TAZ trip production and attraction data from the Maryland statewide model. Staff notified TAC members about the presentation to the RPTS on the MARC Cornerstone Plan. Staff reviewed and approved the consultant's invoice for the August and September 2019 billing period.

11.3. Virginia

Program Development, Data Requests, and Miscellaneous Services

Staff attended the monthly State Technical Working Group/Technical Committee/Steering Committee/TPB meeting cycle.

Travel Monitoring and Survey

Staff prepared the Nonmotorized Study Phase I (Spring 2019 Counts) report, sent it to VDOT for their comments, incorporated comments from VDOT staff and finalized the report. For Phase II (FY 2020 counts), staff prepared the scope of work, incorporated comments from VDOT staff, received a cost proposal from the contractor, and sent out the notice to proceed. The first twelve counts will take place before November 15.

Staff transmitted a final copy of the 2019 VDOT Mode Share Study: I-395 Corridor,

MARC-VRE Run Through Analysis

This project is funded by Maryland and Virginia, please see the description under Maryland.

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 the Virginia Technical Assistance Program. See TLC item above for further details about the TLC Program.

11.4. Regional Transit/Wmata

Program Development

Staff attended the monthly State Technical Working Group/Technical Committee/Steering Committee/TPB meeting cycle.

CONTINUOUS AIRPORT SYSTEM PLANNING**Comprehensive Regional Air System Plan Update – Phases 2 and 3**

In coordination with the Metropolitan Washington Airports Authority (MWAA), and the Maryland Aviation Administration (MAA), staff continued to finalize Phase 2 of the Regional Air System Plan (RASP) and begin work on Phase 3.

Process 2019 Air Passenger Survey - Phase 1

During this reporting period, key tasks were performed to prepare for and conduct the 2019 Washington-Baltimore Regional Air Passenger Survey, which began on October 16 and ran through the duration of the month at the region's three largest airports: 1) Baltimore/Washington Thurgood Marshall Airport (BWI), 2) Washington Dulles International Airport (IAD), and 3) Ronald Reagan Washington National Airport (DCA).

Duties conducted by staff over the course of the survey period included:

- Field operations observation
- Flight scheduling assistance
- Daily review of completed flight log spreadsheets
- Liaising with key points of contact at each airport to ensure airline cooperation with survey activities and that field staff were provided with all necessary materials, including appropriate field office spaces, keys, and parking passes

PROGRESS TOWARD REPORTS AND PLANS

2019 State of Public Transportation Report

- Work to begin in December 2019
- Estimated completion June 2020

Congestion Management Technical Report

- Information compilation and report development continued
- A draft report is anticipated by April 2020, finalization by June 2020

Big Data in Regional Travel and Mobility Analyses

- Held study working group project Kickoff meeting
- Estimated completion June 2020

VRE-MARC RUN THROUGH SERVICE

- The results of Task 3.1: Identify Travel Sheds was presented to Regional Public Transportation Subcommittee
- Consultant currently identifying travel sheds
- Estimated completion March 2020

Public Participation Plan

- Continued internal discussions on key inputs (e.g., federal regulations, federal certification review, consultant evaluation of TPB public participation, plans of other MPOs)
- Synthesized proposed changes for the new plan
- Prepared for receiving additional input
- Estimated completion: March 2020

Station Access Study

- Began to conduct site visits to review the preliminary staff list with local staff
- Estimated completion: March 2020

Performance Based Planning and Programming

Highway Safety

- Deliver Regional PBPP Safety Targets
- Data compilation and analysis begun September 2019
- Completion anticipated December 2019

Transit Asset Management

- Deliver Regional PBPP Transit Asset Targets
- Data compilation and analysis to begin November 2019
- Completion anticipated February 2020

Safety Study

- Deliver Regional Safety Study Findings and Recommendations
- Consultant provided input to staff toward findings and recommendations.
- Completion anticipated February 2020.

System Performance – National Capital Region Freight Plan

- The National Capital Region Freight Plan was approved by the TPB in July 2016
- Traditionally the plan is updated every five years
- The current plan is anticipated to be approved by the TPB in 2021

BRT land use and service standards document

- No action pending WMATA Bus Transformation Project outcome

Bicycle and Pedestrian Plan

- Activity is anticipated subsequent to the Expand the Nation Capital Regional Trail project, in order for information from that effort to be included in the plan update.
- Completion anticipated June 2020.

National Capital Regional Trail

- Work continued, with a first draft anticipated for Bicycle and Pedestrian Subcommittee review in November.
- Completion anticipated December 2019.

Regional Curbside Management Forum

- Work to begin December 2019
- Completion anticipated June 2020

Metropolitan Washington Regional Intelligent Transportation Systems Architecture (MWRITSA)

- No milestones to report for this period
- The most recent MWRITSA full update was posted on the TPB website in July 2019. Minor adjustments and updates are anticipated by June 2020

Coordination Human Services Transportation Plan

- The current Coordinated Plan was adopted by the TPB in December 2018
- 2019 Enhanced Mobility Solicitation, which the Coordinated Plan governs, will open in October and close November 4, 2019. Selection Committee will convene in December 2019. Recommended projects will be brought before the TPB for review and approval in January and February 2020.
- The next update of the Coordinated Plan will occur in 2022

Transportation Improvement Program (TIP)

- The current TIP was approved by the TPB on October 17, 2018 for FY 2019–2024
- Staff is currently in the process of collecting data for the FY 2021-2024 TIP
- The call for projects was announced in May 2019
- Inputs for the TIP are due December 2019
- A public forum will be held 24 on March 12, 2020
- The 2021 – 2024 TIP is anticipated to be approved following a comment period in May 2020

Visualize 2045

- The Long-Range plan was adopted by the TPB on October 17, 2018
- Staff remain engaged in promoting the aspirational element of the plan
- The next update to the plan is anticipated in FY 2022

FY 2020 TRANSPORTATION PLANNING BOARD

COG/TPB BUDGET EXPENDITURE SUMMARY

October 2019

	DC, MD and VA FTA, FHWA and LOCAL BUDGET TOTAL	FUNDS EXPENDED	BILLED THIS MONTH	% FUNDS EXPENDED
I. Long-Range Transportation Planning				
Long - Range Transportation Planning	1,002,493.00	210,121.26	46,432.82	21%
SUBTOTAL	1,002,493.00	210,121.26	46,432.82	21%
Transportation Improvement Program	263,982.00	81,545.73	17,987.23	31%
TIP Database Support	170,000.00	12,417.00	0.00	7%
SUBTOTAL	433,982.00	93,962.73	17,987.23	22%
Congestion Management Process	613,020.00	162,933.62	39,896.24	27%
Systems Performance, Ops & Tech Planning	659,650.00	163,404.71	35,746.88	25%
Transportation Emergency Preparedness Planning	124,162.00	42,809.82	10,693.60	34%
Transportation Safety Planning	298,785.00	47,562.61	9,147.94	16%
Bicycle & Pedestrian Planning	141,278.00	51,343.60	12,632.05	36%
Regional Public Transportation Planning	322,516.00	55,759.21	11,772.50	17%
Freight Planning	222,293.00	36,374.35	14,526.25	16%
Metropolitan Area Transportation Operation Coord Program Planning	164,580.00	59,195.89	14,955.03	36%
Performance-Based Planning & Programming	304,526.00	75,913.70	22,409.84	25%
SUBTOTAL	2,850,810.00	695,297.51	171,780.33	24%
Public Participation	1,013,150.00	218,625.17	54,713.84	22%
SUBTOTAL	1,013,150.00	218,625.17	54,713.84	22%
Software Support	176,296.00	40,325.37	8,422.53	23%
Network Development	657,578.00	252,975.50	72,038.60	38%
Model Development	2,306,329.00	323,751.27	72,869.81	14%
SUBTOTAL	3,140,203.00	617,052.13	153,330.93	20%
Air Quality Conformity	888,388.00	223,258.44	56,421.34	25%
Mobile Emissions Analysis	1,090,464.00	242,967.89	53,252.77	22%
SUBTOTAL	1,978,852.00	466,226.33	109,674.11	24%
Regional Travel Survey	745,208.00	202,898.27	43,967.18	27%
Traffic Analysis & Research	675,464.00	26,997.71	8,921.75	4%
Regional Transportation Data Clearinghouse	455,937.00	71,766.59	25,796.60	16%
GIS Analysis	582,249.00	179,821.16	24,445.51	31%
SUBTOTAL	2,458,858.00	481,483.72	103,131.04	20%
Socioeconomic Forecasting	761,012.00	271,287.65	65,506.04	36%
Scenario Planning	355,627.00	5,059.34	513.76	1%
SUBTOTAL	1,116,639.00	276,346.98	66,019.80	25%
Transportation and Land Use Connections Program	492,958.00	56,523.58	11,933.98	11%
Enhanced Mobility Grant Program	105,634.00	39,088.32	9,603.24	37%
Transportation Alternatives Set-Aside Programs	51,354.00	17,522.91	4,008.65	34%
SUBTOTAL	649,946.00	113,134.81	25,545.86	17%
TPB Support and Management	978,789.00	231,199.59	54,616.82	24%
SUBTOTAL	978,789.00	231,199.59	54,616.82	24%
SUBTOTAL CORE PROGRAM ITEMS 1-10	15,623,722.00	3,403,450.23	803,232.80	22%
District of Columbia Technical Assistance	288,548.00	47,845.22	5,117.31	17%
Maryland Technical Assistance	641,082.00	20,887.56	10,082.41	3%
Virginia Technical Assistance	461,312.00	37,557.78	11,931.27	8%
WMATA Technical Assistance	182,226.00	183.47	183.47	0%
Technical Assistance Program Total	1,573,168.00	106,474.04	27,314.46	7%
TPB GRAND TOTAL	17,196,890.00	3,509,924.27	830,547.26	20%

**FY 2020 TRANSPORTATION PLANNING BOARD
FINANCIAL STATUS OF TECHNICAL ASSISTANCE
October 2019
SUPPLEMENT 1**

	TOTAL		FTA/STA/LOC		PL FUNDS/LOC	
	AUTHORIZED BUDGET	TOTAL EXPENDITURES	AUTHORIZED BUDGET	FTA EXPENDITURES	AUTHORIZED BUDGET	FHWA EXPENDITURES
A. District of Columbia Technical Assistance						
Program Development & Misc	10,000.00	2,077.18	1,422.89	295.56	8,577.11	1,781.62
Traffic Counts & HPMS Support	235,000.00	45,768.04	33,437.99	6,512.30	201,562.01	39,255.74
Other Tasks	43,548.00	0.00	6,196.42	0.00	37,351.58	0.00
SUBTOTAL	288,548.00	47,845.22	41,057.30	6,807.86	247,490.70	41,037.36
B. Maryland Technical Assistance						
Program Development & Misc	15,000.00	1,393.01	2,134.34	198.21	12,865.66	1,194.80
Planning Studies	100,000.00	7,330.93	14,228.93	1,043.11	85,771.07	6,287.81
Feasibility/Special Studies	50,000.00	0.00	7,114.47	0.00	42,885.53	0.00
Transportation Performance Measures	100,000.00	0.00	14,228.93	0.00	85,771.07	0.00
Training, Misc and Tech Support	20,000.00	0.00	2,845.79	0.00	17,154.21	0.00
Transportation/Land Use Connection Program	260,000.00	0.00	36,995.23	0.00	223,004.77	0.00
Other Tasks	61,082.00	0.00	8,691.32	0.00	52,390.68	0.00
MARC - VRE Runthrough - MD	35,000.00	12,163.62	4,980.13	1,730.75	30,019.87	10,432.87
SUBTOTAL	641,082.00	20,887.56	91,219.13	2,972.08	549,862.87	17,915.48
C. Virginia Technical Assistance						
Program Development & Misc.	15,000.00	1,098.94	2,134.34	156.37	12,865.66	942.57
Travel Monitoring	148,000.00	24,295.22	21,058.82	3,456.95	126,941.18	20,838.27
Travel Demand Modeling	38,000.00	0.00	5,406.99	0.00	32,593.01	0.00
Sub-regional Planning Studies	58,000.00	0.00	8,252.78	0.00	49,747.22	0.00
Other Tasks	7,312.00	0.00	1,040.42	0.00	6,271.58	0.00
Transportation Land Use Connections	160,000.00	0.00	22,766.29	0.00	137,233.71	0.00
MARC - VRE Runthrough - VA	35,000.00	12,163.62	4,980.13	1,730.75	30,019.87	10,432.87
SUBTOTAL	461,312.00	37,557.78	65,639.78	5,344.07	395,672.22	32,213.71
D. WMATA Technical Assistance						
Program Development & Misc	5,000.00	183.47	5,000.00	183.47	0.00	0.00
Other Tasks	177,226.00	0.00	177,226.00	0.00	0.00	0.00
SUBTOTAL	182,226.00	183.47	182,226.00	183.47	0.00	0.00
GRAND TOTAL	1,573,168.00	106,474.04	380,142.21	15,307.49	1,193,025.79	91,166.55