

ITEM 10 – Information

October 19, 2022

2024 Long-Range Plan Update

Background:

Ms. Cook will review considerations related to the 2024 plan update and will present the schedule for the update.



MEMORANDUM

TO: Transportation Planning Board
FROM: Stacy Cook, TPB Transportation Planner, Long-Range Transportation Plan Program Manager
SUBJECT: 2024 LRTP Update
DATE: October 13, 2022

SUMMARY

This memo summarizes the new major activities and considerations for the 2024 update to the region's long-range transportation plan and FY 2025- FY 2028 TIP. The memorandum includes a preliminary schedule.

BACKGROUND

To ensure federal funds for transportation continue to flow through the region, a critical requirement is the approval of the Air Quality Conformity Determination of the Visualize 2045 update and the FY 2023-FY 2026 Transportation Improvement Program (TIP). The federal government requires the TPB to conduct an in-depth analysis to ensure projected emissions generated by users of the region's future transportation system will not exceed (or "conforms to") the air quality emissions budgets set forth in the region's air quality plans. This is known as air quality conformity. Based on the results of the analysis, a determination is made to confirm conformity. The federally approved conformity determination from 2018 had to be updated in 2022. **On August 25, 2022, the TPB's federal partners approved the conformity determination for the Visualize 2045 update and the FY 2023-FY 2026 TIP (see attached letter). This is the portion of the plan that receives official "approval;" the remaining federal requirements are reviewed during the quadrennial certification review.** The TPB is recognized for fulfilling its important role in ensuring that the National Capital Region's Metropolitan Planning Organization complies with its responsibilities to meet federal requirements.

Like plans that came before, the update to Visualize 2045 and the process used by the TPB to develop the plans must meet an array of federal requirements, including but not limited to compliance with performance-based planning rules, consideration of the ten federal planning factors, conducting a congestion management process, engaging in public participation, responding to concerns of non-discrimination and equity, and others. The federal agencies review the planning process as part of their Federal Certification Review, every four years. This review will begin this fall.

THE LRTP 2024 UPDATE: MAJOR ACTIVITIES AND CONSIDERATIONS

The 2022 conformity approval "resets the clock" and the TPB must obtain the same federal approval for the conformity determination for the next quadrennial plan no later than 4-years from that date (by August 25, 2026). The plan and TIP can, and will, be updated sooner. This memo reviews the new major activities and considerations for the 2024 update to the region's long-range transportation plan and FY 2025- FY 2028 TIP. The memorandum includes a preliminary schedule.

The 2024 LRTP update includes four major activities that the TPB will undertake, these are described below.

Please note: A substantial amount of TPB staff time is required to implement these activities. Additionally, the TPB members and their technical agencies must plan for additional time for their technical staff and decisionmakers to conduct these activities. While the schedule includes additional time to review existing project data and participate in policy-focused discussions about proposed projects, the level of effort will be substantially higher than it has been for past plan updates.

The TPB will:

1. Update non-transportation inputs
 - Extend outyear of Plan from 2045 to 2050
 - Update land-use and demographic assumptions (From COG's Cooperative Forecast 9.2A to 10.0) (2020 Census based; Post COVID, 2020 - 2050)
2. Develop a new financial plan
 - Updated transportation funding estimates
 - Five additional years (2046 - 2050)
 - IIJA - federal reauthorization based revenues
 - Costs reflecting latest inflation factor
3. Use new Motor Vehicle Emissions Budgets (MVEBs)
 - New MVEBs for 2015 Ozone Standards
 - Revised MVEBs for 2008 Ozone Standards
 - Required to use new emissions model (MOVES3)
4. Work with sponsoring agencies to re-examine/re-submit all projects, programs, policies
 - Re-examine/Re-submit projects, programs, policies ("zero-based budgeting")
 - Better reflecting TPB planning priorities
 - More aligned with enhanced policy framework
 - More reflective of TPB scenario findings

The following pages present a preliminary schedule for the 2024 update. This schedule is in part driven by requirements related to the air quality conformity requirements and is subject to change.

TPB's 2024 Plan and FY 2025–2028 TIP Update Schedule

Timeframe		Activity
CY 2022	Q4 CY 2022	<ul style="list-style-type: none"> • (October) Begin preliminary financial analysis: high-level revenue and expenditure forecast process with major agencies • Develop existing project listing for review and resubmission <ul style="list-style-type: none"> ○ Examine inputs to determine which are exempt from zero-based budgeting (ZBB) approach ○ Sponsor agencies review existing project records to align individual Project InfoTrak records with their “overarching” project ○ Sponsor agencies plan for staff time required to execute ZBB approach in early 2023 ○ ZBB approach and InfoTrak training for technical staff • Publish comprehensive summary of TPB/COG scenario study findings • Publish comprehensive summary of TPB priorities • Develop draft Technical Inputs Solicitation document for review
	Q1 CY 2023	<ul style="list-style-type: none"> • Continue financial analysis: repeat high-level revenue and expenditure forecast process with local jurisdictions and all agencies’ InfoTrak project cost review • The TPB releases the Technical Inputs Solicitation document to initiate the Call for Projects • Sponsor agencies will review and consider the TPB priorities/synthesized policy framework and scenario findings as they consider what to submit for the 2024 update • TPB staff will facilitate meetings with board members and their technical agency staff to discuss potential inputs during applied ZBB approach (3 meetings, one for each DC, MD, VA)
CY 2023	Q2 CY 2023	<ul style="list-style-type: none"> • Continue financial analysis: (through April) in tandem with InfoTrak database project cost review, (April -July) reconcile draft analysis results and produce preliminary financial plan to reflect project submission (June) • <i>Preliminary</i> inputs for the LRTP and Air Quality Conformity (AQC) analysis due to TPB staff for staff review and internal coordination (mid-May) • Sponsor agencies submit technical corrections to preliminary inputs and updates based on TPB/interagency consultation to produce final inputs for comment period • <i>Final</i> project inputs for the LRTP and Air Quality Conformity (AQC) analysis due to TPB staff for presentation in comment period documentation (early June)

TPB's Long-Range Transportation Plan - 2024 Update
Draft as of 10/5/2022

	Q3 CY 2023	<ul style="list-style-type: none"> Continue financial analysis: (August 2023-June 2024) final revisions, report production The TPB Technical Committee will review the conformity project inputs table and the draft inputs to the plan and the draft AQC scope of work, as well as the results of the preliminary financial analysis The TPB will receive a briefing on the draft inputs to the plan/AQC analysis and the draft AQC scope of work and the preliminary financial analysis Public comment period on inputs to the plan/AQC analysis, and AQC scope of work. MWAQC TAC will review this information during its summer meeting The TPB will receive a summary of the public comments on the draft inputs to the plan and AQC analysis; agencies sponsoring the projects will have the opportunity to discuss and advise staff on responses (July)
	Q4 CY 2023	<ul style="list-style-type: none"> The TPB will review responses to comments and updates to inputs to the plan and scope of work for the AQC analysis. The TPB will be asked to accept the comments and approve the inputs and scope, authorizing staff to begin analysis MWAQC approves updated MVEBs associated with 2008 ozone maintenance plan (December drop-dead date)
CY 2024	Q1 CY 2024	<ul style="list-style-type: none"> Continue financial analysis: (August 2023-June 2024) final revisions, report production Commence Air Quality Conformity technical analysis
	Q2 CY 2024	<ul style="list-style-type: none"> Complete financial analysis: (August 2023-June 2024) final revisions, report production Spring 2024 EPA anticipated to find MVEBs adequate for use in conformity Continue Air Quality Conformity technical analysis
	Q3 CY 2024	<ul style="list-style-type: none"> Transportation Improvement Program (TIP) inputs due for the FY 2025-2028 TIP Complete Air Quality Conformity technical analysis Draft performance analysis for the plan and TIP
	Q4 CY 2024	<ul style="list-style-type: none"> Public comment period on the plan, TIP and the results of AQC analysis determination for the updated plan and FY 2025-2028 TIP The TPB Technical Committee and MWAQC and MWAQC TAC will review the draft results of AQC analysis for the updated plan and FY 2025-2028 TIP during their meetings The TPB will receive a briefing on the draft results of the AQC analysis for the plan and TIP The TPB will receive a summary of the comments received on the analysis, the agencies sponsoring the projects will have the opportunity to advise staff on responses to comments The TPB will review and be asked to accept the responses to the comments on the results of the AQC analysis The TPB will be asked to approve the results of the AQC analysis and adopt the updated plan and the FY 2025-2028 TIP

VISUALIZE 2045 AND THE 2024 PLAN UPDATE



Source: TPB

Stacy Cook, TPB Transportation Planner

Transportation Planning Board

Agenda Item 10

October 19, 2022



National Capital Region
Transportation Planning Board

Conformity for the Visualize 2045 Update and FY23-FY26 TIP is Approved!



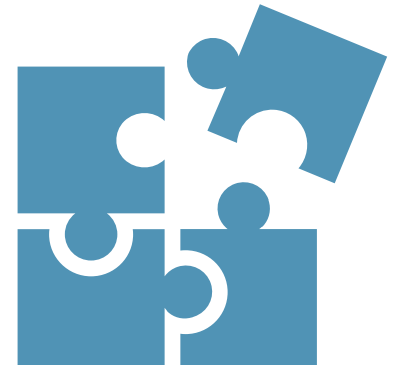
Federal Agencies
Approved the
Conformity Findings on
August 25, 2022



This “starts the clock.”
For TPB’s next plan, conformity
approval would need to be no later
than August 25, 2026

The TPB is aiming for a 2024 Update

2024 Plan Update: Major Changes



- 1. Update Non-transportation Elements**
- 2. Financial Plan Revisions**
- 3. New Motor Vehicle Emissions Budgets (MVEBs)**
- 4. Projects Re-examination / Re-submission**



2024 Plan Update: Major Activities

1. Non-transportation Element Updates

- Extend outyear of Plan from 2045 to 2050
- Update land-use and demographic assumptions (Population/Employment/Households) (2020 Census based; Post COVID, 2020 - 2050)

2. Financial Plan Revisions

- Revenue and Costs for five additional years (2046 - 2050)
- IJJA - federal reauthorization-based revenues
- Project costs reflecting latest inflation factor

3. New Motor Vehicle Emissions Budgets (MVEBs)

- Revised MVEBs for 2008 Ozone Standards
- New MVEBs for 2015 Ozone Standards

4. Re-examine/Re-submit Projects, Programs, Policies

- More aligned with TPB's enhanced policy priorities
- More reflective of TPB scenario studies
- Review /update exempt/non-exempt projects



Major Change #1: Non-transportation Updates

- Key Considerations:
 - A 2050 horizon is critical: federal requirement for a 20-year horizon; If not, plan and TIP amendments restricted as early as CY 2025
 - 2050 COG's Cooperative Forecasts: federal requirement to use latest planning assumptions (land-use and demographic inputs to match new horizon year; 2020 Census and locality updates)



Major Change #2: Financial Plan Revisions

- Key Considerations:
 - Financial plan to reflect:
 - 2050 horizon (5 additional years)
 - IIJA increased level of federal funds and new funding programs
 - Current inflation levels

Schedule:

- Fall 2022: Preliminary Staff Revenue & Expenditure Tabulation
- Winter/Early Spring 2023: Preliminary Agency Revenue & Cost Estimates
- Spring/Summer 2023 Reconciliation/Draft Financial Plan



Major Change #3: New MVEBs For Air Quality Conformity Analysis

- Key Considerations:
 - Federal requirement to use latest planning assumptions and tools (MOVES3 model)
 - Update MVEBs associated with 2008 ozone Maintenance Plan (used old EPA model)
 - Develop new MVEBs for the 2015 ozone standard
 - EPA must find the 2008 Ozone MVEBs adequate for use in conformity for TPB Plan update
 - Planning activities:
 - MVEBs Interagency consultation and coordination; MWAQC action
 - Consider new outyear emissions while setting MVEBs
 - New and Revised MVEBs identified by end of 2023; found adequate for use by the EPA by Spring 2024



Major Change #4: Project Re-submission

- The TPB and its member agencies will re-examine and re-submit projects, programs, and policies in current Plan (“scrubbing” the plan using a zero-based budgeting approach)
 - Exempt projects - under construction or currently funded with federal, state, regional, local or private funds
- TPB members inputs regarding updated projects, programs and policies
 - Staff will schedule virtual meetings between the respective DC, MD and VA board members and technical staff including WMATA staff



Major Change #4: “Scrubbing” the plan (cont.)

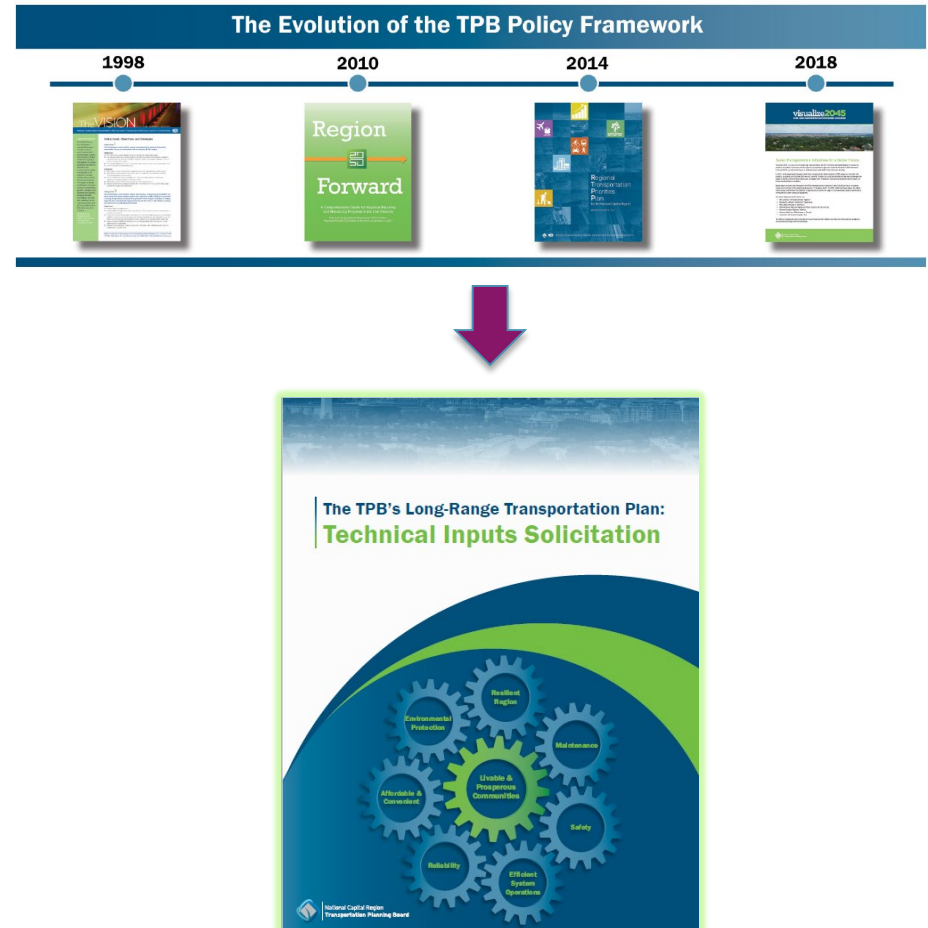


- Key Considerations: Data and Time
 - To support re-examination of projects, the TPB staff will share preliminary project list – exempt and non-exempt projects based on existing data
 - Re-submission of projects will include a “fresh start” – entering / updating all data for projects to be submitted into Project InfoTrak
 - TPB staff are building in additional time to undertake this arduous but important activity – this will be a lot of work for the TPB members’ technical staff
 - TPB staff will host technical training sessions in use of InfoTrak database



Products to Support 2024 Update: Synthesized Policy Framework

- Key Considerations:
 - Reflect the main points from the hundreds of pages of various policy documents (Vision, Region Forward, RTPP, AI, CCMS)
 - Resource to support sponsoring agencies critically evaluate the projects for (re) submission
 - Draft to be presented to TPB in November for review



Products to Support 2024 Update: Summarize Scenario Findings

- Key Considerations:
 - Main findings from the hundreds of pages of 8 recent scenario analyses plus internal sensitivity-test findings
 - Resource to support sponsoring agencies critically evaluate the projects for (re) submission
 - To be presented to TPB in November for review

Past TPB/COG Scenario Studies:

- Regional Mobility and Accessibility Study: What If?
- Regional Value Pricing Study (VPL)
- What Would it Take? Scenario
- CLRP Aspirations Scenario Study
- Multi-Sector Approach to Reducing Greenhouse Gas Emissions in the Metropolitan Washington Region Final Technical Report
- Long-Range Plan Task Force (LRPTF) Phase 1 and 2
- 2030 Climate Energy and Action Plan-Risk and Vulnerability Analysis
- Climate Change Mitigation Study of 2021



Preliminary Schedule: Milestones

- Fall 2022: Initiate zero-based budgeting approach
 - Revenue/Preliminary Expenditure Determination
 - Primary project data review to determine exempt and non-exempt projects
- Winter 2023 (Jan-March)
 - January: Technical Inputs Solicitation begins
 - January-March: Sponsor agencies:
 - review and consider synthesized Policy Framework
 - review and consider Scenario findings summary
 - examine inputs re: zero-based budgeting approach
 - meet with board members, TPB staff and agency staff to discuss potential inputs during ZBB approach process



Preliminary Schedule: Milestones

- Spring 2023 (April-June)
 - May 2023: preliminary technical inputs due
 - June 2023: final technical inputs due
- Summer 2023:
 - The TPB will receive a briefing on the draft inputs to the plan/AQC analysis and the draft AQC scope of work and the preliminary financial analysis
 - Public comment period on inputs to the plan/AQC analysis, and AQC scope of work. MWAQC TAC will review this information during its summer meeting
 - The TPB will receive a summary of the public comments on the draft inputs to the plan and AQC analysis; agencies sponsoring the projects will have the opportunity to discuss and advise staff on responses



Preliminary Schedule: Milestones

- Fall 2023 (Sept.-Dec.)
 - October 2023: The TPB will review responses to comments and updates to inputs to the plan and scope of work for the AQC analysis. The TPB will be asked to accept the comments and approve the inputs and scope, authorizing staff to begin analysis
 - December 2023: MWAQC approves MVEBs (drop-dead date)
- Spring 2024:
 - EPA finds MVEBs adequate for use in conformity
 - Continue Air Quality Conformity analysis, financial analysis
- Summer 2024
 - August 2024: Transportation Improvement Program (TIP) inputs due for the FY 2025-2028 TIP



Preliminary Schedule: Milestones

- Fall 2024 (Sept.-Dec)
 - October 2024: The TPB will receive a briefing on the draft results of the AQC analysis for the plan and TIP
 - November 2024: The TPB will receive a summary of the comments received on the analysis, the agencies sponsoring the projects will have the opportunity to advise staff on responses to comments
 - December 2024:
 - The TPB will review and be asked to accept the responses to the comments on the results of the AQC analysis
 - The TPB will be asked to approve the results of the AQC analysis and adopt the updated plan and the FY 2025-2028 TIP



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National Capital Region
Transportation Planning Board

NOW, THEREFORE, BE IT FURTHER RESOLVED THAT: the National Capital Region Transportation Planning Board will initiate a full update to the Long-Range Transportation Plan upon completion and adoption of the Visualize 2045 Plan with a target completion date of 2024, and that—

1. The development of such plan will include the consideration of multiple build scenarios and an analysis of each scenario's impact on the region's adopted goals and targets, including reduction of greenhouse gas emissions;
2. The development of such plan will be based on the concept of 'zero-based budgeting' where all projects, including those currently included in the Plan, must be resubmitted for consideration in such Plan, provided that projects currently under construction or currently funded with federal, state, regional, local or private funds shall be exempt from such requirement; and,
3. TPB will use the above scenario analysis to inform the development of the 2024 and future updates of the Long-Range Transportation Plan.

As revised and adopted by the Transportation Planning Board at its regular meeting on June 16, 2021