VISUALIZE 2050

Update on Plan Development

Cristina Finch
TPB Transportation Planning Manager

Transportation Planning Board
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Agenda Item #9

Overview

- The Broader Planning & Programming Process

- Plan Development Background

- Plan Development Goals, Objectives & Schedule

- Stakeholder & Public Engagement

- Project Inputs

- Financial, Air Quality Conformity, System Performance Analysis

- Next Steps

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National Capital Region Planning & Programming

- Plan	The National Capital Region Transportation Plan (NCRTP) is the region's policy document for short- and long-term strategies to improve transportation between now and 20+ years

- Program	The Transportation Improvement Program (TIP) is a budget document that describes the planned federal funding obligations for investments to be implemented in the first four years of the plan

Transportation Plan 20+ years: Policy, Projects, Programs	
Program 4 years (Funding Committed)	Future programming for remaining 16+ years (Funding Reasonably Anticipated)

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Visualize 2050 Background

- July 2021   Board directed staff to initiate next plan update upon completion of current plan effort, next plan completion date of 2024

- June 2022   Board approved Visualize 2045, staff began work on Visualize 2050

- Feb. 2023   Board solicited technical inputs for Visualize 2050 and staff initiated public comment on Visualize 2045 project re-examination

- April 2023   Board approved six-month schedule extension to provide more time to address key issues related to Metro funding and the Maryland Op Lanes

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Background

- Board resolution R19-2021 adopted on June 16, 2021

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.

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Goal for Plan Development

To communicate current efforts and subsequent priorities to provide stakeholders with a common foundation for advancing transportation

Common Foundation to Advance Transportation

Subsequent Priorities

Current Efforts

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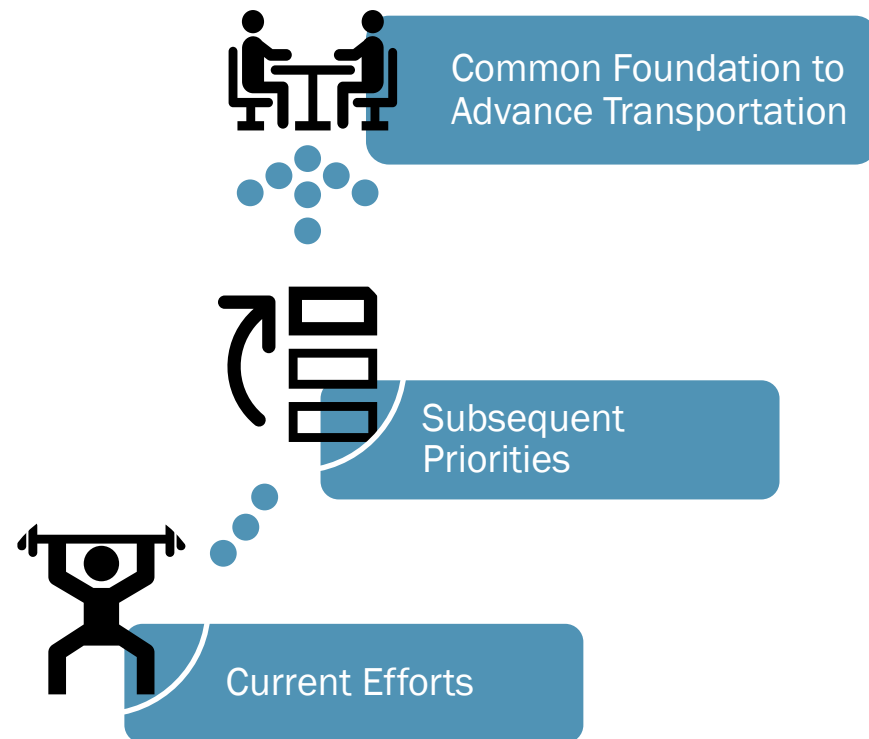
Objectives for Plan Development

- <u>Document</u> the current system
- <u>Identify</u> the major issues people experience when using the system
- <u>Recognize</u> the relationship between transportation and key societal topics and considerations for future planning
- <u>Present</u> the investments programmed for implementation
- <u>Highlight</u> the projects/programs/studies intended for funding pursuit and technical development over the next several years to enable future implementation
- <u>Ensure</u> the planned investments can be reasonably achieved with anticipated funding availability
- <u>Guide</u> the region's collective transportation efforts to achieve positive outcomes for everyone

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Visualize 2050 Three-Year Schedule
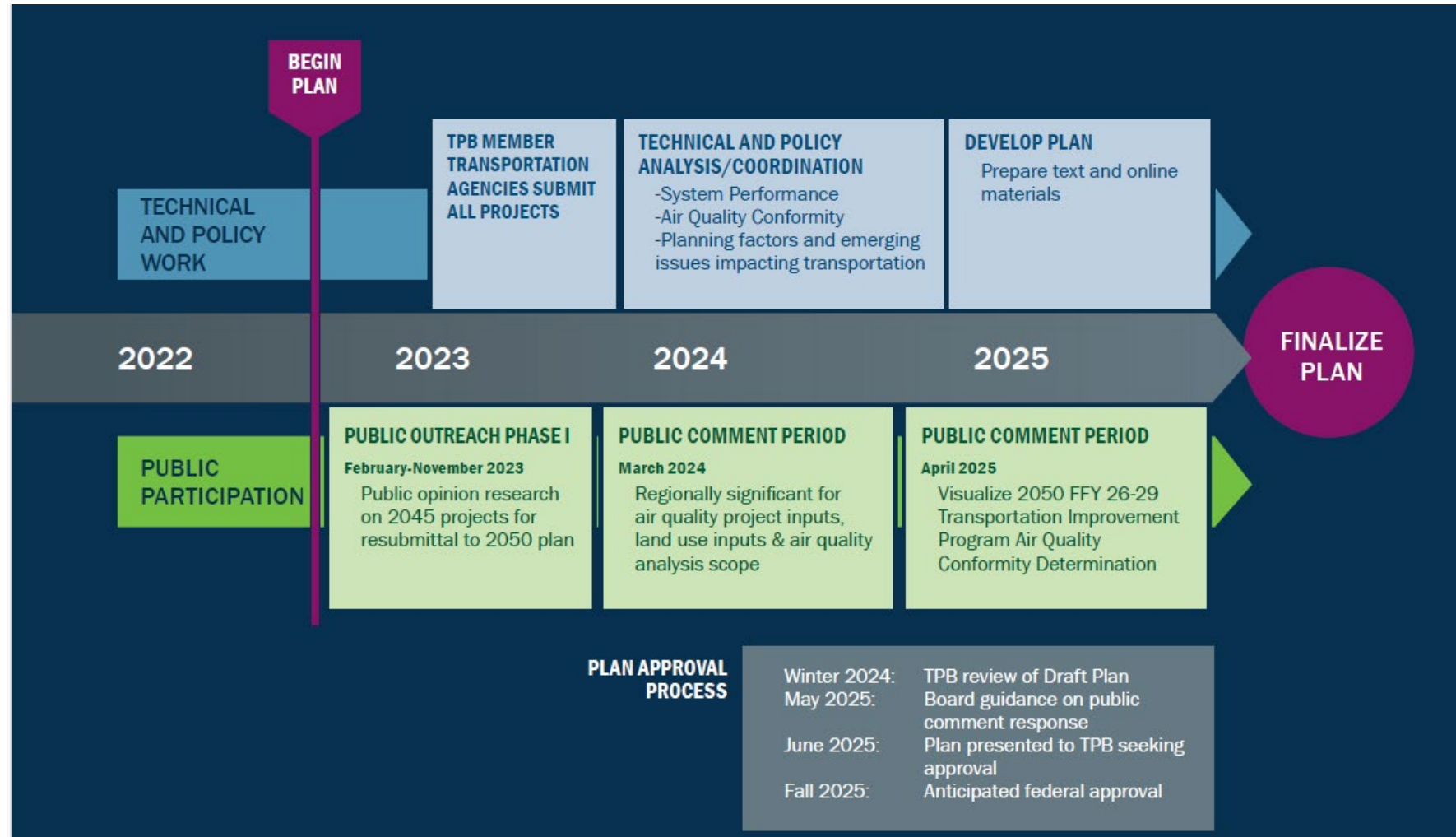
Policy Framework

- Synthesized from past policy work

- TPB Principles: Equity, Accessibility, Sustainability, Prosperity, Livability

- TPB Goals: Safety, Reliability, Maintenance, Affordable & Convenient, Efficient System Operations, Environmental Protection, Resilient Region, Livable & Prosperous Communities

- TPB Strategies & Performance Measures

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Stakeholder Engagement Process

- Resources available on TPB website (Voices of the Region – 2022)

- Listening Sessions in March 2023

- Project inputs Q&A sessions in September - December 2023

- Financial analysis coordination with agencies ongoing

- TPB sub-committees ongoing meetings enable detailed technical discussions and information sharing which support future investment decisions

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Public Engagement Process

- Public Input on Visualize 2045 projects under re-examination for submission to Visualize 2050 from February - November 2023

- Monthly reporting at TPB Board and Technical Committee meetings

  - As of November 1, **962 comments** on projects from Visualize 2045, **133 suggestions** for new projects

  - Top Three Projects: Op Lanes Maryland Phase 1, Long Bridge VA – DC, I-270 Innovative Congestion Management

  - Summary of input shared with Technical Committee in October

- Publicize member public engagement efforts

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Project Inputs Schedule

Projects in V2050 Financial Plan	Currently Programmed Through FY29	For Future Programming In FY30-50
Regionally Significant for Air Quality	**Highway or Transit Projects Project Details & Total Cost Estimate due 12/29/23**	
	Financial Details due 1/26/25	**Financial Details due 12/29/23**
Not Regionally Significant for Air Quality	Highway, Transit, Bike, Pedestrian, etc. Projects, Phases, or Project Grouping Categories Project Details & Total Cost Estimate due 6/28/24	
	Financial Details due 1/26/25	Financial Details due 6/28/24

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Project Inputs

- Zero-Based Budgeting approach to Visualize 2050 includes review and re-submittal of project details, better information on technical inputs

- Agencies have submitted 79 inputs as of Nov. 7

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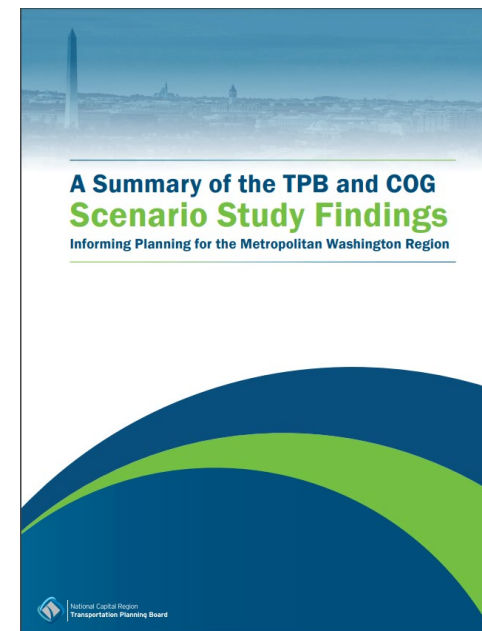
Financial Analysis

- Zero-Based Budgeting approach

  - Updating cost estimates and considering all types of investments

- Financial details on projects for future programming FY30-50

  - Regionally significant for air quality inputs due Dec. 29, 2023

  - Not regionally significant for air quality inputs due June 28, 2024

- Financial details on projects programmed through FY29 for the FY26-29 Transportation Improvement Program due Jan. 26, 2025

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Air Quality Conformity

- Develop transportation networks using project inputs due December 29, 2023

- Estimate regional travel using COG's Gen2/Ver. 2.4.6 trip-based travel model, using the following inputs:

  o Updated highway and transit networks

  o Round 10 Cooperative Forecasts

- Estimate on-road mobile source Nitrogen Oxide (NOx) and Volatile Organic Compounds (VOC) emissions using EPA's MOVES emissions estimation tool

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System Performance Analysis

- Assess current and future system travel performance using travel model output

- Estimate on-road mobile source Greenhouse Gas (GHG) emissions using EPA's MOVES emissions estimation tool and evaluate progress towards regional GHG reduction goals

- Assess impacts of Visualize 2050 on Equity Emphasis Areas

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Cristina Finch

Transportation Planning Manager

(202) 962-3335

cfinch@mwcog.org

777 North Capitol Street NE, Suite 300

Washington, DC 20002

mwcog.org

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