

# VISUALIZE 2050

*National Capital Region Transportation Plan*

Agenda Item 3

## PLAN AND PROGRAM DEVELOPMENT UPDATES

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### Visualize 2050 & FY 2026-2029 TIP

Cristina Finch  
TPB Transportation Planner

TPB Technical Committee  
October 3, 2025



National Capital Region  
**Transportation Planning Board**

# Overview

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- Recap of Plan and TIP Development
- What Has Been Approved to Date
- What Has Been Shared
- Final Public Comment Period
- Comment Period Communications



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# Recap of Plan and TIP Development Milestones

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- June 2021 R19-2021 directed Visualize 2050 be developed with a zero-based budgeting (ZBB) perspective
- February 2023 TPB issued Technical Inputs Solicitation and initiated first comment period
- March 2024 TPB held the second comment period
- May 2024 Regionally Significant for Air Quality (RSAQ) Inputs Approved
- June 2024 TPB requested two sets of conformity analysis (with and without I-495 Southside Express Lanes (SEL) project)
- August 2024 Agencies submitted non-regionally significant (NRS) inputs
- May 2025 Agencies submitted TIP financials
- July 2025 Air quality conformity analysis and multimodal system performance data shared for both options

# What has been approved to date

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- Land Use and Demographic Forecasts
  - Round 10.0 Cooperative Forecasts on population, employment, and households
  - Transportation Analysis Zones (TAZ)
- Technical Tools and Assumptions
  - Emissions model, vehicle fleet data, travel demand model
- Highway Projects Significant for Air Quality
  - +530 lane miles
- Transit Projects Significant for Air Quality
  - +97 high-capacity transit lane miles

# What has been shared

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- Modal Planning
  - Public transit, bicycle/pedestrian/micromobility, driving, TDM, freight
- System Performance
  - Safety, congestion, maintenance
- Societal Topics
  - Land use, electric vehicles, environmental consultation/mitigation, air quality, resilience
- Plan-specific activities
  - Financial plan, future system performance
- Other topics

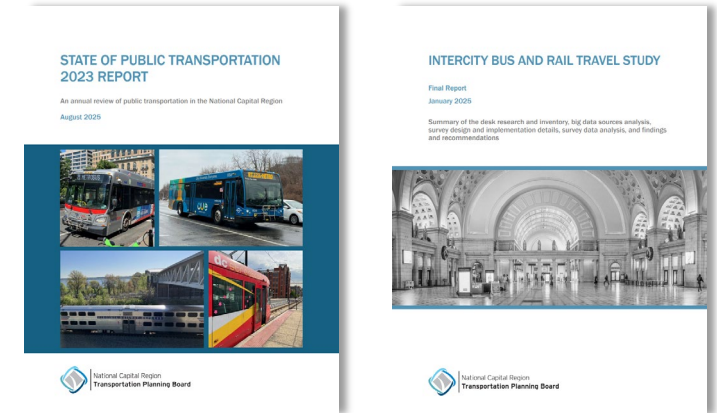
# V2050 Topic: Public Transit

## Shared with Tech Committee:

- 2023 State of Public Transportation Report (June 2024)
- Intercity Bus and Rail Travel Final Report (February 2025)
- HCT Local Transit Access Study (March 2024)
- 2024 State of Public Transportation (July 2025)

## Information in the plan:

- |                                    |                                   |
|------------------------------------|-----------------------------------|
| • Trends, Ridership, Mode Share    | • Emerging Technologies           |
| • Access to Transit                | • Financial Plan                  |
| • Transit Reliability & Congestion | • Revenues/Expenditures           |
| • Safety & Security                | • Future Transit Projects         |
| • Transit Asset Management         | • TPB Priority Strategies & Goals |
| • Transit, Housing, and Land Use   | • Ongoing Challenges              |



Montgomery County Council/Flickr



# V2050 Topic: Bicycles, Pedestrians, and Micromobility

## Shared with Tech Committee:

- Bicycle and Pedestrian Plan for the National Capital Region (2022)
- Bike and Pedestrian Volumes (March 2023)
- National Capital Trail Network map & progress report (February 2024)

## Information in the plan:

- Bicycle and Pedestrian Trends
- Current System Performance
- PBPP Safety Targets
- Future Projects
- TPB Priority Strategies
- TPB Goals
- Ongoing Challenges



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Angela n./Flickr

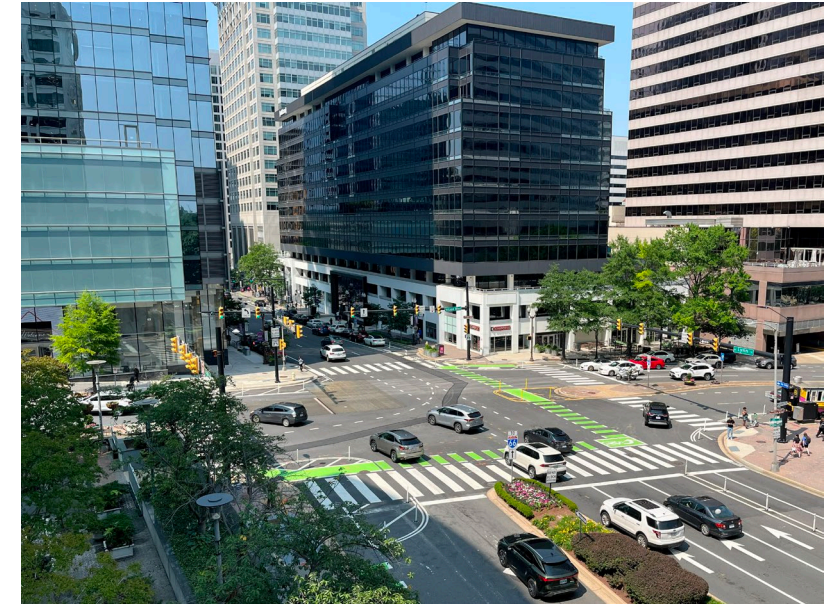
# V2050 Topic: Driving and Riding in a Vehicle

## Shared with Tech Committee:

- 2022 State of the Commute Report (September 2022)
- Curbside Management Post Forum Final Report (October 2024)
- 2023 Vehicle Registration Data (October 2024)

## Information in the plan:

- Trends and Mode Share
- Access
- PBPP Safety Targets
- System Management
- TPB Priority Strategies
- Financial Plan
- Revenues/Expenditures
- Future Roadway Projects
- Ongoing Challenges
- TPB Goals



Kenneth Candelaria/Flickr



# V2050 Topic: Travel Demand Management (TDM)

## Shared with Tech Committee:

- 2022 State of the Commute Report (September 2022)
- Draft FY25 Commuter Connections Work Program (February 2024)
- Curbside Management Forum Recap (October 2024)
- Draft FY26 Commuter Connections Work Program (March 2025)
- Commuter Incentives: Motivating Travel Behavior Change (February 2025)

## Information in the plan:

- Commuter Connections Impact
- TDM Strategies and Trends
- Future TDM Projects and Programs
- TPB Priority Strategy
- TPB Goal



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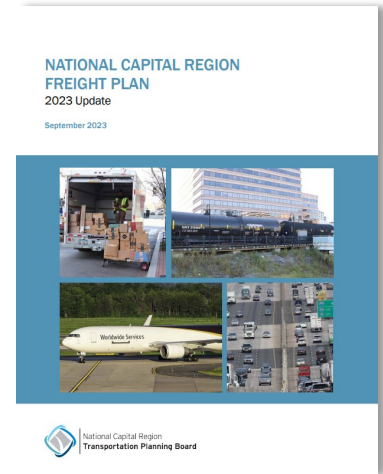
# V2050 Topic: Freight Planning

## Shared with Tech Committee:

- National Capital Region Freight Plan Update (July/September 2023)

## Information in the plan:

- Freight trends
- Truck Travel Time Reliability
- Freight System Management/Truck Parking
- Emerging Technologies in Freight
- Future Freight-Related Projects



Rachel Beyerle/COG

# V2050 Topic: Safety

## Shared with Tech Committee:

- TPB Roadway Safety Summit Recap and Recommendations (January 2025)
- PBPP Targets for Transit and Highway Safety (February 2025)

## Information in the plan:

- Current System Performance
- Annual Regional Highway & Transit Safety Targets
- Ongoing Safety Challenges
- TPB Priority Strategy
- Fundamental Element of the TPB Policy Framework



Emma K Alexandra/Flickr

# V2050 Topic: Congestion Management

## Shared with Tech Committee:

- Congestion Management Process & Bottlenecks (May 2023)
- Draft 2024 Congestion Management Process Technical Report (December 2024)
- PBPP Update: Highway Asset and Travel Reliability Performance (June 2025)

## Information in the plan:

- PBPP Delay and Reliability Targets
- Trends
- Future Projects Targeting Congestion
- Ongoing Challenges
- TPB Goal



Joe Flood/Flickr



# V2050 Topic: Maintenance

## Shared with Tech Committee:

- PBPP Highway Asset and Performance Targets (March 2022)
- Highway Asset and System Performance (June 2024)
- PBPP FY25 Regional Transit Asset Management Targets (February 2025)
- PBPP Update: Highway Asset and Travel Reliability Performance (June 2025)

## Information in the plan:

- PBPP Highway and Transit Asset Management Targets
- Financial Plan Expenditures
- Future Maintenance and Rehabilitation Projects
- Ongoing Challenges
- TPB Priority Strategy
- TPB Goal



Rachel Beyerle/COG



# V2050 Topic: Land Use and Transportation Coordination

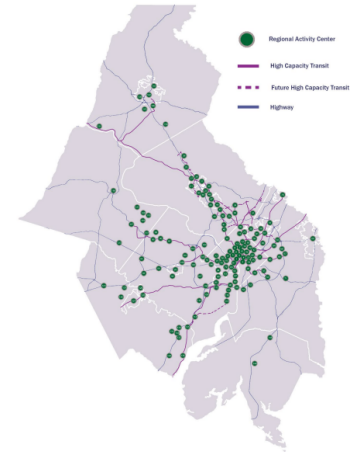
## Shared with Tech Committee:

- Round 10.0 Cooperative Forecasts (July 2023)
- Regional Activity Centers Update (April 2025)

## Information in the plan:

- Accessibility
- Regional Activity Centers in 2025 and 2050
- Cooperative Forecasts Model Output
- TPB Priority Strategy

Attribute	Round 8.0 RACs	Round 10.0 RACs	Change
Number of RACs	141	145	2.8%
Total Square Miles	324.6	216.8	-33.6%
RAC mean in Square Miles	2.3	1.5	-34.8%
Total Associated TAZs	896	836	-6.7%
Associated TAZs Square Miles	325	270	-16.9%
Mean TAZ Size in Acres	232	207	-10.8%
2050 High Capacity Transit Stations	248	238	-4.0%
RACs with a HCT	99	99	—



Ben Schumin/Flickr

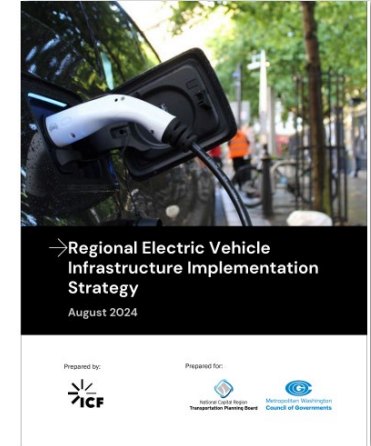
# V2050 Topic: Electric Vehicles

## Shared with Tech Committee:

- DDOT, MDOT, VDOT National Electric Vehicle Infrastructure Plan (October 2022)
- Regional EV Infrastructure Implementation (REVII) Strategy Project (September 2024)

## Information in the plan:

- EV Trends
- TPB Priority Strategy
- Future EV Projects and Programs



MDOT/Flickr

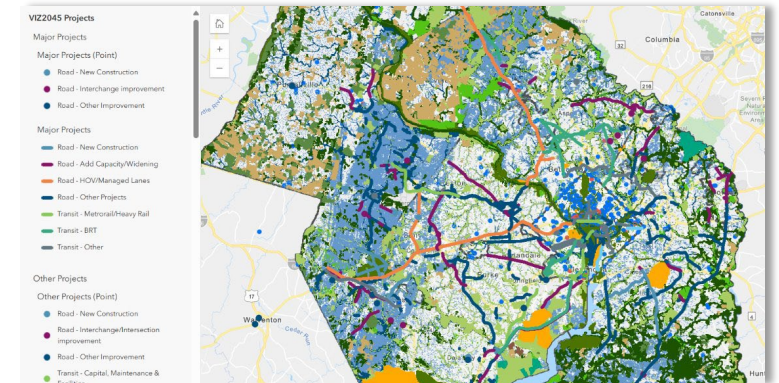
# V2050 Topic: Environmental Consultation/Mitigation

## Shared with Tech Committee:

- Environmental Consultation and Mitigation Process (March 2025)

## Information in the plan:

- Environment as a Societal Topic
- TPB Goal



Chesapeake Bay Program/Flickr

# V2050 Topic: Air Quality

## Shared with Tech Committee:

- 2023 update to 2008 Ozone Maintenance Plan (April 2023)
- MDOT, VDOT, DDOT Carbon Reduction Strategy (October 2023)
- Implementation Considerations for On-Road GHG Reduction Strategies (October 2024)
- EPA Clean Data Determination and Demonstration of Attainment (May 2025)
- Air Quality Conformity Analysis Update (July 2025)

## Information in the plan:

- Congestion Mitigation and Air Quality (CMAQ) VOC and NO<sub>x</sub> Targets
- Compliance with Air Quality Standards



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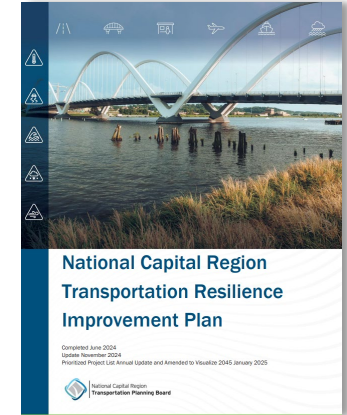
# V2050 Topic: Resilience

## Shared with Tech Committee:

- Transportation Resilience Improvement Plan (TRIP) (May 2024)
- TRIP Project List Update (January 2025)
- Integrating Updated Flooding Data Into Risk Assessment (June 2025)

## Information in the plan:

- Natural Hazards Impact on Transportation
- Projections of Extreme Weather Conditions by 2050
- Supportive Projects in the Financial Plan
- TPB Goal



Chesapeake Bay Program



# V2050 Topic: Financial Plan

## Shared with Tech Committee:

- Financial Inputs for the FY2026-2029 TIP (March 2025)
- Financial Analysis (September 2025)
- Visualize 2050: NRS Inputs and PIT 2.0 Database (September 2024)
- Zero-Based Budgeting Updates (June 2025)

## Information in the plan:

- Anticipated Revenues by Funding Source
- Detailed Revenues by Funding Source
- Planned Expenditures through 2050 by Type and Mode
- Expenditure Details on Projects and Programs
- Project Highlights
- Project List



Elvert Barnes/Flickr



Pierre Gaunard/COG

# V2050 Topic: Future System Performance

## Shared with Tech Committee:

- Future System Performance (July 2025)

## Information in the plan:

- Today's Access to Jobs
- Today's Reliability, Congestion, and Delay
- Today's RACs & HCT Stations
- Today's Daily VMT per Capita
- Today's Mode Share
- 2050 Access to Jobs
- 2050 Reliability, Congestion, and Delay
- 2050 RACs & HCT Stations
- 2050 Daily VMT per Capita
- 2050 Mode Share



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# Other Visualize 2050 Topics

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## Emerging Technologies

- Transportation Technology Inventory Survey (January 2025)

## Coordinated Human Services

- Coordinated Human Services Transportation Plan (May 2023)

## Surface Connections to Air

- 2023 Washington-Baltimore Regional Air Passenger Survey (June 2024)
- Airport Ground Access Travel Time Study (March 2024)

## Public Engagement and Communications

- Comment Period #1 Findings (October 2023)
- Comment Period #2 Findings (April 2024)

## And others...

*All topics will be summarized separate from the plan in the Visualize 2050 Planning and Programming Process documentation.*

# Next Steps

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## October 2025

- 10/15 TPB votes to move forward with or without the I-495 Southside Express Lanes project for continuation in the plan development and air quality conformity processes.
- Staff finalizes the draft Visualize 2050 plan, TIP, and AQC documents, website, reflecting TPB's action
- 10/23 Staff releases above draft documents and advertises a 30-day public comment period.

## November 2025

- 11/19 TPB briefed on all aspects of Visualize 2025 and the FY 2026-2029 TIP and comments received with responses, to date.
- 11/21 Public comment period closes.

## December 2025

- 12/17 TPB updated on additional comments and responses and act to: approve the results of the AQC analysis and adopt the Visualize 2050 plan and the FY 2026-2029 TIP.

# Final Public Comment Period

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**Scheduled for October 23 to November 21. Comments will be accepted on:**

- Draft Visualize 2050: National Capital Region Transportation Plan
- Draft Fiscal Year (FY) 2026-2029 Transportation Improvement Program (TIP)
- Draft Air Quality Conformity Analysis Report of Visualize 2050

**Promise to the public: Convey their comments to the elected and appointed officials and the involved agencies.**

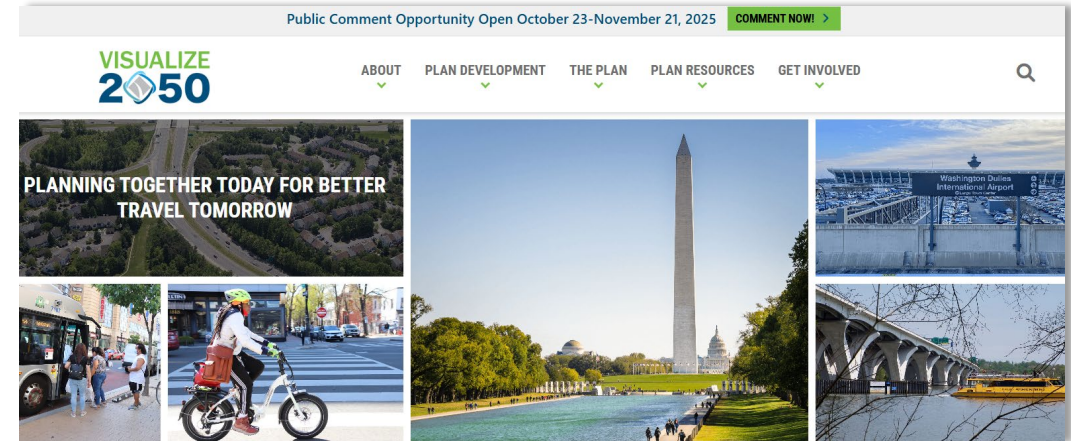
## **Develop Response to Comments**

- Short window of time
- Using comment categorization software and consulting support
- TPB will develop a draft list of comment responses
- Will ask for agency responses to any project-specific comments
- Interim report to the TPB on November 19
- Final report prior to TPB vote on December 17



# Visualize 2050 Website

- [Visualize2050.org](https://visualize2050.org): The hub for plan information and public comment
- Key pages during comment period: **Home, The Plan, Plan Resources & Get Involved**
- Screenshots show how the website will transition for the comment period
- Documents available as flipbooks or PDFs
- Interactive map gallery



# Public Comment Period Communications

- [Visualize2050.org](https://visualize2050.org) Get Involved page
- Comment form link and instructions
- **Ambassador Toolkit**  
A guide to the comment period, how to share in newsletters and on social media
- Follow TPB (@NatCapRegTPB or @NatCapRegionTPB) on Facebook, Instagram, Bluesky, and X/Twitter
- Online form at [visualize2050.org](https://visualize2050.org)  
Email: [tpbcomment@mwco.org](mailto:tpbcomment@mwco.org)  
Call: (202) 962-3774  
Mail: TPB Chair, 777 N. Capitol Street NE, Suite 300  
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**#Visualize2050**

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