Visualize 2045 Update **Long-Range Transportation Plan**

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Community Advisory Committee April 15, 2021



transportation plan **Capital Region**



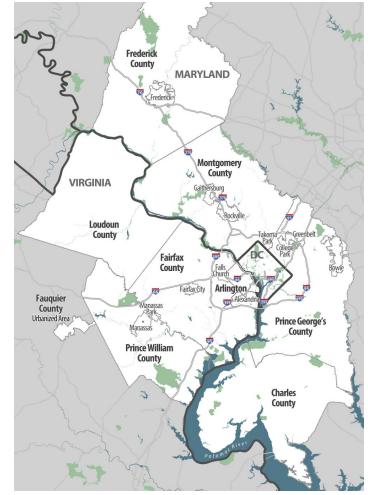
What is an MPO?

- Regional transportation planning organization for the urbanized area.
- Serves as a representative group of local stakeholders of the region.
- Carries out a "Continuing, cooperative, and comprehensive" consultation process. (3Cs)
- Develops plans and programs that consider all transportation modes and support metropolitan community, and economic development.
- Works in conjunction with state air and transportation agencies to meet federal Clean Air Act standards.



National Capital Region Transportation Planning Board

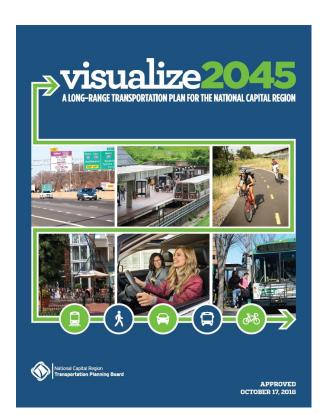
- Federally designated Metropolitan Planning Organization (MPO) for the Washington region
- 3,500 square miles in area
- Home to more than 5 million people and 3 million jobs
- Members include:
 - State transportation agencies
 - 23 local jurisdictions
 - State and DC legislatures
 - WMATA
 - Others





TPB's Long-Range Transportation Plan

Approved October 2018



Underway: 2022 update





A long-range transportation plan for the National Capital Region



Federal Requirements

- Requirements:
 - Quadrennial plan due in 2022, with a 20-year minimum horizon
 - 3 Cs Comprehensive, Continuous, Coordination
 - Financial Constraint
 - Air Quality Conformity
 - Federal Planning Factors
 - Performance Based Planning and Programming
 - Opportunity for public comment...and more





TPB's Policy Framework

Think Regionally, Act Locally: Local decision-making process to consider regional needs.



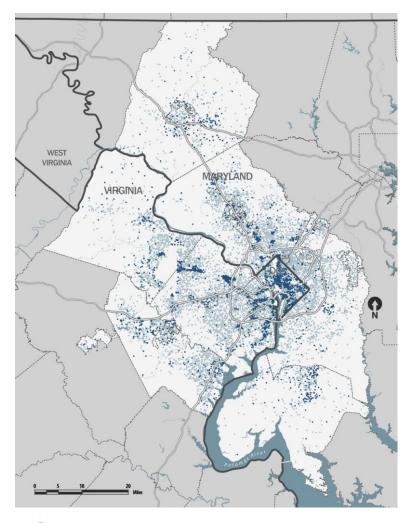


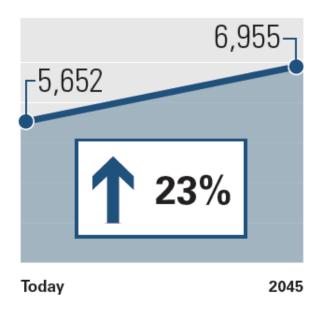
Planning Policy Focus Area Universe

Comprehensive **Air Quality Accessibility Affordability** Multimodal **Conformity System Emerging Environment** / Connectivity **Economy Mobility and** Resiliency/ **Tech Sustainability Operational Equity** Land Use **Mobility Efficiency** State of Good **Public Health** Reliability Safety Repair



Population Growth

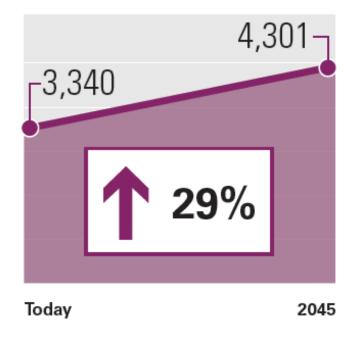




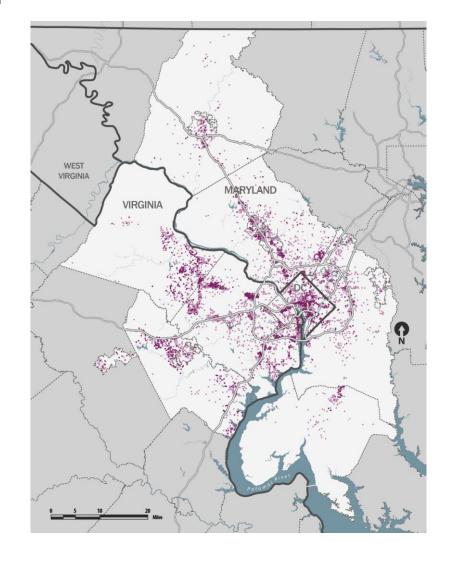
Source: Visualize 2045 LRTP, approved 2018



Employment Growth



Source: Visualize 2045 LRTP, approved 2018





Performance Overview, % Change 2019 – 2045 Build

5% 10% 15% 20% 25% 30% 35% 40% 45% 50% **100%** Population 23% **Employment** 29% Lane Miles of Roadway 8% **Tolled Lane Miles** 106% High capacity transit miles 42% **Driving Alone Trips** 12% **Transit Trips** 38% **Bicycle and Walk Trips** 49% Vehicle Miles Traveled (VMT) 20% VMT per capita -3% Congested Lane Miles (AM Peak) 43% Daily VHD 46%



Two Parts of Visualize 2045

Plan's Constrained element

- Projects from approved local plans
- Projects are vetted through local planning processes
- Constrained

Rest of the Plan

- Vision and Goals
- Reflects Where We are Today
- Factors we must Consider when Planning for the Future
- Strategies for a Better Future (and more)

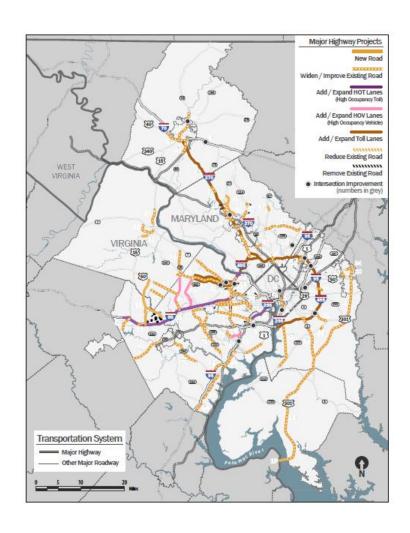


Financially Constrained Element

- Includes more than 100 major projects that expand or change the region's highway or transit system capacity (see map, right)
- More than 400 projects in total
- See Appendix B: Summary of Projects in the Financially Constrained Element for more details

Source: Visualize 2045 LRTP, approved 2018





What are some Constraints?

Federal Requirements

- Fiscal constraint: expected revenues must cover project list
- Projects included through about a 20- year (minimum) horizon 2045

Air Quality Conformity Analysis

Certain project types required – those that impact capacity

Funding Availability and Silos

- Much of fed/state project funding is dedicated to specific uses, allocated through formulas
- About 80% of funding goes to maintenance



TPB's Aspirational Initiatives

Why?

 The previous long-range transportation plan was not anticipated to provide satisfactory future performance nor move us close enough to our regional goals

Why these 7 initiatives?

- TPB Consensus Top performing, Regional, Multimodal, and Multidiscipline
- Two-year systematic examination of local jurisdictions' plans
- Selected from 100+ ideas and an analysis of 10 "bundled" initiatives
- Includes mutually supportive projects, programs and policy strategies
- Informed by findings from many past scenario studies
- Addresses identified challenges to achieving transportation goals

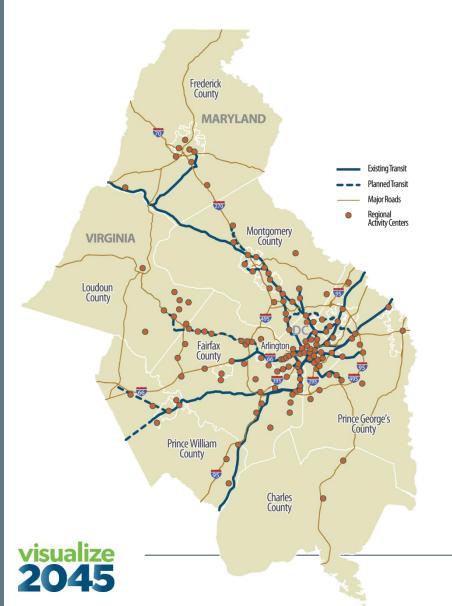


TPB's Aspirational Initiatives

- Bring jobs & housing closer together
- Expand BRT & transitways
- Move more people on Metrorail
- Provide more telecommuting & other commuting options
- Expand the express highway network
- Improve walk & bike access to transit
- National Capital Trail Network



Bring Jobs & Housing Closer Together



- Job/housing balance in each Activity Center
- Housing options for different populations:
 - Affordable
 - Attractive
- Support development on the eastern side of the region
- Tailored to each place's unique identity – not onesize-fits-all!





Telecommuting & Other Commuting Options

- Expand programs to support telework, carpooling, transit use,
 & biking/walking
- Reduce parking benefits







Expand Express Toll Lanes



Twin purpose:

- Manage Congestion
- Raise Revenue

Pricing should be considered:

- Particularly for new capacity
- On existing capacity when feasible

Essential:

 Provide high-quality transit, particularly BRT



Improve Walk & Bike Access to Transit

Increase access to transit stations through improved first- and lastmile connections on foot or by bike



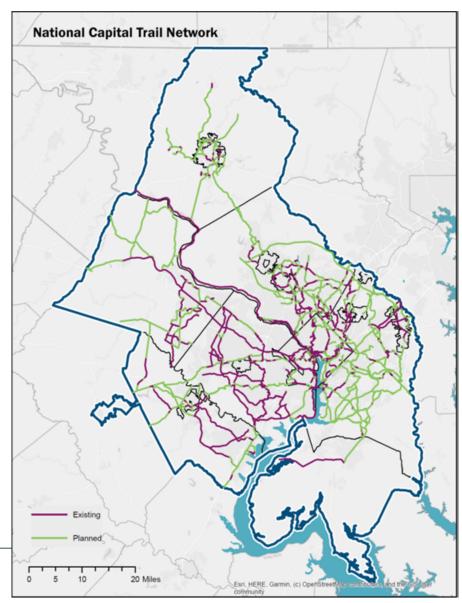




Complete the National Capital Trail

Network

- Long-distance, continuous network of low-stress, mostly offroad bicycle and pedestrian facilities
- 1400 miles of facilities (645 miles already exist)





Aspirational Initiatives - Implementation

- Bring Jobs and Housing Closer Together
- Improve Walk and Bike Access to Transit
- Complete the National Capital Trail
- Provide More Telecommuting and...



outside of the
Visualize 2045
constrained element

- Other Options for Commuting
- Move More People on Metrorail
- Expand Express Highway Network
- Expand Bus Rapid Transit and Transitways Regionwide



Implemented mostly

within the

Visualize 2045

constrained element



visualize 2045

A long-range transportation plan for the National Capital Region



TPB's Visualize 2045 Long-Range Transportation Plan Update (2022)

We are here



BEGIN PLAN **TPB MEMBER PLANNING, POLICY AND DEVELOP PLAN TRANSPORTATION TECHNICAL ANALYSIS** Prepare text and online **AGENCIES** - Financial Constraint materials **SUBMIT NEW TECHNICAL** - System Performance **PROJECTS AND POLICY** - Air Quality Conformity WORK - Planning factors and emerging issues impacting transportation **FINALIZE** 2020 2021 2022 **PLAN PUBLIC OUTREACH PUBLIC COMMENT PUBLIC OUTREACH PUBLIC COMMENT PHASE I PERIOD PHASE II PERIOD PUBLIC** Regional discussion LRTP, transportation Public opinion research Long-range **PARTICIPATION** on issues impacting improvement program transportation plan (TIP) and air quality (LRTP) and air quality transportation conformity inputs conformity determination **PLAN APPROVAL** April 2022: TPB review of Draft Plan May 2022: Board guidance on public comment **PROCESS** response June 2022: Plan presented to TPB seeking approval Anticipated federal approval Fall 2022:

Planning in Times of Uncertainty

- The future is never certain but in the last few years there have been new global forces
 - Global economy
 - Climate change
 - New technologies
 - Increased urbanization

And now...a global pandemic



Where will the people and jobs be?
How will people travel?
What funding will we have to invest in and maintain the system?



Public Opinion Research

- Closed survey
 - Statistically significant for member counties, D.C. and the City Alexandria
 - Conducted fall 2020; more than 2,400 responses
- Topics covered:
 - Covid-19 impacts on transportation preferences
 - Projects that support the TPB policy framework & Aspirational Initiatives
 - Planning Factors and Emerging Issues
- 2021 focus groups





Examples of Staff Activities

- Connected and Automated Vehicles coordination
- Climate Change Mitigation and Resiliency
- Analysis to further examine issues related to transportation and equity
- Performance measure review and update to better align with TPB policy framework
- Federal Performance Based Planning and Programming (PBPP) requirements including federal Planning Factors



(Custis, Flickr



(VDOT)



Visualize 2045: a Regional Vision, Local Actions

TPB establishes policy framework TPB staff evaluate system performance TPB
develops
consensus
on strategic
solutions >
e.g.,
Aspirational
Initiatives

Member agencies develop projects, programs and policies to address local and regional needs

Local

Decision-

making

Must submit projects that:

Member agencies

prioritize

projects,

projects to

submit

TPB

Technical

Solicitation

Inputs

- impact air quality conformity analysis
- use federal funds





Comment Period on Technical Inputs for the Air Quality Conformity Analysis: April 2-May 3, 2021

- Visualize 2045 Update Comment Period Materials Packet includes:
 - Memorandum with overview
 - Background
 - Summary of existing highway, transit and HOV major projects
 - Maps
 - Federal and Regional Goals/Initiatives Matrixes
 - Major Project Profiles (for new Major Projects and ones already in the plan with significant changes)
 - Project Description Sheets new/changed projects
 - Air Quality Conformity Table and Scope of Work



TABLE 1 VISUALIZE 2045 UPDATE - PROJECT SUBMISSIONS AND THE REGIONAL TRANSPORTATION PRIORITIES PLAN GOALS

This matrix provides a visual summary of the responses provided by the relevant implementing agencies as to how their proposed projects and updated projects support the goals identified in the RTPP.

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13.VA 3171 Northstar Blvd	\$ 33 Million	2028	Г					\top		П	\checkmark	$ \mathbf{Z} $			$ \mathbf{Z}$					П						Г	П	П	\top	\top
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20. Observation Drive	\$ 113 Million	2035						$ \mathbf{Z} $		$ \mathbf{Z}$		$ \mathbf{Z}$			\mathbf{Z}											$ \mathbf{Z} $			5	Z

^{*} Major projects are defined as changes to interstates, major arterials, and expressways or freeways with at-grade intersections, as well as dedicated transit facilities.

Comment Period

There are four ways to comment The comment period closes at midnight on Monday, May 3, 2021.

- Write: to TPB's Board Chair at COG"s address
- Telephone: Call (202) 962-3262 to leave a 3-minute voice mail
- Email: TPBComment@mwcog.org subject line: Visualize 2045 2021 Public Comment
- Visit the <u>TPB Comment Page</u> to enter your comment on the Visualize 2045 update conformity projects comment form



Open Public Outreach

- Aspirational Initiatives and Regional Priorities focused
- Continuing the work of the public opinion survey and focus groups
- Meeting people where they are and addressing the digital gap



Learn and Share about Visualize 2045







Infographics – you can print, post on websites

Animated Videos – for social media tools

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