

TPB OVERVIEW

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Metropolitan Washington Council of Governments

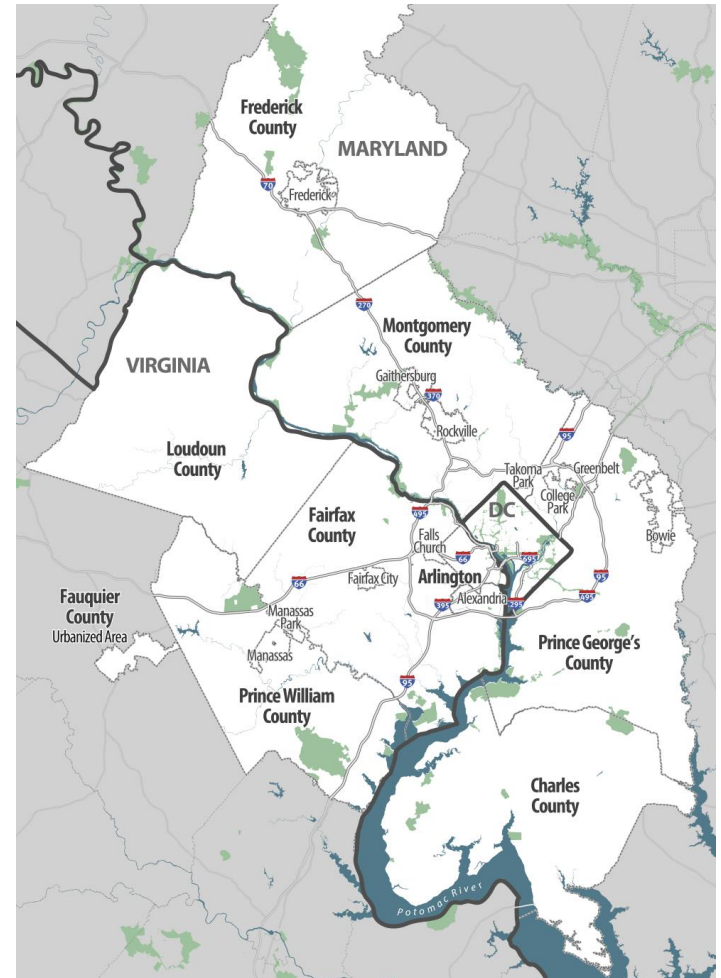
5th Annual Northern Virginia Transportation Roundtable
Northern Virginia Transportation Authority/ITS Virginia
March 11, 2020



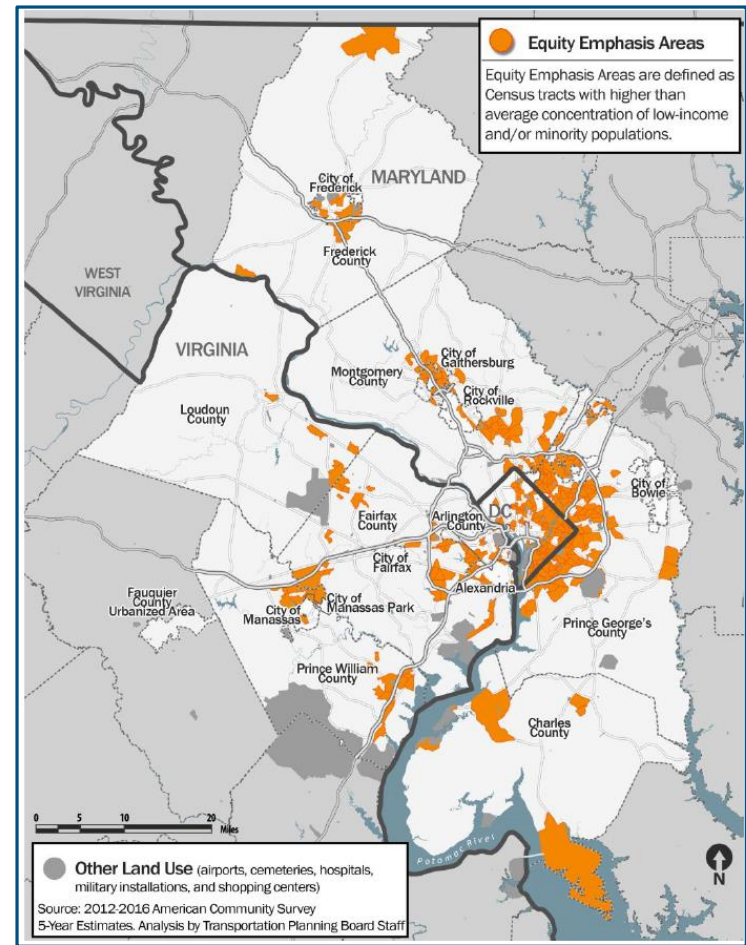
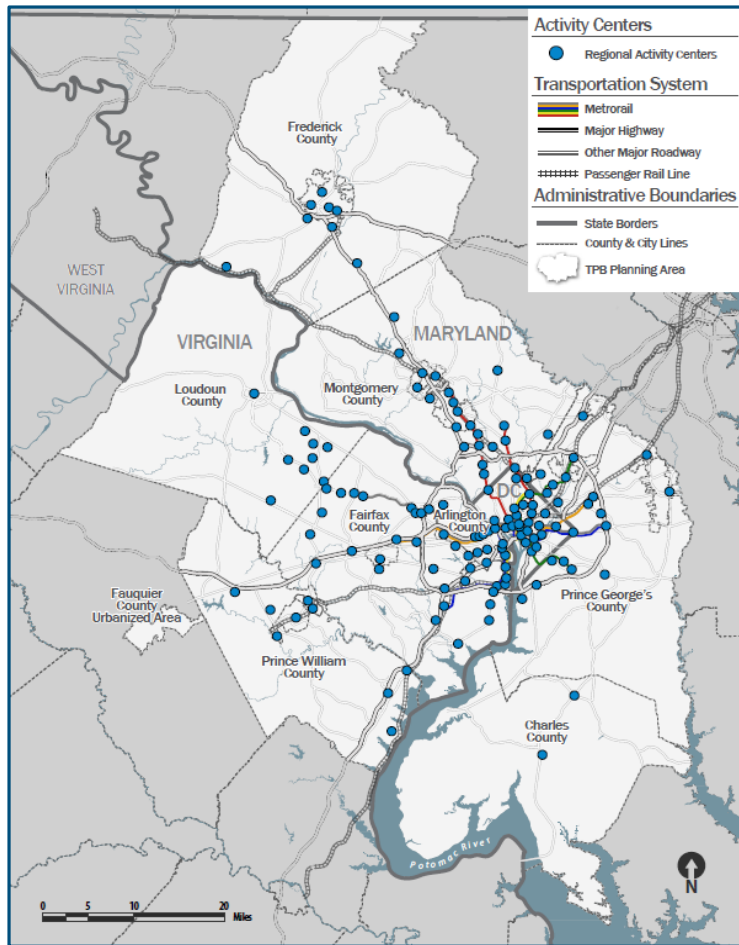
National Capital Region
Transportation Planning Board

About the TPB

- National Capital Region Transportation Planning Board (TPB) is the federally designated Metropolitan Planning Organization (MPO) for the region
- Important role as the regional forum for transportation planning
- Prepares plans and programs required for federal-aid transportation funds to flow
- Helps develop regional consensus on principles for collaborative policies and planning approaches

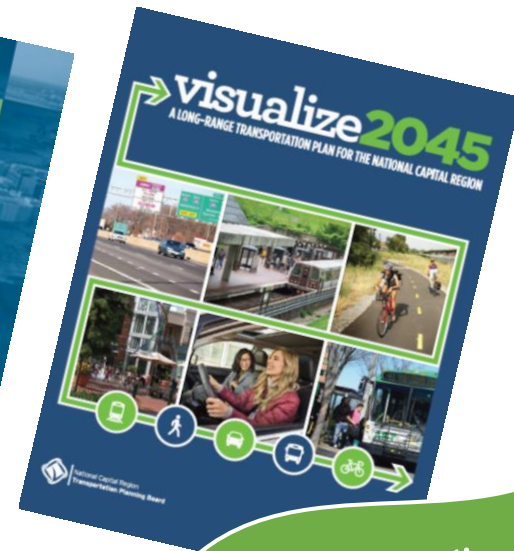


COG Activity Centers & TPB Equity Emphasis Areas



TPB Policy Framework

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

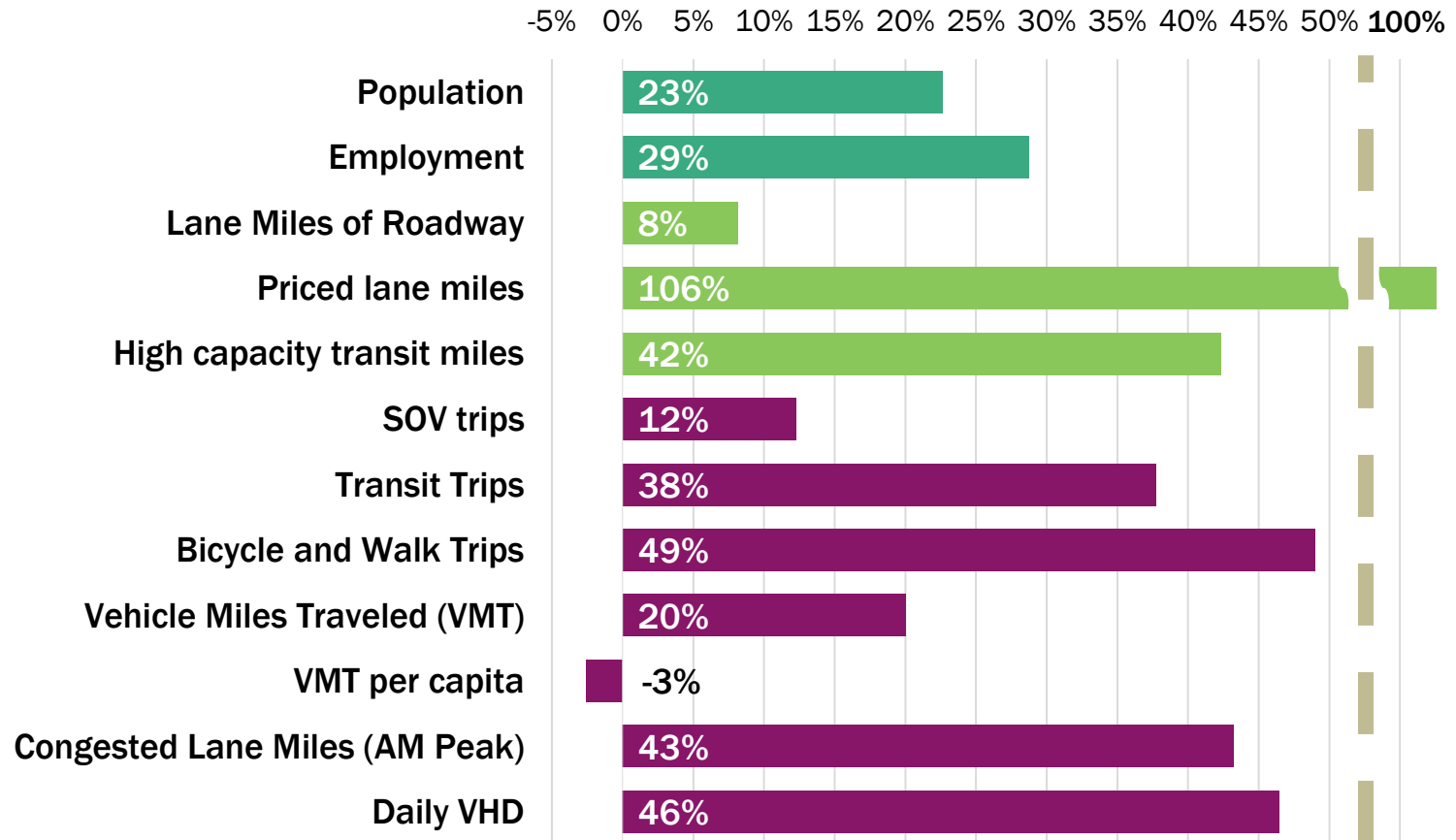


New:
Aspirational Initiatives



Performance Overview

% Change 2019 – 2045 Build



What *Visualize 2045* Says About CAVs

- Impacts of technological advances difficult to predict – degree and pace of adoption [of CAVs] is still unknown

Potential to completely revolutionize the private and for-hire vehicle markets and vehicle ownership, and ultimately shift land-use patterns

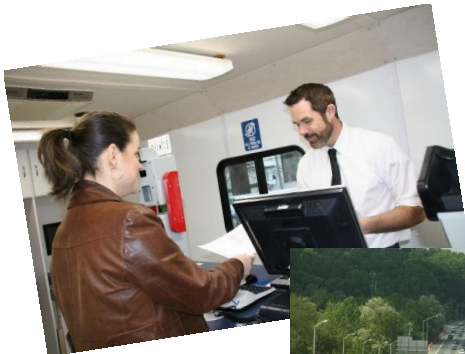
Sure to impact surface transportation options and mobility overall, with unknown and potentially large impacts on the use of public transportation

- *To address the challenges foreseen by these trends, the TPB has adopted policy goals to help steer the region in a direction that will continue to make travel and quality of life better for those that live, work, and visit here*



What Impacts Will CAV Have?

- Driver Licensing
- Vehicle Registration
- Vehicle Inspection
- Vehicle Insurance
- Traffic Laws and Regulations
- Commercial Vehicle Regulation
- Traffic Engineering and Operations
- Public Transportation
- Non-Motorized Transportation
- Transportation Research
- System Security and Privacy
- Land Use and Zoning Control
- **Transportation Planning**
- Transportation Capital Investment
- Data Management



Potential Regional Roles

Policy Recommendations

- Establish regional principles for CAV
- Have a voice at the table

Regional Coordination

- Brief various TPB committees
- Regional forums/workshops
- Information sharing

Research local impacts:

- Strategic plans
- Impact/opportunity assessment
- Scenario planning
- Updating tools
- Beginning to address CAV in long range plans



Near-Term TPB Activities

- Evaluating how to address CAVs in next long-range plan, including public outreach (in 2021)
- Consultant White Paper
- Autonomous & Connected Vehicles Workshops*:
 - Workshop 1 (Technician Focused 3/31): Panelist and presentations on key issues, federal, state activities (from our region)
 - Workshop 2 (Technician Focused 5/14): MPO role, perspectives from the region
 - Workshop 3: (Board focused, June 2020)

*Dates subject to change



Is Our Region Ready?

- Change is inevitable – are we adaptable?



Capability Maturity Model Framework

CMM Dimension	Level 0 – Not Performed	Level 1 – Exploration	Level 2 – Initiated	Level 3 – Integrated	Level 4 – Mainstreamed
Business Processes			√		
Systems & Technology			√		
Performance Measurement			√		
Organization, Staffing and Culture			√		
Collaboration			√		

Adapted from “Guidelines for Applying Capability Maturity Model Analysis to Connected and Automated Vehicle Deployment” (FHWA-JPO-18-629), November 2017

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