Air Quality Conformity

Visualize 2045 Long Range Transportation Plan Air Quality Conformity Analysis

Presentation for the
Metropolitan Washington Air Quality Committee
October 1, 2018
Item 2

Jane Posey, TPB Transportation Engineer

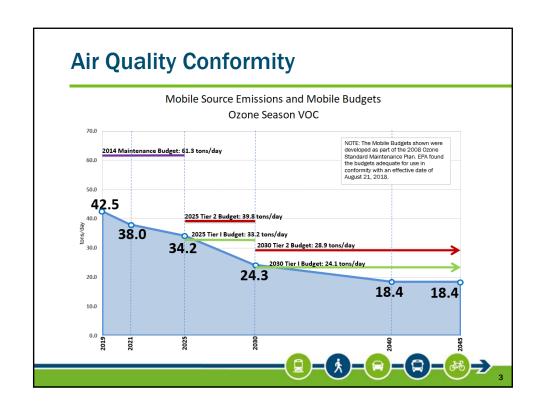


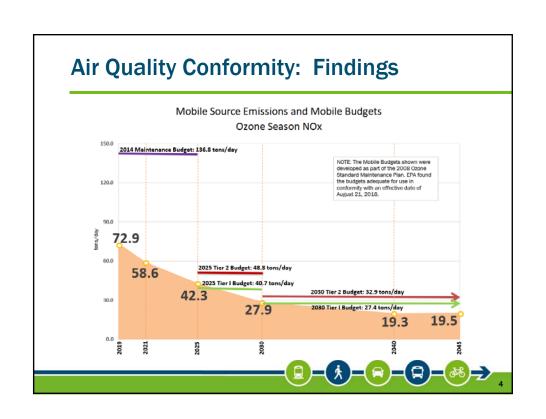
Long Range Transportation Plan

Visualize 2045

- > Federally Mandated Quadrennial Update
- New 2045 Out Year
- ➤ Updates to financial plan, demographics, modeling tools, projects/programs/policies
- ➤ Uses New 2008 Ozone Maintenance Plan Mobile Emissions Budgets
- ➤ Regional Priorities Reflected in Update Include:
 - ✓ Increased Housing to Improve Economic Competitiveness
 - ✓ Improved Metrorail reliability
 - ✓ Reduced Congestion







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From the August 6, 2018 Federal Register – Notice of Adequacy Finding for the Mobile Budgets in the 2008 Ozone Maintenance SIP:

"The MVEBs ...that include a transportation buffer will be used only as needed in situations where the conformity analysis must be based on different data, models, or planning assumptions, including, but not limited to, updates to demographic, land use, or project-related assumptions, than were used to create the first set of MVEBs in the maintenance plan"



Conformity Inputs: MP vs Visualize

	Maintenance Plan Mobile Budgets	Visualize 2045 Conformity Emissions
Cooperative Forecasts	Round 9.0	Round 9.1
Vehicle Fleet	2014 VIN	2016 VIN
Travel Demand Model	Version 2.3.66	Version 2.3.75
Project Inputs	2016 CLRP	Visualize 2045
Metrorail Constraint	yes	no

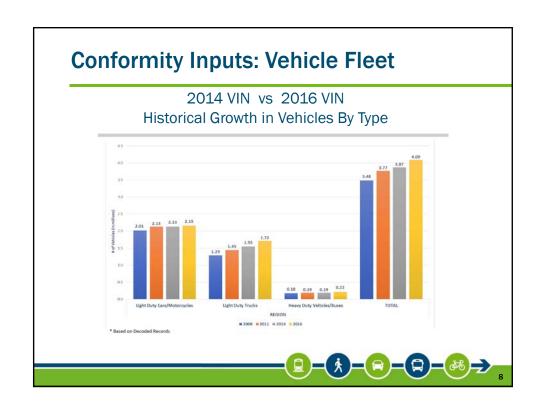


Conformity Inputs: Demographics

Cooperative Forecasts (2018-2045) Round 9.0 → Round 9.1

- 12K households (policy action by 3 States to increase housing in the region)
- 40K population
- 8K ♥ jobs, but
 - 14K **♠** jobs in 2025
 - 11K ▲ jobs in 2030





Conformity Analysis: Travel Model

Travel Demand Model v2.3.66 → v2.3.75

- Improved accuracy of airport trip modeling
- Enhanced managed lanes modeling



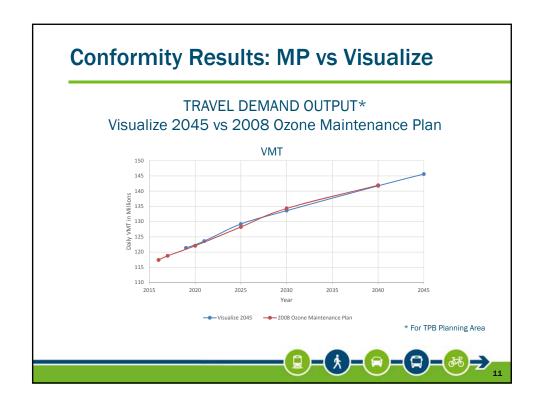
Conformity Inputs: Projects/Programs

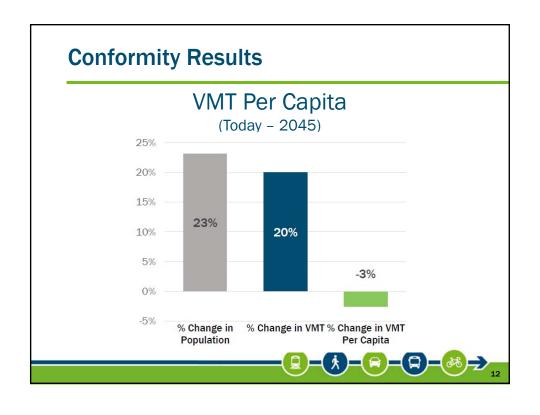
2016 CLRP → Visualize 2045

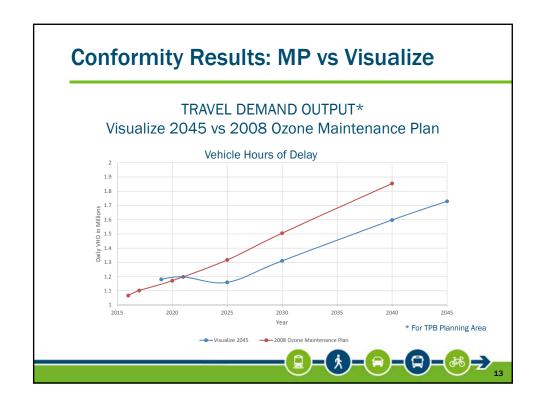
- ➤ New Managed Lanes on I-270 and MD Beltway
- VA Beltway Express Lanes Connection with MD Beltway
- New BRT Five Corridors in Montgomery County
- Metrorail Core Capacity Improvements (\$5.4 Billion)*
- US 301 Widening
- ➢ Bike Lane Corridors in the District

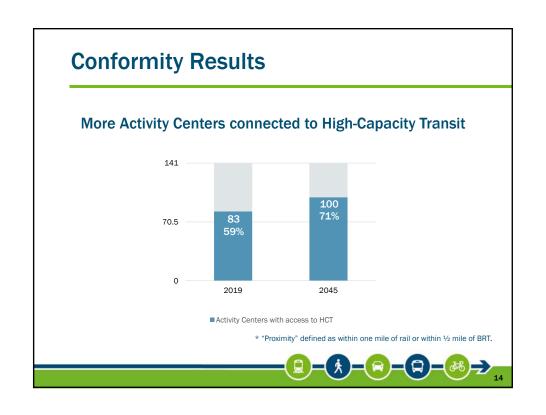
*Allowed for removal of "transit constraint"

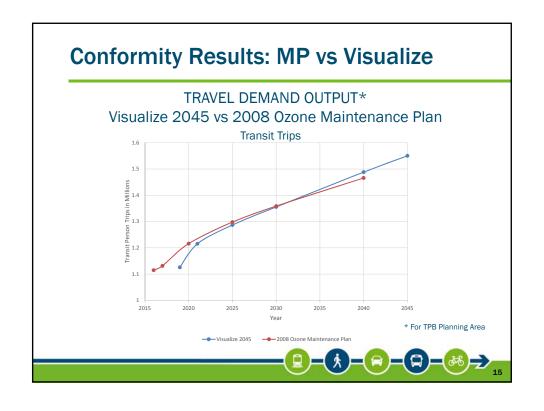


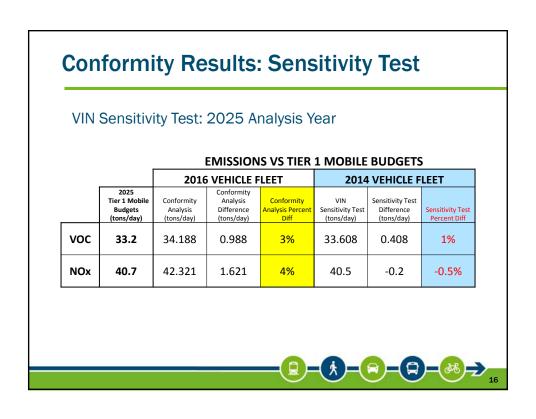


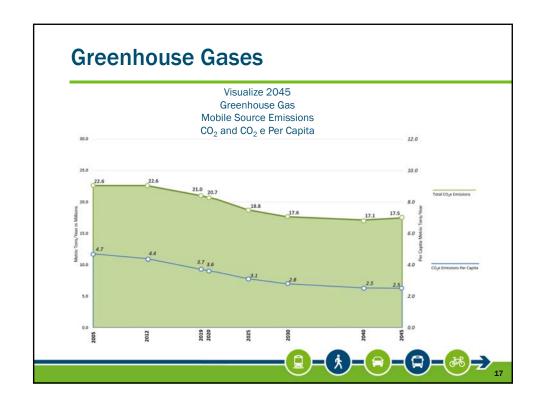












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Next Steps...

- Comment Period: Sept 7- Oct 7
- Presentation to TPB: Sept 21
- Presentation to MWAQC: Sept 26
- ➤ TPB Asked to Approve the Conformity Analysis, the Visualize 2045 Transportation Plan, and the FY2019-2024 TIP: Oct 17

