



# 2016 CLRP OFF-CYCLE AMENDMENT AND VISUALIZE 2045

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## Status Report on Air Quality Conformity Analysis and Long Range Planning Milestones

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Travel Forecasting Subcommittee  
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# 1. 2016 CLRP OFF- CYCLE AMENDMENT



# Reasons for Off-Cycle Conformity Analysis

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## Recent Regionally Significant Project Updates, Including:

- ❖ Changes in Access Points:
  - I-66 HOT Lanes Outside of the Beltway (Option A and Option B) and I-95 HOT lanes in Prince William County; [Project Info](#)
  
- ❖ Change in Completion Date:
  - Governor Harry Nice Bridge; [Project Info](#)
  
- ❖ New Project:
  - I-270 Innovative Congestion Management Project; [Project Info](#)



# Technical Approach

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## Key Technical Inputs and Methods:

- ❖ Round 9.0 Cooperative Forecasts  
(presentations: [TPB Tech March 4](#) & [TPB March 16](#))
- ❖ “Regionally Significant” Transportation Projects  
(presentation: TPB March 16- [major changes](#) & [project input table](#))
- ❖ **Version 2.3.70 Travel Demand Model**
- ❖ Analysis years: 2025, 2030, 2040
- ❖ 2014 Vehicle Registration Data (VIN)  
(presentations: [TPB Tech Jan 9 2015](#) & [MWAQC TAC Jan 13 2015](#))
- ❖ EPA’s MOVES2014a Mobile Emissions Model  
(presentation: [MWAQC TAC Feb 10 2015](#) & [TPB Tech April 3 2015](#))

*NOTE: Detailed presentations were given to the TPB, the TPB Technical Committee, and MWAQC TAC on the ‘NEW’ items in the February – March 2016 timeframe. VIN data and the MOVES model presentations were made in 2015. There is not a significant difference between MOVES2014 and MOVES14a. Links to the presentations are included with each item above.*



# Version 2.3.70 Travel Demand Model

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- ❖ Not substantially different from Version 2.3.66
- ❖ Revision in modeling of air passenger trips in highway assignment through path specification adjustments
- ❖ Other more minor changes (network refinements for existing facilities, etc.)



# Pollutants

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- ❖ Volatile Organic Compounds (VOC)
- ❖ Nitrogen Oxides (NO<sub>x</sub>)



## SCHEDULE: OFF-CYCLE CONFORMITY ANALYSIS FOR THE VDOT AND MDOT AMENDMENT to the 2016 Constrained Long Range Plan (CLRP)



March 3	Tech Committee is briefed on off-cycle conformity analysis: Project inputs and draft Scope of Work
March 9	Project inputs and draft Scope of Work released for <b>30-day comment period</b>
March 15*	TPB is briefed on project inputs and draft Scope of Work
April 8	Comment period ends
April 19*	TPB reviews comments and is asked to approve project inputs and draft Scope of Work
September 8	Technical Committee reviews VDOT and MDOT Amendment to the 2016 CLRP and draft conformity analysis
September 14	VDOT and MDOT Amendment to the 2016 CLRP and draft Conformity Analysis are released for <b>30-day comment period</b> at Citizens Advisory Committee (CAC) meeting
September 20*	TPB is briefed on the VDOT and MDOT Amendment to the 2016 CLRP and draft Conformity Analysis
October 14	Comment period ends.
October 18*	TPB reviews comments and responses to comments, and is presented with the VDOT and MDOT Amendment to the 2016 CLRP and draft Conformity Analysis for adoption.

\* Regularly scheduled TPB meeting.



# Current Project Status

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- ❖ Network Development – Complete ✓
- ❖ Travel Demand Modeling – Complete ✓
- ❖ Emissions Modeling – Complete ✓



# Next Steps for Off-Cycle Analysis

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- ❖ Presentation to TPB Tech. Committee Sep 8 ✓
- ❖ TPB Briefing: Conformity Findings Sep 20 ✓
- ❖ TPB Action: Off-Cycle Conformity Analysis Oct 18  
2016 CLRP Amendment  
2017-2022 TIP Update

# Data Availability

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- ❖ Standard model transmittal package with model inputs expected by the end of the calendar year
- ❖ Although not officially part of the conformity analysis, updated model inputs for 2017 base year and 2020 transit constraint year will be included in the package for project planning purposes



# 2. VISUALIZE 2045



# Visualize 2045

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## ❖ Quadrennial Update of the Region's Long Range Transportation Plan

### ❖ Components Include:

- Constrained Element
- Aspirational/Unconstrained Element
- Public Participation
- Financial Element



# Visualize 2045

**2016**  
AMENDMENT | **CLRP**

Financially Constrained Long-Range Transportation  
Plan for the National Capital Region

**UNFUNDED  
CAPITAL NEEDS,  
ADDITIONAL ELEMENTS,  
ADDITIONAL ANALYSIS**



**visualize2045**  
A LONG-RANGE TRANSPORTATION PLAN FOR THE NATIONAL CAPITAL REGION



# NEW for Visualize 2045

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- ❖ Round 9.1 Cooperative Forecasts
- ❖ Updated Transportation Projects
- ❖ New Travel Demand Model
- ❖ Out year: 2045
- ❖ Updated Vehicle Registration Data  
(VIN)



## SCHEDULE FOR DEVELOPMENT & ADOPTION OF VISUALIZE 2045

2017	September 20*	TPB is briefed on the draft Solicitation of Technical Inputs document.
	October 18*	TPB releases final Solicitation Document. Transportation agencies begin submitting project information through online database.
	November 17	<b>DEADLINE:</b> Transportation agencies complete online submission of draft inputs.
	December 1	Technical Committee reviews draft Visualize 2045 inputs and draft Scope of Work for the Air Quality Conformity Analysis.
	December 14	Visualize 2045 inputs and draft Scope of Work released for <b>30-day comment period.</b>
	December 20*	TPB is briefed on inputs and draft Scope of Work.
2018	January (TBD)	TPB staff briefs Metropolitan Washington Air Quality Committee Technical Advisory Committee (MWAQC TAC) on inputs and Scope of Work.
	January 13	Comment period ends.
	January 17*	TPB reviews comments and is asked to approve inputs and draft Scope of Work.
	March 2	<b>DEADLINE:</b> Transportation agencies finalize forms (including Congestion Management Documentation forms where needed) and inputs to the FY 2019-2024 TIP. Submissions must not impact conformity inputs. Note that the deadline for changes affecting conformity inputs was December 14, 2017.
	May 10	Public Forum on the development of the FY 2019-2024 TIP.
	September 7	Technical Committee reviews draft Visualize 2045 and Conformity Analysis.
	September 13	Draft Visualize 2045 Plan, TIP, and Conformity Analysis are released for <b>30-day comment period</b> at Citizens Advisory Committee (CAC) meeting.
	September 19*	TPB is briefed on the draft Visualize 2045 Plan, TIP, and Conformity Analysis.
	October (TBD)	TPB staff briefs MWAQC TAC on the draft Visualize 2045 Plan, TIP, and Conformity Analysis.
	October 13	Comment period ends.
October 17*	TPB reviews comments and responses to comments, and is presented with the draft Visualize 2045 Plan, TIP, and Conformity Analysis for approval.	

\* Regularly scheduled TPB meeting.



# Key Dates

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- ❖ Input Assumptions Due: November 2017
- ❖ Inputs Approved: January 2018
- ❖ Technical Analysis: Spring and Summer 2018
- ❖ TPB / Tech. Committee Briefings and Beginning of Public Comment Period: September 2018
- ❖ TPB Approval: October 2018
- ❖ Model Transmittal Package Available: December 2018





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# QUESTIONS?



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