



FAMPO REGIONAL CONFORMITY ANALYSIS FY 18-21 TIP AND 2045 LRTP DRAFT RESULTS

**FAMPO Technical Advisory Committee
George Washington Regional Commission**

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August 8, 2018

Agenda

- 1. Introduction**
- 2. Review of key models, methods, and assumptions**
- 3. Conformity analysis emissions results**
- 4. Schedule and next steps**

1. Introduction

- **February 16, 2018, the US Court of Appeals for the DC Circuit ruled that, among other things, “the revocation of the 1997 NAAQS does not waive the unambiguous mandate that conformity requirements apply to orphan maintenance areas.”**
- **April 23, 2018, FHWA/FTA issued Interim Guidance on Conformity essentially placing TIP/STIP/LRTP updates/amendments that include non-exempt projects “on hold” until conformity is demonstrated, at least until EPA provides further clarification.**
- **FAMPO ICG Meeting held June 4, 2018, where approval was obtained for;**
 - **Models, methods, and planning assumptions**
 - **Schedule**
 - **Conformity project list**
- **Draft Conformity Report is complete, included in agenda package**

Fredericksburg 8-Hour Ozone Maintenance Area



2. Methodology: Motor Vehicle Emissions Budgets

Design Year	VOC (tons/day)	NOx (tons/day)
2015	7.334	12.933

- On September 26, 2011, DEQ submitted a 8-hour Ozone Maintenance Plan revision to EPA that updated the NOx motor vehicle emissions budget for 2015 using the MOVES model
- On December 20, 2012, EPA published approval of the NOx motor vehicle emissions budget in the Federal Register
- No transportation control measures (TCMs) were included in the Fredericksburg Area Maintenance Plan

2. Methodology: Analysis Years

2021:

First analysis year

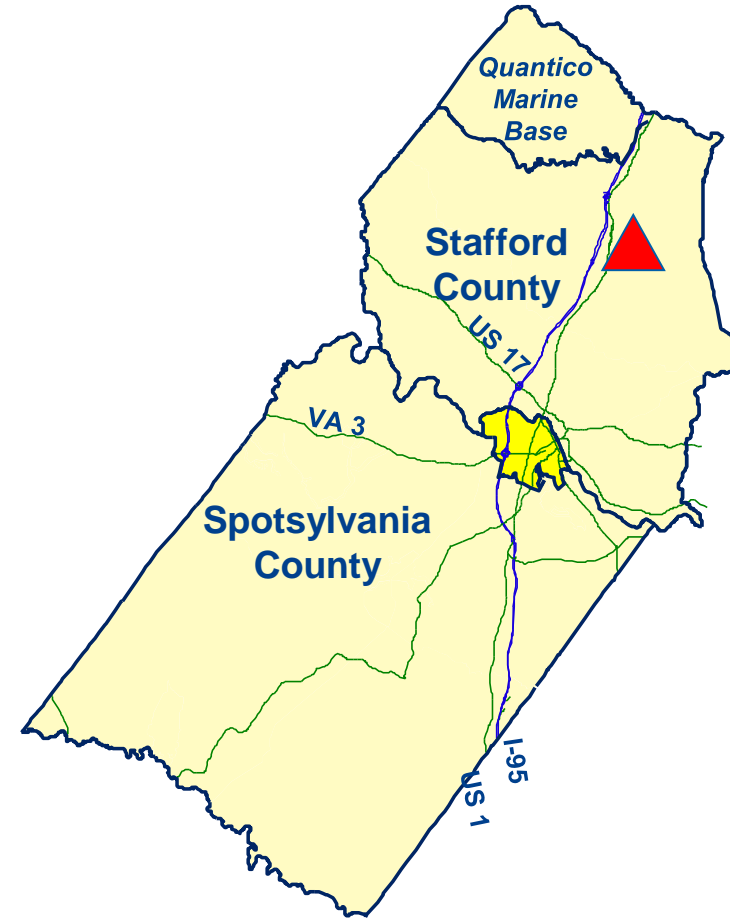
2025 and 2035:

Interim Years

Ten-year interval limit

2045:

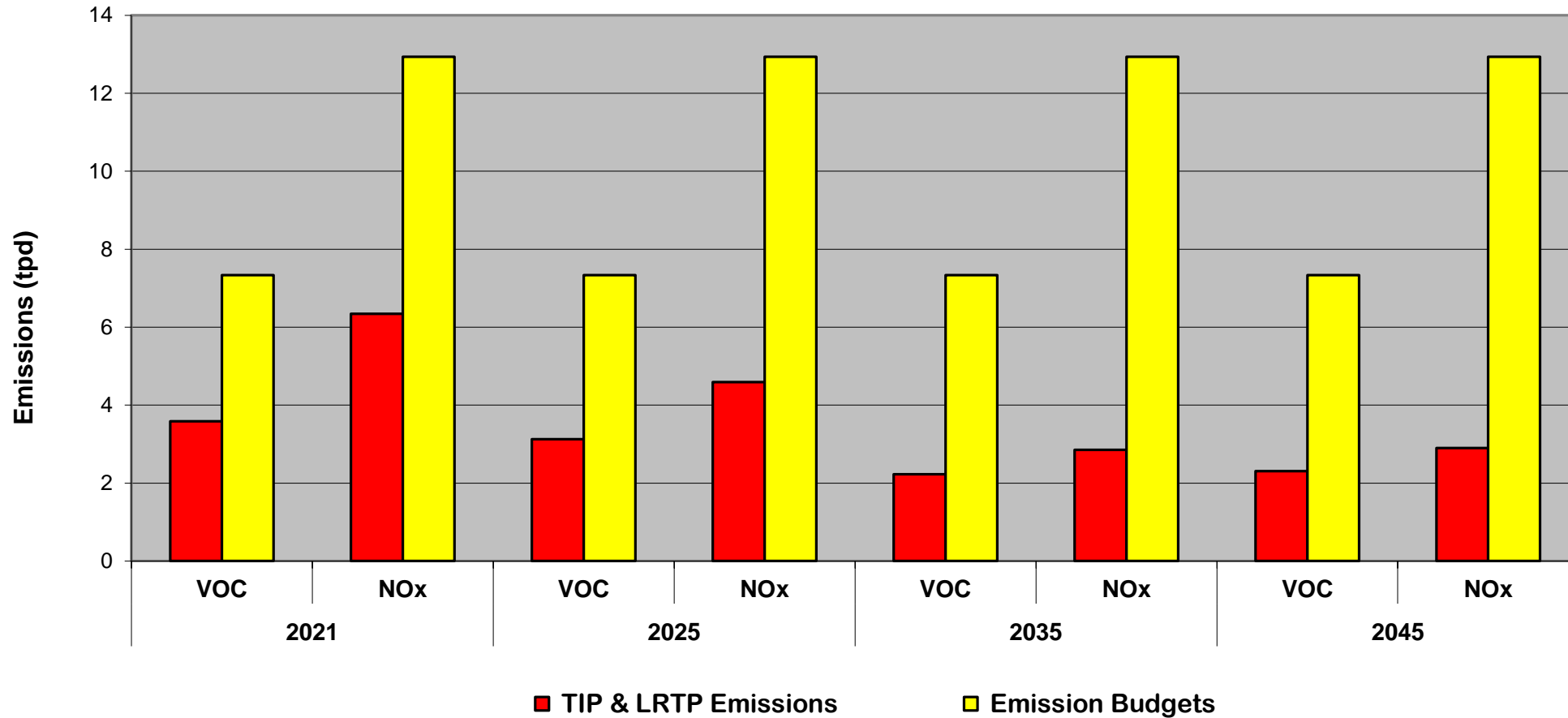
Horizon Year of LRTP



2. Key Models, Methods, and Assumptions

- **Using EPA's latest MOVES2014a Motor Vehicle Emissions Simulator (MOVES) model**
- **Meteorological Data - consistent with 1997 8-Hour Ozone Maintenance Plan**
- **Fuels data obtained from VDEQ (MOVES2014a default)**
 - **RFG in Stafford; conventional gasoline in Fredericksburg and Spotsylvania**
- **I&M in Stafford County**
- **Vehicle Miles traveled (VMT)**
 - **FAMPO TDM for arterial and larger roadways**
 - **HPMS (2016) for local and collector roadways, grown to future years consistent with S-E auto growth rates**
 - **Monthly (summertime) and weekday adjustment factors applied as appropriate, taken from the 2014 VDOT Traffic Trends Report**
 - **Hourly VMT Fractions – MOVES2014a default**
 - **Used to create MOVES2014a inputs such as Source Type Populations, Road Type Distributions, Speed Distributions, and Annual VMT**

3. Conformity Analysis Results



4. Schedule and Next Steps

Date	Task
June 4, 2018	Interagency Consultation Group (ICG) Conformity Kick-off Meeting on the FAMPO FY 18-21 TIP and 2045 LRTP
August 8, 2018	FAMPO TAC approves draft Conformity Report for public review on behalf of FAMPO, and for submittal to FHWA if no adverse comment received
August 9 - 23, 2018	14-day public comment period
August 24, 2018	VDOT/FAMPO staff review and address adverse public comments (if necessary)
August 27, 2018	FAMPO TAC approves Conformity Report for submittal to FHWA on behalf of FAMPO (special called meeting, only needed if adverse comment received)
August 28, 2018	VDOT submits electronic copy of final Conformity Report to FHWA; 45-day federal review period begins (may advance a few days if no adverse comment received)
October 12, 2018	Federal Conformity Determination received (may advance a few days if no adverse comment received)

Any Questions?

