



Richmond/Tri-Cities Regional Conformity Analysis Results
FY 18-21 Transportation Improvement Program and
2040 Long Range Transportation Plan

RRTPO Technical Advisory Committee

August 14th , 2018–9:00 a.m.
RRPDC Board Room

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.**
- **RRTPO/TCMPO ICG Meeting held June 12th , 2018, where approval was obtained for;**
 - **Models, methods, and planning assumptions**
 - **Schedule**
 - **Conformity project list**
- **Draft Conformity Report is complete, and included in handouts**

Richmond 8-Hour Ozone Maintenance Area



2. Methodology: Motor Vehicle Emissions Budgets

Design Year	VOC (tons/day)	NOx (tons/day)
2018	23.845	26.827

2. Methodology: Analysis Years

2018:

Budget Year established in the Air Quality Maintenance Plan

2028 and 2030:

Ten-year interval limit

2040:

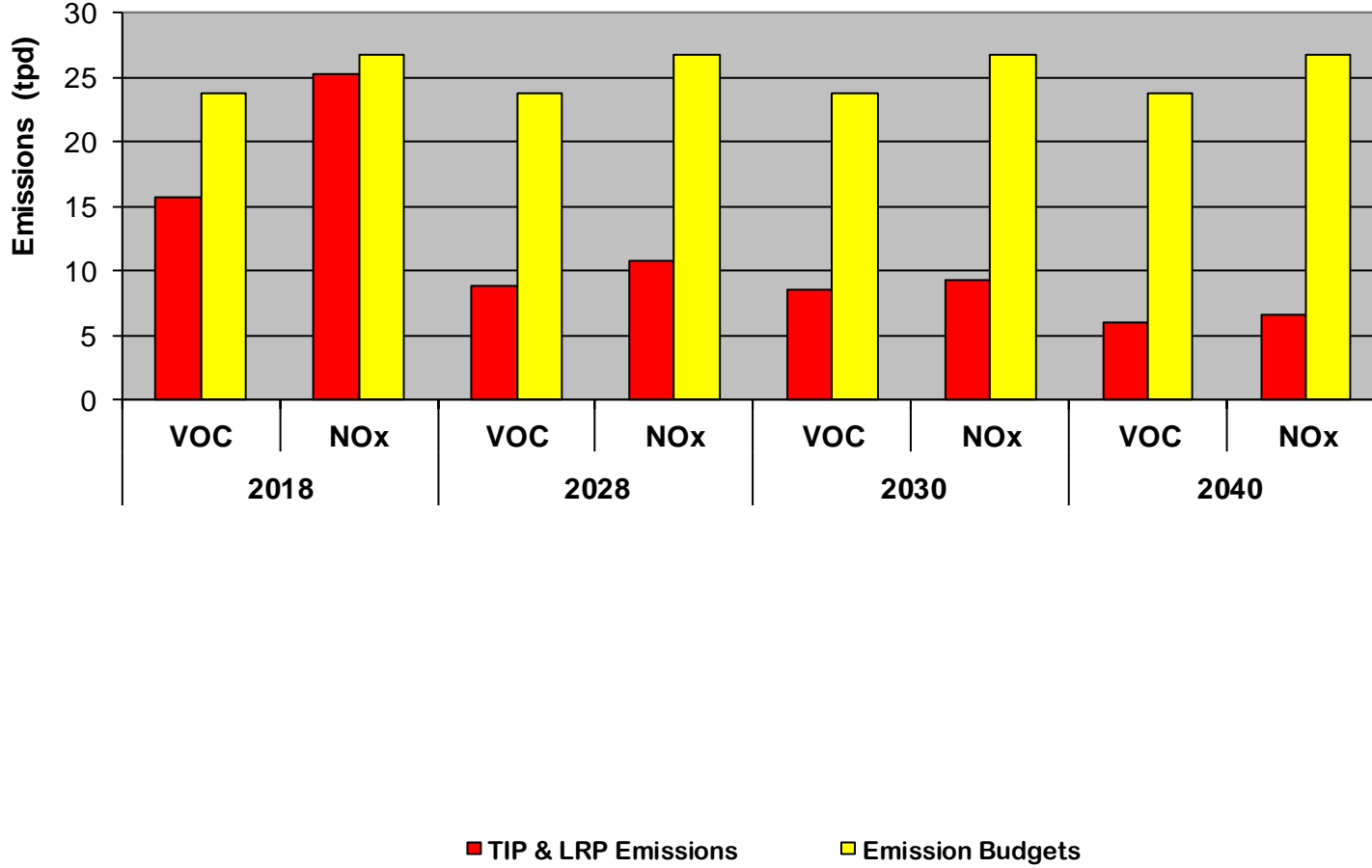
Horizon Year of CLRP



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 (except for Petersburg and Prince George); conventional gasoline in Petersburg and Prince George
- **Vehicle Miles traveled (VMT)**
 - RTC 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

Conformity Analysis Results



Conformity Analysis Schedule

Date	Task
August 10 th ,- Sept 9 th , 2018	Tri-Cities MPO 30 day public review period
August 14th, 2018	RRTPO TAC review of draft Conformity Report and authorizes Conformity Report for public review
August 15 – 29th, 2018	RRTPO 14 day public review period
September 6th, 2018	RRTPO approve the Conformity Report for FHWA review pending no adverse comments at the conclusion of the Tri-Cities 30 day public review period
September 10th-12th, 2018	VDOT/PDC staff review and address any adverse public comment (if necessary)
September 13th, 2018	RRTPO Executive Committee approve Conformity Report for FHWA review (only needed if adverse comment received)
September 13 th , 2018	Tri-Cities MPO approve Conformity Report for FHWA review
September 14th, 2018	VDOT submits e-copy of Conformity Report to FHWA (to be followed by hard copies); 45-day Federal review period begins
October 29th, 2018	Federal Conformity Determination received

Any Questions?

