



Financially Constrained
**Long-Range
Transportation Plan**
For the National Capital Region

CLRP
2014

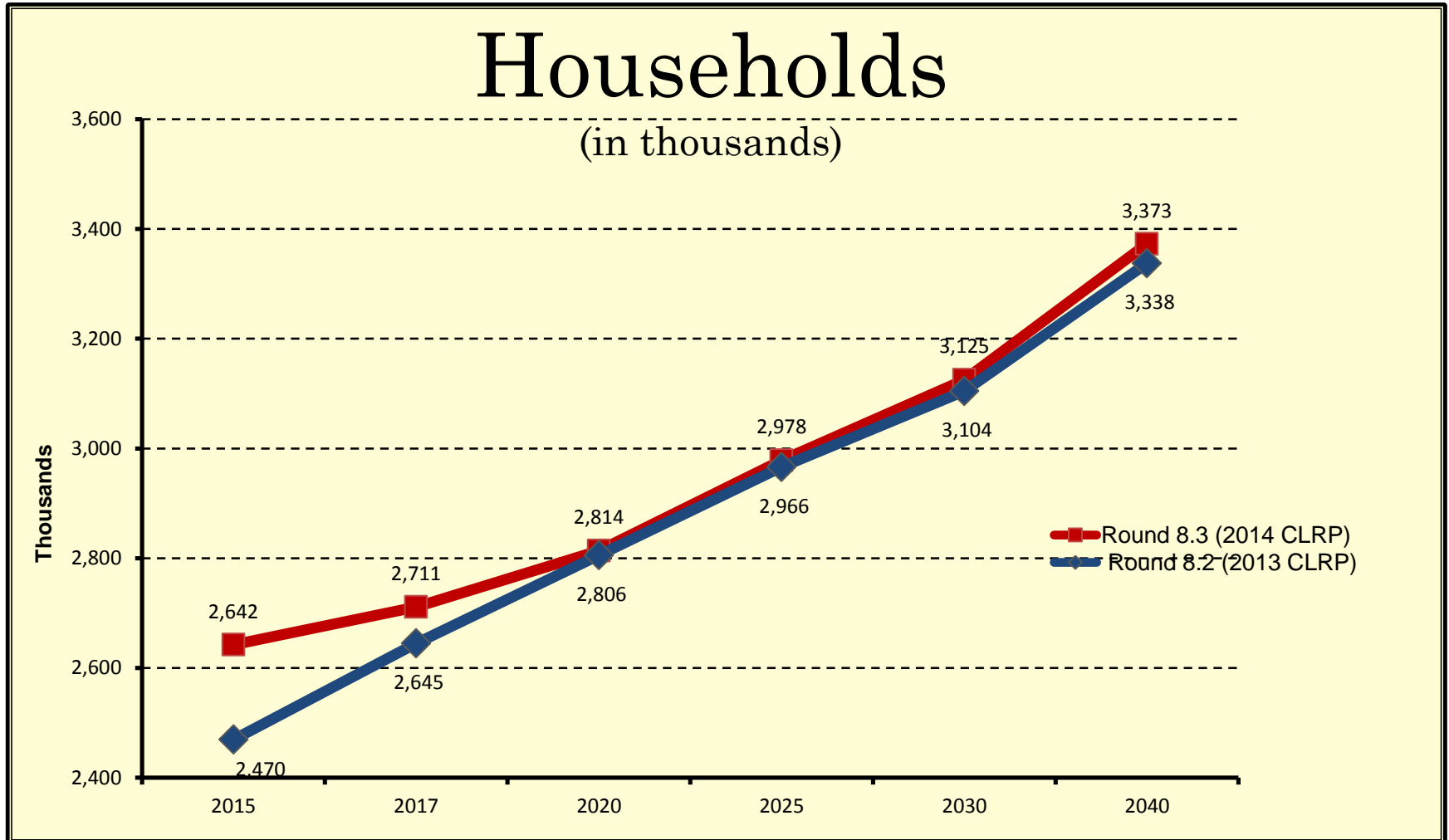
AIR QUALITY CONFORMITY ANALYSIS
OF THE 2014 CLRP AND FY 2015–2020 TIP

Presentation to the Travel Forecasting Subcommittee
September 19, 2014

Air Quality Conformity 2014 CLRP and FY2015-2020 TIP Technical Approach

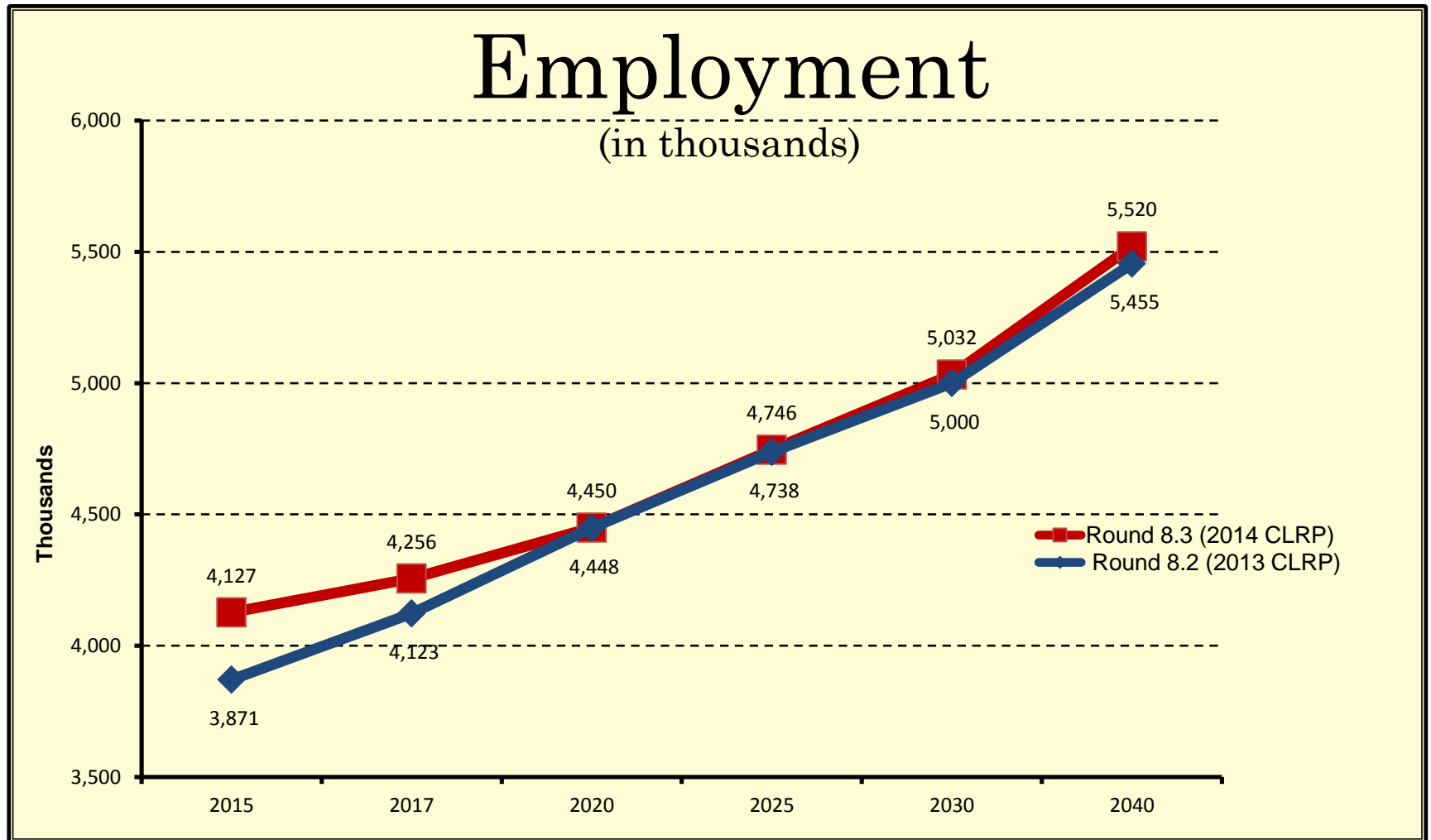
	<u>2013 CLRP</u>	<u>2014 CLRP</u>
Land Activity:	Round 8.2 Cooperative Forecasts	Round 8.3 Cooperative Forecasts
Modeled Area:	3722 TAZ	3722 TAZ
Travel Demand Model:	Version 2.3.52	Version 2.3.57
Mobile Model:	MOVES2010a	MOVES2010a
Vehicle Registration Data:	2011 VIN	2011 VIN with Updated Forecast Year Vehicle Projection Methodology
Analysis Years:	2015, 2017, 2020, 2025, 2030, 2040	2015, 2017, 2020, 2025, 2030, 2040

Air Quality Conformity 2014 CLRP and FY2015-2020 TIP Round 8.3 Cooperative Forecasts



NOTE: Values are for the modeled area.

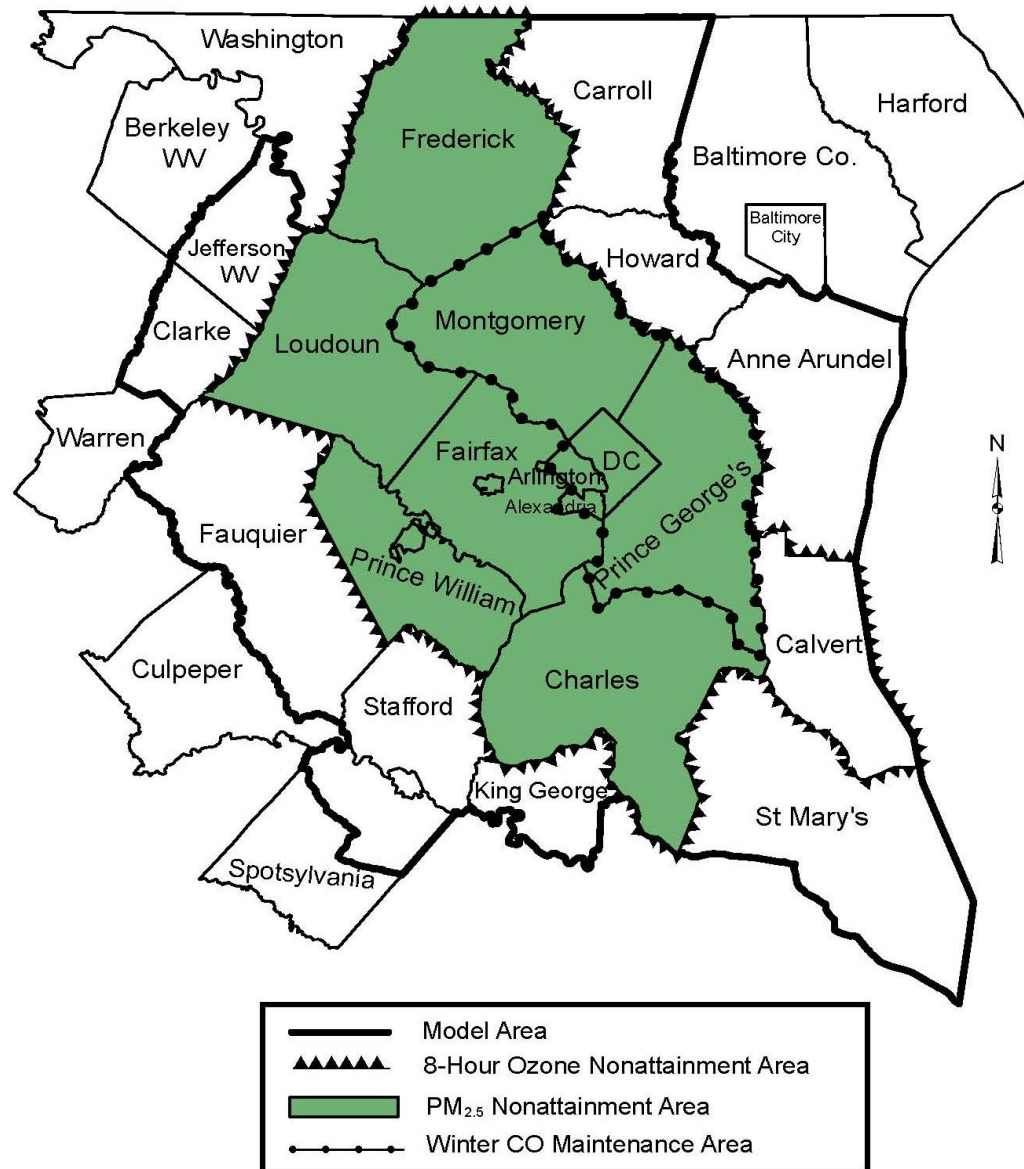
Air Quality Conformity 2014 CLRP and FY2015-2020 TIP Round 8.3 Cooperative Forecasts



NOTE: Values are for the modeled area.

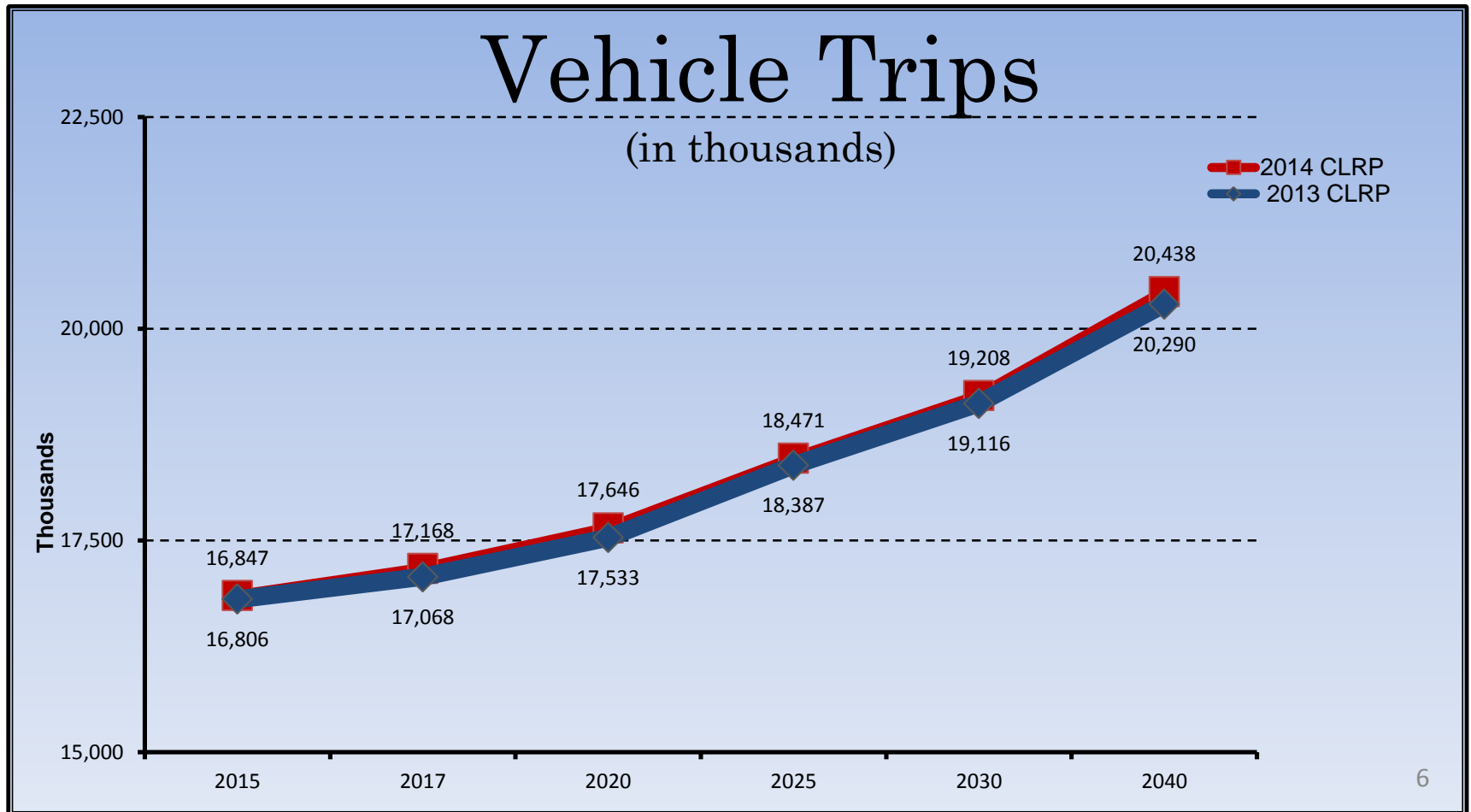
*Includes census adjustment

TPB Transportation Planning Area and Washington, DC-MD-VA Nonattainment & Maintenance Areas



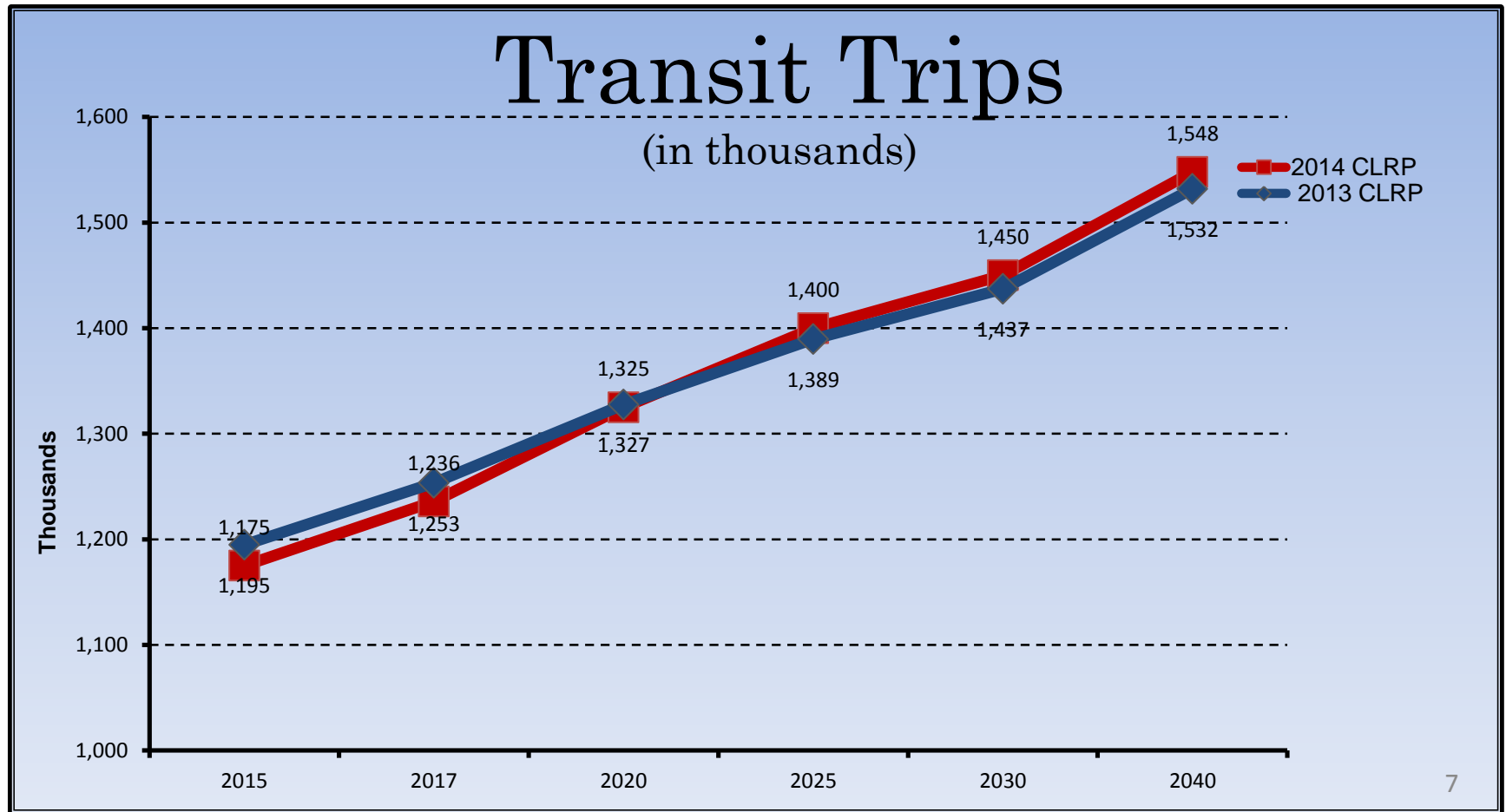
Air Quality Conformity 2014 CLRP and FY2015-2020 TIP Travel Demand Summary

Average Weekday Traffic Modeled Area



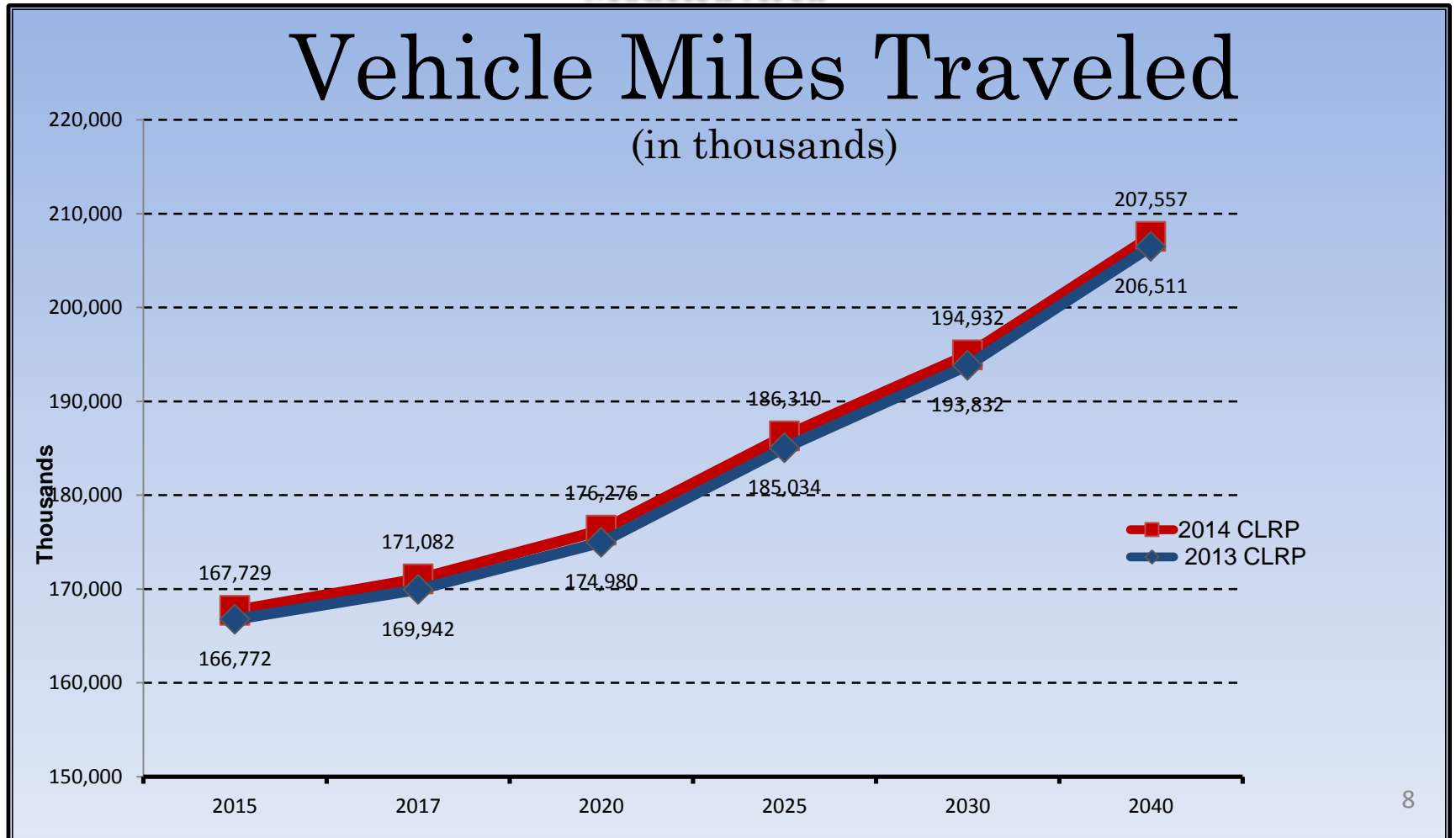
Air Quality Conformity 2014 CLRP and FY2015-2020 TIP Travel Demand Summary

Average Weekday Traffic Modeled Area



Air Quality Conformity 2014 CLRP and FY2015-2020 TIP Travel Demand Summary

Average Weekday Traffic Modeled Area



**Air Quality Conformity
2014 CLRP and FY2015-2020 TIP**

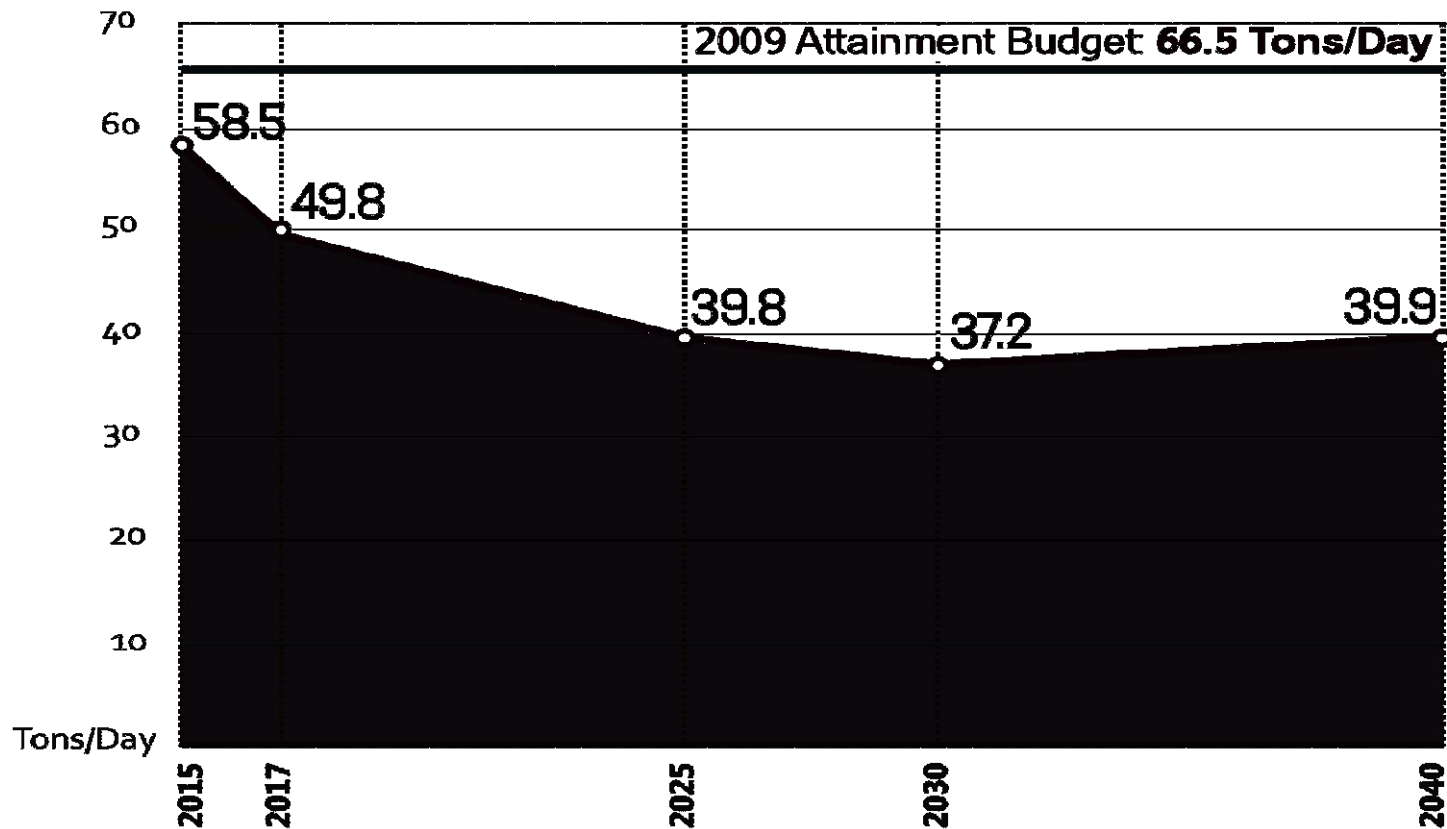
Pollutants

- ❖ Volatile Organic Compounds (VOC)
- ❖ Nitrogen Oxides (NO_x)
- ❖ Direct Fine Particles (PM_{2.5})
- ❖ PM_{2.5} Precursor NO_x
- ❖ Wintertime Carbon Monoxide (CO)

Air Quality Conformity 2014 CLRP and FY2015-2020 TIP Mobile Source Emissions

NOTE: The Mobile Budget shown was developed in 2007, as part of the 8 Hour - Ozone SIP, in response to the 1997 Ozone Standard. This budget, as the most current approved by EPA, is required for use in any conformity analysis assessing ozone season pollutants.

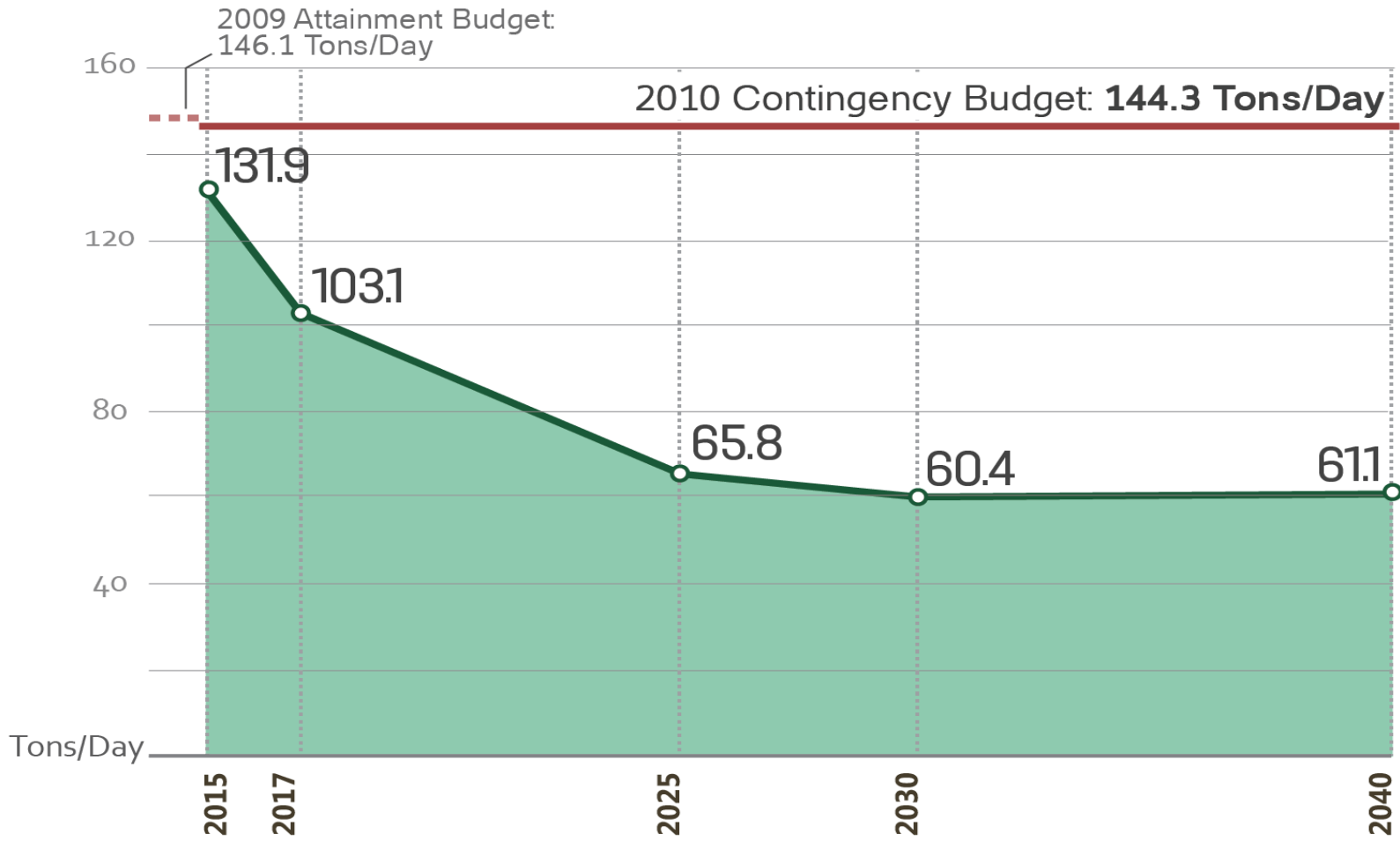
Ozone Season VOC



Air Quality Conformity 2014 CLRP and FY2015-2020 TIP Mobile Source Emissions

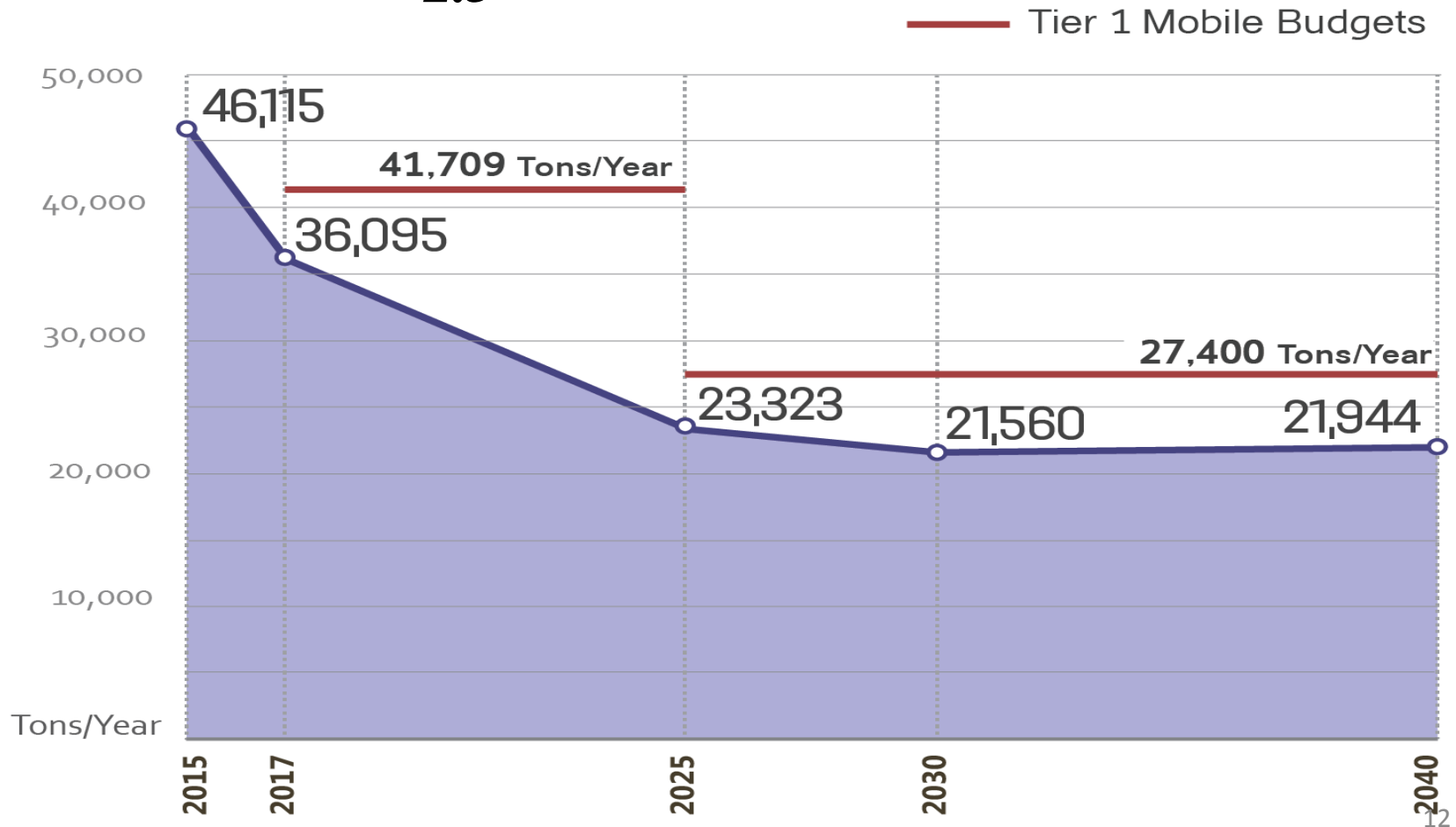
NOTE: The Mobile Budgets shown were developed in 2007, as part of the 8-Hour Ozone SIP, in response to the 1997 Ozone Standard. These budgets, as the most current approved by EPA, are required for use in any conformity analysis assessing ozone season pollutants.

Ozone Season NO_x



Air Quality Conformity 2014 CLRP and FY2015-2020 TIP Mobile Source Emissions

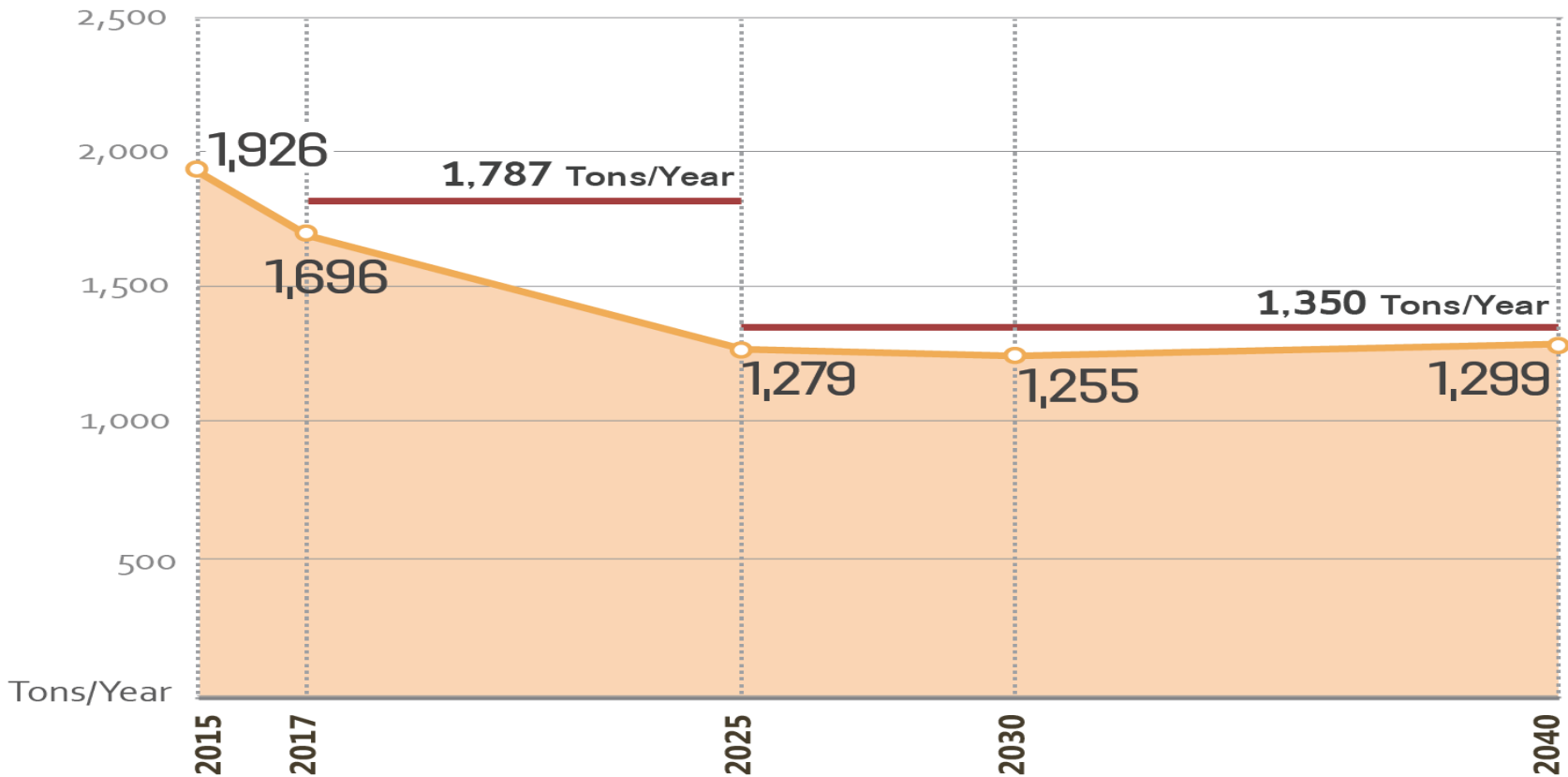
PM_{2.5} Precursor NO_x



Air Quality Conformity 2014 CLRP and FY2015-2020 TIP Mobile Source Emissions

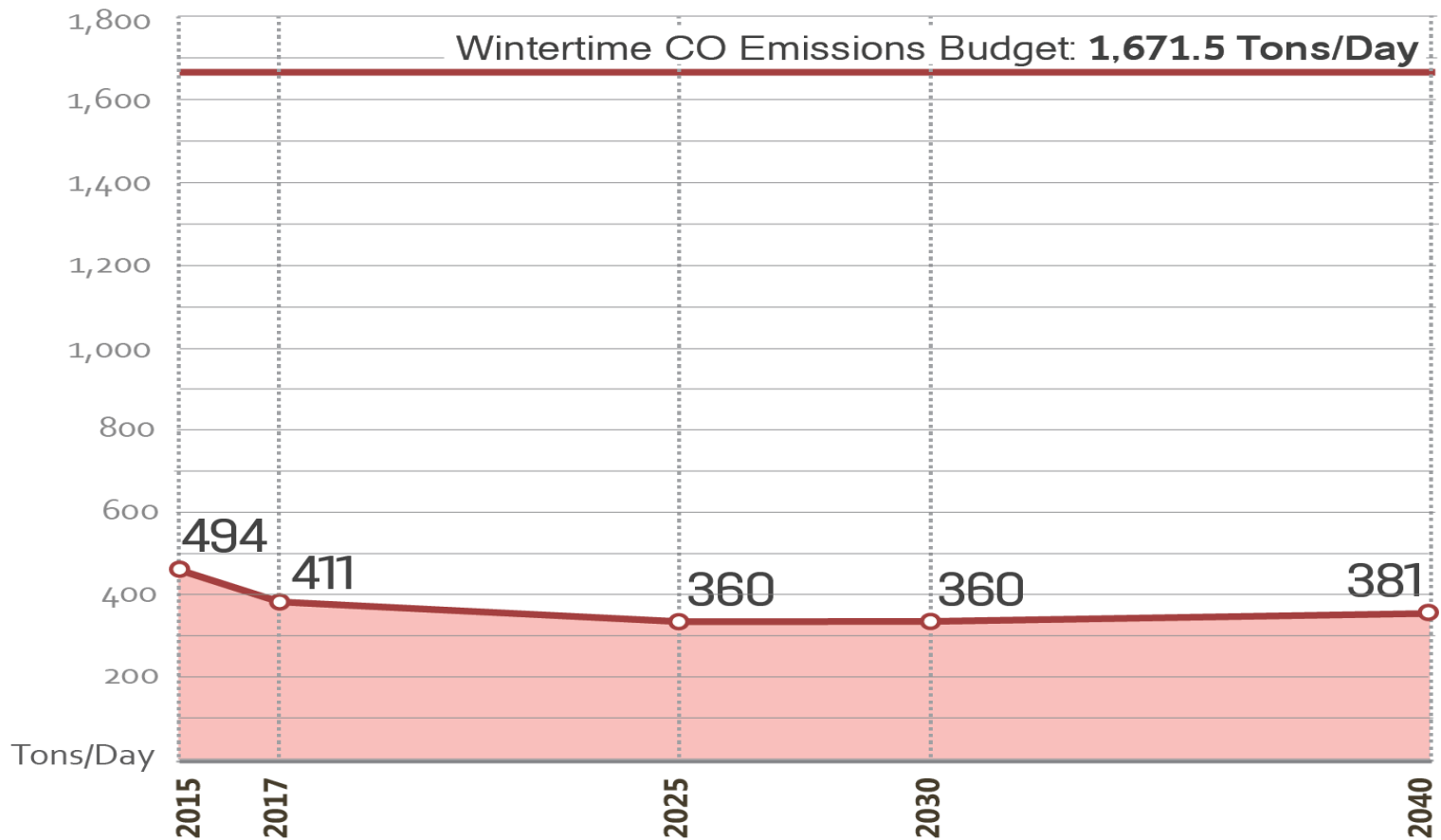
PM_{2.5} Direct

— Tier 1 Mobile Budgets



Air Quality Conformity 2014 CLRP and FY2015-2020 TIP Mobile Source Emissions

Wintertime CO



Air Quality Conformity 2014 CLRP and FY2015-2020 TIP Schedule

*October 16, 2013	TPB is Briefed on Draft Call for Projects
*November 20, 2013	TPB Releases Final Call for Projects - Transportation Agencies Begin Submitting Project Information through On-Line Database
December 13, 2013	DEADLINE: Transportation Agencies Complete On-Line Submission of Draft Project Inputs.
March 7, 2014	Technical Committee Reviews Draft CLRP & TIP Project Submissions and Draft Scope of Work for the Air Quality Conformity Analysis
March 13, 2014	CLRP & TIP Project Submissions and Draft Scope of Work Released for Public Comment
*March 19, 2014	TPB is Briefed on Project Submissions and Draft Scope of Work
April 8, 2014	TPB Staff Briefs MWAQC TAC on Project Submissions and Scope of Work
April 12, 2014	Public Comment Period Ends
*April 16, 2014	TPB Reviews Public Comments and is asked to Approve Project Submissions and Draft Scope of Work
June 6, 2014	DEADLINE: Transportation Agencies Finalize Congestion Management Documentation Forms (where needed) and CLRP & TIP Forms. (Submissions must not impact conformity inputs; note that the deadline for changes affecting conformity inputs was April 16, 2014).
September 5, 2014	Technical Committee Reviews Draft CLRP & TIP and Conformity Analysis
September 11, 2014	Draft CLRP & TIP and Conformity Analysis Released for Public Comment at Citizens Advisory Committee (CAC)
*September 17, 2014	TPB Briefed on the Draft CLRP & TIP and Conformity Analysis
September 9, 2014	TPB Staff Briefs MWAQC TAC on the Draft CLRP & TIP and Conformity Analysis
October 11, 2014	Public Comment Period Ends
*October 15, 2014	TPB Reviews Public Comments and Responses to Comments, and is Presented the Draft CLRP & TIP and Conformity Analysis for Adoption
*TPB Meeting	

**Air Quality Conformity
2014 CLRP and FY2015-2020 TIP**

QUESTIONS?