AIR QUALITY CONFORMITY ASSESSMENT of the 2011 Constrained Long Range Plan (CLRP)

Item 11 Transportation Planning Board October 19, 2011

TECHNICAL APPROACH

Version 2.3 Travel Demand Model- NEW!
3722 TAZ Area System- NEW!
Round 8.0a Cooperative Forecasts- NEW!
Mobile 6.2 Emissions Model
2008 Vehicle Registration Data
2002, 2016, 2020, 2030, 2040 Analysis Years

Version 2.3 Travel Demand Model

CALIBRATED USING:

2007/2008 Household Interview Survey
On-board Transit Surveys
2007 HPMS Traffic Count Data
2007 American Community Survey (ACS)

EMISSIONS CRITERIA:

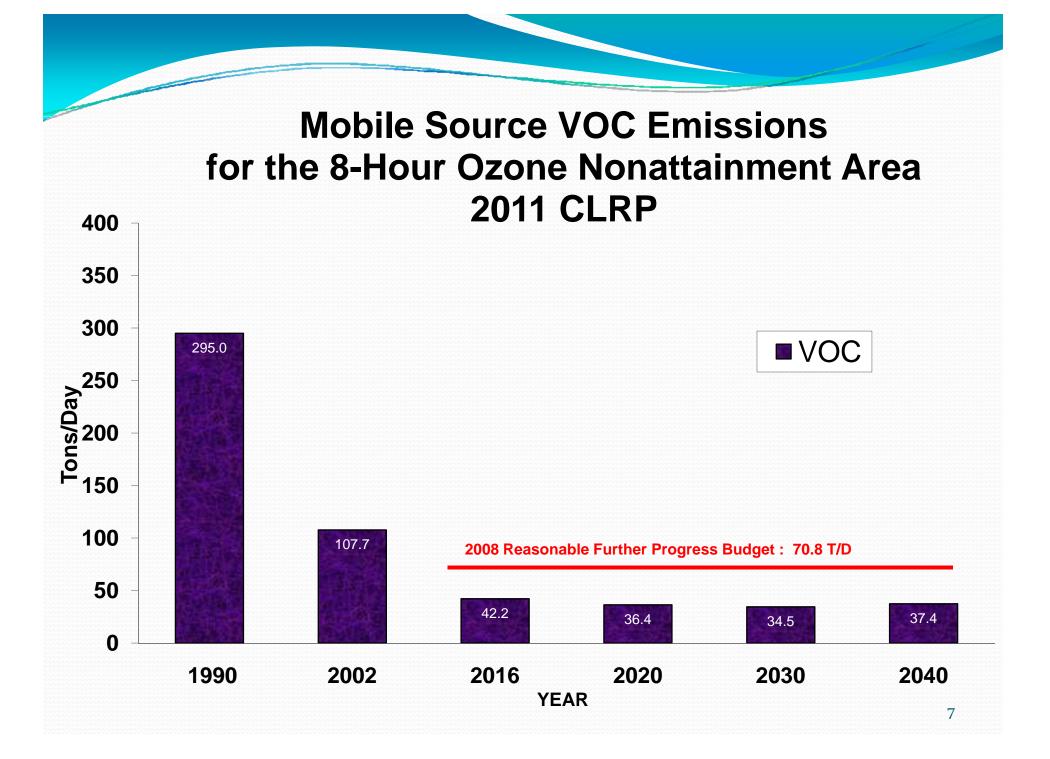
RESULTS TRAVEL DEMAND

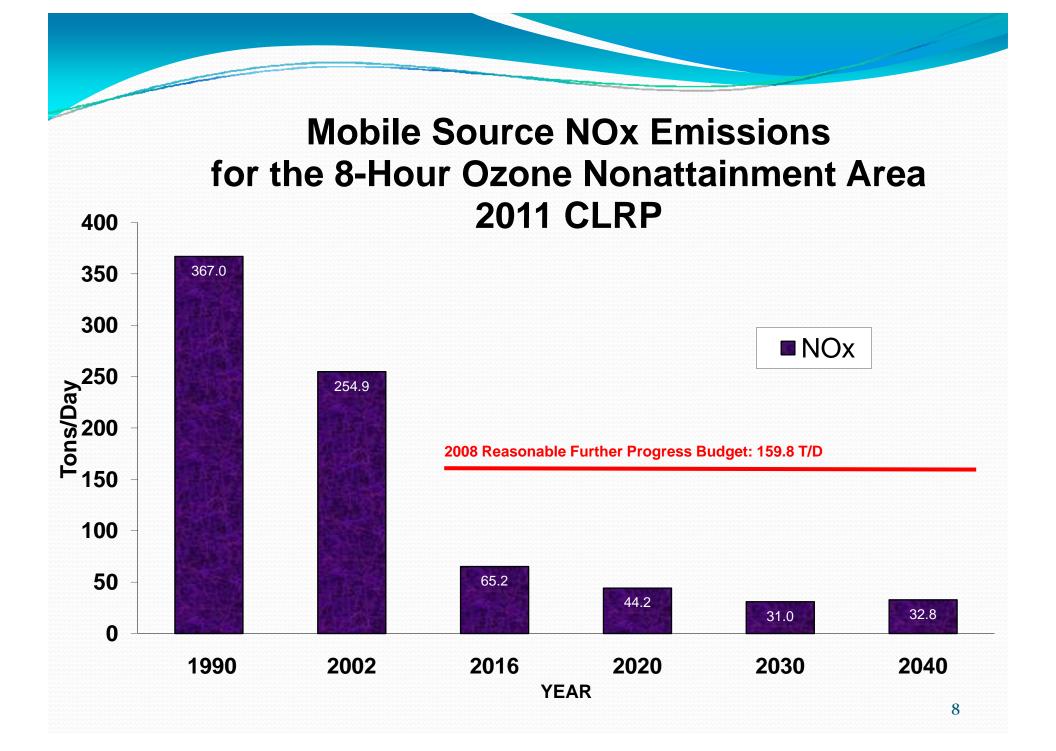
Transit Trips, Vehicle Trips, and VMT Increase Through Time (millions)

	<u>2002</u>	<u>2016</u>	<u>2020</u>	<u>2030</u>	<u>2040</u>
Transit Trips	1.1	1.3	1.4	1.5	1.6
Vehicle Trips	14.9	17.6	18.4	20.0	21.4
VMT	150.7	178.7	186.4	203.9	219.2

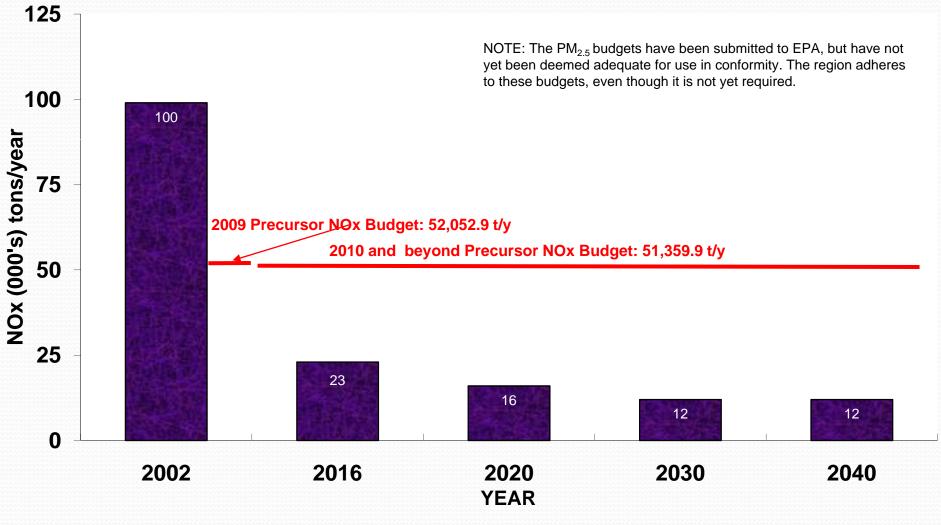
RESULTS EMISSIONS

...but by 2040, emissions start to increase again



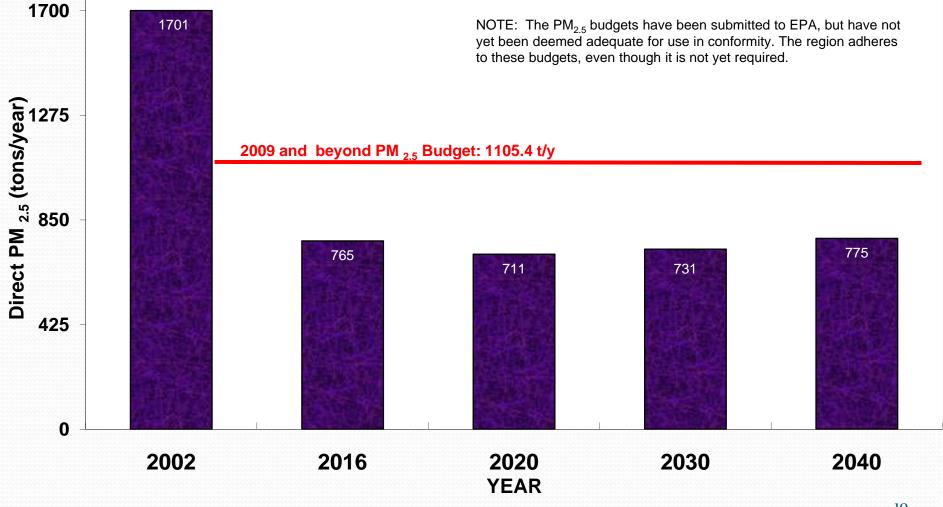


Mobile Source Emissions 2011 CLRP Precursor NOx



9

Mobile Source Emissions 2011 CLRP Direct PM_{2.5}



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RESULTS

EMISSIONS

OZONE SEASON POLLUTANTS: Within Approved Budgets

FINE PARTICLES POLLUTANTS: Forecast Years Lower Than Base Year

WINTERTIME CO:
 Within Approved Budget

SCHEDULE

October 13 Public Comment Begins

October 19 TPB Briefed on Conformity Results

November 12 Public Comment Ends

November 16

TPB Reviews Comments, Asked to Adopt Amendments