

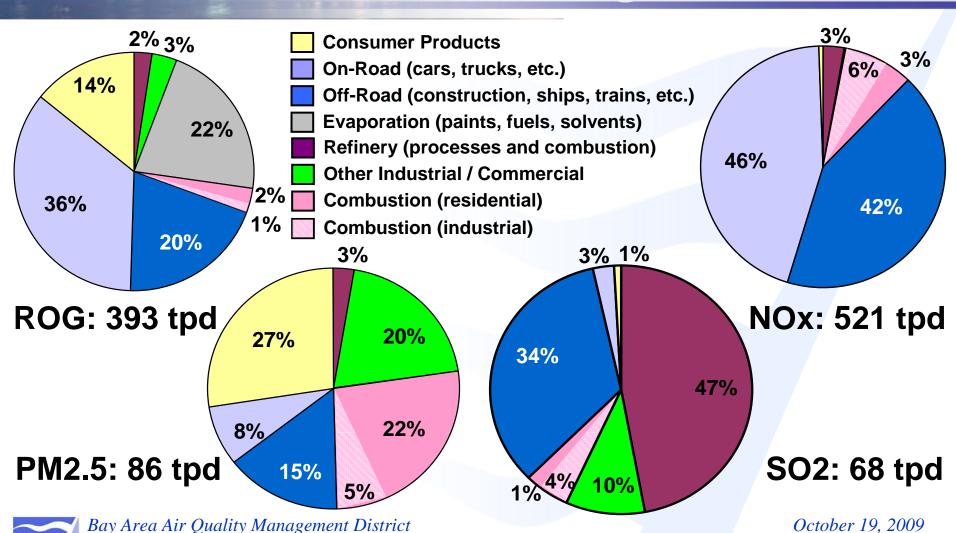
Stationary Source Committee Meeting

Agenda Item: 5

Bay Area Emissions Trends

Henry Hilken
Director
Planning, Rules and Research Division
October 19, 2009

Distribution of 2005 Annual Average Emissions



Attachment B

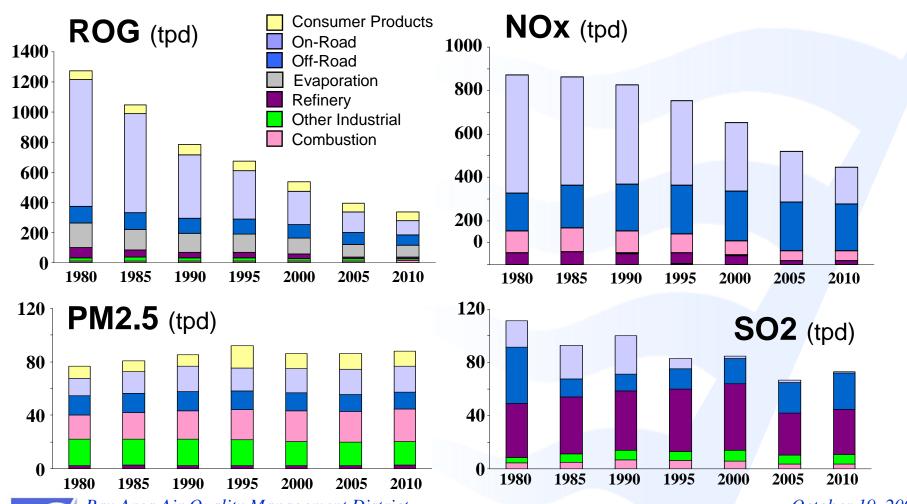
Agenda Item: 4

Slide 2

Bay Area Emissions Trends

Stationary Source Committee Meeting

All Sources Emission Trends 1980-2010

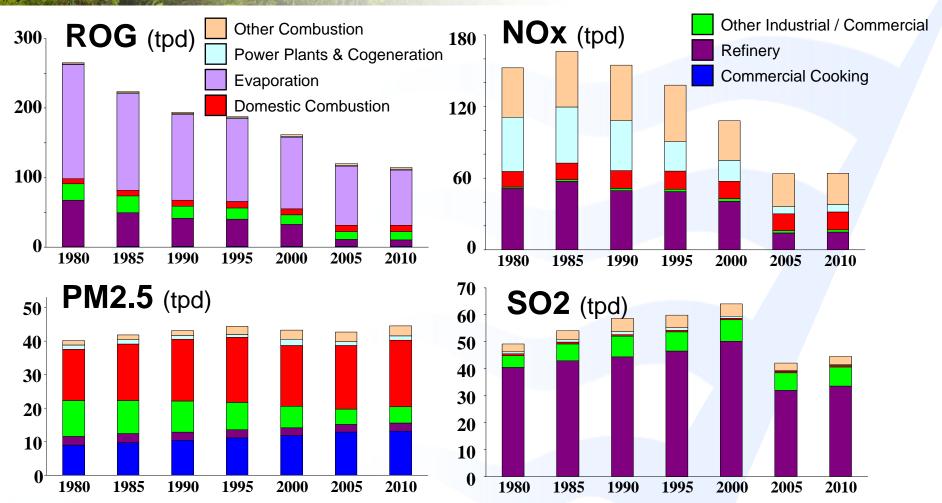




Bay Area Air Quality Management District Bay Area Emissions Trends Stationary Source Committee Meeting

Attachment B

Stationary Source Emission Trends 1980-2010



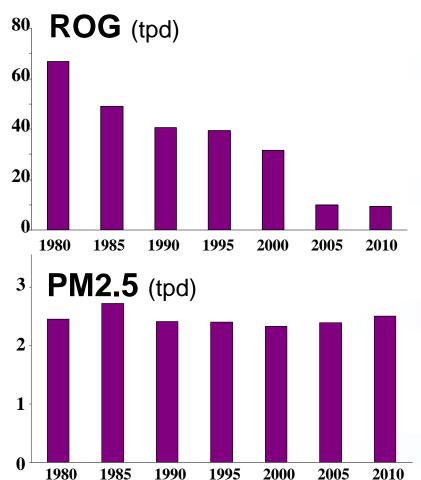


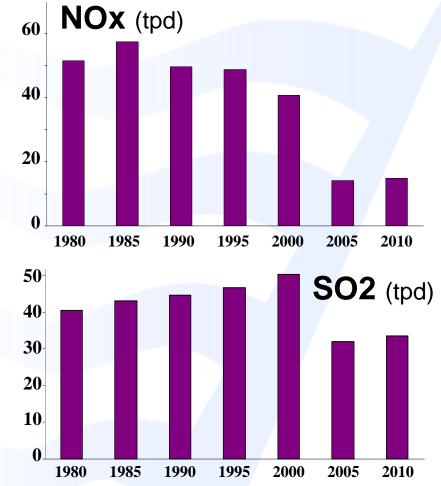
Bay Area Air Quality Management District Bay Area Emissions Trends Stationary Source Committee Meeting

Attachment B



Refinery Emission Trends 1980-2010



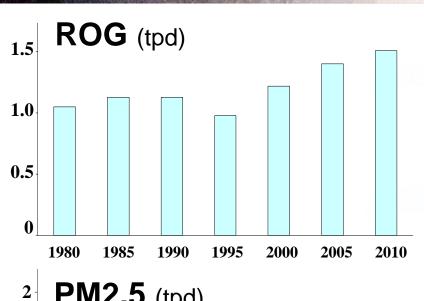


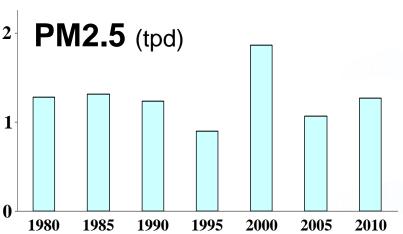


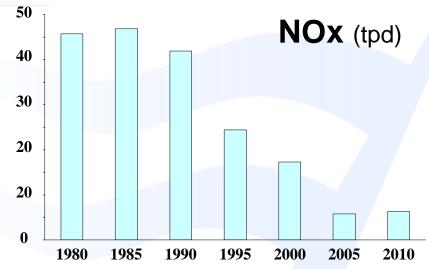
Bay Area Air Quality Management District Bay Area Emissions Trends Stationary Source Committee Meeting

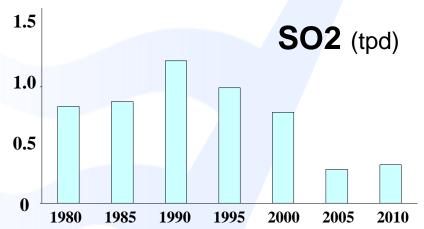
Attachment B

Power Plants & Cogeneration Emission Trends 1980-2010











Bay Area Air Quality Management District Bay Area Emissions Trends Stationary Source Committee Meeting

Attachment B

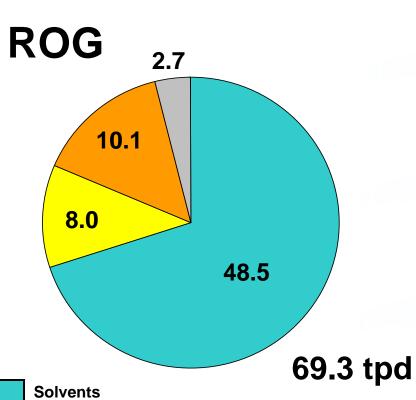
Emission Reductions from Adopted Control Measures 1992-2008

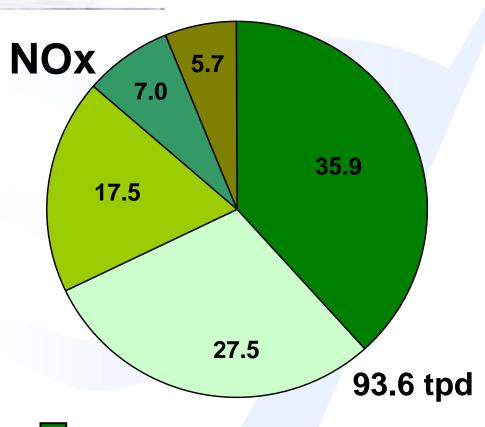
Category	Rule(s)	Description	Dates	ROG	NOX
Surface Coating & Solvent Use	8-51	Adhesives	Nov 92 / Jun 96	19.0	0
	8-3	Architectural Coatings	Nov 01 / Dec 08	9.2	0
	8-32	Wood Furniture and Cabinet Coatings	Nov 96	6.2	0
	8-16, 20, 45	Solvents Used for Surface Preparation / Clean-up of Solvents	Oct 01	5.1	0
	8-45	Automotive Refinishing	Dec 08	3.7	0
		All Others	n/a	5.4	0
			Subtotal	48.5	0
Fuels / Organic Liquids Storage & Distribution	8-7	Gasoline Dispensing Facilities	Nov 99	3.8	0
	8.5	Storage of Organic Liquids	Jan 93 / Dec 99	3.5	0
		All Others	n/a	0.6	0
			Subtotal	8.0	0
Refinery & Chemical Plant Processing	8-18, 22, 25	Pumps, Valves, Flanges & Compressor Seals	Mar 92	6.5	0
	8-8	Refinery Waste Water (Oil-Water) Separators	Sep 04	2.1	0
	12-11, 12	Flare Monitoring & Minimization*	Jun 03 / Jul 05 / Apr 06	0.6	0
		All Others	n/a	1.5	0
			Subtotal	10.7	0
Other Control Measures	8-40	Prohibit Aeration of Petroleum Contaminated Soils	Dec 99	2.7	0
			Subtotal	2.7	0
Combustion of Fuels	9-7, 10	Boilers, Steam Generators & Process Heaters	Jan 94 / Sep 92	0	35.9
	9-8	Internal Combustion Engines	Jan 93 / Jul 07	0	27.5
	9-11	Electric Power Generating Boilers	Feb 94	0	17.5
	9-9	Control of Emissions from Stationary Gas Turbines	May 93	0	7.0
		All Others	n/a	0	5.7
			Subtotal	0	93.6
* SO2 emission reduction for flares was 0.9 tpd			TOTAL	69.9	93.6



October 19, 2009

Emission Reductions from Adopted Control Measures 1992-2008





Fuels

Refineries & Chemical Plants

Other

Bay Area Air Quality Management District Bay Area Emissions Trends Stationary Source Committee Meeting

Boilers, Steam Generators & Heaters Stationary IC Engines

Electric Power Generating Boilers

Turbines

Attachment

All Others Combustion Sources

October 19, 2009

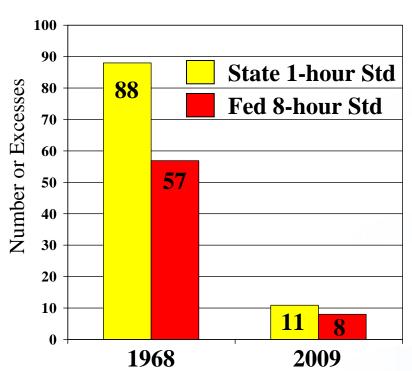
Agenda Item: 4

Slide 8

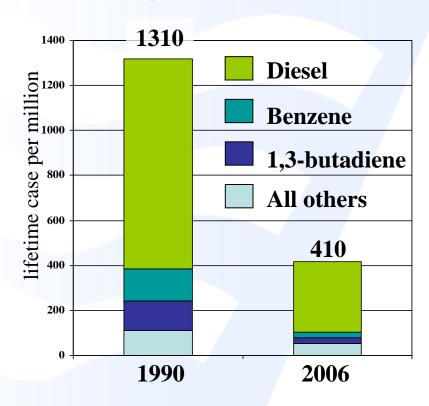


Trends in Air Quality Monitoring Data

Excesses of **Ozone Standards**



Cancer Risk





Bay Area Air Quality Management District Bay Area Emissions Trends Stationary Source Committee Meeting