



**BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT**

*Committed to Achieving Clean Air to Protect
the Public's Health and the Environment*

Review, Overview, and Next Steps

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Bay Area Air Quality Management District

CARE Task Force Meeting

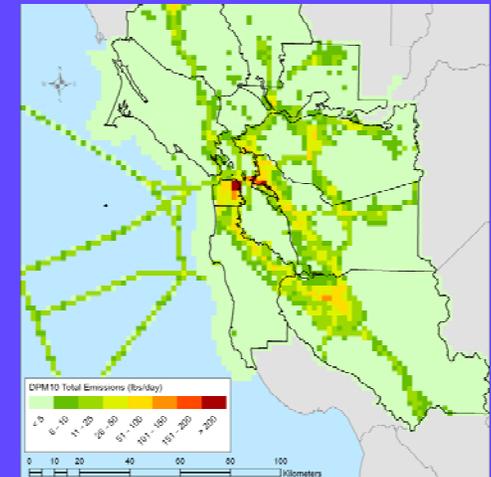
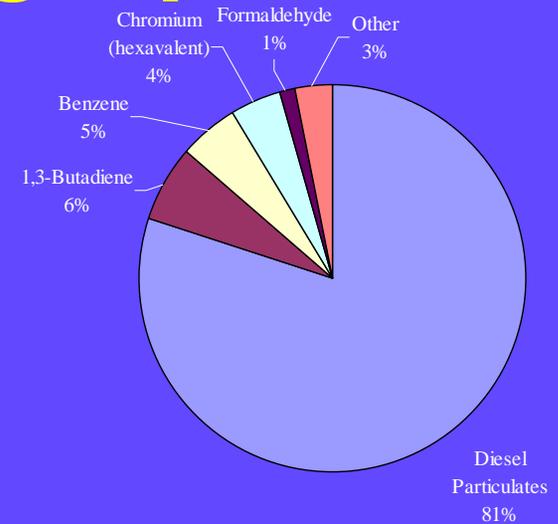
October, 31 2006

Outline

- Review Phase I Findings & Issues
- CARE Timeline
- Overview of Today's Presentations
- Next Steps

Phase I Findings: Emissions & Demographics

- Diesel PM emissions about 80% of cancer-risk-weighted emissions
- Acrolein about half of chronic, non-cancer risk
- Acrolein also about 90% of acute risk
- Locations of highest risk correspond to sensitive populations



Phase I Issues & Questions

- **Comparison of TAC Emissions to Ambient Measurements**
- **Diesel PM Emissions from Construction Equipment**
 - **More findings suggest that construction diesel PM emissions may be overestimated**
 - **Emissions vs. ambient concentrations**
 - **Diesel fuel consumption: actual vs. modeled**
- **Updates to Carl Moyer Maps**

CARE Timeline

Phase I	Phase II	Phase III
Preliminary TAC Emissions	Refine TAC Emissions	
	Enhanced Measurements	Enhanced Measurements
	Local, Regional Scale Modeling	
		Exposure Analysis
Mitigation Measures	Mitigation Measures	Mitigation Measures

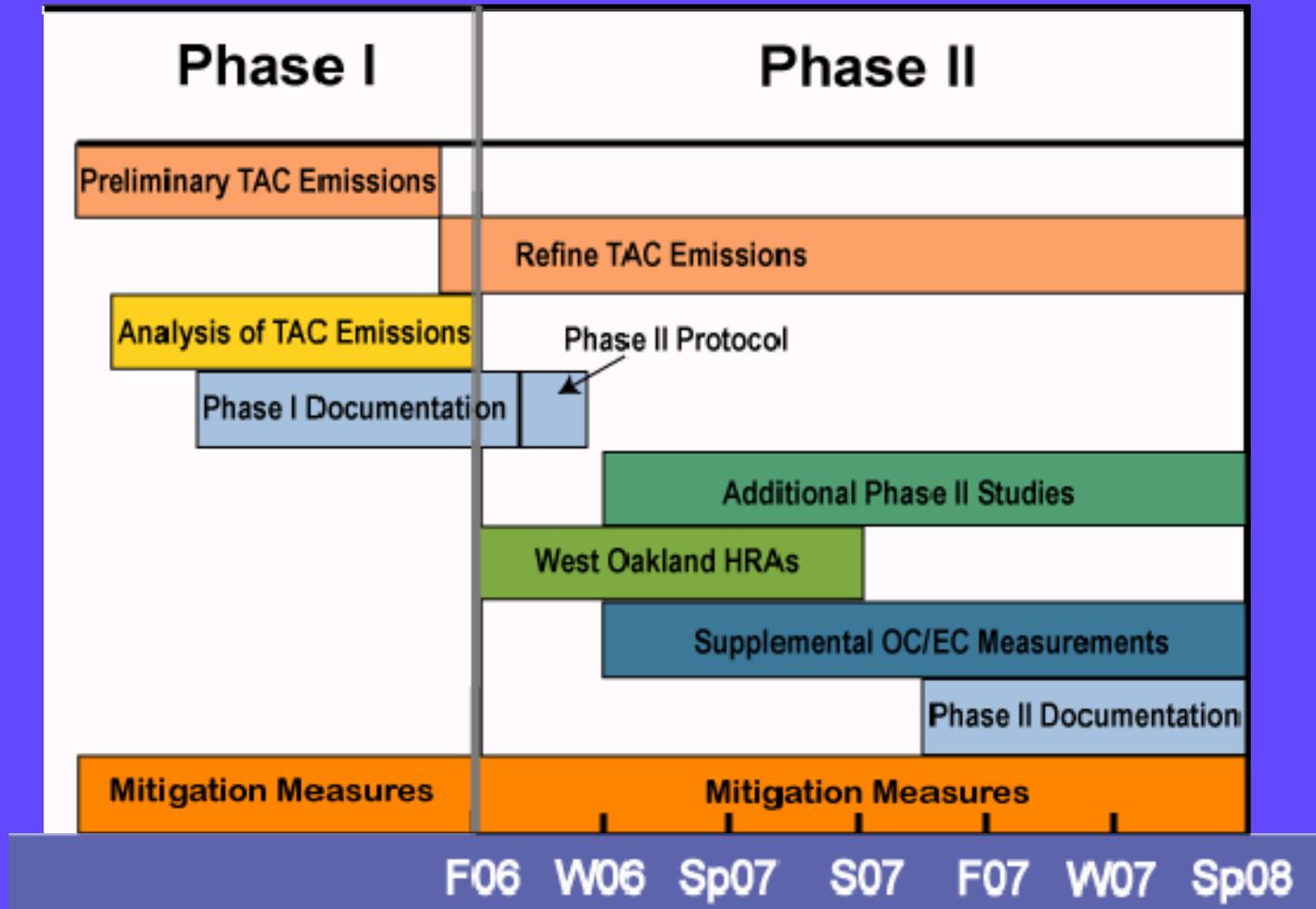
Spring '04

Fall '06

Spring '08

Fall '09

CARE Phase II Timeline



Today's Presentations

- Year 8 Carl Moyer maps
- Comparison of TAC emissions to Measurements
- Health Risk Assessments (HRAs) in West Oakland

Next Steps

- **West Oakland HRAs**
- **Develop local-scale inventory for West Oakland focused on diesel PM**
- **Refine emissions inventory for Bay Area**
- **Additional EC/OC measurements, including West Oakland**

Next Steps

- **Complete write-up for Phase I**
 - technical findings
 - previous studies to guide Phase II
- **Continue community outreach**
- **Develop additional targeted mitigation measures**