

Compendium of PowerPoint Slides: CONCUR and Port of Oakland Slides

Port of Oakland Maritime Air Quality Improvement Plan
Task Force Meeting
June 11, 2007

Agenda: June 11, 2007 Task Force Meeting

- 3:45 Welcome
- 4:00 Agenda Review and Introductions
- 4:25 Review Participant Roles
- 4:40 Review, revise and adopt Task Force Ground Rules
- 5:10 Updates on regulatory developments and planning schedule
- 5:30 Discuss and revise first-cut guiding principles and planning goals
- 6:05 Brainstorm and conduct coarse ranking of draft criteria for screening potential air quality measures
- 6:50 Break
- 6:55 Facilitation team reports ranking results
- 7:00 Comments and Suggestions from the Public
- 7:15 Wrap-up and Next Steps
- 7:30 Adjourn

Primary Meeting Objectives

1. Review participant roles; review, revise and adopt Task Force Ground Rules.
2. Provide background on the regulatory environment and planning schedule.
3. Discuss and revise draft guiding principles and planning goals.
4. Brainstorm and conduct coarse ranking of draft criteria for screening potential control measures.
5. Outline next steps in the MAQIP process.

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Participation Guidelines to Support a Productive Meeting

- Format is a mix of presentation and discussion; discussion will be focused primarily among Task Force members
- Please speak to today's agenda topics
- Be brief so that fellow Task Force members' viewpoints can be heard
- Speak to issues rather than personalities
- Consider other perspectives
- CONCUR and the Port of Oakland will digest and seriously consider today's questions and comments
- CONCUR will prepare a Key Outcomes Memorandum from the meeting, and will distribute it in 7-10 days.

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Introductions

- Co-Chairs
- Task Force members
- Port Technical Consultants
- Project Manager
- Facilitation Team

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Participant Charge and Roles

- Task Force Members
- Port of Oakland
- Bay Area Air Quality Management District (BAAQMD)
- Technical Consultants
- Facilitation Team

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Charge of the Task Force

Mr. Omar Benjamin
Executive Director
Port of Oakland



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Why We're Here

- Share Information
- Provide local knowledge
- Brainstorm on solutions
- Co-develop a Maritime Air Quality Improvement Plan that will:
 - Identify and prioritize emission reduction measures
 - Quantify expected air quality benefits
 - Set forth implementation framework
 - Serve as a master planning document



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Not Why We're Here

- To debate whether a Plan is useful
- To debate the merits of adopted laws & regulations
- To discuss actions not related to air quality
- To debate the merits of past Port actions
- To develop a regional air quality plan
- To adopt a final plan



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Planning Challenges

- 8 to 9 months of hard work
- Lots of material to cover
- Complex scientific, policy, and regulatory framework
- Overlapping schedules and deadlines



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Planning Opportunities

- A master planning document to guide the Port and its stakeholders for years to come
- A living document that can be updated and revised as needed – it doesn't have to be perfect right now



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Participant Roles: Task Force Members

- The Task Force will use a consensus-building model, seeking to build broad based agreement
- Members are requested to participate on ad-hoc Work Teams as needed
- Members are expected to actively participate in:
 - Proposing and review options
 - Ranking measures for consideration
 - Deliberating the merits of proposed actions
 - Contributing strategies for implementation, monitoring, and adaptive management

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Participant Roles: Port of Oakland

- The Board of Port Commissioners is responsible for approving the final content of the Plan.
- Port staff and Co-Chairs will provide periodic briefings to the Port Commission.
- Port staff are not formally appointed to the Task Force, but will actively participate in and support Task Force deliberations.

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Participant Roles: Bay Area Air Quality Management District

- BAAQMD will provide regulatory guidance and technical assistance.
- Where appropriate, BAAQMD will help leverage financial support for MAQIP implementation.

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Participant Roles: Port Technical Consultants

- Consultants will attend Task Force meetings, Community Workshops, and Work Team meetings as appropriate.
- Consultants will provide technical consultation at Task Force meetings.
- Primary responsibility is technical advising to Port staff.

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Participant Roles: Facilitation Team

- Facilitators are non-partisan, have no stake in any particular recommendations or outcomes, but are committed to helping the Task Force complete its work.
- Facilitators will work with Co-Chairs and help the Task Force accomplish its work in an effective and efficient manner.
- Facilitators will prepare process documents and guide meetings. This will include making judgment calls to guide the process, and using tools such as straw voting from time to time.
- Facilitators will support development of Plan documents

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Proposed Ground Rules

- Process to review, revise and adopt Ground Rules
- Review of content:
 - Nomination, Recruitment, and Representation
 - Participation and Collaboration
 - Commitment to Process
 - Task Force Decision Rules
 - Multi-interest Work Teams
 - Media Contact
 - Public Comment
 - Information Sharing and Joint Fact-Finding
 - Role of Facilitation Team

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Regulatory Update

Mr. Till Stoeckenius
Environ International Corporation



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Air Emissions Sources at the Port

- Ocean Going Vessels
- Harbor Craft
- Cargo Handling Equipment (CHE)
- Trucks
- Trains
- Construction



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What's Emitted

<u>Criteria Pollutant</u>		<u>Impact</u>
Diesel Particulate Matter (DPM)	➔	Local
Nitrogen Oxides (NOx): can contribute to ozone and PM formation	➔	Regional

Other regulated pollutants:

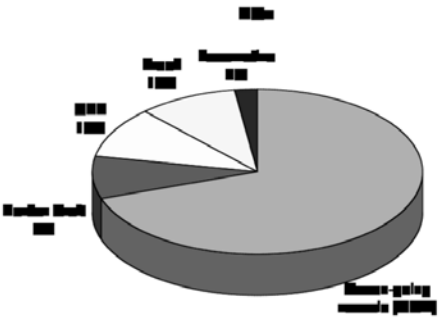
- Sulfur Oxides (SOx)
- Reactive Organic Gases (ROG)
- Carbon Monoxide (CO)
- Non-Diesel PM



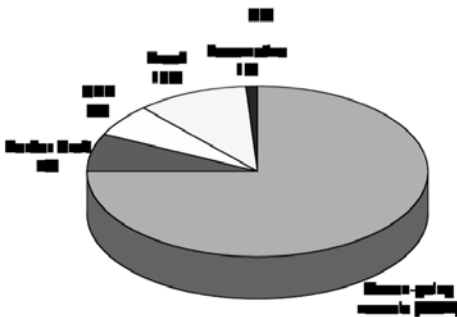
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2005 Port Emissions



NOx

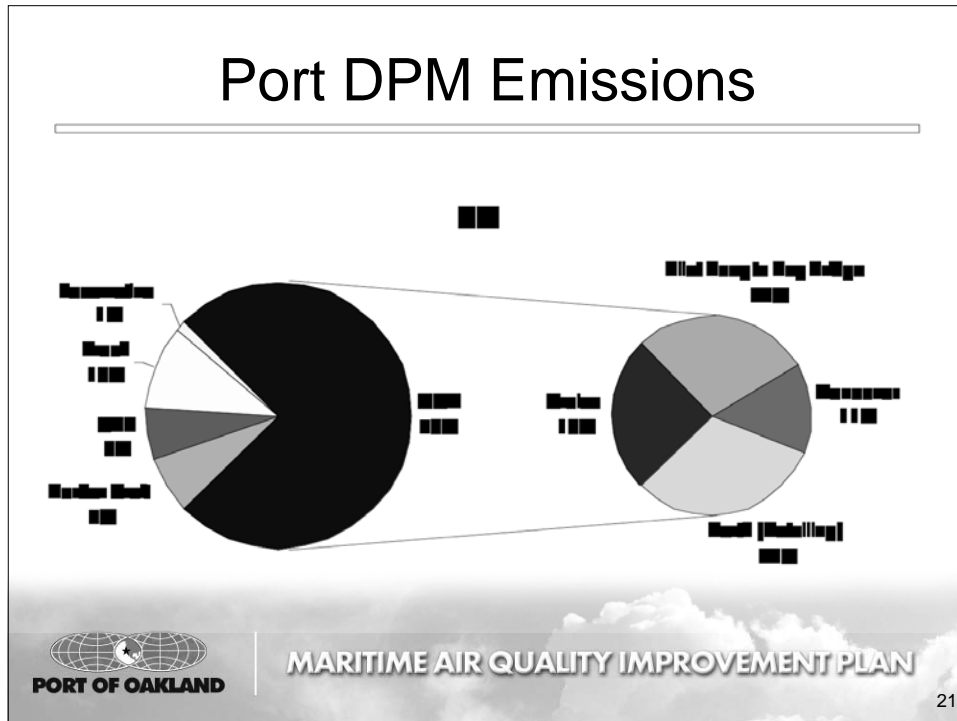


Diesel PM



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- ## Regulating Agencies
-
- U.S. EPA
 - Federally preempted mobile sources
 - ARB
 - Mobile sources covered by State wavier
 - BAAQMD
 - Stationary sources
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Adopted Regulations

- **Ships**
 - ARB auxiliary engine low sulfur fuel rule
- **Harbor Craft**
 - EPA new engine standards
 - ARB low sulfur fuel rule
- **Cargo Handling Equipment**
 - CARB cargo handling equipment and low sulfur fuel rules
 - EPA/ARB non-road diesel engine standards



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Adopted Regulations (cont.)

- **Trucks**
 - ARB on-road heavy-duty truck emission standards
 - ARB ultra-low sulfur fuel rule
- **Locomotives**
 - EPA emission standards (Tier 0, 1, 2 engines)
 - ARB/Railroad MOU idle reduction
 - ARB in-state low sulfur fuel rule



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Proposed Regulations

- Ships
 - EPA marine diesel engine rules
 - ARB main engine low sulfur fuel rule
 - MARPOL Annex VI SECA (1.5% Sulfur fuel requirement)
- Harbor Craft
 - ARB in-use harbor craft rule
 - EPA tier 3 & 4 engine standards



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Proposed Regulations (cont.)

- Trucks
 - ARB port truck rule
- Locomotives
 - EPA tier 3 & 4 engine standards
- Construction Equipment
 - ARB in-use off-road diesel vehicle regulation



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Additional Proposed Regulations

- ARB cold ironing rule
- BAAQMD Green Ports Initiative
- Others



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Planning Phases & Schedule

Ms. Delphine Prévost
MAQIP Project Manager
Port of Oakland



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MAQIP Planning Phases

- Prepare Foundation Elements
- Develop Options and Conduct Analysis
- Complete and Assemble Plan



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Prepare Foundation Elements

- Principles, goals and objectives
- Control measure screening and evaluation criteria
- MAQIP scope (time period, pollutants, geographic region)
- Define baseline and future Port activity & emissions
- Table of Contents



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Develop Options & Conduct Analysis

- List air quality measures for screening
- Apply screening → “short list” of measures
- Quantitative evaluation & prioritization of “short list” measures
- Develop and recommend implementation and monitoring strategies



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Complete and Assemble Plan

- Plan document: Draft → revise → Final
- Board of Port Commissioners approval



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MAQIP DEVELOPMENT TIMELINE									
	2007							2008	
	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Principles, goals, objectives	▲								
Evaluation criteria	△		▲						
Scope (planning horizon, pollutants)			▲						
Future port activity scenarios			△	▲					
Table of Contents			△	▲					
Plan Introductory and background sections			△	▲					
List measures for screening			▲						
Screening results (short list)				▲					
Quantitative evaluation and prioritization results						▲			
Implementation and monitoring strategy						△	▲		
Draft & Final document							△	▲	
Board approval									▲

△	Review/Discuss
▲	Final Comments

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Guiding Principles and Goals

Introductory Remarks by: Mr. Omar Benjamin
 Executive Director
 Port of Oakland



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Draft Guiding Principles and Planning Goals: Introducing discussion

- Purpose:
 - Discuss and revise draft Guiding Principles and Goals.
- How the results of the discussion will be used:
 - Port staff and consultants will digest these comments and come back to the second meeting with revised guiding principles and goals for adoption.

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Draft Guiding Principles

- Seek Economic Growth
- Promote Environmental Stewardship
- Apply Concept of “Fair Share”
- Exercise Authority
- Engage Stakeholders
- Promote Environmental Justice
- Build Knowledge



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Draft Guiding Principles: Questions to Guide Discussion

- Which principles should be revised to make them more clear and useful?
- Which additional planning principles should be added?
- Should any of the proposed planning principles be deleted?

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Draft Goals

1. Define and discuss the geographic boundaries of seaport emission sources and the affected surrounding areas.
2. Define and discuss targeted pollutants, emission reduction goals, and performance milestones.
3. Identify a 'menu' of candidate air emission reduction measures.
4. Develop quantitative estimates of benefits and costs.
5. Set forth a framework for prioritizing emission reduction measures.
6. Identify implementation, monitoring, and reporting strategies.



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Draft Planning Goals: Questions to Guide Discussion

- Which goals should be revised to make them more clear and useful?
- Which additional planning goals should be added?
- Should any of the proposed planning goals be deleted?

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Parameters of the MAQIP

- Measures may be modified or replaced over time to account for a changing economic, regulatory, or technological context.
- Development projects discussed in the MAQIP may not be implemented, if Port maritime development plans change.
- Primary focus of the MAQIP is the seaport (for emissions) and West Oakland (for impacts).
- MAQIP elements may be subject to CEQA review.
- If the Port is required to file an air quality plan with an oversight agency, that plan may be the MAQIP or may be an alternate document that meets the regulation's legal requirements.



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Screening & Evaluation Criteria for Air Quality Measures

Ms. Delphine Prévost
MAQIP Project Manager
Port of Oakland



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Introduction to Criteria

- Screening Criteria
 - First step in evaluating potential measures
 - Applied to determine which potential measures are included in the Plan
- Evaluation Criteria
 - Second step in evaluating potential measures
 - Applied to prioritize Plan measures for implementation



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Discussion and Ranking of Screening Criteria

- Purpose:
 - First opportunity for Task Force members' to express preferences on criteria for evaluating air quality measures
- How the results will be used:
 - Port staff and consultants will digest these comments and come back to the second meeting with revised screening criteria for adoption. These criteria will then be used by the Task Force to evaluate potential air quality measures.

Steps in the Criteria Brainstorming and Ranking Exercise

- Review draft list of screening criteria; brainstorm additions
- Facilitators consolidate the list in preparation for "dot voting":
 - Flip charts display candidate items.
 - Primary Task Force members may discuss with alternates in advance of ranking.
 - Task Force members are invited to express their preferences by placing dots on the flip charts next to preferred list items.
 - Each Task Force member will be given 10 dots, and may place 0-4 dots on any one list item.
 - The total number of dots next to each list item will indicate an initial group preference for the item.
- Facilitation team will compile the dot voting results during a short break, then report results

Draft Screening Criteria

- Duplication
- Health Benefits
- Location
- Practicality
- Affordability
- Acceptability
- Negative Side Effects



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Break and Reporting Ranking Results

- During the break, the facilitation team will compile the ranking results
- After the break, the facilitation team will report the ranking results

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Public Comments

Guidance for Participation:

- Link comments to substantive agenda topics:
 - Regulatory Developments & Planning Schedule
 - Guiding Principles and Planning Goals
 - Screening Criteria for Potential Air Quality Measures
- Please provide brief comments to allow expression of multiple viewpoints

Wrap-up and Next Steps

- Brief overview of today's progress
- Confirm Task Force alternates
- Outline topics for next meeting
- Schedule next meeting
- Transmit Key Outcomes Memorandum and Task Force Roster