



Public Meeting to Discuss Related Fuels Items

Marine Fuel Items

**Paul Milkey
Staff Air Pollution Specialist**

**Sacramento, California
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Outline

- ◆ Harbor Craft/Locomotive Fuels Regulation
- ◆ Ship Auxiliary Engine Proposal
- ◆ Evaluation of SECA
(Sulfur Emission Control Area)

Harbor Craft/Locomotive Fuels Regulation

- ◆ Approved November 18, 2004
- ◆ Additional comment period provided for “15-day changes”
- ◆ Will be submitted to OAL for review later this month.



Harbor Craft/Locomotive Fuels Regulation

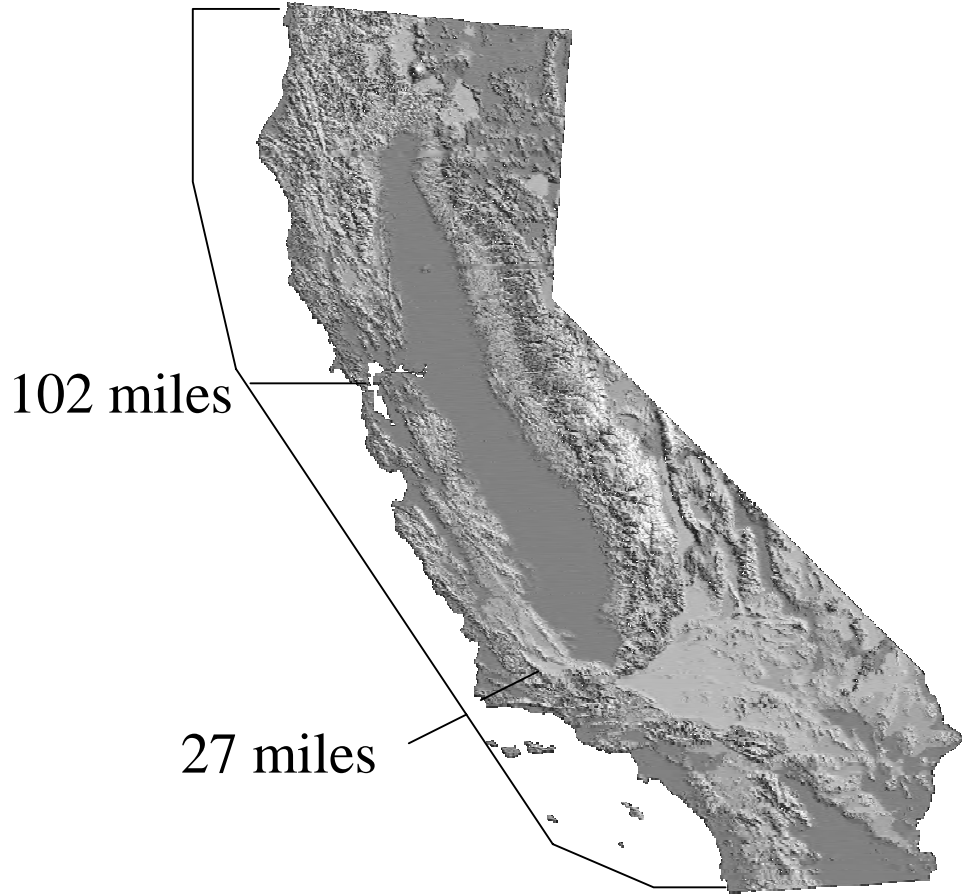
- ◆ Requires the use of CARB diesel on January 1, 2007 (1/1/06 for harbor craft in the SCAQMD)
- ◆ CARB diesel already used by ferries and in the CA North Coast
- ◆ Will reduce NO_x and PM emissions and allow for retrofit controls

Ship Auxiliary Engine Proposal

- ◆ Proposal under development
 - next workshop expected in April
 - scheduled for 11/05 Board Hearing
- ◆ Applies to auxiliary engines on oceangoing ships travelling in CCW
- ◆ Excludes most main engines, boilers, & gas turbines



California Coastal Waters



Ship Auxiliary Engine Proposal

- ◆ Step 1: Cleaner fuels for all vessels
 - 0.2% sulfur MGO in 2006
 - 0.1% sulfur MGO in 2008
- ◆ Alternative Compliance Plan
 - Voluntary option in lieu of cleaner fuel
 - Submit ACP for prior approval

Ship Auxiliary Engine Proposal

- ◆ Step 2: Further reductions from frequent visitors (5 visits/yr)
 - Must submit “Vessel Emission Reduction Plan”
 - Plan must achieve additional 50% reduction in both PM & NO_x by 2010
 - This may be developed separately from Step 1: Cleaner fuels

Sulfur Emission Control Area

- ◆ IMO allows for the creation of a SECA with a limit of 1.5% sulfur limit for ship fuels
- ◆ U.S. EPA lead in evaluating the creation of a No. America SECA
- ◆ ARB assisting EPA in evaluation of environmental & economic effects