

South Coast Air Quality Management District

**Stakeholder Working Group Meeting
June 17, 2008**

**Proposed Rule 2301
Control of Emissions from New or
Redevelopment Projects**



Baseline Emissions Inventory

PR 2301

Baseline Inventory Methodology

- Identify source categories affected by PR 2301
- Assessment of emission contribution to PR 2301 by each source category
- Calculation of emissions with and without other AQMP short term measures
- Estimate emission growth between 2010 and 2014/2023

PR 2301 Source Categories (see Attached)



Update on PR 2301 Approaches

Why PR 2301

- Due to the “All Feasible Measure” Statute Requirements, SCAQMD Must Consider SJVAPCD Rule 9510 Exemption Threshold
- 2007 SIP Commitment

Why PR 2301 (cont.)

Comparison of Reductions Needed

	<u>SJVAPCD</u>	<u>SCAQMD</u>
PM2.5 (2014)	23%	29%
Ozone (2023)	46%	76%

Why PR 2301? (cont.)

2007 AQMP Commitment for ISR Measures

	<u>SJVAPCD</u>	<u>SCAQMD</u>
PM10	5.2 (50%)	-
PM2.5	-	0.5
NOx	4.1 (33%) ¹	0.8
VOC	-	0.5

¹ Rule 9510 Was Adopted Prior to CARB Off-road Fleet Rule



Summary of Mitigation Approaches

Option 1

SJVAPCD - Fees

Key Elements

- Air Impact Assessment application required for projects that exceed threshold (2 tons of NOx or 2 tons of PM10 per year)
- Project proponents required to reduce NOx emissions 33% below operational baseline (one year)
- Project proponents required to reduce PM10 emissions 50% below operational baseline (one year)
- Mitigation Fees required if not meeting the % reductions

Option 1

SJVAPCD Threshold Comparison

Project Type	SJVUAPCD*	SCAQMD (2010)**
Residential units	50	80
Commercial space (sq ft)	2,000	70,000
Light industrial space (sq ft)	25,000	100,000
Heavy industrial space (sq ft)	100,000	410,000
Medical office or recreational space (sq ft)	20,000	25,000
General office space (sq ft)	39,000	45,000
Educational space (sq ft)	9,000	35,000
Government space (sq ft)	10,000	15,000

*URBEMIS version 7.8.0 ** URBEMIS version 9.4.2

Option 2

AQMD Staff – Menu of Options

Key Concepts

- Applicability:
 - = VOC, NO_x, PM_{2.5}; ≠ GHGs
 - AQ analysis required for projects that exceed threshold (2 tons of NO_x or 2 tons of PM_{2.5} per year)
- Requirements: Project proponents select from a list of predetermined mitigation measures focusing on on-site mitigation for energy consumption and VMT reductions
- AQMD rule compliance independent of lead agency CEQA certification

Option 2

AQMD Staff– Menu of Options

(cont.)

Example:

- Three Thresholds
(The following project size and number of measures to be selected are for illustration purposes)
 - 1) 0 – 10 TPY - Core Design Features Package
 - 2) 10 – 25 TPY – Core Design Features Package
Plus Mitigation Measures Package
 - 3) Over 25 TPY – Core Design Features Package
Plus Mitigation Measures Package
Plus Enhanced Mitigation Measures Package

Option 2

AQMD Staff– Menu of Options

(cont.)

- Core Design Features Package
 - Basic program elements required for all projects
 - Comply by implementing 2 Energy, 3 Transportation, and 1 Other (Area Source) mitigation measures
 - Can substitute other LEED Energy strategies worth 5 points for Energy mitigation measures

Option 2

AQMD Staff– Menu of Options

(cont.)

- Mitigation Measures Package
 - Core Design Package plus:
 - Select 3 Energy and 3 Transportation mitigation measures from a predetermined list or pre-approved equivalent mitigation measure(s)
 - Can also comply with Energy mitigation measures by exceeding Title 24 by 10% or demonstrating equivalent LEED Energy Points

Option 2

AQMD Staff– Menu of Options

(cont.)

- Enhanced Mitigation Measures Package
 - Core Design Package & Mitigation Measure Package plus
 - Select 3 Energy Mitigation Measures
 - For Transportation, select 1 mitigation measure for Residential projects, 3 measures Commercial/Industrial projects
 - Can also comply with Energy mitigation measures by exceeding Title 24 by 20% or demonstrating equivalent LEED Energy Points
 - Project proponents can apply for substitution

Next Steps

- Key Issues
- Identify tasks for next meeting
- Next meeting?

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- Proposed Rule 2301
<http://www.aqmd.gov/rules/proposed/2301/index.html>