

# AB 118 Air Quality Guidelines

Public Workshop  
Sacramento, CA  
June 20, 2008



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## Overview

- Summary of AB 118
- Air Quality Guidelines
  - Overview
  - Regulatory Concepts
  - Schedule and Contact Info

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## AB 118 Background

- AB 118 (Nunez, 2007) creates three new incentive programs for air quality and alternative or renewable fuels
- ~\$200M available annually through 2015
- Implemented by CEC, ARB, and BAR

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## AB 118 Programs

- Alternative and Renewable Fuels and Vehicle Technology Program
  - \$120M/year CEC program for clean fuels and vehicle technology to address climate change
- Air Quality Improvement Program (AQIP)
  - \$50M/year ARB program for vehicle technologies that reduce criteria and toxic emissions
- Enhanced Fleet Modernization Program
  - \$30M/year BAR program for light- and med-duty vehicle retirement

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## AB 118 Guidelines

- Four new guidelines under development
  - To be adopted as regulations

Guideline	Adopting Agency	Adoption Date
Air Quality Guidelines	ARB	Sep 08
CEC Program Guidelines	CEC	Dec 08
ARB Program Guidelines	ARB	Spring 09
BAR Program Guidelines	ARB	Spring 09

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## Air Quality Guidelines

- Ensure programs do not adversely impact air quality
  - Apply to ARB and CEC programs
  - Address criteria pollutants and air toxics
- Include GHG's as evaluation criteria
  - Complement existing climate change efforts
- Require full fuel cycle analysis
- Requirements apply to funding agencies (CEC and ARB)

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### Air Quality Guidelines: Project Types

- Required to do analysis
  - Vehicle and equipment projects
  - Fuel projects
  - Research projects involving construction or intent to sell
- Exempt from analysis
  - Workplace training
  - Research, excluding above
  - Demonstration designed to evaluate air quality impacts

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### Air Quality Guidelines: Vehicle and Equipment Projects

- Compare certified or verified emissions
  - New vehicle emissions must be less than or equal to baseline vehicle
- Compare fuel-vehicle pathways
  - New vehicle carbon intensity less than or equal to baseline fuel-vehicle pathway
  - Based on full fuel cycle analysis
  - Methodology and inputs defined by LCFS

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### Air Quality Guidelines: Vehicle and Equipment Projects

- Additional provisions
  - Emerging technologies
    - No certification/verification
    - Demonstration of no emissions disbenefit
  - Certification/verification
    - Standards or verification may not include all pollutants
    - Emissions determined by standards or verification level

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### Air Quality Guidelines: Fuel Projects

- Compare proposed fuel to reference fuel
  - Fuel pathway cannot exceed the average emissions from reference fuel
  - Full fuel cycle inputs and methodology from LCFS
  - Maximize carbon reductions
- Meet fuel specifications
  - Must comply, if available
  - Alternative diesel must be verified

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### Air Quality Guidelines: Fuel Projects

- Comply with applicable environmental review and implement recommended mitigation strategies
  - Follow applicable federal, state, or local permitting or licensing requirements
  - Air quality impacts and mitigation resolved at the project level
  - Commit to implementing all recommended air pollution mitigation strategies

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### Air Quality Guidelines Local Health Impacts

- All projects
  - Include environmental justice criteria
- Infrastructure projects
  - Selected and approved in public meeting
  - Report on environmental justice implications

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## Air Quality Guidelines Recordkeeping

- Keep records to demonstrate compliance with Guidelines
- Make available within 30 days

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## For More Information

- ARB's AB 118 website  
– <http://www.arb.ca.gov/msprog/aqip/aqip.htm>
- ARB's AB 118 list serve  
– <http://www.arb.ca.gov/listserv/aqip.htm>
- Energy Commission's AB 118 website  
– <http://www.energy.ca.gov/ab118/index.html>

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## ARB Contacts for Air Quality Guidelines

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- Dean Simeroth** – Chief, Criteria Pollutants Branch, LCFS  
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Comments and Discussion

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