


2016 Plan for the 2008 8-hour Ozone Standard

Public Advisory Workgroup

August 25, 2015



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Purpose of Workgroup

- Hear perspective and receive input for plan from all affected stakeholders and subject matter experts
- Provide committee members with tools to reach out to constituents that you represent
- Provide forum for discussion/suggestions before each plan milestone is completed



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Guiding Principles

- Utilize effective means to get input from all affected stakeholders and subject matter experts in the design of the plan
- Provide for public engagement before each plan preparation milestone
- Provide routine updates to the public at large about the plan as it is developed
- Ensure efficiency and effectiveness by using existing infrastructure for public engagement
- Ensure process does not impede District's ability to meet legally mandated deadlines and timeliness



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### Public Advisory Workgroup (PAW) Meetings

- Meeting(s) before each plan preparation milestone:
  - Emissions inventory
  - Establish magnitude of reductions needed for attainment
  - Regulatory strategies/control measures
    - Identify current and future control measures
    - Assess technological & economic feasibility, and health benefits
    - Advancing technologies not yet available (black box)
  - Possible incentive-based strategies
    - Existing funding
    - Additional funds needed
    - Potential spending opportunities



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### General Public Engagement

- Public workshops
  - Public workshop in May 2014
  - Additional workshops until adoption
- Public meetings
  - Regular updates at Governing Board, CAC, and EJAG meetings
- CAC and EJAG members provided with tools and encouraged to reach out to constituencies that they represent
- Free and paid media to inform the public, enlist participation and build understanding



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### 8-hr Ozone Plan

- 2008 8-hour ozone standard (75 ppb)
- Due to EPA July 2016
- Attainment deadline: 2031
- Valley classified as “Extreme” nonattainment
- Meeting the standard will be extremely challenging for the Valley



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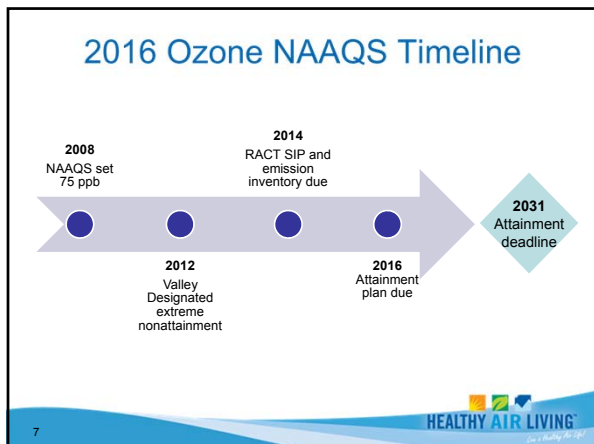
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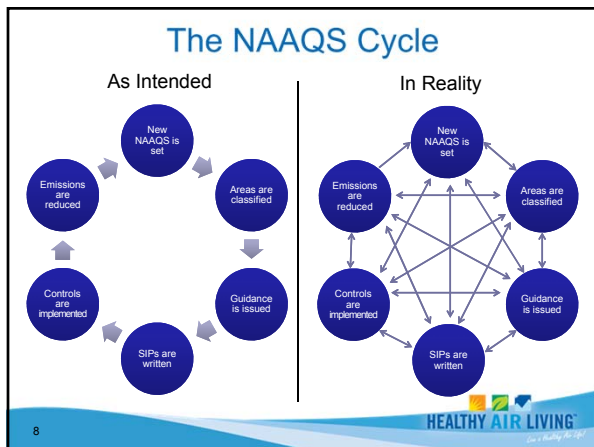
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- ### Plan Development Process
- Each new plan builds upon previous plans
  - Ongoing scientific research establishes the plan's foundation
    - Research areas: atmospheric chemistry, emissions inventory, control technologies
  - Thorough staff analysis spans many months/years
  - Extensive public process
    - Public workshops; meetings with stakeholder groups; presentations to the Governing Board, CAC, and EJAG
- HEALTHY AIR LIVING

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### Core Plan Components

- **Emissions Inventories (current and future)**
- **Future Air Quality Projections (Attainment Demonstration)**
- **Control Strategies (Regulatory, Incentives, Public Outreach)**
- Transportation Conformity Budgets
- Reasonable Further Progress (RFP) Demonstration
- Contingency Measures



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### Emissions Inventories

- Best available estimates of the amount of pollutants and precursors being emitted from each source type
  - Future-year inventories account for both growth and control
- Inventories continuously improved
- Plan's inventory is a snapshot reflecting best information at the time for use in modeling & control measures evaluation
- District coordinates closely with ARB to ensure accuracy



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### Future Air Quality Projections (Attainment Demonstration)

- Air Quality Modeling: Provides a projection of emissions reductions needed
  - Using thorough and sound science foundation, including California Regional Particulate Air Quality Study (CRPAQS)
- Weight of Evidence Approach: Utilizing variety of analytical tools to confirm results
- Ongoing District/ARB coordination and review process to discuss methodologies, results, related issues



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### Future Air Quality Projections (Attainment Demonstration)

- Air Quality Modeling:

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**HEALTHY AIR LIVING**  
Let's Breathe Right

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### Future Air Quality Projections (Attainment Demonstration) (cont'd)

- Photochemical Grid Model:

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**HEALTHY AIR LIVING**  
Let's Breathe Right

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### Control Strategies

- Build off aggressive control strategies recently adopted
- Several generations of stationary source control measures already in place – emissions reduced by over 80%
- Mobile sources comprise over 85% of Valley's remaining emissions
- Must continue to consider new control measure opportunities to ensure expeditious attainment
- Need thorough analysis of all potential technologies and practices:
  - Consider regulatory, incentive-based, and policy/legislative strategies
- Prioritize measures with optimum public health benefits

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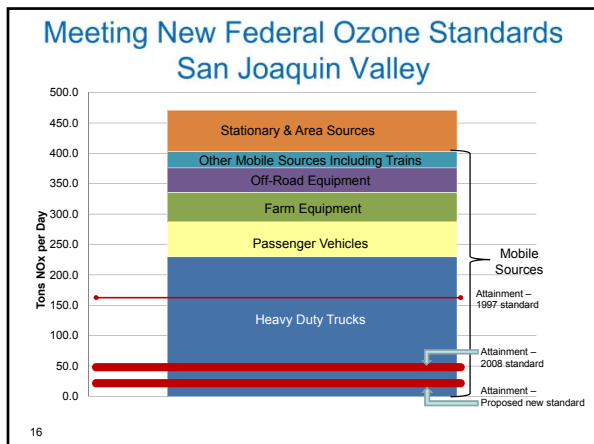
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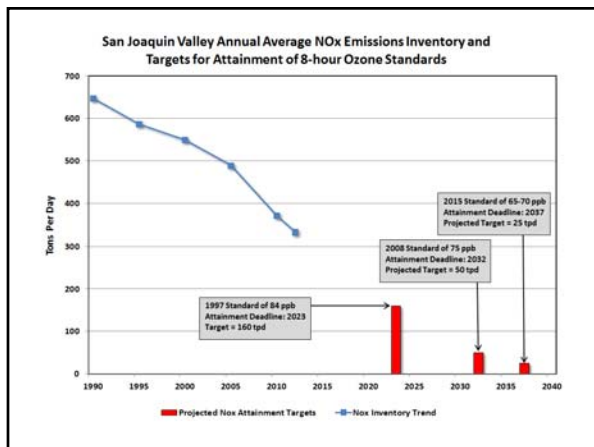
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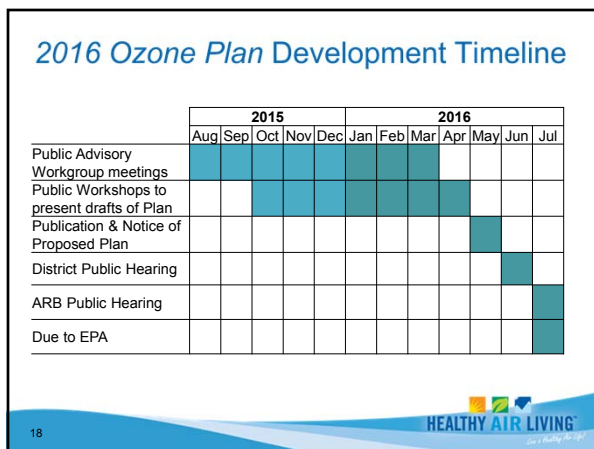
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### PAW Tentative Meeting Schedule

Date	Topic	Discussion Points:
August 2015	Kick-off meeting	Introductions, set goals, set timeline for PAW meetings
Third Qtr 2015	Emission Inventory Review	Review emission inventory process
	Attainment modeling and weight of evidence	Magnitude of reductions needed for attainment
Fourth Qtr 2015	Control Measures	Control measure analysis process, potential emissions reductions opportunities
First Qtr 2016	Incentives	Discuss funding issues, legislative efforts to secure more funding, distribution of funding
	Control Measures	Review progress on control measure analyses
	Closing meeting	Close any remaining open issues

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