

2017 Integrated PM2.5 Plan

Public Advisory Workgroup

Topic: ARB Mobile Source Measures

January 25, 2017



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Overview

- District preparing integrated attainment strategy that addresses multiple PM2.5 standards under the federal Clean Air Act
- Three attainment plans due between now and Fall 2017
 - 5% Plan due December 2016 due to EPA inaction for 1997 PM2.5 Standard
 - Attainment plan due August 2017 for 2006 PM2.5 Standard
 - Moderate plan due to EPA October 2016 for 2012 PM2.5 Standard (plan submitted by the District September 2016 and tabled for now by ARB)
- District must also adopt plan to address 2015 Ozone Standard (70 ppb) – NOx strategy critical to address both PM2.5 and Ozone standards
- Meeting the new standards requires enormous reductions in emissions, particularly from mobile sources



District and ARB Working Together to Prepare Integrated Plan

- District supported ARB Board action in October 2016 to table the Moderate plan and work on an integrated plan
- District testified in support and urged ARB to place greater focus on Valley's need for greater mobile source reductions
 - Federal Clean Air Act mandates greater reductions in San Joaquin Valley much earlier than climate change targets which have been the primary focus of ARB
 - Valley needs reductions in the 2019-2025 timeframe (post-2030 reductions proposed by ARB would be too late)
- District remains committed to leaving no stone unturned to find additional reductions from sources under our jurisdiction
- ARB staff report due in February, followed by District Board action on integrated plan in August



Public Advisory Workgroup (PAW)

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

PAW Meetings

- **Air Quality Modeling**
 - How modeling is conducted and importance for attainment planning
 - Modeling approach and key questions
 - Modeling results and attainment targets
- **ARB Mobile Source Measures for the San Joaquin Valley**
 - Current control strategy
 - Potential control measure options
- **District Stationary Source Measures**
 - Current control strategy
 - Potential control measure options
- **Incentive-based Control Measures**
 - Existing funding and incentive strategy
 - Need for additional incentive funding
- **Contingency Measures**
 - Requirements under federal Clean Air Act
 - Discuss control measures to withhold to satisfy contingency requirements



Integrated Plan Timeline

<p>December 2016</p>	<ul style="list-style-type: none"> • District scoping meeting • ARB workshop
<p>January – July 2017</p>	<ul style="list-style-type: none"> • 1-11-17: PAW Meeting (Discuss Modeling) • 1-25-17: PAW Meeting (Discuss ARB Mobile Source Measures for the San Joaquin Valley) • 2-9-17: PAW Meeting (Discuss District Stationary Source Measures) • Upcoming workshop in late February/early March (TBD)
<p>Ongoing</p>	<p>Updates at public meetings (Governing Board, Citizens Advisory Committee, Environmental Justice Advisory Group) with opportunities for public input</p>
<p>August 2017</p>	<p>District Governing Board public hearing to consider adoption of the proposed plan</p>

Pursue Expeditious Attainment

- 2006 PM2.5 Standard – Attainment Deadline 2019
- 2012 PM2.5 Standard – Attainment Deadline 2021
- ARB must provide mobile source reductions as expeditiously as possible
- District will not ask for an attainment deadline extension or a bump up to a classification with delayed attainment unless
 - Finding is made by District and ARB that all available and reasonable mobile and stationary control measures are not adequate to achieve attainment by the prescribed deadlines

District-Recommended Mobile Source Measures for ARB Consideration

- Revise Mobile Source Strategy to include measures that reduce mobile sources emissions of NO_x, directly emitted PM_{2.5}, SO_x, and black carbon in the Valley within the 2019-2025 timeframe
- Enhance public fleet regulations to allow for near-zero emissions technologies to achieve near-term reductions
- Add San Joaquin Valley to areas of focus for fuel cell technology development and deployment
 - Valley essentially ignored under current State strategy



District-Recommended Mobile Source Measures for ARB Consideration (cont'd)

- Recognize Valley's need for near-zero emissions technologies that can provide reductions in the more immediate timeframe (2019-2025)
 - Allow for and encourage use of natural gas that can serve as a bridge to renewable gaseous fuels
- Do not overly relax State's portable engine regulation beyond what is necessary to accommodate unavailability of compliant portable engines
- Reduce direct PM_{2.5} emissions from mobile sources, including brake wear, tire wear, and diesel particulate matter emissions sources



District-Recommended Mobile Source Measures for ARB Consideration (cont'd)

- Provide incentive funding to replace heavy-duty diesel trucks
- Provide incentive funding to replace locomotives
- Provide incentive funding to replace light-duty vehicles
- Provide incentive funding to replace construction and other off-road equipment
- Provide incentive funding to replace agricultural equipment
- Provide incentive funding to provide infrastructure for zero and near-zero passenger and goods movement technologies



Additional District-Recommended Measures for ARB Consideration

- Provide incentive funding to replace residential wood-burning devices in the San Joaquin Valley
- Request that ARB adopt point-of-sale particulate emissions standards for residential wood/pellet burning devices

Additional Information

- Up-to-date information available at www.valleyair.org/integrated-pm25-plan
- PM Plans email sign up available at <http://www.valleyair.org/lists/list.htm>
- Receive email updates on the development of this plan and future air quality attainment plans
- Email comments to airqualityplans@valleyair.org

