



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Draft Program Environmental Impact Report

2017 Clean Air Plan: Spare the Air, Cool the Climate

Public Comment Meeting

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Presentation Overview

1. Bay Area Air Quality Management District
2. Project Description: 2017 Clean Air Plan - Spare the Air, Cool the Climate
3. California Environment Quality Act (CEQA)
4. Environmental Impact Report (EIR) Analysis and Findings
5. Opportunities to Comment



Bay Area Air Quality Management District



About the Air District

- Established in 1955
- 101 cities & 9 counties, 7.5 million people
- Mission: To protect and improve public health, air quality, and the global climate

California Clean Air Act

- Requires regions to prepare plans for areas not attaining air quality standards for ozone
- Bay Area plan was first adopted 1991, and revised in 1994, 1997, 2000, 2005, and 2010



Project Description: 2017 Plan Spare the Air, Cool the Climate

Multi-pollutant plan to update the 2010 Clean Air Plan

- Components:
 - State-mandated ozone plan
 - Multi-pollutant “all feasible control measures” approach
 - Regional Climate Protection Strategy
 - Measures aligned with nine economic sectors, consistent with ARB’s 2014 Scoping Plan Update
- Lays out a bold vision for the Bay Area in 2050, with a thriving economy, equitable access to healthy air, and healthy, secure environment.
- Sets us on a path to 2050 by laying out specific actions the Air District will take in the next 3-5 years



Project Description: 2017 Plan Spare the Air, Cool the Climate

A video describing the vision of the 2017 Clean Air Plan is available here:

<https://vimeo.com/201941319>



Project Description: 2017 Plan Spare the Air, Cool the Climate

Proposes a comprehensive strategy of 85 measures for the next 3-5 years to move us towards that vision by:

- Reducing ozone and fine particles throughout the region
- Reducing air toxics in impacted communities to address health inequities
- Reducing greenhouse gases (GHGs) towards Air District's and California's long-range targets
 - 40% below 1990 levels by 2030
 - 80% below 1990 levels by 2050

Uses all available tools: rules, grants & incentives, partnerships, local government collaboration, community engagement, and research



2017 Plan Approaches by Sector

Stationary Sources (40 Control Measures [CMs])

- Reduce emissions in all industries
- Residential furnaces
- Eliminate leaks, especially methane and F-gases

Transportation (23 CMs)

- Reduce VMT
- Improve transit
- Support electrification
- Reduce travel demand and promote efficiency

Energy & Buildings (6 CMs)

- Decrease energy use
- Increase energy efficiency
- Decarbonize electricity & buildings



2017 Plan Approaches by Sector

Waste & Water (5 CMs)

- Decrease waste
- Increase composting
- Decrease emissions from landfills/composting
- Reduce water use through best practices and model ordinances

Agriculture & Natural and Working Lands (7 CMs)

- Increase carbon sequestration through soil management, habitat restoration, and planting trees

Super-GHG (Short-Lived Climate Pollutants) (3 CMs)

- Reduce methane from landfills and farming, and black carbon from wood burning and diesel emissions
- Develop a GHG air monitoring plan for the Bay Area



2017 Plan Emission Reductions

Benefits of the 2017 Plan

Estimated Pollutant Reductions (lbs/day)	
Reactive Organic Gases	23,224
Nitrogen Oxides	17,671
Fine Particulate Matter	5,895
Sulfur Dioxide	16,695
Ammonia	1,641

Estimated Greenhouse Gas Reductions

- 5.6 million metric tons carbon dioxide equivalent per year*

** Calculated using 20-year Global Warming Potentials*



California Environmental Quality Act

CEQA

Purpose: To provide information to decision-makers and the public about potential environmental impacts of a proposed project or plan

Agencies must:

- Mitigate significant impacts to the extent possible
- Consider alternatives, including a no project alternative



CEQA Process

Initial Study released July 2016 identified topics for further analysis in an Environmental Impact Report (EIR):

- Air Quality
- Greenhouse gases
- Hazards & hazardous materials
- Hydrology and water quality
- Noise
- Transportation & traffic
- Utilities & service systems
- Mandatory findings of significance



CEQA Process

Environmental Impact Report (EIR)

- Program EIR
 - Used for agency plans, policies or regulatory programs that include a series of related actions
 - Detailed analysis of specific measures provided when enough information was available
- EIR analysis grouped control measures:
 1. Regulatory actions
 2. Grants & incentives
 3. Technical support, advocacy, and outreach



Significant Environmental Impacts?

No significant impacts were found related to:

- Air Quality
- Greenhouse Gases
- Hazards and Hazardous Materials
- Noise
- Transportation & traffic
- Utilities & service systems
- Mandatory findings of significance



Impact: Hydrology & Water Quality

Water demand is a significant impact

- Wet Gas Scrubbers exceed water demand threshold, but are required as Best Available Control Technology (BACT)

Mitigation Measures to reduce water demand

- HWQ-1: Requires use of recycled water for air pollution control equipment
- HWQ-2: If recycled water not available, operator must submit a written declaration why recycled water cannot be supplied to the project.

Impact remains significant and unavoidable



Alternatives Analysis

Alternatives should:

1. Meet project objectives
2. Avoid or lessen environmental impacts
3. Be feasible

Additional constraint:

- Must meet California Clean Air Act requirements for an ozone attainment plan



Alternatives Analysis

ALTERNATIVES	POLLUTANTS ADDRESSED			
	Ozone	Other Criteria Pollutants	Toxics	Greenhouse Gases
<i>Proposed 2017 Plan</i>	Yes	Yes	Yes	Yes
1. No Project	*	*	*	*
2. Ozone Control Only	Yes	*	*	*
3. Criteria Pollutants Control Only	Yes	Yes	*	*
<i>* Pollutant addressed through continuing programs only</i>				



Preferred Alternative

2017 Plan is the Preferred Alternative because it:

- Achieves all project objectives.
- Provides the greatest public health benefit.
- Provides the greatest reduction in GHG emissions.
- Includes mitigation measures to minimize the potential increase in water demand.



Public Comment Opportunity

Please limit your comments to 5 minutes

People watching the webcast can send in comments or questions which we will read here:

- Email jpollak@baaqmd.gov with “Webcast comment” in the subject line



CEQA Process Overview

Initial Study/Notice of Preparation & Scoping Meeting (July 2016)

Draft EIR Released (February 2017)

45 day Public Comment/Review Period (through April 3)

Final Plan and Final EIR to Board (April 19, 2017)



Public Comment Opportunity

2017 Clean Air Plan website:
<http://www.baaqmd.gov/plans-and-climate/air-quality-plans/plans-under-development>

Other opportunities to comment:
*(Deadline for comments is **April 3**)*

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