



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

# **Draft Rule 11-18: Toxic Risk Reduction**

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# Overview

- Air Toxics Control Programs
- Overview of Draft Rule 11-18
- Next Steps
- Summary
- Q & A



# Control of Air Toxics

## Three Programs:

1. Toxic New Source Review Program
2. AB 2588 “Hot Spots” Program
3. Air Toxics Control Measures and Rules



# Control of Air Toxics

## Toxics New Source Review Program

- Prevents significant increases in health risks
- Requires HRAs for new & modified sources of toxic emissions
- Best Available Control Technology for Toxics for significant new or modified sources
- Requires updated control for modified older, more highly polluting equipment





# Control of Air Toxics

## AB 2588 “Hot Spots” Program

- Enacted 1987
- Facilities report toxic emissions to Air District
- Notify if risk exceeds threshold
- Reduce risk if risk exceeds risk action level
- Program is not sufficient
  - HRAs up to 20 years old
  - Diesel PM was not included
  - Does not reflect new health risk information
  - Does not consider background risks
  - Is not flexible



# Control of Air Toxics

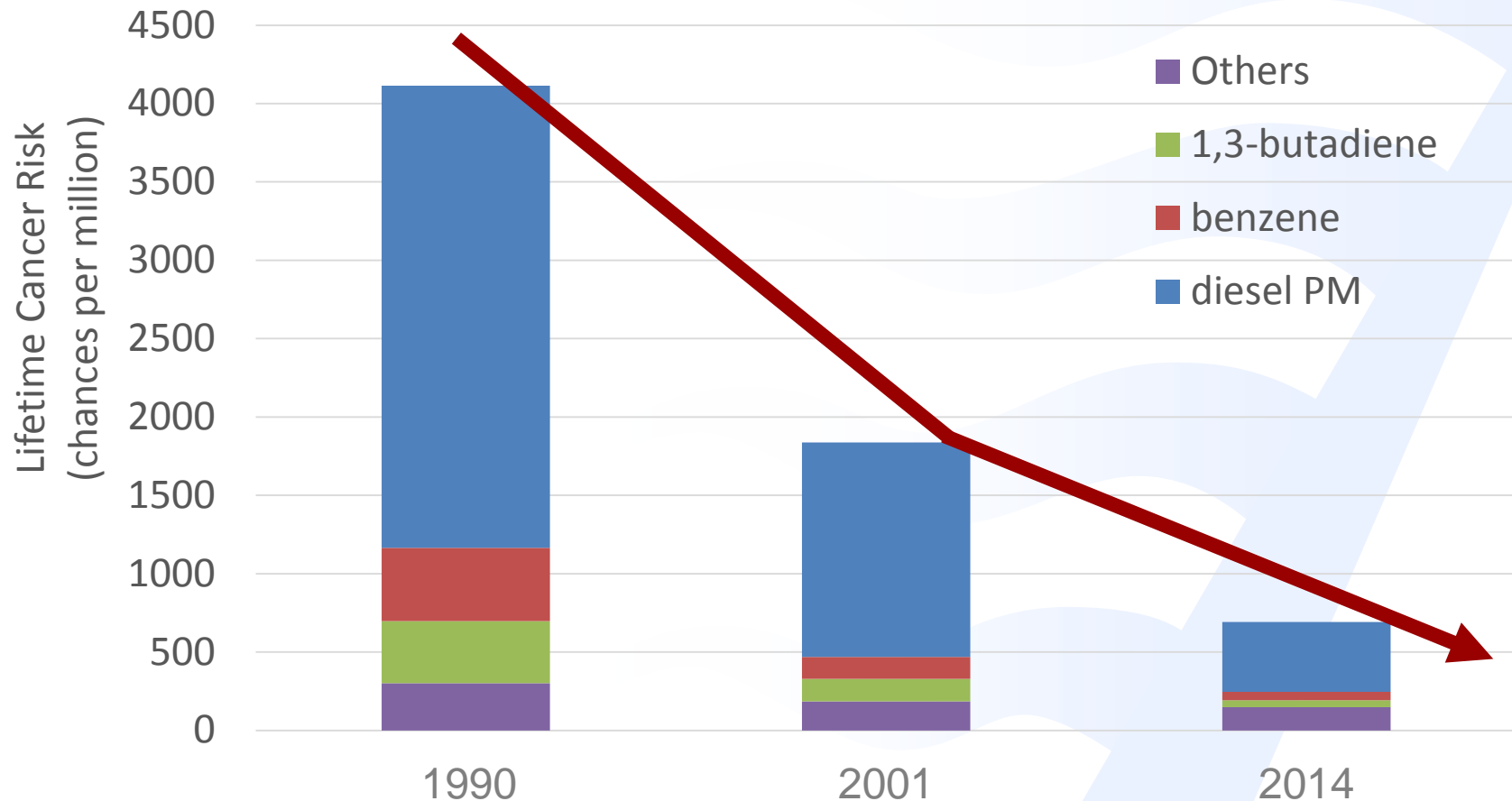
## Air Toxics Control Measures

- > 30 source-specific rules affecting toxic emissions
- National Emission Standards for Hazardous Air Pollutants (NESHAPs)
- State Airborne Toxic Control Measures (ATCMs)
- Air District Developed Measures and Rules



# Control of Air Toxics

## Bay Area risk levels decline since 1990





# Draft Rule 11-18

## Reduce Health Risks to Lowest Achievable Levels

- Benefits impacted areas
- Incorporates latest health risk methodologies
- Promotes continuous improvement
- Ensures public transparency
- Provides greater flexibility





# Draft Rule 11-18

- Reduces facility risk action level from 100 in a million to 10 in a million
- Incorporates new OEHHA Guidelines and health values
- In the Bay Area facilities potentially affected include:
  - refineries
  - gas stations
  - hospitals
  - foundries
  - military facilities
  - landfills
  - crematoria
  - sewage treatment
  - chemical plants
  - data centers
  - schools / universities
  - power plants



# Draft Rule 11-18

- **Air District staff will conduct health risk assessments**
- **Facilities above 10 in a million must:**
  - Develop a risk reduction plan for Air District approval
  - Execute plan according to plan schedule
- **Risk reduction measures include:**
  - Installation of Best Available Retrofit Control Technologies for Toxics (TBARCT)
  - Modification of operating hours and activity levels
  - Modification of emissions point characteristics

A photograph of the Golden Gate Bridge in San Francisco, California, spanning the Golden Gate Strait. The bridge is a suspension bridge with two large towers and red-painted steel. The water is blue, and the sky is clear. In the background, there are green hills.

# Draft Rule 11-18

## Implementation Approach

- Prioritize facilities
- Conduct Health Risk Assessment (HRA)
- Public Comment on HRA
- Publish HRA results to BAAQMD website & email subscription list
- Risk Reduction Plan
  - Publish requirement, submission and implementation status to BAAQMD website & email subscription list
  - 3-year implementation timeline
  - Could require faster implementation for CARE Communities



# Draft Rule 11-18

## Implementation Phases

- **Phase 1 (Prioritization Score > 250)**
  - Health Risk Assessments (2017-2018)
  - Risk Reduction Plan development and approval (2018-2019)
  - Risk Reduction Plan implementation (2019-2022)
- **Phase 2 (Prioritization Score > 10)**
  - Multiple-source facilities (2019-2025)
- **Phase 3**
  - Diesel internal combustion engines (2021-2027)
- **Phase 4**
  - Retail gas stations (2023-2028)



# Next Steps

- **Continue meetings and presentations to interested groups**
- **Form Technical Working Group—Early 2017**
- **Public Hearings—May 2017**
  - Publish for review and comment March 2017
  - Proposed rule language
  - Staff Report
  - Socioeconomic Analysis
  - CEQA Environmental Impact Report





# In Summary

- Long history of controlling toxic emissions
- Risk levels continue to decline – more work needed
- Rule 11-18 would:
  - Reduce health risk to lowest levels feasible
  - Benefit impacted areas
  - Promote continuous improvement
  - Ensure public transparency
  - Provide greater flexibility
  - Phased Implementation – high risk facilities controlled first



# Contact Information | Q&A

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