



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

AGENDA: 3

Facility Risk Reduction Program Improvements

**Stationary Source and Climate Impacts
Committee Meeting
November 15, 2021**

**Carol Allen
Manager, Permitting and Toxics Section
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Presentation Outcome



- Provide an update on the implementation status of the Facility Risk Reduction Program (Rule 11-18)
- Inform the Committee of program improvements underway that are designed to accelerate implementation of risk reduction measures

Presentation Outline



- Progress on Health Risk Assessments
- Program Improvement Strategies
- Next Steps

Presentation Requested Action



- None – informational presentation

Progress on Health Risk Assessments



Phase I 34 Facilities - High Potential for Elevated Health Risks



Tactical Program Improvements



- Near-Term Fixes and Procedural Changes
 - Minimize Facility Emission Inventory Improvements
 - Concentrate Review on Toxics with Highest Projected Impacts
 - Concentrate Review on Expected Significant Sources
 - Minimize Preparation Time for Preliminary HRA
 - Prepare a Streamlined Preliminary HRA Report
 - Stop HRA Refinements if Risk Action Levels are Exceeded

Tactical Program Improvements (cont.)



- Mid-Term Program Efficiency Changes
 - Prepare More Default Toxic Emission Factors
 - Publish General HRA Documentation
 - Educate Public on Reasons for Program Changes and Obtain Public Support
 - Focus Available Staff Modeling Resources on Rule 11-18 HRAs
 - Hire Consultants or Temporary Staff for Specific Program or Modeling Related Tasks

Many high impact sources have no standard factors

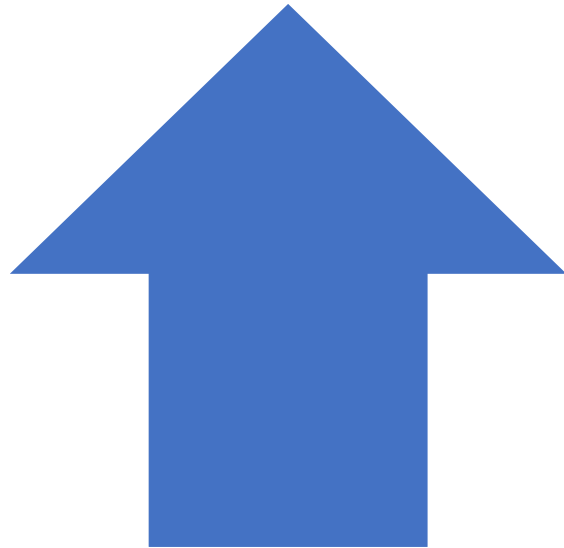
Public comments have asked for toxic inventory improvements

Strategic Program Improvements

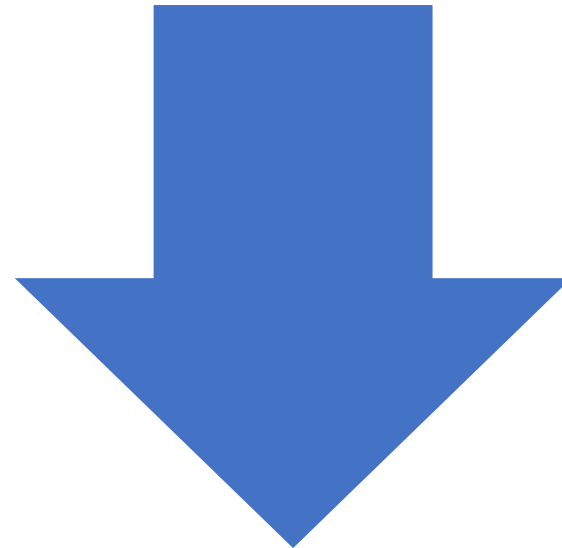


- Long-Term Program and Rule Changes
 - Leverage Model and Risk Evaluation Work Completed for AB617
 - Rely on Facility Inventories Prepared by Certified Consultants
 - Reduce Facility Review Periods and Action Times in Rule 11-18
 - Reduce Facility Review Period from 90 days to 60 days
 - Reduce Risk Reduction Implementation Time from 5 years to 3 years
 - Ingest and Store Emissions and Modeling Inputs to Enable Future Use

Pros and Cons



More Rigorous Air District Review
Higher Confidence in HRA Results
Longer Implementation Time



Less Rigorous Air District Review
More Chance for Missing Impacts
Quicker Implementation Time

Next Steps



- Program Improvements
 - Working on near-term changes now
 - Plan to discuss with Rule 11-18 Implementation Work Group in December
 - Plan to discuss with Community Advisory Council as soon as feasible
 - Expect to start implementing mid-term changes early next year
 - Strategic program and rule changes will depend on rule development priorities
- Dispute Resolution Panel
 - Creating guidelines
 - Convening experts

Questions or Feedback





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AGENDA: 4

Building Appliance Rules: Public Comment and Timelines

**Stationary Source and Climate Impacts
Committee Meeting
November 15, 2021**

**Jennifer Elwell
Senior Air Quality Engineer
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Presentation Outcome



- Update committee on comments received on draft amendments to Regulation 9, Rules 4 and 6 for NOx emissions from building appliances and timeline moving forward

Presentation Outline



- Background
- Public Feedback
- Path Forward
- Potential Timeline Updates

Presentation Requested Action



- None, receive and file.

Background



- Draft amendments include zero-NOx requirement for residential and commercial space and water heaters
 - Compliance dates 2027-2031 depending on equipment type and size
- Public comment period from Sept 30, 2021– Nov 1, 2021
 - Workshop and SSCI presentation in October 2021

Background (Cont.)



- Presentation to this committee last month – feedback to continue existing direction with additional emphasis on accessibility concerns
 - Completeness and breadth of stakeholder involvement, with a focus on labor organizations
 - Formation of ongoing stakeholder working group (possibly through CAC) and development of annual reporting process

Public Feedback



- Need to engage with the breadth of community members that will be impacted by the rulemaking (labor, contractors, landlords, among others)
- Practical concerns surrounding grid capacity as well as permitting and installation requirements should be considered more fully
- Equity discussions should include fuller discussions of projected costs including potential rising consumer utility costs that could result from this type of regulation (PG&E)

Public Feedback (Cont.)



- Certification Process
 - Allow manufacturers flexibility in certification processes and methods to meet the emission standards
 - Changes are needed to clarify definitions and allow for understanding and ease of certification
- While balancing equity factors, realizing emission reductions (NOx and co-benefits) as soon as practicable is important

Path Forward



- Continue to evaluate comments
- Potential changes to the amendments
 - Clarify definitions
 - Simplify certification process
- Determine need for full Environmental Impact Report
- Build out of interim reporting structure for costs and technology
- Further stakeholder engagement
 - Labor unions, contractors, landlords, utilities (PG&E) and regulators (CPUC & CEC), community advocates
 - Stakeholder Working Group formation
 - Board Committees Updates

Potential Timeline Updates



- Previously: release package in December 2021, Board adoption early 2022
- ***Proposed change: Board adoption in Q2 or Q3 2022***
(depending on need for EIR)
 - Opportunity for additional stakeholder engagement
 - Regulatory timelines would not change

Feedback Requested/Prompt



- Questions or concerns about proposed timeline from Committee members