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**Community Emission Reduction Plan (CERP)  
Community Steering Committee Meeting #15**

June 27, 2022

# Welcome

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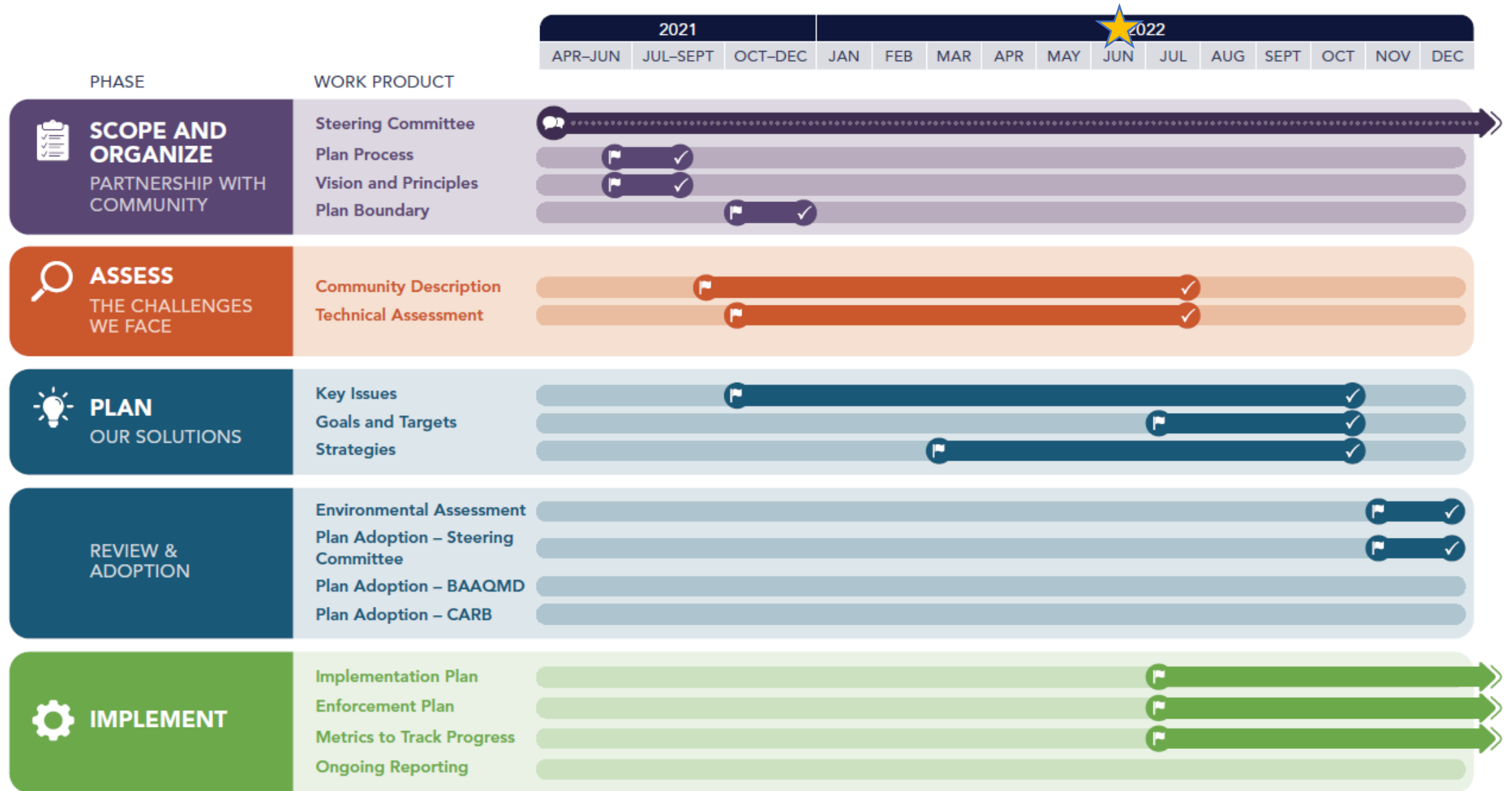
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# Today's Agenda

1. Roll Call
2. Welcome and Timeline Review
3. Approval of May 16, 2022, Meeting Minutes
4. Updates from Ad Hoc Groups
5. Air District Problems to Solutions Presentation #2
6. Strategy Development Process and Ad Hoc Co-leads Selection Presentation
7. Environmental Justice Updates
8. Public Comment on Non-agenda Items and Next Steps



# Timeline: Where are We Today?



🚩 INTRODUCTION TO THE STEERING COMMITTEE

✓ DECISION MADE

# Approval of May 16, 2022 Meeting Minutes

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# Updates from Community Description and Technical Assessment Ad Hoc

**Community Description Ad Hoc Co-lead: Nancy Aguirre**

**Technical Assessment Ad Hoc Co-lead: Jeff Kilbreth**



# Public Comment

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# Air District Problems to Solutions Presentation #2

Kelly Malinowski, Senior Environmental Planner

[kmalinowski@baaqmd.gov](mailto:kmalinowski@baaqmd.gov)



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# Outline of Presentation

1. Vision and Principles
2. Six Community Concern Categories
3. Key Issues to Strategies
4. Strategies by Division
  - Past: What has been done
  - Present: Current work underway
  - Future: New strategies for the Path to Clean Air
5. Example: West Oakland Strategy Development
6. Emissions Estimates: What can and cannot be estimated
7. Q&A Panel
8. Next Steps



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# Vision

- All people grow and live in neighborhoods free from air pollution known to cause health risks such as asthma, with human-centered infrastructure planning, and space for our communities to safely be together free of emission sources.
- We envision removing barriers to health equity for all residents, as well as a significant reduction of pollution driven respiratory illness rates in children.
- We accomplish this by effective communication strategies to inform people of elevated health risks in real time, community led efforts to monitor emissions, holding industry and all polluters accountable, and a measurable reduction in emissions.



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# Principles

## Collaborative and Involved Stakeholders

Serve as **effective leaders** in collaborating with elected officials to become engaged, accountable, and reflective of our communities' best wishes. Work to **empower long term relationships** between grassroots organizations, businesses, and local government.



## Community and Equity-Centered

Through an equity-centered lens, **community voices will be at the center** of this process. The communications tools used to reach community members will be diverse, inclusive, and used with the intent to ensure there is an **understanding of the process** and the impact of the work.

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# Principles (cont.)

## Understandable Information and Data-Driven

While building on data from the community air monitoring plan, community members will be **informed of the short and long-term effects of health as a result of poor air quality** in their neighborhoods. This information will be **shared in a form that community can understand** to ensure decision making is data driven. Using popular education tools, youth voices, and media to inform data-driven and evidence-based decisions.



## Led By Strategy Goals and Prioritizes Effective Strategies

**Prioritize the most effective emissions reduction and monitoring strategies** to eliminate sources of pollution to the highest extent possible in a manner that is sustainable for the long-term.

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# Principles (cont.)

## Follow a Transparent Process and Commit to Restorative Investments

Transparency through **real-time communication with community members about progress and updates**, with an emphasis on ensuring the information reaches everyone at all socioeconomic levels. A commitment to **restorative investment in communities** that have been disproportionately harmed by environmental injustice.



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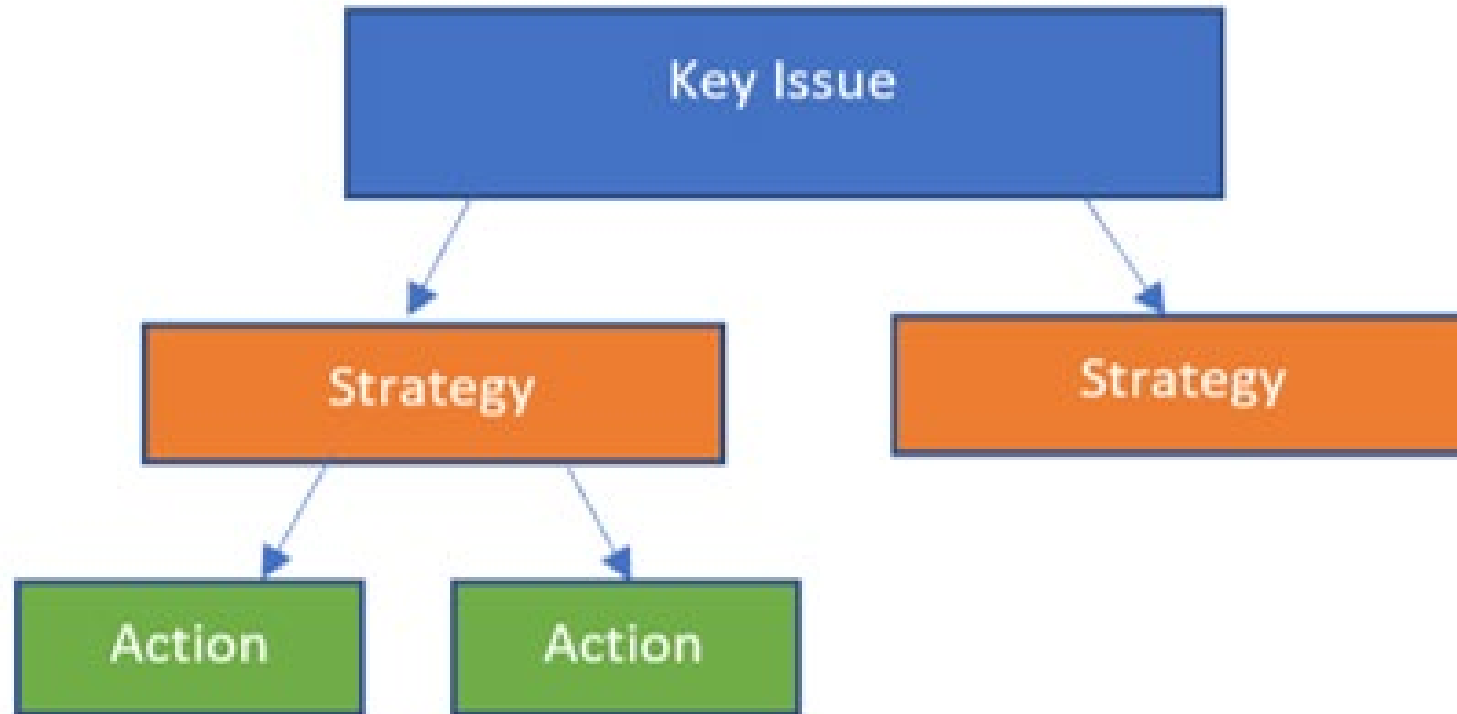


# Six Community Concern Categories

1. Addressing Public Health and Reducing Exposure
2. Fuel Refining, Support Facilities, Storage, and Distribution
3. Industrial and Commercial Sources Near Communities
4. Odors and Smells
5. Vehicles and Trucks, Streets and Freeways, and Logistics
6. Marine and Rail

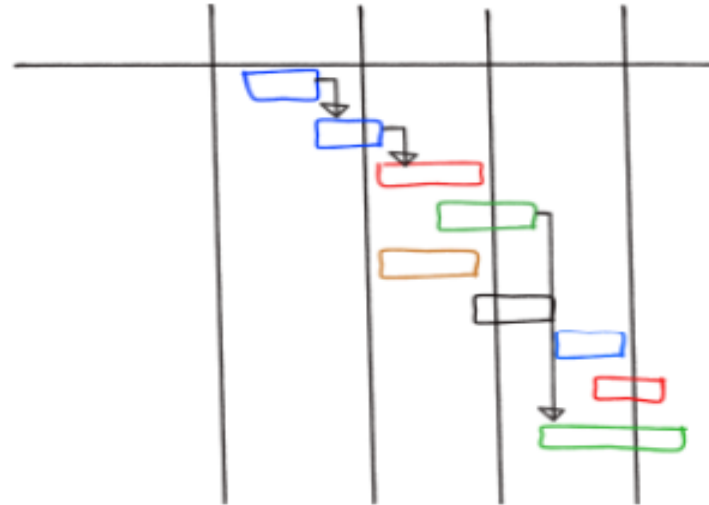


# Key Issues to Strategies









# Air District Strategies




- Past
- Present
- Future



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# Rules Past (Highlights)

<b>2017:</b>	<ul style="list-style-type: none"> <li>○ Reduction of Risk from Air Toxic Emissions at Existing Facilities – Rule 11-18</li> </ul>	
<b>2018:</b>	<ul style="list-style-type: none"> <li>○ AB617 Expedited <b>BARCT*</b> Implementation Schedule</li> <li>○ <b>Particulate Matter (PM) Rules</b> (PM Rules: Regulation 6, Rule 6-1, Rule 6-6)</li> </ul>	
<b>2019:</b>	<ul style="list-style-type: none"> <li>○ <b>Wildfire Rules</b> (Regulation 5 and Rule 6-3)</li> </ul>	
	<ul style="list-style-type: none"> <li>○ <b>Refinery Emissions Tracking</b> - Rule 12-15</li> </ul>	
<b>2021:</b>	<ul style="list-style-type: none"> <li>○ <b>Refinery Fluidized Catalytic Cracking Units (FCCUs)</b> - Rule 6-5</li> <li>○ <b>Permitting Amendments</b> (Rules 2-1 and 2-5)</li> </ul>	
<b>2022:</b>	<ul style="list-style-type: none"> <li>○ <b>Industrial Hydrogen Plants</b> – Rule 13-5</li> </ul>	

KEY	
	CAPs: criteria air pollutants (e.g., PM, Ozone, NOx)
	TACs: toxic air contaminants (e.g., benzene, toluene)
	GHGs: greenhouse gases (e.g., methane, carbon dioxide)

\* BARCT = Best Available Retrofit Control Technology

# Rules Past (West Oakland)

## WOCAP (West Oakland Community Action Plan) Strategies Identified:

WOCAP Measure / Rule	Source Category	Pollutant of Concern
WOCAP #68 / Rule 6-4	Metal Recycling & Shredding	PM TACs
WOCAP #68 / Rule 12-13	Foundries & Forging Operations	PM TACs
WOCAP #71 / Rule 8-45	Autobody Operations	VOCs TACs
WOCAP #72 / Rule 13-4	Sewage Treatment & Anaerobic Digesters	VOCs TACs Odor
WOCAP #73 / Rule 8-5	Storage of Organic Liquids (e.g., tanks)	VOCs TACs








# Rules Past (West Oakland) (cont.)

## WOCAP (West Oakland Community Action Plan) Strategies Identified:

WOCAP Measure / Rule	Source Category	Pollutant of Concern
WOCAP #67 / ISR (*seek authority)	Indirect / Magnet Sources	PM TACs
WOCAP #87 / Rule 6-2 (*Rule or Incentive)	Restaurants	PM
WOCAP Further Study Measures (FSM) #1 and #5 / Reg 5 and Rule 6-3	Open Burning and Wood-Burning Devices	PM TACs
WOCAP Further Study Measure (FSM) #3 / Reg 6: PM	Fugitive Dust from Construction, Batch Concrete, & Material Handling	PM



# Rules Present

Rule		Addressing Public Health and Reducing Exposure	Fuel Refining, Support, Storage, and Distribution	Industrial + Commercial Sources Near Communities	Odors and Smells	Vehicles and Trucks, Logistics	Marine and Rail
Building Appliances (Rules 9-4 and 9-6)	 	X		X			
Dust FSM/White Paper (Rule 6-1, etc.)				X			
Refinery Wastewater (Rule 8-8)	 		X		X		
ISR – Policy Tracking	 					X	X

# Rules – Ideas for Future Strategies/Actions



## Continue:

- Dust White Paper
- BARCT (Best Available Retrofit Control Technology) Implementation
- Indirect Source Regulation (ISR) Policy Tracking
- West Oakland Strategies, e.g.:
  - White Paper for Metal Recycling and Shredding (Rule 6-4)
  - White Paper for Restaurants (Rule 6-2)
  - Wood Burning Further Study Measure (Reg 5 and Rule 6-3)



## Add:

- White Paper for NOx Reductions at Refineries
- White Paper for Flaring
- PM (Particulate Matter) Reduction Efforts
- Public Engagement on Rules Prioritization
- Others?



# Rules – Strategies/Actions by Key Issue

Rules Project		Addressing Public Health and Reducing Exposure	Fuel Refining, Support, Storage, and Distribution	Industrial + Commercial Sources Near Communities	Odors and Smells	Vehicles, Trucks, Roads, Logistics	Marine and Rail
BARCT Schedule Implementation	➔		X	X	X		
NOx Reductions at Refinery Sources	+		X				
Flaring White Paper	+	X	X				
Dust FSM / White Paper	➔			X			
PM Reduction Efforts	+	X	X	X			
Restaurants White Paper	➔ +			X			
Metal Recycling and Shredding White Paper	➔ +			X			
Indirect Source Rule Policy Tracking	➔					X	X
Wood Burning FSM	➔	X			X		

# Rules – Considerations for Future Discussion

1. Do you have additional ideas? Did we miss anything?
2. Is there anything you want to know more about (for future discussion)?
3. How might you prioritize among strategies/actions?
  - Are there any efforts you already see as top priorities?

# Engineering Past

- Permitting conducted based on Regulation 2 rules in effect.
  - Regulation 2 (Permits) Rule 1 (General Requirements) last amended in 2017.
  - Regulation 2 (Permits), Rule 5 (Toxic Air Contaminants) last amended in 2016.



# Engineering Present

- Permitting Regulation Amendments (adopted December 2021)
  - Go into effect on July 1, 2022
  - Regulation 2, Rule 1: General Requirements
  - Regulation 2, Rule 5: New Source Review of Toxic Air Contaminants
  - Air District commitment to evaluate its permitting processes to address air pollution in areas overburdened by environmental and health stressors
  - Community-led effort to update Air District's Permitting Program





# Engineering Present (cont.)

- Permitting Regulation Amendments
  - Regulation 2, Rule 1: General Requirements
    - Extended permit application completeness and review periods
    - Enhanced public notifications for projects within Overburdened Communities
  - Regulation 2, Rule 5: New Source Review of Toxic Air Contaminants
    - Extended lookback period for projects from 3 to 5 years
    - Lowered cancer risk limit from 10 to 6 in a million in Overburdened Communities



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# Engineering Future

- Implement the 2021 Permitting Amendments
  - Air District priority to ensure that facilities in OBCs comply
  - New public noticing requirements
  - Additional work to ensure compliance with New Source Review for Toxics
  - System/programming changes
  - Development of new tools, such as the new mapping tool
  - More permits may require source testing



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# Engineering Past, Present, and Future

	Addressing Public Health and Reducing Exposure	Fuel Refining, Support Facilities, Storage, and Distribution	Industrial and Commercial Sources Near Communities	Odors and Smells	Vehicles and Trucks, Streets and Freeways, and Logistics	Marine and Rail
Regulation 1				X		
Regulation 2 (2-1, 2-2-2, 2-5)	X	X	X			



# Compliance & Enforcement (C&E): Past Strategies

- **Updated Air Quality Complaint Program**
  - Enhanced complaint reporting process and clarified investigation procedures
  - Increased flexibility for confirming complaints
- **Increased coordination with other agencies**
  - Worked with Dept. of Toxic Substances Control (DTSC), county District Attorneys (DA), county Hazardous Materials (HAZMAT), Local Enforcement Agencies (LEA), fire department, Environmental Protection Agency (EPA), CA Air Resources Board (CARB), etc.
- **Increased staffing at the Chevron Refinery**
  - 3+ staff assigned to Chevron
  - Ensure thorough and timely investigations
    - Flaring Events
    - Air Quality Complaints
    - Title V Deviations



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# C&E: Present Strategies

- **Implementation of the Field Operations Group**
  - Specialized task force to conduct more complex investigations and audits
  - Multi-pronged approach and multi-pollutant emission reduction strategy
- **Targeted Inspection Approach**
  - Focus on areas that are likely to have greater emissions and/or more complaints
- **Work closely with Legal to resolve chronic violation cases**
  - Evaluate root causes for repeat violations at facilities
  - Identify patterns of non-compliance
- **Increase Transparency on Enforcement Cases**
  - Work closely with Legal to bring chronic violation cases to Hearing Board
  - Prioritize community involvement



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# C&E: Future Strategies

- **City of Richmond Water Pollution Control District**
  - Review effectiveness of facility capital improvements to reduce odors
- **Chevron Refinery**
  - Continue to identify and address patterns of repeat violations
  - Continue comprehensive review of flaring events, including upstream processes
- **Enhance Accessibility to Violation Information**
  - Develop new tool on Air District website to improve public access to Notice of Violation information
- **Explore additional field inspection tools and instrumentation**





# Incentives: Strategic Incentives Division (SID) & Technology Implementation Office (TIO) Past/Present

## Past

- Cost-effective, voluntary grant programs for businesses & public agencies to replace higher emitting mobile engines with cleaner alternatives (including heavy duty trucks, buses, marine, locomotive light duty vehicles, and off-road equipment)

## Present

- Emissions reduction projects underway in R-SP
- Focus on zero-emission equipment and infrastructure
- Prioritize outreach in key communities
- Woodsmoke reduction / electric heat pump program for residents launching soon



# Incentives (SID & TIO) Future

- Continue to offer core grant programs
- Focus outreach on key equipment categories
- Develop a grant program to replace dirtier stationary engines with cleaner alternatives
- Work with CARB to increase opportunity/flexibility around current program requirements and funding amounts
- Find opportunities for new sources of funding
- Look for opportunities to integrate community engagement in outreach



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# Example: West Oakland Strategy Development – Overview

- Strategies offered throughout plan development
- Prioritized strategies after plan was adopted
  - Started by asking questions:
    - Do different neighborhoods benefit?
    - Is funding available?
    - How does the strategy reduce emissions and exposure to improve health outcomes?
    - How is equity at the center of the strategy?
  - Then, used a framework based on level of effort that the Steering Committee wanted to invest
  - Finally, focused on those strategies



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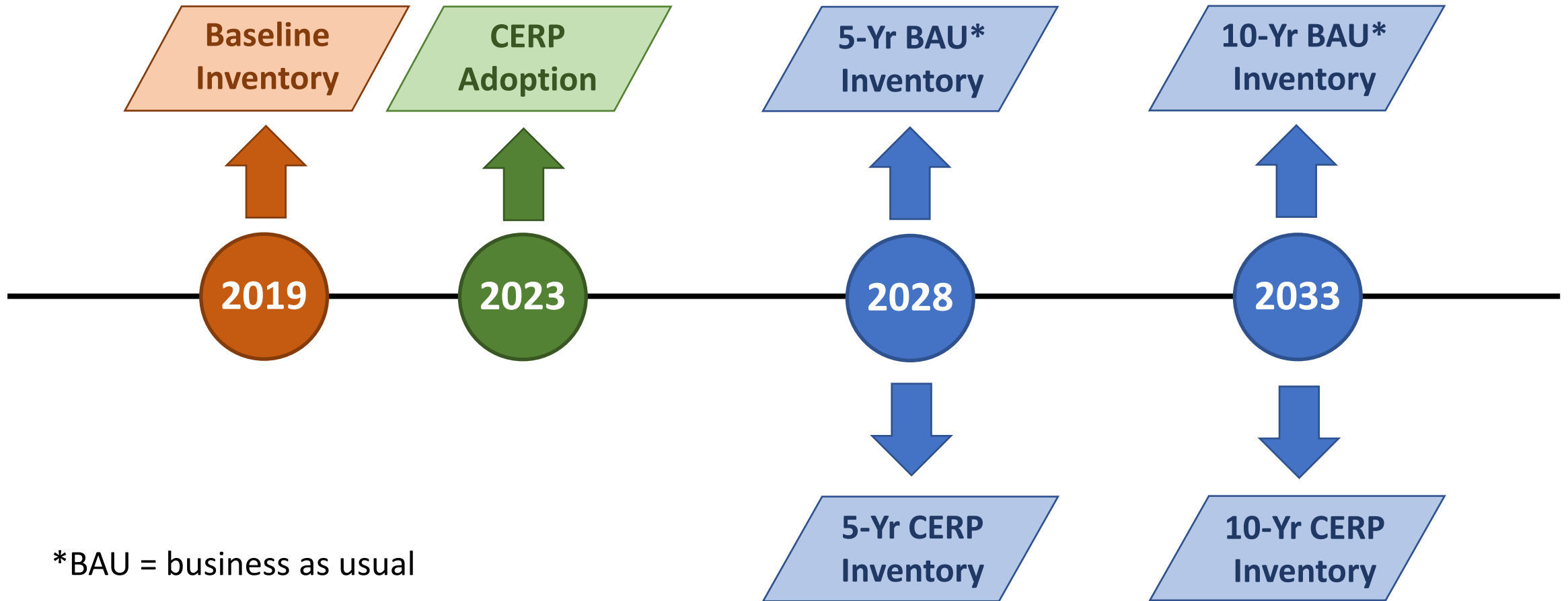
# Example: West Oakland Strategy Development - Lessons Learned

- Develop criteria or questions to ask about brainstormed strategies to sort between the brainstorming phase and drafting phase
- Criteria or questions should tie back to CERP Vision and Principles
- Potential criteria or questions to ask:
  - Does it address one of the six community concerns?
  - What is the impact on emissions and/or exposure
  - Does it address equity? Who will benefit? Who will be burdened?
  - Can success be measured – qualitatively or quantitatively?
  - Is the strategy feasible, that is, can it be implemented?
  - What is the timeline for implementation? (0-5 years vs. 6-10 years)
  - Who are the strategy champions?
  - What are the known funding sources?



# Emissions Estimates

## What years are considered?

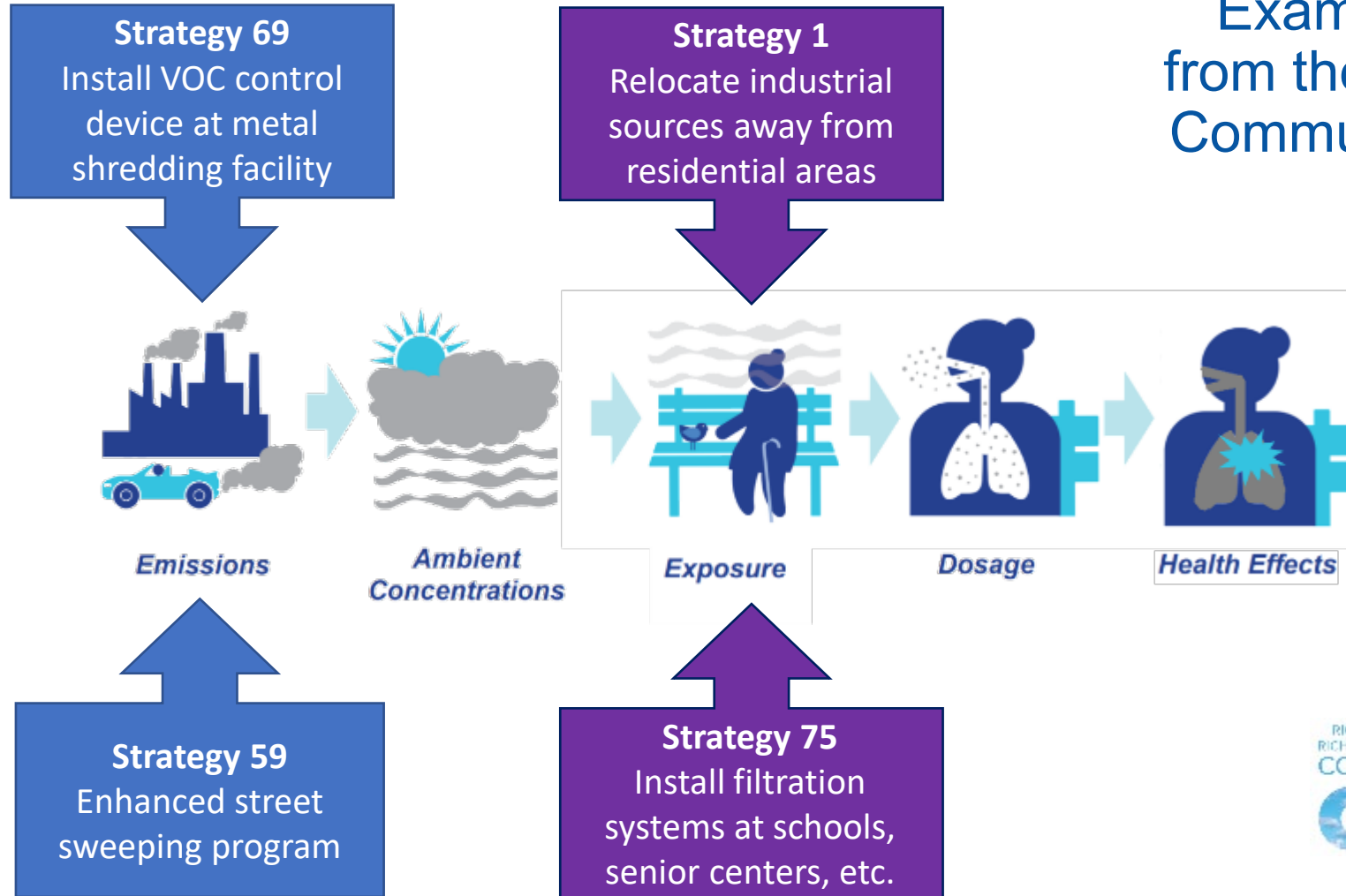


\*BAU = business as usual

# Emissions Reductions

## What can be estimated?

Example Strategies from the **West Oakland** Community Action Plan





# Emissions Reductions

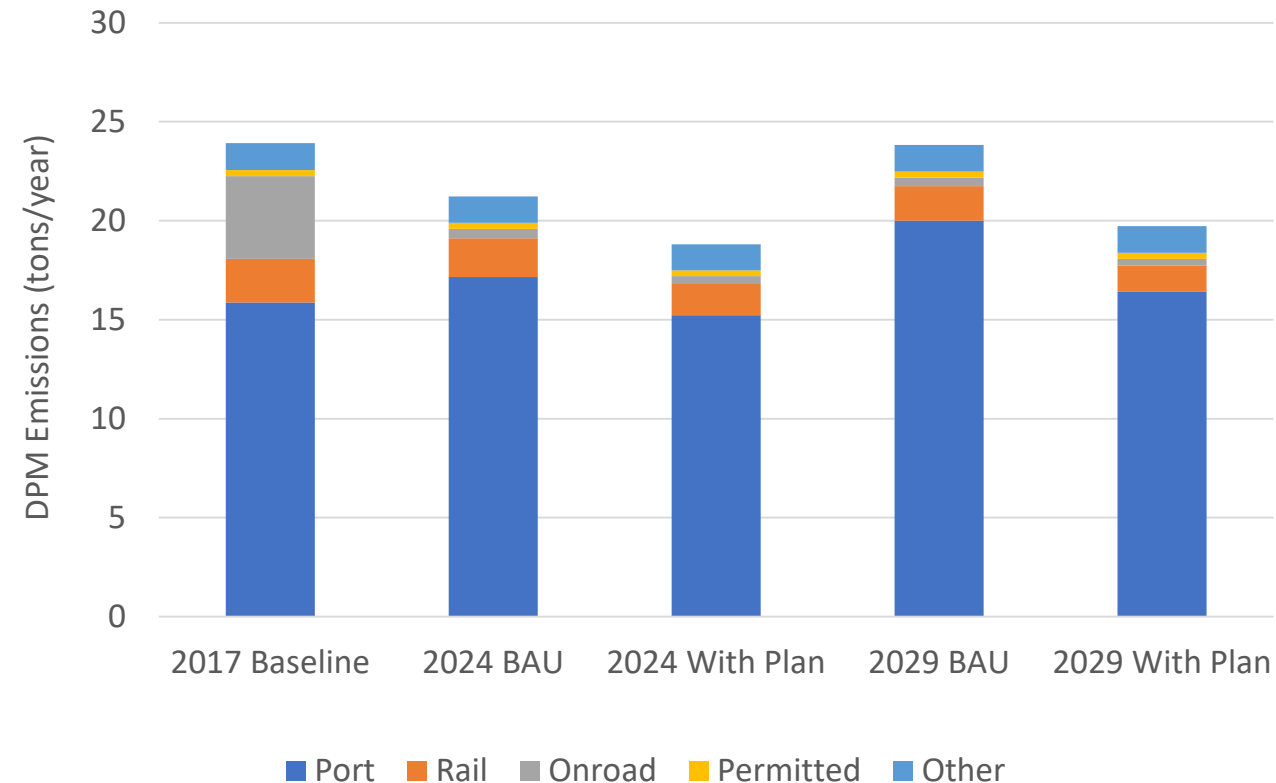
## West Oakland Example

### DPM emissions changes\*

- 2024 BAU → **11%** reduction
- 2024 With Plan → additional 10% reduction (**21%** overall)
- 2029 BAU → back to 2017 levels
- 2029 With Plan → **18%** reduction

\*Relative to the 2017 baseline inventory

West Oakland Diesel Particulate Matter (DPM) Emissions



# Q&A Panel



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# Next Steps

- Key Issues and Strategy Development: approximately July – October 2022



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# Steering Committee Questions and Discussions

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# Public Comment

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# Problems to Solutions Ad Hoc Presentation

Kevin Olp, Senior Staff Specialist

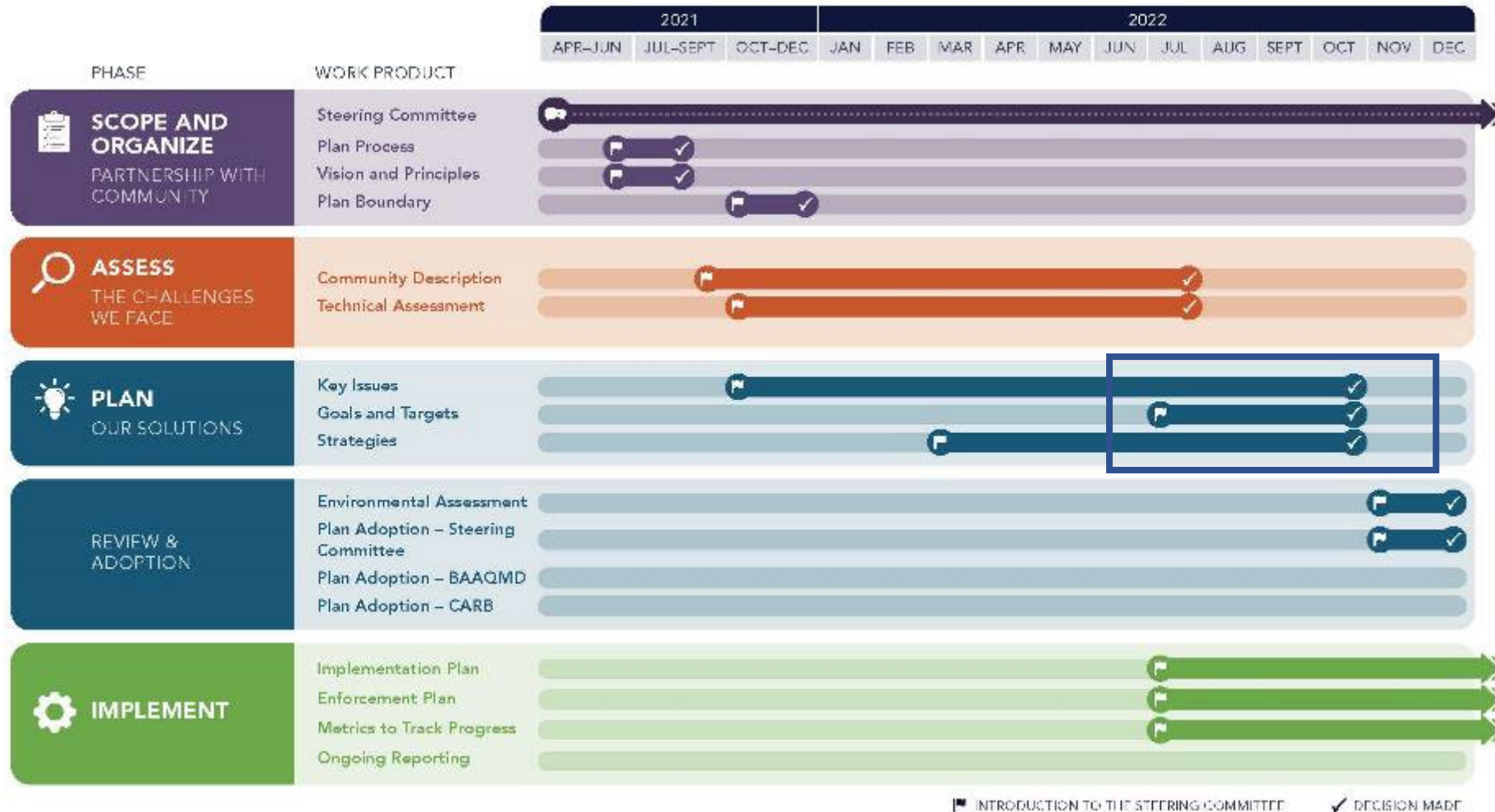
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# The Final Stretch: Developing the Key Issues and Strategy Chapters



# Proposed Organization and Process

Path to Clean Air Steering Committee (CSC) – continue to meet monthly, summer and fall meetings will include small group discussions in breakout rooms

CSC Co-Chairs – work with new Ad Hoc and Air District Staff to guide and direct process to seek input and direction from entire CSC, help guide, draft, review and finalize key issues and strategies chapters

Problems to Solutions Ad Hoc (12 members max) – two members focus on one of the six community concerns, help plan and facilitate small group discussions, co-lead writing of the key issue and strategy chapters

Fuel Refining,  
Support  
Facilities,  
Storage, and  
Distribution

Industrial and  
Commercial Sources  
Near Communities

Vehicles and  
Trucks, Streets  
and Freeways,  
and Logistics

Marine and  
Rail

Odors and  
Smells

Addressing  
Public  
Health and  
Reducing  
Exposure

# What is the Role of the Problems to Solutions Ad Hoc

1. Co-develop and co-lead CSC breakout rooms
2. Co-lead the drafting, review and finalization of a Key Issue & Strategy Chapters for each of the six community concerns

Fuel Refining, Support Facilities, Storage, and Distribution	Industrial and Commercial Sources Near Communities	Vehicles and Trucks, Streets and Freeways, and Logistics	Marine and Rail	Odors and Smells	Addressing Public Health and Reducing Exposure
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# Co-develop and Co-lead CSC Breakout Room Conversations

- Ad Hoc members will help to plan and lead small group discussions during CSC breakout room meetings
- Small group discussions will focus on collecting information and feedback for drafting the key issue statements and strategies
- Small group discussions are where CSC members can share thoughts, questions, and feedback to inform the development of draft and final key issue statements and strategies



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# Co-lead the Drafting, Review and Finalization of Key Issues and Strategies Chapters

- Ad Hoc members, CSC Co-chairs and Air District staff will work together to develop a process to draft, review and finalize chapters, including roles, responsibilities, and timelines for completion
- The timeline for the writing and review process will be contingent on the decisions made about the process, i.e.;
  - How much time individual CSC members have to commit
  - How the work is divided between CSC members and Air District Staff
- Ad Hoc members would commit to a tentative schedule of:
  - Planning for CSC breakout rooms, starting [July 2022](#)
  - Draft key issue statements and strategies, [August – October 2022](#)
  - Final key issue statement and strategies, [November – December 2022](#)



# Formation of the Ad Hoc

- The Co-chairs sent an email requesting self-nominations for Ad Hoc members, and for interest in co-leading the different key issues and strategy chapters
- The following CSC members expressed interest to co-lead a specified chapter: (Jamboard link: [https://jamboard.google.com/d/1LKXEQKYqD36O6jriGUKn3CNeuylrPh8HM4iv\\_ZJ7C9w/edit?usp=sharing](https://jamboard.google.com/d/1LKXEQKYqD36O6jriGUKn3CNeuylrPh8HM4iv_ZJ7C9w/edit?usp=sharing))
- Please raise your hand if you would like to add your name to the list of Ad Hoc members (Co-chairs will facilitate the confirmation of the final list of members)





# Next Steps

- Ad Hoc members will receive a Survey Monkey to fill out (tonight if possible) to schedule first Ad Hoc planning meeting
- If you have any questions or feedback that were not captured in today's meeting, please feel free to reach out to the Co-chairs or Air District staff



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# Steering Committee Questions and Discussions

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# Standing Environmental Justice Updates

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# Next Meeting

- Our next Steering Committee meeting will be on Monday, July 18, 2022, from 5:30 p.m. to 8:00 p.m.
- Agenda topics will include:
  - Draft Key Issue Statements
  - Draft Final Community Description Outline



# Public Comment on Non-Agenda Matters

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