



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

**AGENDA: 15**

# **Public Hearing to Consider Adoption of Proposed Amendments to Refinery Rules Definitions**

**Board of Directors Meeting**

**November 3, 2021**

**Chris Crowley**

**Principal Air Quality Specialist, Compliance and Enforcement**

**[ccrowley@baaqmd.gov](mailto:ccrowley@baaqmd.gov)**

# Presentation Outcome



- Understand the potential regulatory impacts of refineries transitioning to alternative “non-petroleum” feedstocks.
- Be informed about the current rule making effort regarding refining operations.
- Recommend adoption of proposed amendments to the various Refinery Rules to the Board of Directors.

# Presentation Outline



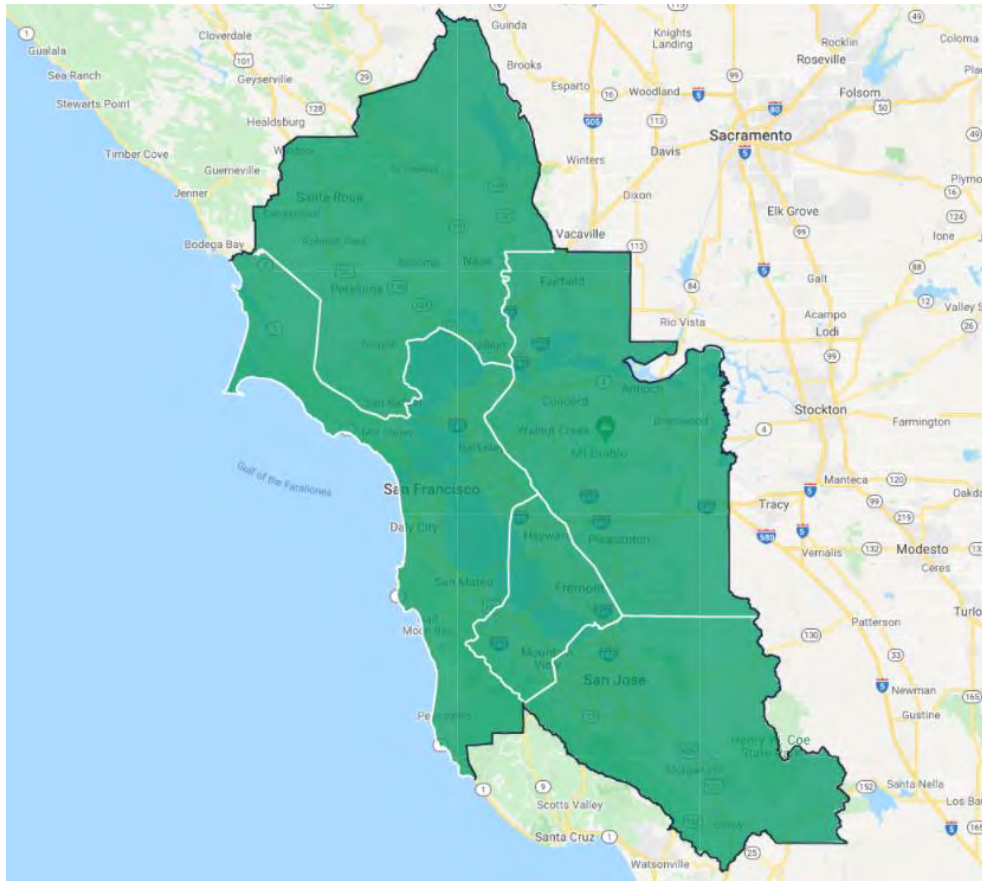
- Background and timeline for renewable fuels transitions
- Description of issue
- Proposed Rule amendments
- Rule development timeline
- Expected impacts
- Recommendations

# Presentation Requested Action



- Consider adoption of the proposed amendments to the various Refinery Rules.

# Background Information



- Bay Area is second largest refining center on West Coast.
- 2 of the 5 Bay Area refineries slated to transition to non-petroleum feedstocks by 2024.
- What are these alternative feedstocks?
- How does this transition affect emissions and regulatory applicability?

# Issue and Goals



- Prevent regulatory back-sliding.
- Ensure status quo is maintained.

# Proposed Rule Amendments



- 4 Main Proposed Amendments
  - “Petroleum Refinery”
  - “Gasoline”
  - “Liquid petroleum gas” (LPG)
  - Manual of Procedures

# Proposed Rule Amendments (cont.)



- “Petroleum Refinery” amended to “Refinery”
  - Adds “alternative feedstock” language
  - Removes “petroleum” references where necessary
- “Gasoline” amended
  - Removes “petroleum” from definition
  - Amends “Any petroleum distillate...” to “Any distillate...”



# Proposed Rule Amendments (cont.)



- “Liquefied Petroleum Gas” amended to “Liquefied Gas”
  - Removes “petroleum” from definition
  - Adds additional language to include liquefied gas produced “from non-petroleum materials.”
- Manual of Procedures – 600 Section
  - Adds additional language to include flexibility when determining test methodologies.
  - “...or any other method approved by the APCO.”

# Proposed Rule Amendments (cont.)



## 21 Rules affected by proposed amendments

Regulation	Rule
<b>Reg. 3:</b> Fees	-
<b>Reg. 6:</b> Particulate Matter	6-5
<b>Reg. 8:</b> Organic Compounds	8-1, 8-5, 8-6, 8-7, 8-8, 8-9, 8-10, 8-18, 8-28, 8-33, 8-39, 8-44, 8-53
<b>Reg. 9:</b> Inorganic Compounds	9-1, 9-10
<b>Reg. 11:</b> Hazardous Pollutants	11-10
<b>Reg. 12:</b> Misc. Standards of Performance	12-11, 12-12, 12-15
<b>Total Rules Amended - 21</b>	

# Rule Development Process



- Spring 2021 - Air District staff began drafting amendments to rules affecting “petroleum” refining operations.
- July 19, 2021 - Stationary Source and Climate Impacts Committee presentation.
- September 13, 2021 – Air District met with Western States Petroleum Association to discuss proposed rule changes.

# Rule Development Process (cont.)



- September 20, 2021 - Air District released the proposed amendments and Staff Report for the various Refinery Rules in Regulations 3, 6, 8, 9, 11, and 12.
- October 14, 2021 – Public comment period ended.
- October 20, 2021 - Air District released the updated Hearing Package for Refinery Rule amendments.

# No Expected Impacts



- No emissions impacts
- No economic or socioeconomic impacts
- No changes in regulatory impacts
- No negative environmental impacts

# Final Recommendations



- Recommend adoption of proposed amendments to the various Refinery Rules.

# Questions



- Chris Crowley – Principal Air Quality Specialist
  - [ccrowley@baaqmd.gov](mailto:ccrowley@baaqmd.gov)
- Art Valla – Principal Air Quality Engineer
  - [avalla@baaqmd.gov](mailto:avalla@baaqmd.gov)



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**AGENDA: 16**

# **Assembly Bill (AB) 617 Community Emissions Reduction Plan Recommendation for East Oakland**

**Board of Directors Meeting  
November 3, 2021**

**Veronica Eady, Sr. Deputy Executive Officer  
of Equity & Policy  
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Board will hear recommendation and community feedback on the proposed selection of East Oakland for a community emissions reduction plan.

# Presentation Outline



- Background
- East Oakland Selection Recommendation
- Community Workshop
- Next Steps

# Requested Action

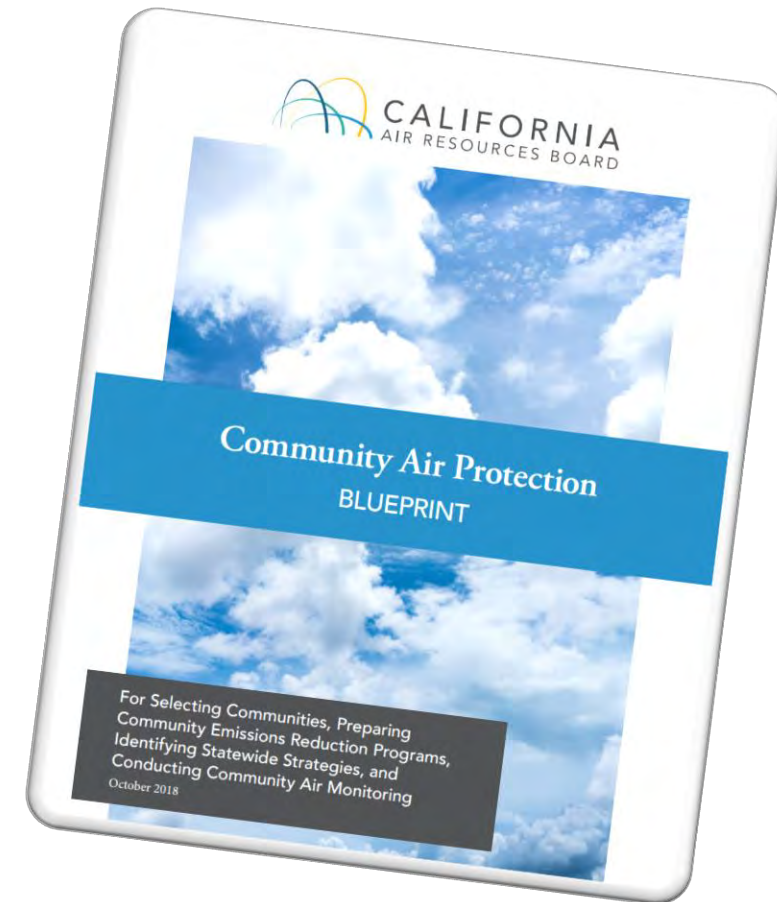


Approve recommendation to California Air Resources Board (CARB) to select East Oakland for a community emissions reduction plan.

# Background: Selection Process



- Needs to follow state’s process as outlined in CARB’s Blueprint
- Community selection stems from Air District “high priority recommendations” submitted to CARB in 2018
- Community-readiness is a significant driver for recommendation



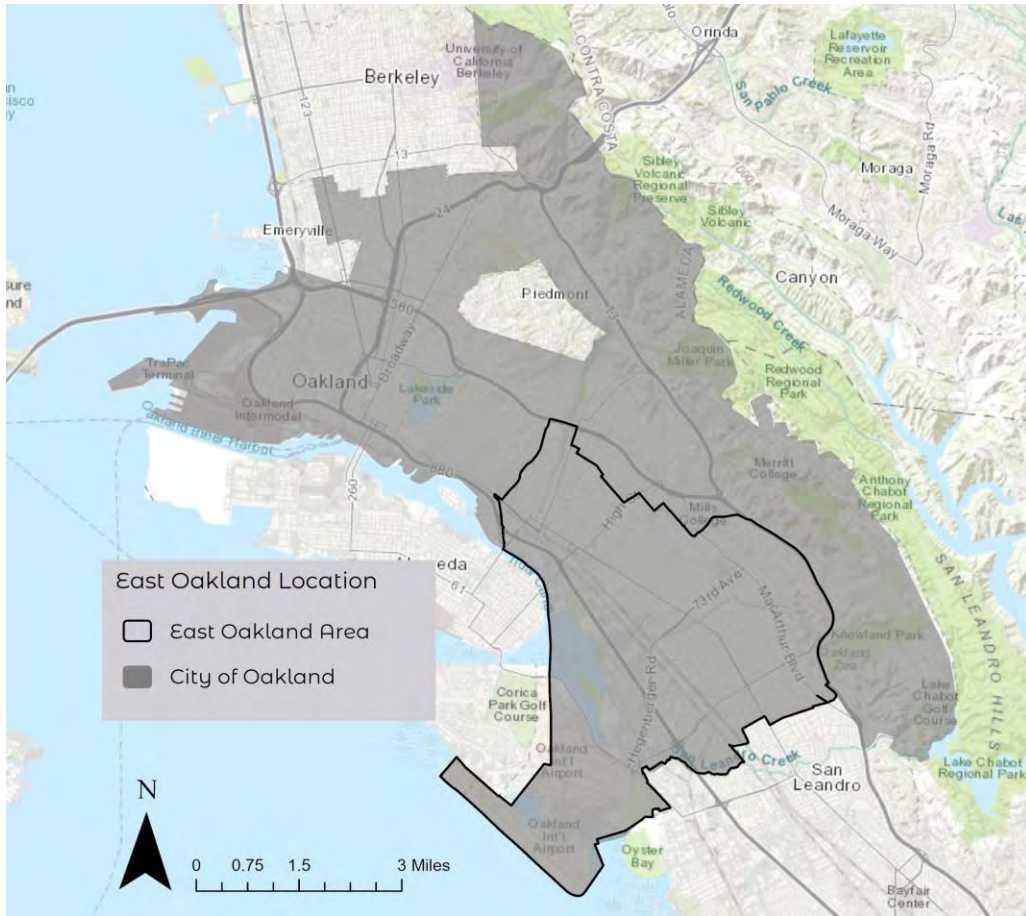
# Recommendation: East Oakland



- Community has advocated for selection each year
- High levels of air pollution, health burdens
- Low-income, community of color, history of environmental injustice
- Decades of building community capacity, leadership development
- Existing inter-neighborhood coalition and collaboration

Source: The BlackHour.com, CC By 2.0

# Preliminary East Oakland Boundary

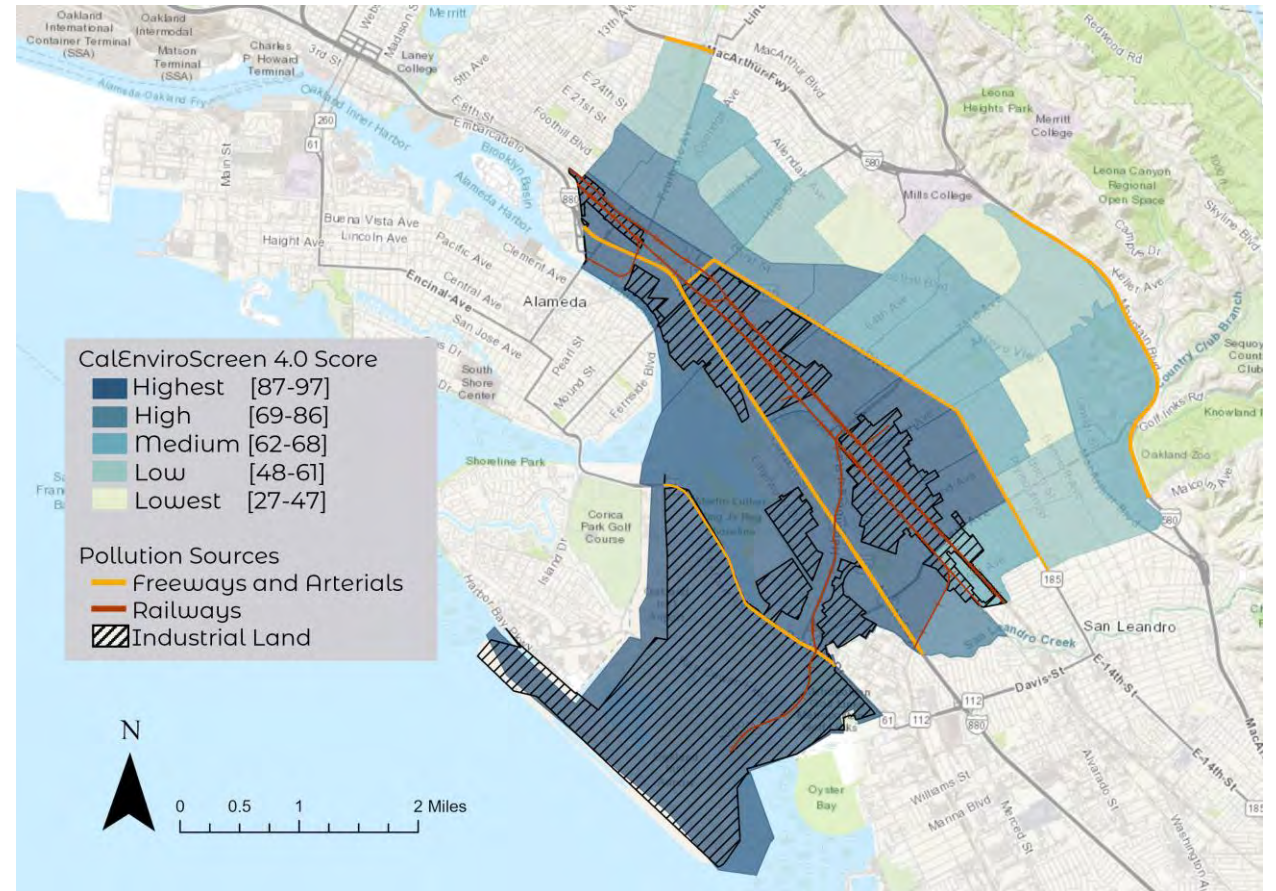


- Includes census tracts that are in top 30% of pollution burden statewide (CalEnviroScreen 4.0)
- Reflects East Oakland Neighborhood Initiative area
- Aligns with City's East Oakland planning areas and County's Public Health regions

# East Oakland Air Pollution



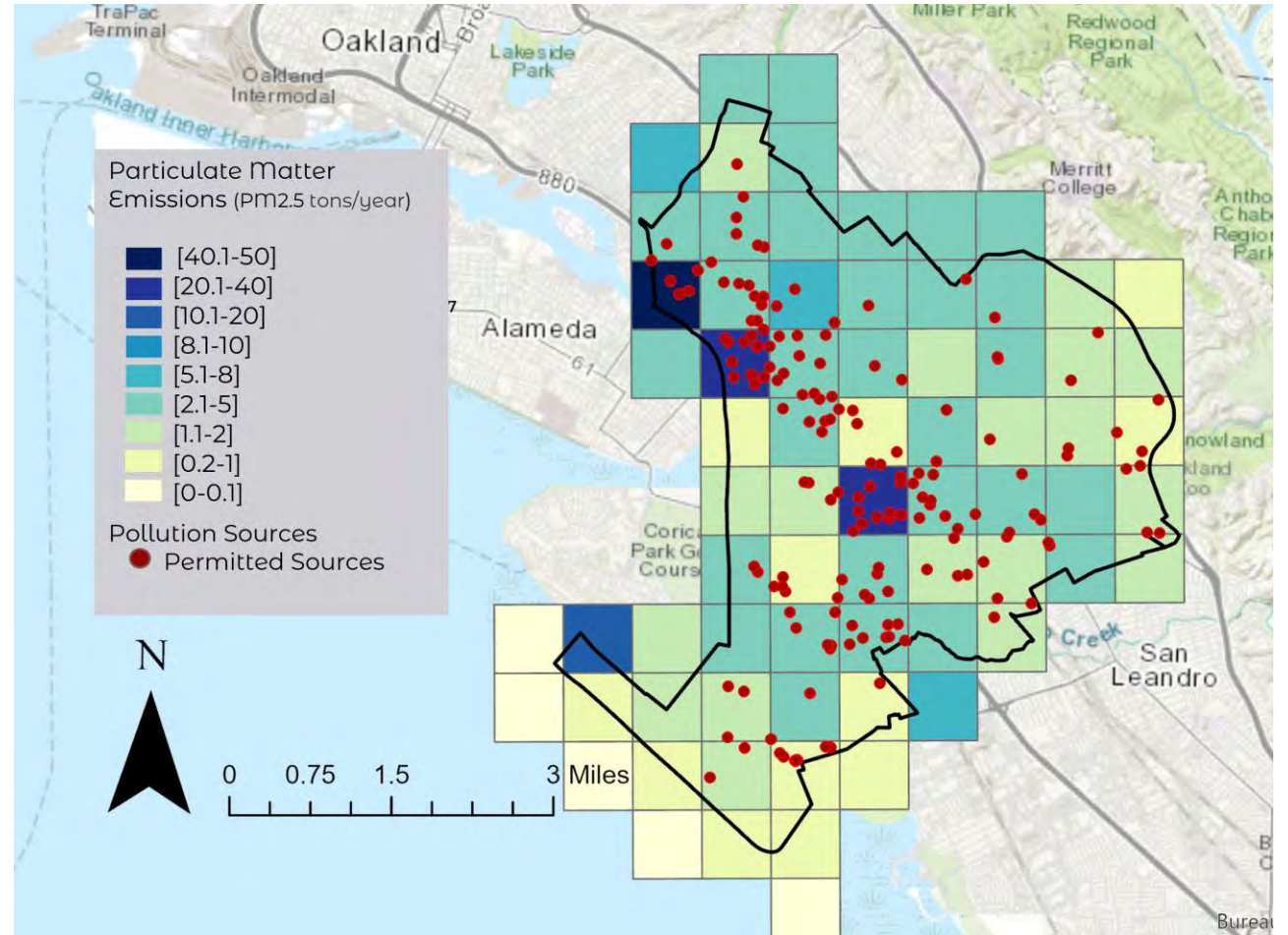
- Much of East Oakland experiences high levels of pollution
- Major goods movement and transportation corridor
- Large areas adjacent to industry and truck magnet businesses



# Sources of Air Pollution



- Stationary sources:  
AB&I Foundry, concrete manufacturing, food processing
- Mobile sources:  
Freeways, airport, rail and truck routes, ships
- Area sources:  
Residential fuel combustion, commercial cooking

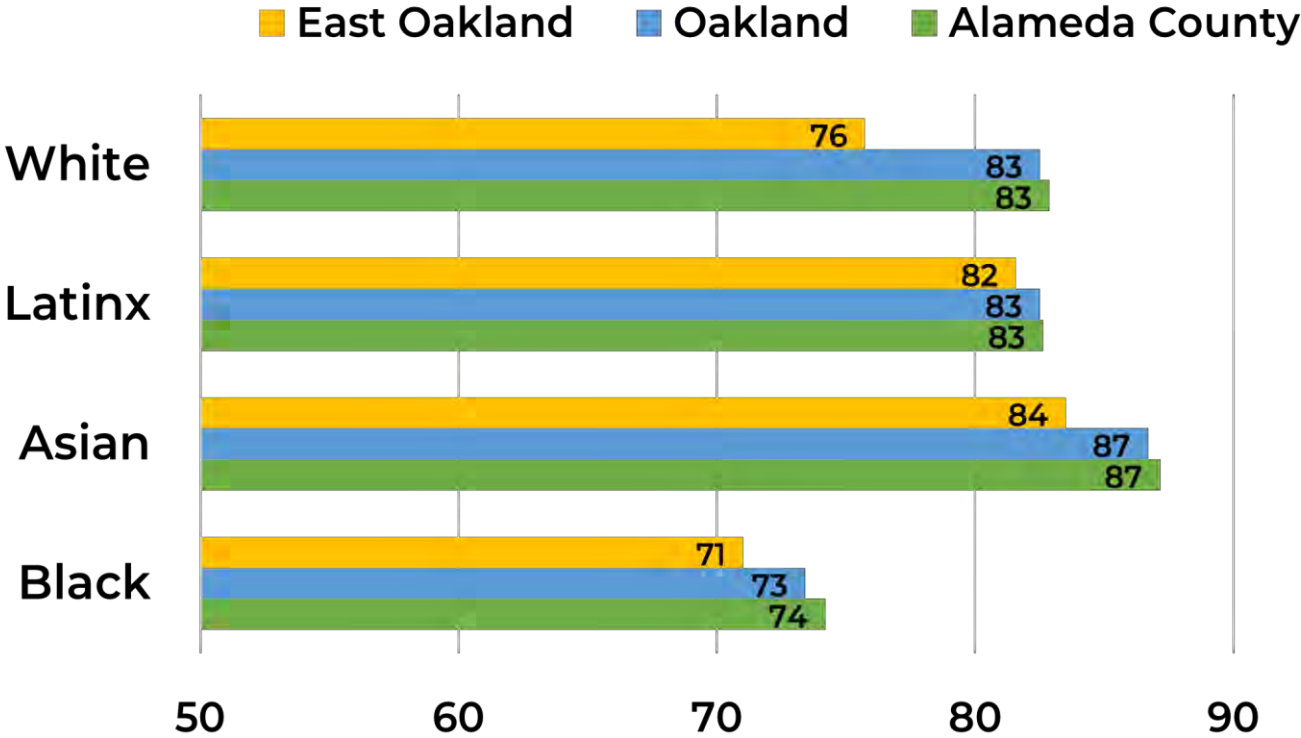




# Disparate Health Outcomes



## Life Expectancy at Birth



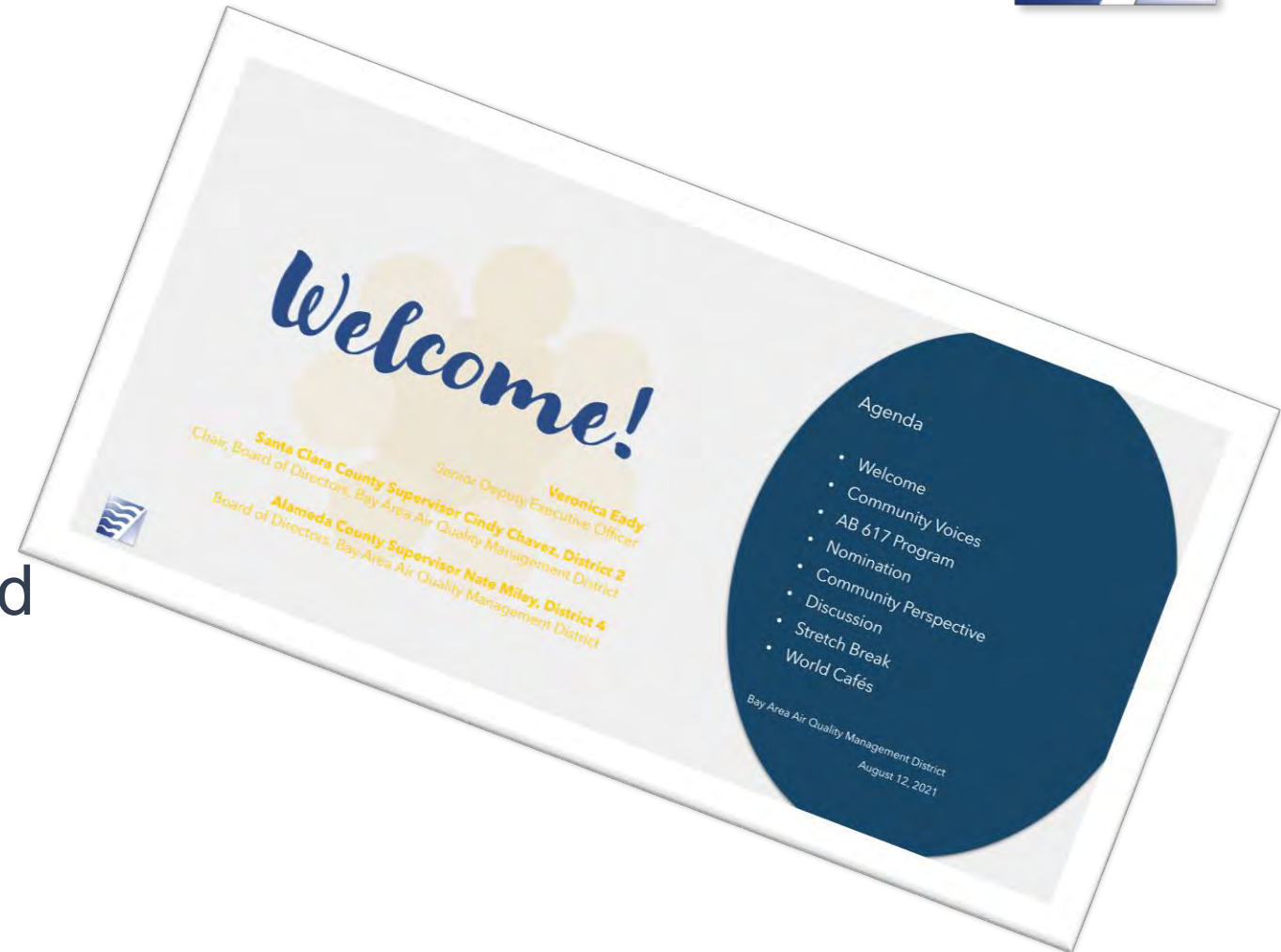
- Lower life expectancy, especially for Black East Oaklanders
- Black East Oaklanders experience higher rates of mortality from lung cancer, heart disease, and stroke than Oakland and Alameda County residents.

# Community Workshop Highlights



August 12, 2021, Community Workshop

- 50 community member attendees
- 1 presentation on East Oakland nomination recommendation
- 8-member community panel

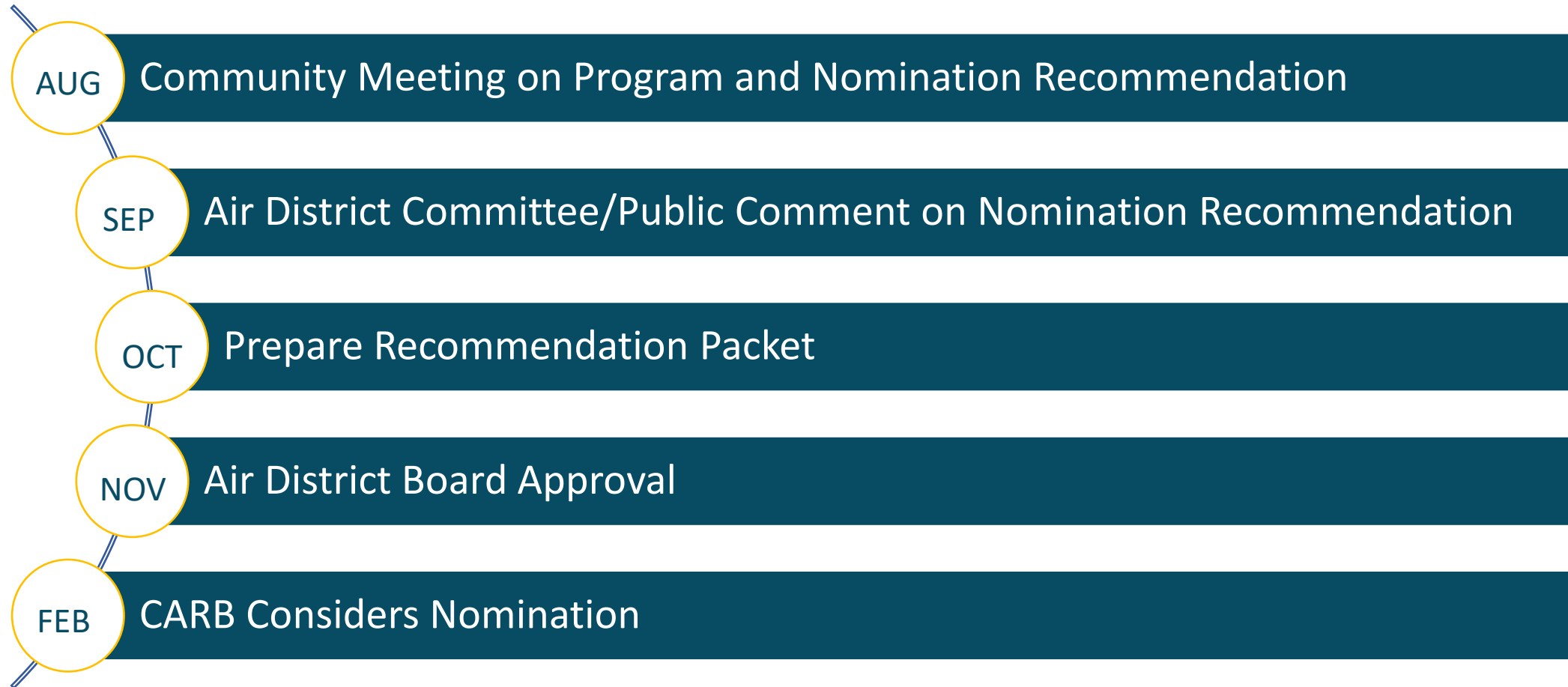




## East Oakland Selection

- Support from leaders across AB 617 communities
- Co-develop process with community
- Lift up voices of local community members and youth
- Provide adequate financial resources for capacity building and leadership development
- Leverage other processes, e.g., SB 1000 (EJ Elements)

# Selection Timeline



# Guest Speakers



## Communities for a Better Environment

# Feedback Requested



The Board of Directors is requested to act on the following:

Approve recommendation to CARB to select East Oakland for a community emissions reduction plan.