

Richmond – San Pablo Community Air Monitoring Plan **Steering Committee Meeting#4**

June 19, 2019

Today's Agenda

- Ι. Welcome, Introductions and Roll Call
- Agenda Review II.
- III. Review of Steering Committee Deliberation Process
- Looking Ahead: Richmond San Pablo Community Air Monitoring Plan Process IV.
- Results of 5/15 Mapping Activity V.
- Options for Initial Air Monitoring Efforts VI.
- VII. Next Steps
- **VIII.** Public Comments

Meeting Objective

Solicit Steering Committee input and a decision on the proposed monitoring effort

Review of Steering Committee Operating Principles

Steering Committee Operating Principles

- Transparency
- Equal Participation
- Inclusivity
- Respectful Engagement
- Facilitated Meetings
- Decision Making







Looking Ahead: Richmond – San Pablo Community Air Monitoring Plan Process

Richmond - San Pablo Area Community Air Monitoring Plan

PHASE 1: IDENTIFY COMMUNITY-SPECIFIC AIR QUALITY CONCERNS



PROJECT DELIVERABLES



Co-Lead Team Activity



Co-Lead Team Activity

5 two-hour meetings since 5/15:

- **SC Input** Review and synthesis •
- **Process Design** Recommendations for process and facilitation
- **Process Coordination** Coordination with CARB grantees •
- *Capacity Building* Monitoring modes •
- *Framing and Presentation* Discuss SC meeting approach, agenda and level • of information to be presented
- **Technical Support** Input and direction for Air District staff •
- **Committee Member Requests** Consideration and responses

Results of 5/15 Mapping Activity



Interactive Map

- Identify the areas or pollutants that the community is concerned about
- Discuss high-priority areas for monitoring
- Discuss monitoring approaches



https://bit.ly/2HcNav5

Results of Mapping Activities

- The SC identified air quality concerns and potential focus areas for additional monitoring
- We need to prioritize focus areas to plan specific monitoring approaches
- Screening monitoring is a good first step to better understand focus areas and identify hot spots

Mapping Results: General Focus Areas

- 1. Prioritize vulnerable and **sensitive populations**/ where people spend time
- 2. Parks
- 3. An "L" along the Chevron fence line and industrial areas along I-580 (North Richmond, South Richmond and San Pablo)
- 4. Towards the **east**
- 5. Monitor air quality at **different elevations** (Hilltop and the flats)
- 6. Block-by-block approach to identify **hotspots**
- 7. Streets and **highways** (Richmond Parkway, roads in West County, San Pablo Avenue, Highways I-80 and I-580)

Focus Areas

- Geographic-based (e.g., entire study area, South Richmond / harbor area, West County)
- Source-based (e.g., Roadways, railways, Chevron)
- Population-based (e.g., Sensitive
 / vulnerable populations, children)
- How to prioritize?
 - Sensitive populations
 - Locations that address multiple concerns
 - Larger sources



Options for Initial Air Monitoring Efforts



Options for Initial Monitoring Efforts

- The identified focus areas are made up of several different and overlapping locations and air pollution sources.
- As a first step, the Co-Lead Team proposes options that:
 - Provide air quality screening throughout the preliminary study area, and...
 - Can be implemented to meet the July 2019 deadline.

Mode: Saturation Sensor network (As long as maintained)

Angel Island



Features:

- Stationary measurements with high time resolution
- Good spatial coverage with dense networks



• Easy to use and deploy

Limitations:

- Limited pollutants (no air toxics)
- Requires significant resources for upkeep
- Lower and more uncertain data quality

Example application: Current air quality at high spatial resolution

Image from PurpleAir website

Yerba Buena



Mode: Mobile Making measurements while in motion





Features:

- Quickly screen for air pollutants over a broad spatial area
- Multiple passes can reveal areas having high pollutant impacts
- Results help direct resources and additional monitoring efforts

Limitations:

- Air quality information at a given place at a given time
- Many passes required to build confidence in results
- Vast amounts of data requiring complicated analysis
- Build out of unit may be costly





Proposal for Initial Monitoring Efforts

Organization	Monitoring mode	Pollutants measured
Groundwork Richmond (CARB grantee)	Saturation: sensor network with 50 monitors	PM _{2.5} , NO ₂ , CO ₂
PSE/APEN (CARB grantee)	Saturation: sensor network with 50 monitors	PM _{2.5} , NO ₂ , O ₃
Aclima (Air District contract)	Mobile: block-by-block screening	PM _{2.5} , NO, NO ₂ , O ₃ , CO, CO ₂

• Looking ahead: We will continue to discuss and prioritize focus areas and monitoring objectives to inform additional monitoring efforts.

Group Discussion

 Should the Steering Committee leverage the three proposed monitoring efforts as a first step for the AB 617 monitoring process? And why?

SC Deliberation

- 35 Steering Committee Members
- Quorum:
 - Majority (51% or 18 members) of active voting members are present; and
 - A majority (51%) of those present represent people who live in the Richmond-San Pablo area.

Deliberation Process



General Votes: Simple Majority

- For all votes except charter amendments, the **majority** vote determines the outcome (51% or more)
- Members who abstain from voting will NOT be counted as part of the total number of votes.
- In a tie, the **Co-Lead Team** will discuss, decide how to move forward and take a separate vote to determine the outcome, and report back to the Steering Committee.

Steering Committee Deliberation

- 1. Would you like to adopt the **Groundwork Richmond** monitoring project as part of our initial monitoring efforts?
- 2. Would you like to adopt the **PSE / APEN** monitoring project as part of our initial monitoring efforts?
- 3. Would you like to adopt the **Aclima** monitoring project as part of our initial monitoring efforts

Would you like to adopt the Groundwork Richmond monitoring effort as part of our initial monitoring efforts?

- A. Yes
- B. No
- C. Abstain





Would you like to adopt the PSE / APEN monitoring effort as part of our initial monitoring efforts?



Would you like to adopt the Aclima monitoring effort as part of our initial monitoring efforts?



No

Public Comments



Next Steps



BAY AREA Air Quality Management District

Next Steps

- Next Steering Committee meeting:
 - –July 10, 2019, 6-8 pm
 - -Richmond Memorial Auditorium (Bermuda Room), 403 Civic Center Plaza
- RSVP for the July 10th meeting by July 3rd
 - https://forms.gle/5TkfqeqB3cn8EMxb6



Steering Committee Meeting Schedule

- July 10, 6:00 8:00 pm
- August 14, 6:00 8:00 pm
- September 11, 6:00 8:00 pm
- October 9, 6:00 8:00 pm
- November 13, 6:00 8:00 pm
- December 11, 6:00 8:00 pm

- agendas, minutes and
- online, visit:
- http://bit.ly/Richmond-

To view Steering Committee PowerPoint presentations

SanPablo-CommunityHealth





Richmond – San Pablo Community Air Monitoring Plan **Steering Committee Meeting#4**

June 19, 2019