Access Clean California









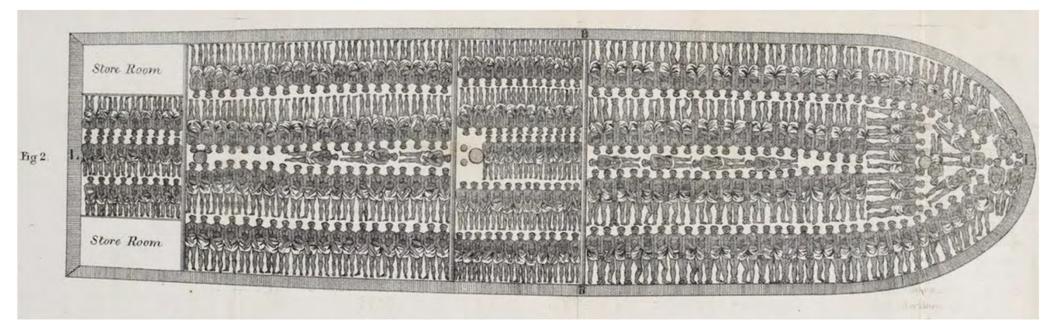
Presentation Overview

Access Clean CA Statewide Project Overview

GRID Bay Area Regional Outreach Overview

Community Perspectives

Questions & Feedback



slavevoyages.org

Approximately 350 Years 20,528 Voyages 10 million people

Access Clean California Pilot Project

Three-year pilot to create easy and comprehensive access to California's transportation equity and related clean energy programs:

- Electric vehicle (EV) incentives
- Charging infrastructure
- Transit vouchers
- Shared mobility
- Solar





SB350 Barriers Studies

	Part A - CEC Clean energy access	Part B - CARB Clean transportation access
Common Barriers	 Structural (e.g. housing type & ownership status, access to capital) Insufficient outreach Insecure/inadequate program funding Siloed programs 	 Community/physical (e.g. infrastructure, safety, etc.) Lack of awareness Affordability Limited program funding & lack of long-term investment
Common Rec'ds	-One-stop-shops for programs -Collaboration with trusted community- based organizations for outreach	-One-stop-shops for programs -Comprehensive outreach plan

Key pilot strategies



1. Streamlined, user-centered application process

Coordinated outreach for equity programs



Streamlined User-Centered Application Process

Integrated incentives for the pilot phase

Regional	Statewide
 Clean Cars 4 All Bay Area (Clean Cars for All) San Joaquin Valley (Drive Clean) South Coast (Replace your Ride) Sacramento (Clean Cars 4 All) Driving Clean Assistance program (Greater Bay Area) Shared mobility programs Los Angeles (BlueLA) Sacramento (Our Community CarShare) 	 Clean Vehicle Assistance Program Clean Vehicle Rebate Project DAC-SASH (Solar)* PG&E Empower EV (Charging)* * - interagency integration pilots



Environmental Justice Communities

Health, education & other service workers





Native American communities

Coordinated Outreach for Equity Programs to EJ Communities

Statewide Outreach Network **Climate Justice and Equity Partners** Trusted Community-Based Organizations (CBOs) California's Largest

Labor Union

Statewide Outreach Network

Climate Justice & Equity Partners

- GRID Alternatives' seven
 California affiliates
- Ecology Action
- Community Environmental Council
- EV Noire
- Community Housing
 Development Corporation

Trusted CBOs

- Central California Asthma
 Coalition's network of 9 Central
 Valley-based CBOs
- Liberty Hill's network of 10 EJ organizations in the LA region
- Six technical assistance & capacity-building pilot CBOs

Native American Communities and Sovereign Nations

- NAEPC
- Blue Lake Rancheria
- Northern Circle Indian Housing Authority

California's Largest Labor Union

• SEUI, with over 700,000 members across the state

What communities need

Centering equity in program design & deployment

Feedback Themes from the Statewide Outreach Network

- 1. Program alignment and coordination
 - a. Qualifications & income verification
 - b. Data & reporting
- 2. Coordinated/streamlined & funded outreach
- 3. Program reliability & transparency (long-term, predictable funding)
- 4. Program creation and design should be informed by these communities
 - Accountability to ensure feedback from communities is addressed and implemented
- 5. Financial Education & Consumer Protection
 - a. 1099 issuance & implications for AGI/other benefit eligibility
- 6. Coordinating with additional government benefits (Calfresh, MediCal)

Access Clean California









GRID Bay Area -Clean Mobility Regional Overview

Outreach

Access Clean CA

Program Delivery

- Clean Cars for All
- PCE Used EV Incentive Program

Construction

- Richmond EV Charging Program
- SVCE Multifamily EV Accelerator
- Single Family Residential EV Charging

Awareness & Education

- CommunityEngagement
- Cross Referrals

Clean Mobility Adoption

- Clean Cars for All
- PCE Used EV Incentive

Associated Infrastructure

- Richmond EVCharging Program
- SVCE Multifamily
 EV Accelerator

Community- Facing

Awareness & Education

- CommunityEngagement
- Cross Referrals
- CBO Partners
- Tribal Partners
- ProgramAdministrators

Clean Mobility Adoption

- Clean Cars for All
- PCE Used EV Incentive
- CVAP, DCAP
- CCA incentives
- Clean Mobility Options

Associated Infrastructure

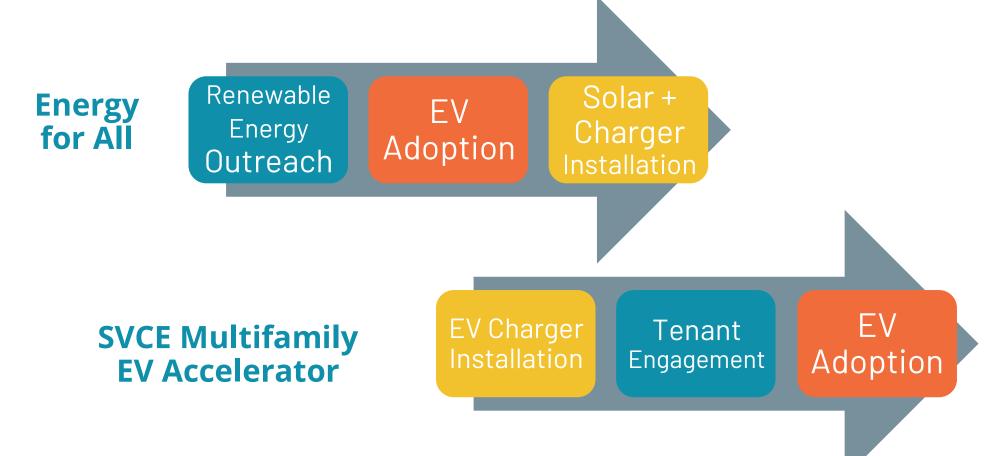
- Richmond EVCharging Program
- SVCE Multifamily EV Accelerator
- EV Grant program add-ons
- CALeVIP, VW Light Duty EV Infrastructure

In-Coordination

Comprehensive & Community-centered



Intentionally Streamlined for each Community



Regional Feedback Themes

- Outreach, Education, and Awareness needs to be culturally and linguistically relevant
- 2. Outreach needs to be funded to support local trusted CBOs who do this work the best
- 3. Climate resiliency programs (mobility, solar, energy efficiency) need to be coordinated and streamlined so communities don't have to go through the same process over and over again to participate

Mobility as an opportunity

Mobility as a risk



Access Clean California

AccessCleanCA.org

Access Clean California is supported by









DISTRICT

Update on the AB 617 Richmond/San Pablo Community Air Monitoring Plan

Community Equity, Health and Justice Committee Meeting May 6, 2021

Dan Alrick, Principal Air and Meteorological Monitoring Specialist dalrick@baaqmd.gov

Dr. Julie Walsh, Monitoring Outreach Team

Presentation Outcome



 Hear updates about the Richmond/San Pablo Community Air Monitoring Plan (CAMP) and how it will inform the Community Emissions Reduction Plan (CERP) process

Presentation Outline



- About the Community Air Monitoring Plan
- Highlights from the ongoing monitoring projects
- About the Monitoring Outreach Team and their mission
- Next steps for data analyses and informing the CERP process

Presentation Requested Action



None; informational item

Overview of the Monitoring Plan



- Monitoring Plan Steering Committee met from April 2019 to July 2020 to develop the CAMP
- CAMP development ended summer 2020
- Inside the CAMP:
 - Why Richmond-San Pablo was selected
 - Steering Committee's work to identify concerns and select monitoring projects
 - Technical information for monitoring projects
- Now in implementation phase



AB 617 Richmond-San Pablo Community Air Monitoring Plan

(Cover of the Monitoring Plan)

Air Monitoring Projects and Datasets



- Existing air monitoring data
 - Air District monitoring sites
 - Chevron monitoring sites and fenceline
- New air monitoring under the CAMP
 - Aclima mobile monitoring
 - Groundwork Richmond/Ramboll sensor network
 - PSE/APEN sensor network
 - Air District air toxics mobile monitoring
- Other monitoring projects related to but not included in the CAMP



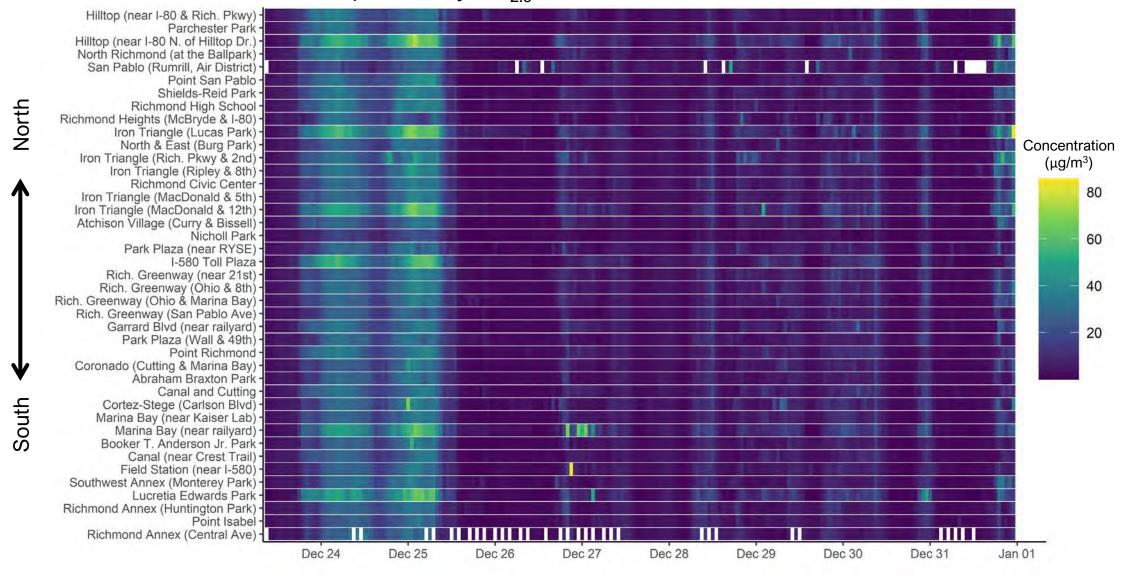
Richmond-San Pablo Monitoring Plan Study Area

Initial Findings and Confirmations

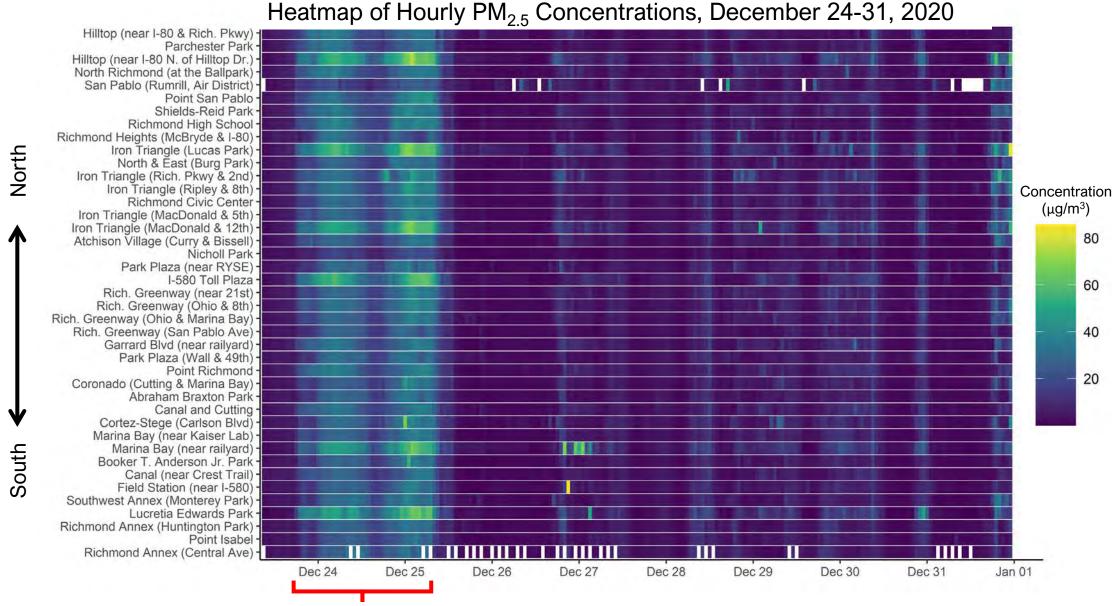


- PM_{2.5} levels across the area show similar day-to-day variability, consistent with regional conditions
- Worst PM_{2.5} days are driven by fires and wintertime episodes
- Shorter-term, more-localized events with higher pollutant levels are also evident and need additional analysis to understand possible contributing factors
- Differences in data from sensor networks vs. regulatory monitoring data need further exploration

Heatmap of Hourly PM_{2.5} Concentrations, December 24-31, 2020



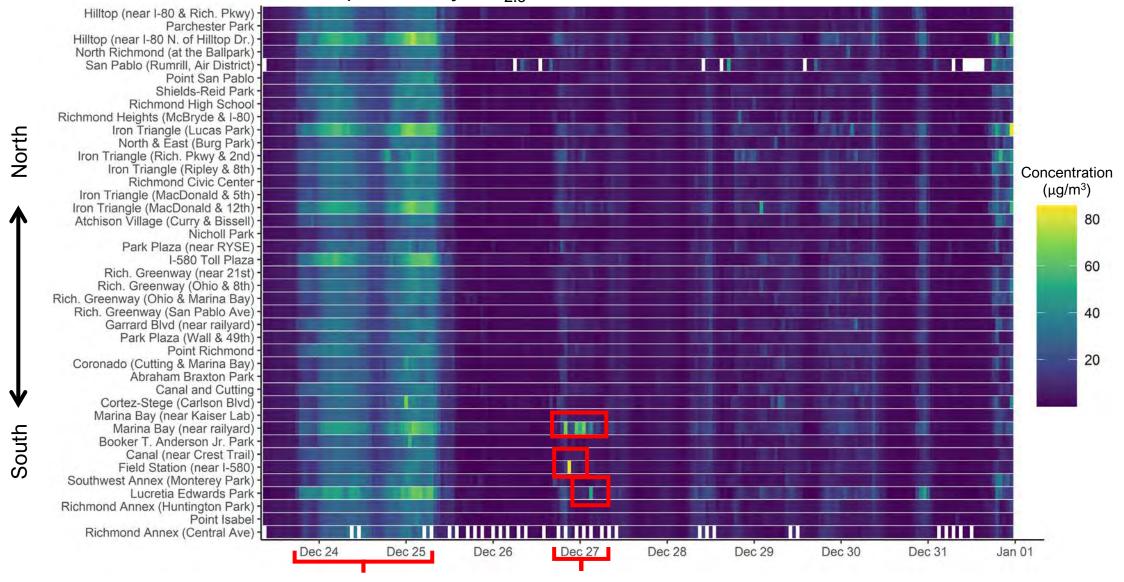
Data from Groundwork Richmond sensor network + Air District's San Pablo regulatory station



Regionally higher PM_{2.5} levels Dec 24

Data from Groundwork Richmond sensor network + Air District's San Pablo regulatory station

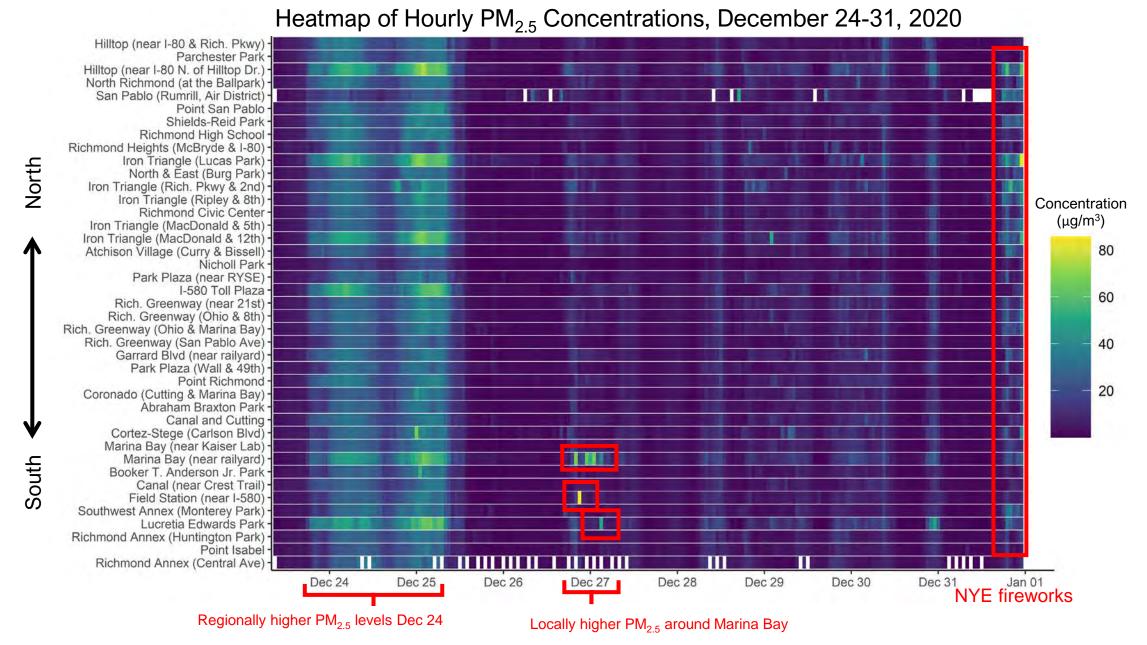
Heatmap of Hourly PM_{2.5} Concentrations, December 24-31, 2020



Regionally higher PM_{2.5} levels Dec 24

Locally higher PM_{2.5} around Marina Bay

Data from Groundwork Richmond sensor network + Air District's San Pablo regulatory station



Data from Groundwork Richmond sensor network + Air District's San Pablo regulatory station

Richmond-San Pablo Summer 2019 8/1/2019 - 10/31/2019 $PM_{2.5} (\mu g/m^2)$ (a) mapbox

Aclima PM_{2.5} Report



 Aclima mobile monitoring conducted August-October 2019

 Web-based report now available highlighting areas where PM_{2.5} levels were persistently elevated

https://rspreport.aclima.tools/



Monitoring Outreach Team (MOT)



 Five members from the Monitoring Plan Steering Committee

- Core responsibilities:
 - Help prepare and review materials for quarterly monitoring updates
 - Plan and conduct outreach efforts

Monthly meetings since October 2020



Quarterly Updates



- Project status reports, data availability, analyses, and findings are summarized in quarterly updates
- March 2021 update included:
 - Fact sheets with initial analyses of selected air toxics and PM_{2.5} data
 - Web-based report prepared by Aclima on measured PM_{2.5} levels
- Posted on Air District website and emailed to key community stakeholders

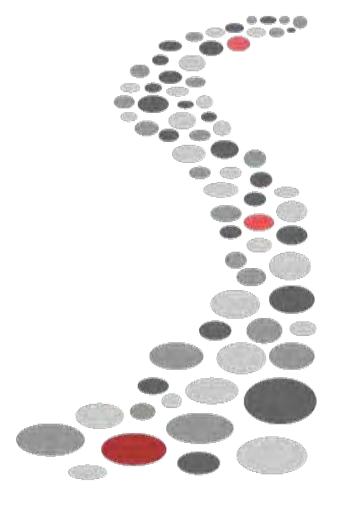
The table below provides information on benzene and established health guidance. It is important to note that benzene is only one air toxics pollutant, and that other air toxics may have different health impacts and be larger drivers behind cumulative health impacts. Air quality modeling, as opposed to air monitoring, is often better suited for se in cancer risk of no n largely below 1.3 µg/m ned exposures over a Initial Analyses of Air Monitoring Data: PM_{2.5} zene in Richmond and Sa As implementation of the Richmond-San Pablo Community Air Monitoring Plan proceeds, the Air District is continuing to gather, prepare, and assess data from existing air monitoring networks. Initial analyses 8.0 ppb. Hourly average of PM25 data are described on the next few pages. PM25 stands for particulate matter with particle stations were mostly well diameters of 2.5 micrometers and smaller, also referred to as fine particulate matter. These initial analyses Richmond monitor in aim to provide an overview of PM2.5 levels in Richmond-San Pablo, examine variations in air quality over time, and identify locations with persistent or unexpected areas of higher pollution levels. A Look Back at Air Quality in 2020 The calendar on the right shows daily Air Quality Index (AQI) values for PM25 in 2020, as reported at the Air District's regulatory monitoring station in San Pablo¹. The AQI, much like an air quality concentrations into a number on a scale between 0 and 500. The numbers in this scale are divided into six color-coded health ranges, based on the EPA 24hour health-based standard. In 2020, the AQI was in the Good or Moderate categories on most days. Wildfire smoke contributed to unhealthy air quality at times, notably urrences of higher air toxics from late August to early October. In general, daily fluctuations in air quality are driven by changes in iect⁹, are intended to provide weather patterns and emissions. The pandemic ing project will use mobile also affected pollution emission patterns in 2020. ographic variability in air toxics from lower-cost sensors that are now in place in many locations across the Richmond-San Pablo area. Data from sensor networks can provide real-time air quality information and help qualitatively track changes in air quality over time in different neighborhoods2. Data from the network of Clarity air quality sensors installed as part of the Groundwork Richmond Air Rangers project are the focus of the next few pages. A "heatmap" like the one shown on the next page is one way to visualize data at many locations

Screenshots from the Q1 2021 quarterly monitoring update

What's Next for the Monitoring Plan



- Continue with data analyses
- Next quarterly update is expected by late June
- Data collection for Air District air toxics monitoring project
- Findings and confirmations will help inform the Community Emission Reduction Plan & other Air District efforts







BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Consideration of AB 617 Richmond-North Richmond-San Pablo Community Emissions Reduction Plan Steering Committee Proposed Stipend for Co-Chairs

Community Equity, Health and Justice Committee Meeting May 6, 2021

Veronica Eady, Sr. Deputy Executive Officer veady@baaqmd.gov

Presentation Outcome



 Recommended Board Action to decide the proposed stipend for the Co-Chairs that will be selected by the Richmond-North Richmond-San Pablo (Path to Clean Air) Area Community Emissions Reduction Plan (CERP) Community Steering Committee.

Background



- On March 3, 2021, the Bay Area Air Quality Management District Board of Directors voted to establish a 31-member community steering committee.
- On April 1, 2021, the Committee voted to approve the stipend amount set at \$100 per member.

Background



The Steering Committee Co-Chairs will be responsible for:

- 1-2 orientation meetings with Air District staff.
- Presiding over Community Steering Committee meetings.
- Meeting multiple times per month with Air District staff to plan agendas and prepare for administering the Steering Committee meetings.
- Providing direction for Air District to develop Community Emissions Reduction Plan Report.
- Presenting for the Air District Board and Committees as needed.

Requested Action



The Committee is requested to act on the recommendation:

Air District staff recommend that the stipend amounts for Cochairs be set to \$300 per CERP Steering Committee meeting attended.



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Update on Transparent and Equitable Funding Expenditures and AB 617 Community Monitoring

Community Equity, Health and Justice Committee Meeting May 6, 2021

Greg Nudd Deputy Air Pollution Control Officer gnudd@baaqmd.gov

Outcome



 Approval of Transparent & Equitable Funding Project.

 Committee and community learn about and provide feedback on community monitoring funding sources and expenditures.

Requested Action



• The Committee is requested to act on the staff recommendation: Approve Transparent & Equitable Funding Project.

 Informational only: Community Monitoring Funding and Expenditures.

Outline



Transparent & Equitable Funding Project

Community Monitoring Information Request

Funding Sources and Limitations

Community Monitoring Expenditures

County Level Expenditures

County Demographics

Improving Location Specific Data

Transparent & Equitable Funding



- Respond to both the specific community requests and to the most recent memo prepared by Air District Board of Directors' Chair Chavez and Secretary Bauters.
- Set the groundwork for a more inclusive and participatory budgeting process for programs that benefit communities, especially inequitably burdened communities.
- Create a framework for including racial equity as a performance metric for Air District external funding programs.

Transparent & Equitable Funding Scope



- Research current data availability regarding funding distribution.
- Make recommendations for improved data collection and tracking of funding distribution processes.
- Clearly communicate current AB 617 program budget and components.
- Describe and map funding distribution into communities with existing data.
- Assess and improve how funding opportunities are communicated to communities.
- Update maps and narrative as improve data collection process.

Transparent & Equitable Funding Roadmap & Timeline



Transparent & Equitable Funding Roadmap

Research	AB 617	Distribution	Opportunities	
Fall 2020 – April 2021	February - June	February - August	March - October	
Data Analysis	Narrative	Funding Sources	Needs Assessment	
Constraints	Budget	CARE/Disadvantaged	Communication Plan	
Recommendations	Community Monitoring	Black/AA Communities	Implementation	

Community Monitoring Request



- Sources of revenue, public and private received and used for community monitoring and affiliated work;
- Restrictions, limitations or other requirements placed on those funds.
- Whether the funding source is ongoing or one-time in nature;
- Expenditure by county and baseline population data.
- Type of expenditure made, e.g. capital investments, staff time, contract services, or operations & supplies.

Funding Sources



Community Air Protection Grants

Provided by state to implement AB 617.

~\$9 million/year.

AB 617 Fee

Passed in June 2020. Applies to Title V facilities.

~\$1 million/year.

Schedule X

Adopted in May 2016. Covers costs of Community Air Monitoring Program.

~\$1 million/year.

Funding Limitations



Community Air Protection Grants

- For AB 617 implementation.
- Steering committees, emissions reduction and monitoring plans, enforcement costs, air monitoring, reporting emissions, and BARCT.
- Staff, capital costs, and professional services.
- Have used funds to provide grants.

AB 617 Fee

- For AB 617 implementation.
- BARCT and other AB 617-related rule making.
- Monitoring of stationary sources.
- Modeling, emissions inventory related to stationary sources.
- Staff, capital costs, and professional services.

Schedule X

- For Community Monitoring Program.
- Evaluation of existing monitors, siting and designing new monitors, installing monitors, and data collection.
- Staff, capital costs, professional services, indirect costs.

Expenditures



Community Monitoring Expenditures, November 2016 – February 2021

Expenditure Type	Total Expenditures	Percent of Total Expenditures ¹		
Capital Costs (equipment)	\$ 1.0 million	17%	ma =	
Professional Services	\$ 3.4 million	57% \$3.2	\$3.2 million, 55% of total	
Staff Time	\$ 1.5 million	25%	Г	
Total	\$ 5.9 million	100%		

¹Percentages may not add to 100 due to rounding.

Expenditures by County



- Air District expenditures are not tracked by county.
- Most Air District expenditures, including for community monitoring, are currently tracked at the regional level.
- In July 2020, however, new billing codes were developed to track expenditures in West Oakland and Richmond-North Richmond-San Pablo.
- The hyper-local mobile monitoring work, contracted to Aclima, was billed by county, enabling reporting of some additional monitoring costs by county.
- Data represents only the best information we have; county-level data is not a complete picture of total community monitoring expenditures by county.

Expenditures by County (cont.)



County	Monitoring Expenditures ¹	Percent of Total Expenditures
Alameda Labor Professional Services	\$ 440,000 N/A 440,000	7%
Contra Costa Labor Professional Services	\$ 621,548 181,298 440,000	10%
Marin/Sonoma Labor Professional Services	\$ 640,000 N/A 640,000	11%
Napa/Solano Labor Professional Services	\$ 640,000 N/A 640,000	11%
San Francisco Labor Professional Services	\$ 40,000 N/A 40,000	1%
San Mateo Labor Professional Services	\$ 280,000 N/A 280,000	5%
Santa Clara Labor Professional Services	\$ 760,000 N/A 760,000	13%
Total	3,421,298	58%

¹County-level expenditures data represents the best information we have. Data is not a complete picture of total community monitoring expenditures by county

County Demographics



	Total Population	White*	Black/ African American*	American Indian, Alaska Native*	Asian*	Native Hawaiian, Pacific Islander*	Two or More Races*	Hispanic or Latino (of any race)
Alameda	1,656,754	31.4%	10.3%	0.3%	29.9%	0.8%	4.5%	22.4%
Contra Costa	1,142,251	43.8%	8.4%	0.2%	16.5%	0.5%	4.7%	25.6%
Marin	259,943	71.2%	2.1%	0.2%	5.8%	0.1%	3.8%	16.0%
Napa	139,623	52.4%	2.0%	0.3%	8.0%	0.2%	2.6%	34.1%
San Francisco	874,961	40.5%	5.0%	0.2%	34.1%	0.3%	4.2%	15.2%
San Mateo	767,423	39.2%	2.2%	0.2%	28.3%	1.3%	4.0%	24.4%
Santa Clara	1,927,470	31.5%	2.3%	0.2%	36.3%	0.3%	3.6%	25.5%
Solano	441,829	38.0%	13.5%	0.3%	15.0%	0.9%	5.5%	26.5%
Sonoma	499,772	63.2%	1.5%	0.5%	4.0%	0.3%	3.3%	26.7%

Source: 2019 U.S. Census Bureau American Community Survey, 5-year estimates data profile

*Not Hispanic or Latino

Improving Location Specific Data



- As part of Air District's *Transparent & Equitable Funding Project*, staff is collecting additional data to demonstrate, where possible, expenditures by location.
- Will include all expenditures across all programs, not only community monitoring.
- All programs, including community monitoring, will be reviewed to determine if location data can be better tracked.

Feedback Requested



- The Committee is requested to act on the staff recommendation: approve Transparent & Equitable Funding Project.
- Discussion of community monitoring funding sources, expenditures and improving location specific data going forward.





Assembly Bill (AB) 617 Fiscal Year Ending (FYE) 2022 Program Plan

Community Equity, Health and Justice Committee Meeting May 6, 2021

Greg Nudd
Deputy Air Pollution Control Officer
gnudd@baaqmd.gov

Outcome



Committee and community learn about and provide feedback on the Air District's initial plans for AB 617 work for Fiscal Year Ending (FYE) 2022.

Requested Action



Information Only. No Action Requested.

Outline



AB 617 Overview

Regional Work

Designated Communities

New and Pending Designation

Future Program

AB 617 Overview



- Originated in negotiations regarding the extension of Cap & Trade program
- Responds to advocates' concerns regarding high levels of air pollution in historically disadvantaged communities
- Directly addresses toxics and criteria pollutants in the most impacted communities
- Initial communities serve as statewide models

AB 617 Communities Statewide



AB 617 Overview (cont.)

Designated Communities

- West Oakland
- Richmond-North Richmond-San Pablo

Communities Pending Designation

- East County (Contra Costa)
- East Oakland
- Eastern SF
- San Leandro
- San Jose
- Tri-Valley
- Vallejo



AB 617 FYE 2022 Work Areas



Regional Work

Designated Communities

New Community

Communities
Pending
Designation

Future Program

Regional Work



Emissions

- Better understanding of PM_{2.5} and toxics across all communities
- Better understanding of contributing sources of air pollution

Planning

- Improved local government assistance
- Best practices: environmental justice general plan elements

Monitoring

- Educational resources on monitoring and data interpretation
- Enhancement of mobile and portable monitoring capabilities
- Hyper-local monitoring data
- Emissions data from facilities

Rules

- New Permitting Rule
- Refinery Heavy Liquid Leaks
- Organic Liquid Storage Tanks
- FCCUs
- Refinery Wastewater
- Dust: Construction/
 Concrete Batch Plants
- BUGs: Data Centers

Designated Communities



West Oakland

- Owning our Air Implementation
 - Annual Progress Report
- Enforcement Plan Implementation
 - Complaints, inspections, violations

Richmond-North Richmond-San Pablo

- Implement Monitoring Plan
- Develop Community
 Emission Reduction Plan

New Community



New Community Selection

- Community Selection Process
 - Criteria for selection
 - Community convenings
- Partner with New Community
 - Seat Steering Committee
 - Begin planning process

Communities Pending Designation



High Priority Communities

- Air quality fact sheets
- Hot Spots analysis
- Air Quality 101
- Interim community boundaries
- Major sources of air pollution

- Building capacity grants
- Community profile
- Inventory of planning efforts

Future AB 617 Program



Future Program Ideas

- Develop and implement program with community:
 - Prioritization of work efforts
 - Community selection
 - Strategies
 - Implementation

Next Steps



- Develop more detailed work program
- Estimate FYE 2022 program costs
- Report back with additional program and budget details

Feedback Requested



Discussion of AB 617 FYE 2022 Work Program