

**Bay Area Air Quality Management District  
Community Air Protection Program  
Annual Report – Grant #20-CAPP-3  
July 28, 2022**

The Bay Area Air Quality Management District is submitting this Annual Report in compliance with requirements of the agreement governing the use of the funds provided through the Community Air Protection Grant #20-CAPP-3. The Air District has expended \$3,234,058 of the \$9,000,000 Community Protection Grant, plus the earned interest of \$28,133. There is a remaining grant balance of \$5,794,075. **This annual report covers activities and expenditures for the period of March 1, 2022 through May 31, 2022.**

A breakdown of expenditures by program element is provided in Table A.<sup>1</sup>

---

The Air District’s AB 617 program builds on a near twenty year “focus-shift” from regional air quality attainment to improving local air quality. The Air District has had much success in improving regionwide air pollution. However, in some areas, local air quality has been slower to improve. There continue to be communities in the Bay Area that experience relatively higher levels of air pollution than the regional average. This is especially true in communities near freeways, busy roadways, distribution centers, and large industrial facilities. These same communities are also often low-income, communities of color.

The Air District began its focal shift from regional to local air pollution in 2004. In 2004, the Air District developed the Community Air Risk Evaluation, or CARE program, to better understand local air pollution and health disparities in the Bay Area. Through the CARE program, staff confirmed that communities near significant air pollution sources consistently have relatively higher levels of air pollution and corresponding health impacts than the regional average. The CARE program was a critical first step for the Air District in reducing community health disparities associated with local air pollution.

Since the passage of AB 617, the Air District has elevated its focus on improving local air quality. AB 617 was an opportunity for the Air District to build a comprehensive community-centered program to reduce air pollution from sources that most impact the Bay Area’s most vulnerable communities. The Air District’s AB 617 program is designed to benefit all communities most impacted by air pollution. The program is built on a foundation of capacity building, community knowledge and understanding, community-decision making, planning, taking action, and monitoring success.

More specifically, the Air District’s AB 617 program includes seven core elements:

- **Build Shared Capacity:** Build community knowledge about air quality and improve Air District’s staff ability to work effectively in community.
- **Understand Community:** Gather existing data about the community and assess information gaps, including demographic, health, socio-economic, and air pollution data. Improve understanding of community health data and local air pollution.
- **Share the Community Story:** Work with community to tell and share their story.

---

<sup>1</sup> The program element expenditure categories presented in Table A differ from those in the Air District’s 19CAPP spending plan.

- **Support Community Decision Making:** Foster and support community leadership and decision making.
- **Plan Solutions:** plan community emission and exposure reduction strategies and enforcement measures, as well as other strategies identified by the Air District or non-designated community.
- **Take Action:** Direct work to reduce air pollution and exposure in communities. Work includes implementing emission reduction strategies and enforcement measures identified in community emission reduction and community air monitoring plans, as well as other strategies identified by the Air District or community members to address concerns in non-designated communities.
- **Evaluate Progress:** Efforts to track and report progress on the implementation of emission reduction plans and progress on the entire program. It includes community emission reduction and community air monitoring plan quarterly and/or annual progress reports.

Major activities that occurred during the reporting period include:

- [Monthly Steering Committees \(remote via Zoom\) and supporting contracts with professional facilitators](#) in West Oakland. The Co-leads continued meeting weekly to guide Plan implementation and to plan monthly Steering Committee meetings. In addition to the monthly Steering Committee meetings. All meetings were remote with logistical support from the Co-leads, implementation team co-chairs and professional facilitators. In the early part of 2022, our community partner, West Oakland Environmental Indicators Project, began focusing their efforts on bolstering community member participation and engagement. This work included planning for and recruiting four new community member steering committee members, including two residents, a faith leader, and an academic member. The Steering Committee created new Implementation Teams to focus on the City of Oakland General Plan Update, to plan a sustainable truck fair, to implement the Prescott Greening biofilters project, and the Sustainable Port Collaborative. During this period, the Health Equity Advisory Committee (HEAC) continued to meet, made presentations to the Steering Committee, and provided the Steering Committee with information about health data available to further evaluate the health impacts in West Oakland.
- Continued implementation of a new online Air Quality Complaint Reporting System to improve the complaint reporting process, updating information on the Air Quality Complaint webpage and complaint brochure, and producing short videos to provide an overview of the complaint investigation process. Collectively, these enhancements will help address community concerns over confidentiality, equity, language interpretation needs for non-English speakers, and provide clarity and transparency to our investigation and enforcement processes.
- Implementing the [Path to Clean Air: Richmond-San Pablo Community Air Monitoring Plan](#). The plan summarizes community outreach, capacity building, and decision making undertaken to date and to guide additional air monitoring in the Richmond-San Pablo area. For the air toxics study that was mapped out in the CAMP, data collection and quality assurance were ongoing through this period and data analysis began.
- [Path to Clean Air, Richmond-North-Richmond-San Pablo, CERP Steering Committee](#) is developing its community-led development of a community emission reduction plan. Monthly meetings of the Path to Clean Air, Richmond-North-Richmond-San Pablo, Steering Committee have been

occurring since April 19, 2021. Steering Committee members and staff organized and led a [Town Hall on March 15, 2022](#) to gather community input on air pollution concerns in the CERP area. Two Ad Hoc Committees of the Steering Committee were formed and held monthly meetings. A Technical Assessment (TA) Ad Hoc, that met from December 2021 through May 2022, helped guide the analysis, interpretation, and presentation of the technical weight of evidence findings (including emission inventory, exposure modeling, and measurements). The TA Ad Hoc will also serve as the initial reviewers of the CERP Air Pollution Overview chapter as well as other technical assessment information throughout the CERP. A Community Description Ad Hoc, that met from October 2021 through June 2022, helped guide the development of the CERP Community Description chapter, including directing the gathering of data and information, and guiding data analysis, interpretation, and visualization. Ad Hoc members also wrote or co-wrote the Community Description and will lead the presentation of the Community Description to the Steering Committee and the process to seek review and finalize the chapter for inclusion in the CERP. To support the Steering Committee, Air District staff created a summary of community concerns, including information from the [Air Pollution and Community Asset Mapping Project](#), the Community Air Monitoring Plan development process by the Monitoring Community Steering Committee and stakeholders, and three years of Compliance and Enforcement activity. Staff also created an easy-to-use ArcGIS Online map reflecting key data sets to support the Community Description Ad Hoc and Steering Committee members.

- Since the Air District approved the [recommendation for the designation of East Oakland to develop a Community Emissions Reduction Plan](#) (CERP) through a community steering committee in 2021 and CARB's final designation in February 2022, staff have been working with Communities for a Better Environment (CBE) to seat the Steering Committee, onboard a facilitator, and plan an approach to the CERP for East Oakland.
- Implementation of a refocused [James Cary Smith Community Grant program](#) (in link, see Agenda Item 11, page 171). The Air District combined elements from the previous James Cary Smith Grant Program and AB 617 Community Readiness grant program to create a combined and refocused James Cary Smith Community Grant program. On [November 3, 2021](#) and [December 1, 2021](#) the Air District Board approved proposed grant awards for all grantees in amounts ranging from \$25,000 to \$100,000 with the possibility of 3-year projects. Projects started March through May of 2022.
- Released regionwide [mobile air monitoring data](#). Data was created via a mobile monitoring data collection project through a contract with Aclima, Inc. More information on the project may be found [here](#).
- Developing [new and amended rules to implement Best Available Retrofit Control Technologies](#) for stationary sources subject to the requirements of the Cap and Trade Regulation.
- Continued collaboration with researchers at the University of California, Berkeley, to advance high-resolution air quality modeling capabilities using the Weather Research and Forecasting model. (See Table A)

- Ongoing [improvements to methods and techniques used in community-scale emissions inventories and modeling](#) of pollutant concentrations and health risks.
- Draft community-scale modeling of toxic air contaminants and fine particulate matter contributing to exposures in the community as [presented to the Community Steering Committee](#).
- Developing a new search tool on the Air District's website for members of the public to view and access information on Notices of Violations issued in communities.

In addition to the links to specific reports and program activities provided above, the Air District has posted [online agendas, presentations and documents](#) developed with support from the Community Air Protection Grant.

**Table A**  
**Bay Area Air Quality Management District**  
**Assembly Bill 617**  
**Implementation Expenditures –March 1, 2022 to May 31, 2022**  
**Grant #G20-CAPP-3**

Program Element & Description	Specific Activities	Staff Costs	Material Costs, Expenses and Professional Services
<b>Overall Program Management</b>	<ul style="list-style-type: none"> <li>• Track and reporting of grant expenditures.</li> <li>• Inter-divisional program management and coordination.</li> <li>• Program design, work plan development for overall program.</li> </ul>	\$137,217	\$0
<b>Build Shared Capacity:</b> <ul style="list-style-type: none"> <li>• Capacity building grants to community groups to share air quality information with the community and build community leadership around air quality issues.</li> <li>• Direct community support to build community knowledge and leadership.</li> <li>• Air quality foundational information and best practices about air quality planning, monitoring, emissions inventories, and modeling of health disparities from air pollution.</li> <li>• Staff training on environmental justice, cultural sensitivity and awareness training and general skills on working in community.</li> <li>• Efforts to build relationships and to improve trust between staff and community members.</li> </ul>	<ul style="list-style-type: none"> <li>• Grantee kickoff event and ongoing support for the 33 community-based organizations awarded funds through the James Cary Smith Community Grant program.</li> <li>• Staff resources to work on building community capacity with residents and public agencies within the Air District Board-designated AB 617 High Priority communities.</li> <li>• Staff trainings on environmental justice, structural racism, collaborative problem solving and conflict resolution in Richmond-North Richmond-San Pablo. Staff participated in a Wood Street tour in West Oakland to learn about the intersection of housing, homelessness, and air quality. Staff also attended an East Oakland Built Environment Tour hosted by Communities for a Better Environment.</li> </ul>	\$165,286	\$915,487
<b>Understand Community:</b> <ul style="list-style-type: none"> <li>• Collect and analyze demographic, socio-economic, health, and land use data.</li> </ul>	<ul style="list-style-type: none"> <li>• Completion of the Mobile Lab’s Air Toxics data collection component of the Richmond-San Pablo Community Air Monitoring Plan, continued data verification and analysis.</li> </ul>	\$1,281,833	\$100,815

<ul style="list-style-type: none"> <li>• Collect and analyze air monitoring data, regional emissions inventory and modeling work, major pollution sources in the community.</li> <li>• Collect information on existing regional and local planning and other efforts that impact the community, including Air District rules and regulations, distribution of incentives, compliance and enforcement history and local planning efforts.</li> <li>• Improve understanding of community health data and local air pollution through community-level community monitoring, emissions inventory, emissions modeling, health assessments, and understanding which sources contribute most to air pollution and health impacts (i.e., source apportionment).</li> <li>• Work with community to better understand their concerns, perspectives and lived experiences.</li> </ul>	<ul style="list-style-type: none"> <li>• Continued to develop and improve Mobile Lab’s monitoring capabilities and methodology</li> <li>• Implementation of a regionwide annual average baseline, mobile air monitoring program through a contract with Aclima, Inc.</li> <li>• Ongoing improvements to methods and techniques used in community-scale emissions inventories and modeling of pollutant concentrations and health risks.</li> <li>• Complete draft community-scale modeling of toxics and fine particulate matter.</li> <li>• Launched an online mapping tool in Richmond-North Richmond-San Pablo and worked with community-based organizations to gather community input on impacts, assets, and sensitive receptors.</li> </ul>		
<p><b>Share Community Story:</b></p> <ul style="list-style-type: none"> <li>• Share all data and information gathered in the “understanding community” work element shared and relayed by and to community in an accessible way that resonates with community, i.e., speaks to their interests, perspectives, and concerns.</li> <li>• Root causes analysis of environmental injustices and inequities to ensure solutions address underlying causes of air pollution, including structural and institutional racism.</li> </ul>	<ul style="list-style-type: none"> <li>• Develop AB 617 program information and community-perspectives for CERPs.</li> </ul>	<p>\$2,184</p>	<p>\$0</p>

<p><b>Support Community Decision Making:</b></p> <ul style="list-style-type: none"> <li>• Formation and support of a formal community decision making body, i.e., a steering committee, subcommittees.</li> <li>• Develop and maintain other community partnerships.</li> <li>• Development of committee charters and a community engagement plan</li> </ul>	<ul style="list-style-type: none"> <li>• Monthly Steering Committee and implementation subcommittee meetings in West Oakland.</li> <li>• Ongoing inter-agency coordination to support implementation of <i>Owning Our Air</i>.</li> <li>• Monthly Steering Committee meetings in the Richmond and San Pablo communities as part of the development of a Community Emission Reduction Plan.</li> <li>• Work to seat East Oakland Steering Committee</li> </ul>	<p>\$292,387</p>	<p>\$0</p>
<p><b>Plan Solutions:</b></p> <ul style="list-style-type: none"> <li>• Explore new rules/rule amendments that may reduce emissions and exposures in communities.</li> <li>• Explore new funding sources to implement strategies, reduce air pollution and/or exposure.</li> <li>• Determine additional compliance and enforcement measures necessary on sources identified as community concerns.</li> <li>• Set community emission and exposure reduction goals and targets.</li> <li>• Determine any potential environmental impacts from selected strategies and measures for inclusion in an emission reduction plan..</li> </ul>	<ul style="list-style-type: none"> <li>• Early work to identify sources of concern and potential strategies for the Richmond-North Richmond-San Pablo Community Emission Reduction Plan.</li> <li>• Beginning and/or continued initial planning ideas for rules, i.e., initial concept ideas for rules, across a variety of sources including refineries, dust from concrete batch plants, construction dust, and residential appliances.</li> <li>• Work to create new incentive and grant programs for mobile and stationary sources.</li> </ul>	<p>\$312,230</p>	<p>\$0</p>
<p><b>Take Action:</b></p> <ul style="list-style-type: none"> <li>• Implement emission reduction strategies and enforcement measures identified in community emission reduction and community air monitoring plans.</li> <li>• Implement other strategies identified by the Air District or community members to address concerns in non-designated communities.</li> </ul>	<ul style="list-style-type: none"> <li>• Work with partner agencies to implement strategies in the West Oakland Community Emission Reduction Plan, <i>Owning Our Air</i>, including finding new funding sources for strategy implementation and research on conflicting land uses in West Oakland.</li> <li>• Continued enforcement efforts, including following up on complaints, conducting inspections, and issuing notices of violations.</li> </ul>	<p>\$26,620</p>	<p>\$0</p>

<ul style="list-style-type: none"> <li>• Implement new and existing grant programs.</li> <li>• Other rulemaking for sources impacting local communities, including all BARCT rules.</li> </ul> <p><i>Note: Most work under this element is charged to permitted facilities, not the CAPP grant. Non-grant costs are not shown in this report and/or table.</i></p>	<ul style="list-style-type: none"> <li>• Developing new grant program for both mobile and stationary sources of pollution, as well as distributing existing incentives.</li> <li>• Rule development, i.e., a new permitting rule, several BARCT rules, rules regarding dust sources impacting communities, a hydrogen plant rule and rules to reduce toxic emissions from backup generators at data centers.</li> <li>• Distribute incentives to reduce pollution from mobile sources within communities most impacted by air pollution.</li> <li>• Perform targeted inspections of sources in communities.</li> </ul>		
<p><b>Evaluate Progress:</b></p> <ul style="list-style-type: none"> <li>• Community emission reduction and community air monitoring plan quarterly and/or annual progress reports.</li> <li>• Overall program evaluation and progress assessment.</li> </ul>	<ul style="list-style-type: none"> <li>• Continued tracking of progress on the implementation of strategies in the West Oakland Community Emission Reduction Plan, <i>Owning Our Air</i>.</li> </ul>	\$0	\$0
	<b>TOTAL</b>	<b>\$2,217,757</b>	<b>\$1,016,301</b>