

**AB 617 Community Air Protection Program
(G22-CAPP-19)**

FINAL ANNUAL REPORT

August 1, 2024 – July 25, 2025

Submitted July 25, 2025

1. Introduction

The Monterey Bay Air Resources District (MBARD) received grant funds from the California Air Resources Board (CARB) to implement the Community Air Protection Program (CAPP) consistent with the goals of Assembly Bill 617 (AB 617).

This submission of the final annual report for grant agreement G22-CAPP-19.

This annual report satisfies Section 3.B of the grant agreement by providing the following information:

- Report number, title, name of Grantee, date of submission, project Grant number;
- Report costs associated with specific tasks;
- Report how grant is being utilized to meet goals of Assembly Bill 617. If applicable, include emission reductions being achieved;
- Summary of work completed;
- Grant funds remaining and expended; and
- Expenditure summary showing all Community Air Protection Program Implementation Funds for which disbursement is being requested.

2. Work Completed and In Progress

This section summarizes the tasks and the dates each task was completed to implement the Community Air Protection Program. During the first annual reporting period due July 30, 2024, no tasks were completed under this grant. This report summarizes the tasks completed from August 1, 2024 to July 25, 2025.

The work done by MBARD under the AB 617 Implementation Grants supports the goals of CARB's Community Air Protection Program Blueprint 2.0 (BP 2.0) dated October 2023. Specifically, MBARD's tasks outlined in this report support the following BP 2.0 goals:

- Goal 4 – Partner with Air Districts to Enhance Stationary and Mobile Source Strategies
- Goal 8 – Make Program and Air Quality Information and Tools More Accessible to Communities

MBARD does not have an identified AB 617 Community, however, there are a few disadvantaged communities within our jurisdiction which are identified on our website:

<https://www.mbard.org/ab-617-community-air-protection>. This map helps to identify areas for projects for funding in our AB 617 CAPP Incentives Program. During this reporting period, the

primary focus was supporting implementation of the statewide system of annual reporting of emissions of criteria pollutants and toxic air contaminants from stationary sources.

Table 1. Summary of Work Completed Under G22-CAPP-19

Activity Completed	Date
Work Completed on Grant G22-CAPP-19	
Updated Smoke Sensor Network Map on Website – Map Sourced from Clarity	February 2025
Improved instructions to search for permits online along with using the GIS map to identify permit locations	Ongoing
Continue Participation in BACT/BARCT Working Group	Ongoing
Emission Reporting- Continue to Support Regulated Sources, Draft advisories for subject sources, Create and send report forms to sources, Work on internal enhancements to permit database to facilitate implementation of the Criteria and Toxics Reporting Regulation	Ongoing
Continue Improving Outreach	Ongoing
Submission of Reports as Required by AB 617 Grant Agreements	Ongoing

2.1 COMPLETED WORK

This section provides more details regarding the work completed to implement the Community Air Protection Program under Grant G22-CAPP-19 as described in Table 1. Part Two of the BP 2.0 identifies Implementation Guidance for use by air districts and presents the statewide strategy to implement the statutory requirements of CAPP. MBARD supported the following BP 2.0 strategies during the reporting period:

- Enhanced Reporting of Pollutant Emissions
- Accessing Community Scale Air Quality Monitoring Data
- Addressing Emissions from Stationary Sources
- Making Stationary Source Permits More Accessible

MBARD continues to explore ways to improve outreach to our communities such as through creating versions of our newsletter, radio/TV advertisements, press releases, and public notices in Spanish, and attending outreach events. Additionally, BP 2.0 identifies environmental complaints as a pathway for community action. During this grant period, MBARD added an online complaint submission option on our website so the public is able to submit complaints online which go

directly into our database. MBARD also created an online public records request form to simplify the process for the public to request information.

Enhanced Reporting of Pollutant Emissions

To support the continuing rollout of the criteria pollutant and toxics reporting regulation, MBARD staff continue to work on enhancements to our permit database. This includes adding new data fields to capture information required to report, entering data into the database, and reviewing existing data in the database to ensure for example the units of measure are in the correct format.

In 2025, MBARD hired an air quality technician with the primary job duty of supporting the additional emission reporting requirements for calendar year 2024 data reported in 2025. The air quality technician updated report forms, mailing lists, updated emission calculation spreadsheets, communicated with sources to collect data, entered data, received training on the HARP Emission Inventory Module (EIM), and began to input data into EIM to ultimately submit a transaction file to CARB for the 2024 reporting year.

Accessing Community Scale Air Quality Monitoring Data

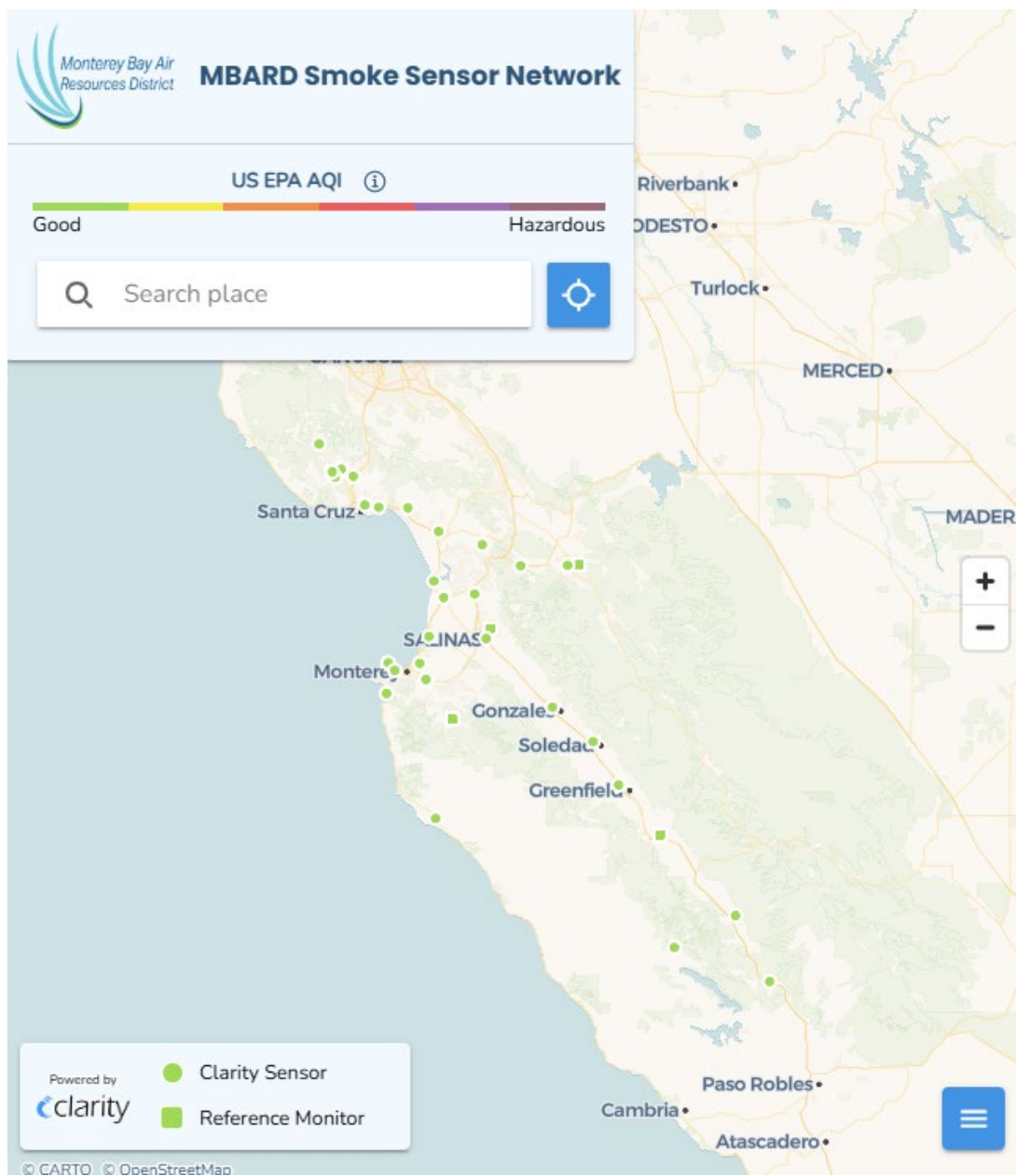
In 2021, MBARD's planning and air monitoring teams began a first of its kind project to establish a smoke sensor network within our jurisdiction. Over the past three years, this network and the data provided to the public on our website has progressively improved. MBARD utilizes Clarity's Sensing-as-a-Service solution and was able to more than triple the number of air quality measurement points available to the public view online while saving staff time and minimizing the overhead associated with managing a network of regulatory air quality monitoring equipment.

MBARD installed 30 sensors in the local incorporated jurisdictions and in more densely populated unincorporated areas of the three counties of Monterey, San Benito, and Santa Cruz. Several of the Clarity PM_{2.5} sensors were installed in disadvantaged and low-income communities and near highways to gain a better understanding of localized PM_{2.5} impacts. The Clarity PM_{2.5} sensors are self-powered with a solar battery pack and transmit data using the cellular network. These features improve MBARD's ability to provide timely data to the public on our website.

To further enhance the sensor map, MBARD worked with Clarity to update the map. Users can now click on a sensor dot on the map and view the hourly PM_{2.5} concentrations, the address of the sensor location, and a picture of the location. The flexibility of using sensors allowed MBARD to temporarily install a sensor at a school prior to Cal Fire conducting a nearby prescribed burn to ensure there were no smoke impacts. MBARD was also able to install a sensor in Moss Landing closer to the location where the battery storage fire occurred in January 2025. The ease of installation, low cost, and public access to the data have made sensors a useful tool for monitoring

PM_{2.5} especially as an indicator of smoke. Figure 1 shows the updated PM_{2.5} Smoke Sensor Map available on MBARD's website: <https://www.mbard.org/wildfire-smoke-sensor-network-information-and-resources>.

Figure 1 Smoke Sensor Map



Addressing Emissions from Stationary Sources

One aspect to address emissions from stationary sources was completion of an expedited BARCT schedule. MBARD's expedited BARCT schedule was approved by the Board of Directors on November 14, 2018. The final rule in the BARCT schedule was addressed in October 2023. MBARD has completed the statutory requirements outlined in AB 671 for an expedited BARCT schedule.

Another statutory requirement of AB 617 to address emissions from stationary sources is CARB's development of a Technology Clearinghouse. MBARD staff continue to participate in bi-weekly BACT/BARCT committee meetings hosted by CARB. MBARD staff provided input into the new online Technology Clearinghouse page which included comments on responses to community questions about stationary sources on topics such as new source review, BACT, and air district permitting.

Making Stationary Source Permits More Accessible

MBARD continues to improve the permit search tool on our website which is connected to our permit database. We improved instructions to help the public navigate the permit search page to access pdf copies of permits to operate. Permits can be searched by company, address, or permit number. MBARD also created an improved GIS map showing the locations of permits within Monterey, San Benito, and Santa Cruz counties. This has been a collaboration between MBARD's Engineering, Compliance, and Planning departments. Each dot on the map shown below represents a permit. The public can click on the dot to obtain further information such as the permit number, company name, permit description, and address.

2.2 ACCOUNTING

MBARD is submitting a reimbursement request for the total grant amount of \$93,960.00. The following summarizes the grant funds expended:

- Grant funds received as advanced payment: \$0
- Interest income: \$0
- Grant funds per disbursement request: \$93,960
- Grant funds remaining to be disbursed: \$0

The summary of costs are included with the Disbursement Request Form and supporting documents attached to this report.

3. Conclusion

This annual report documents MBARD's ongoing work to implement CAPP under Grant G22-CAPP-19. MBARD is supporting the goals of BP 2.0 by supporting the regulated community in complying with emission inventory reporting requirements, participating in BACT/BARCT meetings to remain current on lower emission technologies, seeking ways to improve communication to the public, deploying PM_{2.5} sensors in disadvantaged communities to improve access to air quality data, and maintaining a permit map which allows the public to gain information about permitted sources.

Disbursement Request Form

(Submitted separately via email to: accountspayable@arb.ca.gov)

Office of Community Air Protection
Exhibit A, Attachment 2
COMMUNITY AIR PROTECTION PROGRAM
GRANT DISBURSEMENT REQUEST FORM

General Information				
Grantee Name	Monterey Bay Air Resources District		Grant Number	G22-CAPP-19
Contact Person	Amy Clymo		Amendment #	
Mailing Address	24580 Silver Cloud Court, Monterey, CA 93940		Fiscal Year	
Phone Number	(831) 647-9411		Disbursement #	1
FAX Number				
Disbursement Request				
	Grant Amount	Total Previous Disbursement	This Request	Remaining Balance
Program Funds	\$93,960	\$0	\$93,960	\$0

☒ Documentation attached for disbursement justification:

Attachments:

Summary of Costs

I certify under penalty of perjury that the information contained in this Grant Disbursement Request Form and all attachments is correct and complete and is in accordance with the Grant Agreement. In addition, I hereby authorize the California Air Resources Board to make any inquiries to confirm this information.

Authorized Official

Richard A. Stedman

Air Pollution Control Officer

Print Name

Title

07/25/2025

Signature

Date

FOR STATE USE ONLY

Received by CARB

Date to Accounting

to SCA

CARB Project Liaison Approval

Print Name

Signature

Date

Grant Manager Approval

Print Name

Signature

Date

Financial Operations Branch
Approval

Print Name

Signature

Date

Total Disbursement:

Fund:

PCA:

Monterey Bay Air Resources District - Grant Summary

Grant Number G22-CAPP-19

Category	Funds Expended
Advanced Payment	\$0
Expenditure Categories	
-Staff Time	\$78,301
-PM2.5 Smoke Sensor Network with a Focus on Disadvantaged Communities (Clarity Sensor Costs), Cloud- Based Permit Database and Electronic Document Software, Spanish Language Outreach	\$62,919
Interest Income	\$0
Total Expenditures	\$141,220
TOTAL DISBURSEMENT REQUEST	\$93,960

Monterey Bay Air Resources District - Staff Time
Grant Number G22-CAPP-19

Time Frame	Job Classifications	Work Hours (hrs)	Hourly Wage (\$)	Fringe Benefits (\$/Hour)	Total Hrlly Rate With Benefits		Wages Expense	Benefits Expense	Totals	Grant Tasks
8/1/2024-7/25/2025	Engineering & Compliance Manager	58	\$ 88.07	\$ 83.78	\$ 171.85		\$ 5,108.06	\$ 4,859.24	\$ 9,967.30	Establishing best available retrofit control technology requirement, Participation in CARB BACT/BARCT Committee, BARCT Rule Implementation, Technology Clearinghouse Review, Permit Database Administration, Emission Inventory, Other Community Air Protection implementation effort
8/1/2024-7/25/2025	Engineering & Compliance Specialist	40	\$ 47.31	\$ 54.62	\$ 101.93		\$ 1,892.40	\$ 2,184.80	\$ 4,077.20	Permit Database Administration, electronic document system, support for permit map, website updates
8/1/2024-7/25/2025	Engineering Supervisor	78	\$ 81.32	\$ 80.97	\$ 162.29		\$ 6,342.96	\$ 6,315.66	\$ 12,658.62	Establishing best available retrofit control technology requirement, Participation in CARB BACT/BARCT Committee, Technology Clearinghouse Review, BARCT Rule Implementation, Criteria and Toxics Emission Inventory/Reporting, Other Community Air Protection implementation effort
8/1/2024-7/25/2025	Air Quality Technician	780	\$ 35.70	\$ 16.04	\$ 51.74		\$ 27,846.00	\$ 12,511.20	\$ 40,357.20	Criteria and Toxics Emission Inventory/Reporting, Other Community Air Protection implementation effort
8/1/2024-7/25/2025	Planning and Air Monitoring Manager	11	\$ 78.02	\$ 59.26	\$ 137.28		\$ 858.22	\$ 651.86	\$ 1,510.08	Oversee establishment and maintenance of smoke sensor network, Other Community Air Protection implementation effort
8/1/2024-7/25/2025	Planning and Air Monitoring Supervisor	23	\$ 62.46	\$ 55.05	\$ 117.51		\$ 1,436.58	\$ 1,266.15	\$ 2,702.73	Oversee establishment and maintenance of smoke sensor network, Other Community Air Protection implementation effort
8/1/2024-7/25/2025	Air Monitoring Specialist	53	\$ 38.23	\$ 24.45	\$ 62.68		\$ 2,026.19	\$ 1,295.85	\$ 3,322.04	Maintain smoke sensor network
8/1/2024-7/25/2025	Sr. Air Monitoring Specialist	6	\$ 51.74	\$ 48.84	\$ 100.58		\$ 310.44	\$ 293.04	\$ 603.48	Maintain smoke sensor network
8/1/2024-7/25/2025	Planner I	6	\$ 40.24	\$ 16.54	\$ 56.78		\$ 241.44	\$ 99.24	\$ 340.68	GIS map of permit locations and data, GIS map of diesel engines in disadvantaged communities
8/1/2024-7/25/2025	Administrative Services Manager	8	\$ 74.44	\$ 32.55	\$ 106.99		\$ 595.52	\$ 260.40	\$ 855.92	Other Community Air Protection implementation effort
8/1/2024-7/25/2025	Air Pollution Control Officer	8	\$ 121.47	\$ 116.75	\$ 238.22		\$ 971.76	\$ 934.00	\$ 1,905.76	Other Community Air Protection implementation effort
Totals		1,071					\$ 47,629.57	\$ 30,671.44	\$ 78,301.01	

"Other Community Air Protection implementation effort" includes activities such as, outreach, program oversight, report writing, grant administration, website improvements, electronic document system, and meetings.
The values show for the totals were rounded.

Costs for AB617 Reimbursement - Software Tools and Outreach

	Total Invoice Amount	Amount Applied to Grant
Accela Permit Database	\$69,556.44	\$27,822.58
Clarity Movement Co (sensors, subscription)*	\$35,751.45	\$18,623.32
Streamline (website)	\$5,052.00	\$2,020.80
Radio Spots in Spanish	\$6,000.00	\$3,000.00
Laserfiche Support for Permit Document Retrieval	\$28,630.00	\$11,452.00
	\$144,989.89	\$62,918.70

*Sensor costs billed every six months