

Placer County Air Pollution Control District AB 617 Grant Agreement Annual Report

Annual Report #6

Grantee: Placer County Air Pollution Control District

Report Date: June 14, 2024

Grant #: G22-CAPP-23

This annual report is prepared for funds received by the Placer County Air Pollution Control District (District) to implement the Community Air Protection Program (CAPP) under Assembly Bill 617 (AB 617) between April 22, 2023, and May 31, 2024. It includes 1) a summary of all activities associated with tasks conducted by the District under the CAPP, 2) costs related to specific tasks in this reporting period, and 3) a summary of the CAPP Implementation funds received, expended, and remaining balance.

1. Summary of Tasks with associated work completed in the fifth annual reporting period

The District developed the work plan with the following specific tasks to implement the CAPP and satisfy the grant agreement requirements. Each task is described in the following sections with the summary of work completed in this reporting period.

Task 1 – Execute the grant agreement. The District’s Board of Directors approved grant agreement G18-CAPP-23 with the California Air Resources Board (CARB) to accept CAPP Implementation Funds on April 11, 2019. In the same approval, the Board of Directors also authorized the Air Pollution Control Officer (APCO) to accept future CARB grant agreements for CAPP implementation. Accordingly, the District executed the grant agreement G19-CAPP-23 on April 20, 2020 to accept the total amount of \$48,590, the grant agreement G20-CAPP-23 on May 13, 2021 to accept the total amount of \$46,980, the grant agreement G21-CAPP-23 on August 3, 2022 to accept the total amount of \$46,980, the grant agreement G22-CAPP-23 on June 29, 2023 to accept the total amount of \$46,980, and the grant agreement G23-CAPP-23 on November 20, 2023 to accept the total amount of \$101,255.

The funding supports the District’s activities associated with the continuous implementation of CAPP. The grant agreement specifies the activities eligible for funding which includes selecting communities, developing community air monitoring systems, and deploying fence-line monitoring devices. The funds can also support the development of an expedited schedule for best available control technology (BACT), best available retrofit control technology (BARCT), the implementation of mandatory emission reporting regulation, and the Community Emissions Reduction Programs to reduce emissions within communities.

Task 2 – Conduct outreach for program implementation. Due to the proximity to both the Union Pacific Railroad (UPRR) Company’s J.R. Davis Roseville Rail Yard (Rail Yard) and Interstate Highway 80 (I-80), the District continues to work with the City of Roseville, and surrounding community, to introduce the CAPP, solicit ideas on potential emission reduction projects, and hear concerns. To enhance community outreach efforts, the District partnered with the Health Education Council (HEC); a local community organization with recognized experience in efforts to improve resident health through community consensus building, education, and outreach, especially in low-income neighborhoods.

The contract with HEC incorporates Invest Health Roseville Advisory Committee’s assistance with establishing and coordinating a community forum to identify the community’s concerns, and to publicize workshops, community meetings, public hearings, and other outreach events to enhance public engagement. District staff regularly engage with the committee at their monthly meetings and have the opportunity to provide monthly updates and discuss and receive feedback regarding the use of incentive funds. HEC also facilitates the District’s participation in local community events. In addition, HEC joins a series of listening sessions led by *Placer People of Faith Together* across the county, including sessions held in AB1550 low-income community areas. The participation is to learn about challenges and ongoing needs of Placer residents and air quality challenges among residents living in AB1550 low-income community areas.

In October 2023, the District, HEC, and the Roseville Coalition of Neighborhood Associations organized a community resource fair and movie night at Weber park in Roseville to celebrate Clean Air Day. The District hosted a booth with informational and promotional materials to reach out to event participants for air quality awareness and promote actions that reduce air pollution. People shared their air quality-related concerns and learned how to stay informed of up-to-date, local air quality conditions and how to prepare and respond to smoke impacts during wildfire. There was a demonstration of low-cost air sensors and how to construct a DIY air cleaner, and resources about masks, clean rooms and sustainable transportation options. Scooter, the Spare the Air mascot, made a special appearance with a reminder that good air quality is important for everyone, especially kids, because their developing lungs are more sensitive to air pollution. District staff also provided information regarding the District incentive programs and the availability of funding for projects that reduce air pollution in disproportionately impacted communities.

For the 2024 Clean Air Grant program, the District shared the program information with the HEC advisory committee including available fundings and eligible project categories for CAP Incentives program. Staff also worked with HEC to broadcast the CAP Incentive program information

through its social media (Facebook and Instagram) and share it with regional partners subscribed to its email list. On May 8, 2024, District staff joined the local Air Quality Awareness Week events at Rex Fortune Elementary School, Roseville in the morning for its “Bike and Roll to School Day” to promote how sustainable transportation choices can benefit air quality and our physical health. On the same day evening, the District worked with the HEC to host a community workshop at Kaseberg Elementary School, Roseville to promote how community members can increase the air quality awareness and work together with the District for clean air. The workshop topics included the discussion of the health impacts of air pollution in Roseville area, the projects that were implemented to improve air quality in schools and neighborhoods, the preparation for the coming wildfire season, and the ideas/thoughts for clean air projects. In addition, the District published the CAP program flyers in the weekly Placer County E-Newsletter and several local publications to reach potential applicants countywide. All public outreach efforts for promoting the Clean Air Grant Program were throughout the entire project solicitation period until the end of May.

The District will continue working with HEC and other local partners to utilize more media outlets, outreach tools, and information dissemination channels. The efforts will enhance and broaden the CAPP to increase awareness and obtain additional input for CAPP implementation in Placer County.

Task 3 – Implement mandatory emission reporting regulation under AB 617 requirements.

AB 617 requires that CARB establish a uniform statewide system for annual reporting of criteria pollutant and toxic air contaminants for stationary sources. On December 14, 2018, the Criteria Air Pollutants and Toxic Air Contaminants Reporting Regulation (or CTR Regulation) was adopted by the CARB Board and was amended on November 19, 2020. The amendments to CTR are effective January 1, 2022. According to the CTR Regulation, the District will report required facility activity data based on facility sectors in Phase 1 starting 2025 and report the complete data from all subjected facilities in 2029.

The District has been working to enhance the existing facility permitting database with an emission calculation and reporting function since 2022. The database now contains an emission reporting module that has built-in calculation equations for each permitted facility to calculate criteria pollutant’s emissions based on facility’s self-reported annual throughput data and to generate an emission and activity report that satisfies the CTR Regulation reporting requirements.

Staff verified if there were any missing facility, new facility, or closed facility that should be added or removed from the database. After verifying facilities, staff reviewed facility data to identify

any discrepancies needing correction and all required information was included to establish a profile. An individual emission calculation table in the emission report module was created for each facility. The table identified facility's owned device(s) and process(es) with calculation equations for each criteria pollutant and air toxics emission calculation. During this reporting period, all 868 facilities with 1,503 permits were shifted to the new database completely. Emission calculation tables for all types of permit categories have been established and were used to calculate facility related emissions. All facilities related criteria pollutant and toxic emissions were submitted to CARB on November 3, 2023. The District continues working on the QA/QC checks the data for all facility profiles, associated permits, and pollutant emissions to ensure the database produces accurate facility emission reports meeting the CTR Regulation requirements.

The database also designs an on-line reporting portal that allows facility operators to report all required data directly into the database. The District completed development of the emission reporting module and is working on transferring, reviewing, and updating facility profiles to the database. Beginning in 2024, facility operators will be asked to use on-line reporting portal to submit their annual throughputs to the District for the emission report preparation. This on-line reporting portal streamlines the processes of throughput data updating, emission calculation, and facility related emission reporting.

The District continues participating in the CAPCOA working group to collaborate with CARB staff to evaluate further applicability requirements for facility emission reports. The collaboration will ensure accurate and comprehensive inventories, which will support CAPP implementation and improve data transparency and public data access.

Task 4 – Participate in the AB 617 working group and advisory committees created by CARB and CAPCOA. To implement the CAPP, CARB and CAPCOA are working collaboratively through working groups and advisory committees. The scope of these working groups includes the possible amendment of guidance for community selection, the BARCT review and implementation schedule, emission data collection and reporting, monitoring equipment recommendations, and funding allocations. The District continues to participate in these groups and committees to help characterize community-specific air pollution challenges and identify critical components for community monitoring plans and emission reduction plans. Although there is currently no selected community under CAPP in Placer County, District staff will continue to participate in these groups to acquire experience and knowledge from air district colleagues, thereby improving the District's response to concerns from Placer's communities.

Task 5 – Administer Program Implementation. The grant agreement includes the administrative requirements for program implementation. This includes 1) preparing grant disbursement requests, 2) tracking program funding payments and earned interest, 3) developing a program work plan, 4) identifying program-related tasks, 5) coordinating District resources for program implementation, and 6) preparing and submitting reports to CARB for program implementation. These are ongoing efforts, and District staff will continue working on them through the end of the grant term, or until all funds are expended.

2. Summary of expenditures associated with each specific task

For the sixth annual reporting period, the District’s expenditure included staff hours spent on task development and implementation. The following table summarizes the staff hours spent on each task and the associated costs, from April 22, 2023, to May 31, 2024.

Specific Task	Staff Hours	Costs
#1 Grant Agreement Approval	24	\$3,417
#2 Public Meetings and Outreach	127	\$20,664
#3 Emission Reporting Regulation	267	\$42,300
#4 Working Groups Participation	30	\$4,872
#5 Program Administration	73	\$11,088
Total	521	\$82,340

3. Summary of grant funds received, expended, and remaining balance

The District’s funding to date to implement the CAPP-23 program, including interest earned, is \$455,369. As of May 31, 2024, associated program implementation expenditures were \$358,548 in total and the current remaining balance of the grant over the six years is \$96,821. Accordingly, the \$97,092 grant award received in FY 18-19 (G17-CAPP-23), the \$82,138 grant award received in FY 19-20 (G18-CAPP-23), the \$48,590 grant award received in FY 19-20 (G19-CAPP-23), the \$46,980 grant award received in FY 20-21 (G20-CAPP-23), and the \$46,980 grant award received in FY 21-22 (G21-CAPP-23) have been fully expended. The table below summarizes the funds received, spent, and the remaining balance of May 31, 2024.

CAPP-23 Grant Funding Tracking (All-Time)	
G17-CAPP-23 (Year 1) grant request (5/1/2018)	\$62,092
G17-CAPP-23 (Year 1) grant request (2/19/2019)	\$35,000
G18-CAPP-23 (Year 2) grant request (9/27/2019)	\$82,138
G19-CAPP-23 (Year 3) grant request (12/14/2020)	\$48,590
G20-CAPP-23 (Year 4) grant request (12/2/2021)	\$46,980
G21-CAPP-23 (Year 5) grant request (12/19/2022)	\$46,980
G22-CAPP-23 (Year 6) grant request (2/16/2024)	\$46,980
G23-CAPP-23 (Year 7) grant request (3/8/2024)	\$80,160
Interest Earned (FY 18-19)	\$1,256
Interest Earned (FY 19-20)	\$1,518
Interest Earned (FY 20-21)	\$570
Interest Earned (FY 21-22)	\$313
Interest Earned (FY 22-23)	\$1,150
Interest Earned (FY 23-24)	\$1,642
Program expenditure (4/27/2018~3/1/2019)	-\$46,975
Program expenditure (3/2/2019~2/28/2020)	-\$79,210
Program expenditure (2/29/2020~2/26/2021)	-\$31,160
Program expenditure (2/27/2021~4/22/2022)	-\$17,714
Program expenditure (4/23/2022~4/21/2023)	-\$46,192
Program expenditure (4/22/2023~5/31/2024)	-\$82,340
EBAM Purchase (May 2019)	-\$12,983
Monitoring Trailer (May 2019)	-\$4,164
Health Education Council Contract	-\$37,810
Remaining balance	\$96,821

The District will continue to work on the above tasks to implement the program. During the next annual reporting period, possible program expenditures may include the cost of staff hours, the proposed advanced surveillance camera system, and low-cost monitors.