



May 27, 2021

Andrea Juarez
California Air Resources Board
Office of Community Air Protection
9480 Telstar Avenue, Suite 4
El Monte, CA 91731

Dear Andrea Juarez:

Sac Metro Air District is pleased to submit our final closing report (SMAQMD-AB617-3) for Grant G17-CAPP-24 and G18-CAPP-24 as well as our annual report (SMAQMD-AB617-4) for Grant G19-CAPP-24. The attached reports include all elements listed under Reporting of the grant agreements. The final closing report for G17-CAPP-24 and G18-CAPP-24 covers the period of March 1, 2018 through September 30, 2020. The annual report for G19-CAPP-24 covers the reporting period from April 6, 2020 through March 31, 2021. Although the reporting period starts from April 6, 2020, the annual report only shows that Grant G19-CAPP-24 started to cover the expenses sometime in quarter 3 of 2020 when the funds from Grants G17-CAPP-24 and G18-CAPP-24 were expended.

We look forward to our continued work with CARB and our South Sacramento/Florin community selected for the program. If you have any questions, please feel free to contact Janice Lam Snyder at 916-874-4835 or by email at jlam@airquality.org or myself at 916-874-4872, mloutzenhiser@airquality.org.

Sincerely,

Mark S Loutzenhiser

Mark S. Loutzenhiser
Division Manager, Program Coordination Division

Sac Metro Air District Final Report for the AB 617 Grant

(Reporting Period from March 1, 2018 to September 30, 2020

for Grants G17-CAPP-24 and G18-CAPP-24)

The Sacramento Metropolitan Air Quality Management District (Sac Metro Air District or District) received two grants totaling \$2,360,000 from the California Air Resources Board: 1) \$860,000 from Grant G17-CAPP-24 and 2) \$1,500,000 from Grant G18-CAPP-24. These grants are to support the District's implementation of Assembly Bill (AB) 617. This annual report describes the District's use of the grant funds to implement the District's Community Air Protection Program (CAPP) efforts and covers the reporting period between March 1, 2018 to September 30, 2020, when all funds from the two grants were expended. Information in this report includes: I) the grant information, II) cost associated with specific tasks, III) how the grants are utilized to meet the goals of AB 617, IV) activities completed and in progress, V) remaining and expended grant funds, and VI) an expenditure summary for this reporting period.

I. Grant Information

Report Number	SMAQMD-AB617-3
Title	Sac Metro Air District Annual Report for the AB 617 Grant
Name of Grantee	Sacramento Metropolitan Air Quality Management District
Grant Numbers	G17-CAPP-24 G18-CAPP-24
Date of Submission	May 27, 2021

II. Cost Associated with Specific Tasks

AB 617 requires community-focused and driven actions to reduce air pollution and improve public health in communities that experience disproportionate burdens from exposure to air pollution. For the two grants, the Sac Metro Air District utilized the funds to identify priority air pollution burdened communities, adopt an expedited Best Available Retrofit Control Technology (BARCT) schedule, develop and implement the South Sacramento/Florin Community Air Monitoring Plan (CAMP), build outreach capacity and community engagement, and review the Criteria Pollutant and Toxics Emissions Reporting (CTR) regulation. Specific AB 617 tasks are described in the following table with its associated costs.

Specific Task	Grant Cost Recovery
Development of the final annual community recommendations <ul style="list-style-type: none"> Developed and revised technical assessment methodology and maps to include updated information (CARB's toxic modeling) Drafted, reviewed and submitted final community recommendations Initiated and continued community outreach and engagement, specifically targeting areas identified in the initial report 	\$57,385
Hosted and participated in the South Sacramento/Florin Steering Committee meetings <ul style="list-style-type: none"> Convened the South Sacramento/Florin Steering Committee and hosted 22 meetings 	\$1,630,915

<ul style="list-style-type: none"> • Transitioned to remote meetings via video conference to be consistent with local and state health orders due to COVID-19 • Planned agendas, posted public notices, reserved meeting venues, and prepared meeting materials and presentations • Collaborated with the Committee to develop a charter, community boundaries, and priority air quality concerns. • Hired a meeting facilitator in December 2019 for Steering Committee meetings • Participated in bi-weekly coordination calls with CARB staff • Hosted bi-weekly coordination calls with the Committee co-chairs and/or facilitator • Recruited 3 new Steering Committee members to fill vacancies <p><i>Developed and completed the Community Air Monitoring Plan (CAMP)</i></p> <ul style="list-style-type: none"> • Drafted elements 1-14 and gathered feedback from the Committee, members of the public, and third-party peer review on the draft plan. • Responded to over 200 comments received on draft CAMP and incorporated feedback • Collaborated with the Steering Committee to develop monitoring objectives, a 3-phase monitoring approach, and metrics for evaluating effectiveness • Incorporated Steering Committee recommendations on monitoring areas/locations and methods for sharing data with priority audiences • Submitted the CAMP to CARB on July 1, 2020 	
<p>Implemented the Community Air Monitoring Plan (CAMP)</p> <ul style="list-style-type: none"> • Collocated five Clarity Nodes at numerous air monitoring stations • Purchased 22 Clarity node-s and 2 Aeroquals for Phase 1 monitoring • Purchased air monitoring equipment and 6 shelters for the Phase 2 monitoring • Released a Request for Proposal (RFP) for procuring monitoring equipment and trailer • Selected a contractor to build the air monitoring trailer • Deployed four low-cost sensors by the July 1, 2019 deadline, deployed 21 low-cost sensors as of March 1, 2020 • Worked on establishing the District’s database and data management system • Began reviewing data from the Phase 1 monitors • Collaborated with Clarity on data collection and calibration • Identified and executed contracts for 3 of the 6 Phase 2 locations to deploy air monitoring equipment • Released RFPs for filter and gaseous lab analysis contracts and awarded and executed the contracts • Purchased 12 Purple Air sensors for the low cost sensor lending pilot program • Installed and deployed six (6) Phase 2 monitors across all four priority areas of the community boundary 	\$534,310
<p>Developed a community-level emission inventory for the South Sacramento/Florin community</p> <ul style="list-style-type: none"> • Collaborated with CARB on a developing community-level emissions inventory • Reviewed the on-road mobile and area-wide sources calculations • Calculated the criteria pollutants and speciated toxics inventory for each permitted source in the selected AB 617 community 	\$14,674

<ul style="list-style-type: none"> Compiled the criteria pollutant emissions inventory for permitted sources in the AB 617 community and provided to the community 	
Continued AB 617 community outreach and engagement <ul style="list-style-type: none"> Created and maintained an updated Community Air Protection webpage to simplify language and include resources and links that are applicable to residents Continued community outreach and engagement, specifically targeting community-based organizations (CBO) and residents in South Sacramento/Florin Gave informational AB 617 presentations to the South Natomas community and the Gardenland Northgate Neighborhood Association in North Sacramento Presented at the CEJC (California Environmental Justice Coalition) Conference Raised awareness of the CAP program by attending 12 events and engaging with CBO directors and community leaders throughout Sacramento Partnered with and provided technical advice to Community Air Grant applicants 	\$91,829
Tasks associated with BARCT Implementation <ul style="list-style-type: none"> Adopted an expedited schedule for the implementation of BARCT Developed a document establishing BARCT requirements for Natural Gas Production operations with recommendations for District actions Participated in the AB 617 BACT/BARCT working group Began analysis of BARCT requirements for process heaters used in methane steam reforming processes 	\$110,073
Tasks associated with Criteria Pollutant and Toxics Emissions Reporting (CTR) Regulation <ul style="list-style-type: none"> Attended meetings, workshops, and participated in conference calls Reviewed and provided comments on multiple drafts of proposed amendments to the CTR Regulation Released a Compliance Assistance Advisory about potential impacts the CTR may have on businesses and District resources 	\$96,500
Total Grant Funds Expended:	\$2,535,686
Total Grant Award:	\$2,360,000
Total Grant Fund Remaining:	\$(175,686)*

* All funds from the two grants were expended sometime in Quarter 3 of 2020 (July to September 2020). These expenses will be carried over and covered by grant number G19-CAPP-24. See the Sac Metro Air District Annual for the AB 617 for G19-CAPP-24.

III. Meeting the goals of Assembly Bill 617

AB 617 identified five main components that are used to meet the goals of reducing localized impacts on communities that are disproportionately impacted by air pollution. The five components are: 1) community-level air monitoring, 2) state strategy and community specific emission reduction plans, 3) expedited implementation of BARCT, 4) enhanced emission reporting requirements, and 5) increased air quality violation penalty provisions. Description of how the District is utilizing the grant to meet the goals of AB 617 are described below.

IV. Summary of Work Completed and in Progress

Below is a summary of the District's AB 617-related activities for the two grants, which are organized as Work Completed and Work in Progress.

Work Completed

1. **Webpage** – The District developed a webpage to help provide information about the District's Community Air Protection Program efforts. See the *Work in Progress* section for ongoing updates to the webpage.
2. **Community Outreach and Engagement** – Since the kickoff of the AB 617 program, the District has initiated and continued conversations with stakeholders to discuss the community selection process and opportunities to participate in implementation. These meetings included representatives from community groups, the public, stakeholder groups, the District Board of Directors, elected officials, and staff representatives from cities and counties. The District also drafted a plan for the 2020 calendar year for continued community outreach and engagement. However, due to COVID-19, implementation of this plan has been suspended until the current public health restrictions are lifted.
3. **Final Assessment and Recommendation of Identified AB 617 Communities** – On July 31, 2018, the District identified ten priority communities within Sacramento County for consideration into CARB's AB 617 CAPP. The technical assessment methodology focused on the identification of communities with the highest air pollution burden and related health impacts as well as high proportions of disadvantaged and low income residents.
4. **Steering Committee Selection and Recruitment** – To recruit the initial Committee cohort, an application was developed, distributed throughout the community, and posted on the District website. The District solicited applications from people who live, work, or own a business within the community boundary, and represent diverse perspectives. Throughout the reporting period, several positions became vacant on the Committee. To fill the vacancies, an updated application was distributed via flyers and emails and posted on the District website. The roster of active Steering Committee members is available on the webpage at <http://www.airquality.org/Air-Quality-Health/Community-Air-Protection/Steering-Committee>.
5. **Twenty-two (22) Steering Committee Meetings Held** – Monthly steering committee meeting have been held since December 2018 (with a few exceptions) and a community bus tour. For each meeting, the District: hosted the meeting in the community, developed the agenda, presented information, and prepared all the supporting materials (such as maps, graphics, and

tables). Information on previous Committee meetings is available on the webpage at <http://www.airquality.org/Air-Quality-Health/Community-Air-Protection/Steering-Committee>. The following table shows the meeting dates and key takeaways and decisions from meetings during this reporting period.

Meeting Dates	Key Takeaways/Decisions
December 11, 2018 (#1)	Overview of air quality, the District, and AB 617 <ul style="list-style-type: none"> Developed air quality steering committee charter
January 24, 2019 (#2)	Approved the charter, selected Chair and Vice Chair <ul style="list-style-type: none"> Recommended new community boundary
February 26, 2019 (#3)	Finalized community boundary <ul style="list-style-type: none"> Developed a list of air quality concerns
March 19, 2019 (#4)	<ul style="list-style-type: none"> Prioritized air quality concerns (via survey) Established general monitoring objectives and scope of actions
March 26, 2019 (#5)	<ul style="list-style-type: none"> Finalized objectives and actions Developed maps of potential areas impacted by air pollution
April 23, 2019 (#6)	<ul style="list-style-type: none"> Prioritized potential areas of impacts Discussed monitoring equipment and potential locations
May 28, 2019 (#7)	<ul style="list-style-type: none"> Discussed and approved air monitoring strategy proposal
June 25, 2019	*No public meeting, community bus tour around South Sacramento/Florin.
July 23, 2019 (#8)	<ul style="list-style-type: none"> Discussion with Director Phil Serna Monitoring deadline, July 1, 2019, update Discussed draft Community Survey
August 27, 2019 (#9)	<ul style="list-style-type: none"> Discussed incentives programs
September 24, 2019 (#10)	<ul style="list-style-type: none"> Discussed Phase 2 monitoring equipment deployment schedule Provided draft monitoring plan Elements 1-5 for committee's review
October 8, 2019 (#11)	<ul style="list-style-type: none"> Discussed moving to a community emission reduction program Decided to use a facilitator
October 22, 2019 (#12)	<ul style="list-style-type: none"> Decided to remain an air monitoring-only community Decided on Phase 2 monitoring equipment deployment schedule
December 3, 2019 (#13)	<ul style="list-style-type: none"> Discussed metrics for evaluating effectiveness of the plan
January 28, 2020 (#14)	<ul style="list-style-type: none"> Discussed and approved metrics for evaluating effectiveness Discussed methods of sharing data
February 25, 2020 (#15)	<ul style="list-style-type: none"> Discussed methods of sharing data and priority audiences
March 10, 2020 (#16)	<ul style="list-style-type: none"> Participated in a group team-building exercise Discussed process for forming a Technical Advisory Group (TAG) Decided an onboarding process will be required for all future new members
April 14, 2020 (#17)	<ul style="list-style-type: none"> Discussed the draft Community Air Monitoring Plan (CAMP) Discussed the fields of expertise needed on the TAG
April 28, 2020 (#18)	<ul style="list-style-type: none"> Discussed how the draft CAMP reflected the Committee recommendations Presented the results of the priority discussion topics survey Appointed a Committee member to lead the formation of a TAG

June 23, 2020 (#19)	<ul style="list-style-type: none"> • Discussed and reviewed common comments received on the CAMP document and District responses • Discussed final clarifying questions on CAMP • Decided to approve the final draft CAMP and recommended submittal to CARB • Decided to approve the formation of a design team to develop recommendations for creating a TAG
July 28, 2020 (#20)	<ul style="list-style-type: none"> • Reviewed the impacts of recent fire events in South Sacramento • Discussed results of first TAG Design Team meeting • Discussed overview of stationary source division programs • Discussed the potential financial impacts of COVID-19 on the AB 617 budget for the 2020/2021 fiscal year
August 25, 2020 (#21)	<ul style="list-style-type: none"> • Discussed the results of the second TAG Design Team meeting • Discussed proposed charter amendments from the charter subgroup • Discussed AB 617 budget estimates for the 2020/2021 fiscal year • Reviewed the process for developing a CERP and how pre-CERP work fits into upcoming agendas • Decided to approve current TAG candidates and begin development of an MOU
September 22, 2020 (#22)	<ul style="list-style-type: none"> • Discussed charter amendments suggested by charter subgroup • Decided to begin pre-CERP groundwork and revisit CERP designation mid-2021 • Decided to immediately begin the recruitment process to fill existing vacancies

6. **Community Air Monitoring Plan** – The District worked with the Steering Committee to draft the Community Air Monitoring Plan, which includes all 14 recommended elements outlined in the Community Air Protection Blueprint. The draft CAMP was released for public review, and it received more than 200 comments. A response was provided to all comments. On June 23, 2020, the CAMP was recommended by the Steering Committee to be submitted to CARB. The District submitted to CARB on July 1, 2020.

7. **Equipment Purchased and Deployed** – The District purchased equipment for all twenty-two (22) Phase 1 monitors, purchased equipment and shelters for Phase 2 monitoring for six (6) sites, and awarded an RFP for procurement and construction of the Phase 3 trailer. Four low cost sensors were deployed by the July 1, 2019 deadline and by the end of the reporting period, a total of 22 low cost sensors were deployed for Phase 1.

8. **Community-Level Emissions Inventory** – The District calculated emissions inventories for all permitted stationary sources in the South Sacramento – Florin community using data collected from surveys. The District also reviewed the on-road mobile and area-wide sources calculations prepared by CARB and collaborated with CARB to develop the complete community-level emissions inventory for criteria pollutants and toxics. This information will help the District and Steering Committee understand the emission sources that are contributing to local pollution

impacts. In addition, this information will help determine control strategies when the committee is ready to begin developing a community emission reduction plan.

9. Internal and External Coordination – The District continues to participate in:

- Bi-weekly calls with CARB to discuss communication and coordination efforts;
- Internal coordination meetings within the District;
- Coordination with the Committee;
- Briefing updates to the District Board; and
- Meetings with community stakeholders and groups.

10. BARCT Implementation – The District adopted an accelerated schedule to implement BARCT and developed a document establishing BARCT requirements for Natural Gas Production operations with recommendations for District actions. Staff also participated in the AB 617 BACT/BARCT working group with CARB and the other air districts. Lastly, Staff began analysis of BARCT requirements for process heaters used in methane steam reforming processes.

11. Criteria and Toxics Reporting Regulation –The District has held internal meetings and participated in meetings and conference calls with CARB and the other California districts to discuss proposed revisions to the regulation. The proposed amendments would revise the applicability by source type and activity level, as well as the phase-in schedule for implementation, and have the potential to affect the impact on the business community as well as staff resources. The District has reviewed multiple drafts of the proposed amendments and has provided input and comments that have helped shape the regulatory language.

12. Updated the District Mutual Settlement Program (MSP) –The District updated the District’s MSP guidelines to include the increased penalty provisions specified in AB 617. The proposed changes to the MSP went through a public process and board approval. The MSP guideline was adopted by the District’s Board of Directors on September 26, 2019.

Work In Progress

The District is currently working on the following activities and will continue this work with on-going funding from the state:

- 1. Community Air Protection Webpage** – The District is reevaluating the existing Community Air Protection (AB 617) webpage and developing an updated version to improve readability and navigation for users. The new webpage will use accessible language and graphics to explain technical monitoring information and data.
- 2. Community-level air monitoring** – The District continues to implementing Phase 2 of the monitoring plan including: collecting samples, sending them for lab analysis, validating preliminary data, and creating data summaries for sharing with the public.
- 3. Equipment Purchasing and Deployment** – A contract has been awarded for the procurement of the Phase 3. The District will work with the Steering Committee to find a location to deploy the Phase 3 trailer.

4. **Community Outreach and Engagement** - The District is continuing conversations with stakeholders to learn community priorities, assess public awareness of air quality, and form partnerships with community-based organizations. Outreach efforts prioritized groups who had not been contacted in the South Sacramento/Florin area to develop into long-term relationships as well as new contacts in the North Sacramento and South Natomas area to build a foundation for future participation in the CAP program.
5. **Community Air Grant Partnership** – Four local organizations, Valley Vision, WALK Sacramento, Breathe California Sacramento Region, and Green Tech formed a partnership in a project called Sacramento Neighborhoods Activating on Air Quality (SNAAQ). The project involves: air monitoring outreach and siting, air quality education, community workshops, and coalition building. The District provides technical expertise and lessons learned from past experience.
6. **BARCT Implementation** – The District will present the BARCT analysis and recommendations for Natural Gas Production to the District Board for approval, then proceed with implementation actions as directed by the Board. The District will continue to perform analysis of BARCT requirements for process heaters and develop a written document with the conclusions and recommendations for District action. Staff will continue to participate in the AB 617 BACT/BARCT working group with CARB and the other California districts.
7. **Criteria and Toxic Reporting Regulation** – The District will continue to follow and provide comments on the proposed amendments to the regulation. The first year of the phase-in schedule calls for some sources to begin reporting in 2020 their emissions data for calendar year 2019. Once the regulation is finalized, the District will conduct outreach to sources to inform them of the regulation and their obligations. The District will receive and perform quality assurance on emissions data submitted by facilities before transmitting the data to CARB.
8. **Risk Reduction Strategies** – Although the South Sacramento-Florin Community was designated as a monitoring-only community, the District is working with local communities for the best use of Cap and Trade funds to reduce risk in this and other AB 617-identified communities. The District is working with CARB on revisions to the incentive funding guidelines that will allow mobile and stationary source emission reductions to lower risk in our communities.

Remaining and Expended Grant Funds

The District received two grants totaling \$2,360,000. Between March 1, 2018 to September 30, 2020, the District expended a total of \$2,535,686. The additional amounts expended, \$175,686, will be carried over to the following grant G19-CAPP-24.

Expenditure Summary

Below is the expenditure summary for this reporting period.

Description	Expenses
Salaries, benefits, and indirect expenses	\$2,136,439
Community meeting expenses	\$6,790
Education and training	\$2,744
Office supplies, printing, IS software	\$4,807
Communication and outreach expenses	\$11,535
Professional Services-Consulting (Facilitator)	\$23,476
Lab analysis	\$3,911
Rent/Lease real property	\$2,939
Recording Fees	\$40
Fixed Assets, equipment & supplies, tools & small equipment, maintenance and repairs	\$343,005
Total	\$2,535,686