

California Air Resources Board Community Air Protection Program



*Reporting Period
02/01/19 through 02/01/20*

The Santa Barbara County Air Pollution Control District (District) received a grant in fiscal year 2018-2019 from the California Air Resources Board (CARB) for \$178,610.00. The grant is to support the District’s implementation efforts in support of California Assembly Bill 617 goals and objectives. This report describes the District’s efforts in accomplishing those goals. In accordance with Grant Agreement G18-CAPP-28, the below report includes the following sections: I. Grant Information, II. Associated Costs, III. Grant Utilization, IV. Summary of Work, V. Funds Remaining and Expended, and VI. Expenditure Summary.

- I. **Grant Information** (Report number, title, name of Grantee, date of submission, and grant number)
 - a. CAP Report 2
 - b. Santa Barbara County Air Pollution Control District
 - c. 04/04/20
 - d. G18-CAPP-28

II. **Associated Costs** (Costs associated with specific tasks)

Below is a table showing all District costs associated with the AB 617 implementation grant during the reporting period of 02/01/2019 through 02/01/2020.

Summary	
Description	Cost
Community Programs <ul style="list-style-type: none"> • Bilingual outreach materials • Outreach events • Community Group meetings • Bilingual surveys and data tracking • Video Production Equipment • Public meetings to discuss goals and implementation efforts 	\$63,317.16
Air Quality Planning <ul style="list-style-type: none"> • Toxic emissions inventory • Partnering in AB617 CTR Regulation development • Inventory Reporting Regulation workgroup 	\$10,572.48
Rules (BARCT) <ul style="list-style-type: none"> • Additional research on six facilities subject to BARCT schedule • Outreach to sources on BARCT impacts • Engineering Support on BARCT • Continued development of rules on the BARCT schedule • AB617/BARCT public workshops and room rentals 	\$63,312.34
Community Air Monitoring <ul style="list-style-type: none"> • Low Cost Sensor deployment • Air Pointer & EBAM deployment 	\$18,841.96
TOTAL	\$156,043.94

III. Grant Utilization (Report how grant is being utilized to meet the goals of Assembly Bill 617. If applicable, include emission reductions being achieved)

AB 617 directs CARB to establish the Community Air Protection Program to reduce exposure in communities most affected by air pollution. The goal is to prioritize air quality improvements in California’s most polluted communities through enhanced monitoring and targeted deployment of cleaner technologies, with expanded community participation. While our District does not have any communities identified as disadvantaged under SB 535, we do have low-income communities and communities that experience a higher pollution burden where we are able to focus our efforts (i.e., AB 1550 Low-income Communities).

The District has been using a variety of avenues to meet the goals of AB 617. We participated in several public outreach events throughout Santa Barbara County during the reporting period providing information in both English and Spanish, continued development of rules on our BARCT rule development schedule, and have been continuously utilizing our Clean Air Grants Program to advertise and promote the use of cleaner technology to support community health. In addition, the District focuses a large amount of AB 617 efforts on our most populated low-income areas. These areas, according to the priority population maps provided by CARB, include the City of Guadalupe and a large portion of western Santa Maria, City of Lompoc, and portions of the City of Goleta and the City of Santa Barbara. The Spanish-speaking community is very prevalent in these areas so providing bilingual outreach materials is of the utmost importance. Some of the bilingual materials we provide include, but are not limited to, Clean Air Grant applications, outreach advertisements and flyers, surveys, air quality news and alerts, as well as Spanish webpages.

The District maintains a web page, www.ourair.org/community-air, for stakeholders and the public. It contains background information, key elements of AB 617, the District’s efforts within our county, proposed grant projects and approved projects, details of our BARCT schedule, and links to the bilingual surveys. The District performs regular updates on the website to ensure visitors are receiving up-to-date information.

Specific tasks and work products for the current reporting period are discussed in more detail in Section IV of this report.

IV. Summary of Work (Work completed and in progress since the last progress report)

Community Programs, Events, Outreach:

In Spring 2019, the District participated in two separate community outreach events. Santa Maria Open Streets, an all-day event in March 2019, drew large crowds of Santa Maria and Guadalupe area residents to enjoy a variety of outdoor activities and informational booths on a public street temporarily banned from vehicular traffic. In April 2019, District staff attended the Santa Barbara Earth Day Festival, a weekend-long, well-attended event where attendees can learn more about environmentally friendly practices.

The District participated in California Clean Air Day in October 2019, and incorporated AB 617 efforts into our involvement. This particular event was held at Marian Regional Medical Center in Santa Maria, which is in the northern portion of Santa Barbara County. This event gave the District

the ability to reach out to physicians, hospital staff, and patients. We were able to promote our programs that assist in healthy living practices. The feedback from this event was positive.

In addition to these events, the District held public meetings, including Community Advisory Council and District Board meetings, to discuss AB 617-related activities. In December 2019, the District produced a video demonstrating the function and uses of the Airpointer portable monitoring system that was co-funded with AB 617 Year 1 Implementation Grant funds. The district's many different portable measurement tools were also presented at a District Board meeting in December 2019.

At each District Board meeting, a summary update is provided on grant program activity that includes the emission-reduction grant agreements approved by the APCO since the last meeting. In May 2019, the District Board received a presentation on all clean air grant and incentives programs administered by District staff for the prior fiscal year. This report includes a focus on the Community Air Protection Program and specifies the project type and location for grant funds awarded. Lastly, at the June 2019 District Board meeting, staff presented on the Community Air Protection Program for February 1, 2019 to April 1, 2021 and secured Board support for local implementation. Each of these Board meetings provides an opportunity for community members to follow Board deliberations, present public comments, and observe through livestreaming.

In addition, District staff also presented our Clean Air Grants Program and AB 617 efforts to the County of Santa Barbara Agricultural Advisory Committee; participated in a CARB TRUCRS event; issued news releases regarding grant programs, including advertising in the Santa Maria Valley Chamber of Commerce newsletter; met with all of our local off-road equipment dealers to promote and answer any questions about our Clean Air Grants program; and, created bilingual print and online materials for our Clean Air Grants Program.

Air Quality Planning:

The District is actively reviewing and tracking updates to the CARB's Criteria and Toxics Reporting (CTR) Regulation. These amendments will require modifications to the District's custom database tools and will also result in a significant amount of additional work for District's staff and for affected sources. District staff participated in a CTR Regulation working group and provided responses to information and review requests regarding impacted sources as well as local costs to implementation the regulation.

Rules and BARCT:

As was required by AB 617, in December 2018 the District Board adopted an expedited rule development schedule for the implementation of BARCT (Best Available Retrofit Control Technology) at locations in our District that are subject to the California GHG Cap-and Trade program. There are six facilities in Santa Barbara County that are affected by the BARCT schedule. The BARCT schedule included proposed amendments to Rule 361, Small Boilers, Steam Generators and Process Heaters, and Rule 342, Control of Oxides of Nitrogen (NOx) from Boilers, Steam Generators and Process Heaters. These BARCT updates were proposed and approved at the June 20, 2019 District Board Hearing. With the adoption of these two rules, there are four remaining rules on the BARCT schedule.

Community Air Monitoring:

To help address community-level air monitoring concerns in impacted communities, the District installed and operated Purple Air Sensors throughout the county. During this reporting period, 24 sensors were installed; two were given to the District by CARB while the other 22 were purchased by the District. In addition, the District has been loaned two solar-powered Clarity Node S sensors that have been deployed and are operating in Goleta and Santa Maria. The Clarity Node S sensors are co-located with reference method monitors to assess their accuracy. These low-cost sensors can help characterize air quality trends in impacted communities. Purple Air sensor locations are available here: www.purpleair.com/map#9.68/34.7356/-120.2016.

As mentioned above, in 2019 the District acquired an Airpointer portable air monitoring system that was co-funded with AB 617 Year 1 Implementation Grant funds. The system is compact and sophisticated and is capable of being deployed quickly at secure locations that have a power source. The Airpointer is currently capable of measuring hydrogen sulfide, PM2.5, PM10, and meteorological information simultaneously, and to store and report that data to the web in near-real-time. Upon receipt of the Airpointer, District air monitoring staff received specialized training from the equipment vendor. In late 2019, the District began test deployments of the Airpointer, developed a deployment plan and standard operating procedures, identified potential future deployment locations, and developed a spreadsheet tool to track deployments. The District is also considering investing in additional instrumentation for the Airpointer.

V. Funds Remaining and Expended (Grant funds remaining and expended)

- a. Total Implementation Funds: \$178,610.00
 - i. Expended funds: \$156,043.94
 - ii. Remaining funds: \$ 22,566.06

During the reporting period, the District expended 87% of the Implementation Grant amount; all funds must be expended by April 01, 2021. A significant portion of those funds were used towards salaries (including overhead), while the remaining portion was used on public outreach materials and advertising associated with AB 617.

VI. Expenditure Summary (showing all Community Air Protection Program Implementation Fund expenditures)

Section II provides a breakdown of District expenditures.