

**AB617 Community Air Protection Program
(G18-CAPP-19)**

ANNUAL REPORT

May 1, 2020 – March 19, 2021

Submitted March 23, 2021



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 consistent with the goals of Assembly Bill 617 (AB617).

This annual report satisfies Section 2.A 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 since MBARD began work on the program in 2018.

The main task completed during the first year of the grant was the development and Board approval of an expedited Best Available Retrofit Control Technology (BARCT) schedule. The schedule was adopted by MBARD’s Board in November 2018 meeting in compliance with the AB617 due date of January 1, 2019. MBARD’s expedited BARCT schedule is available to review on BARCT website here: <https://ww2.arb.ca.gov/our-work/programs/community-air-protection-program/technology-clearinghouse/expedited-barct>

Table 1. Summary of Work Completed Under Community Protection Grants

| Activity Completed | Completion Date |
|--|-------------------|
| Work Completed on Grant G17-CAPP-19 | |
| MBARD Reviews Current Rules for BARCT Stringency and Provides Clearinghouse List to CARB | February 27, 2018 |
| MBARD Reviews and Provides Edits to CARB BARCT Clearinghouse Entries for MBARD | April 12, 2018 |

Table 1. Summary of Work Completed Under Community Protection Grants

| Activity Completed | Completion Date |
|---|--|
| Rules | |
| Board Approval of AB617 Grant Agreement | April 18, 2018 |
| AB617 Grant Agreement Executed | April 30, 2018 |
| MBARD Completes Draft Expedited BARCT Schedule | September 2018 |
| MBARD Publishes Notice of Public Workshop to Review Draft Expedited BARCT Schedule via Newspaper, District Website, and Email to Affected Sources | September 25, 2018 |
| MBARD Advisory Committee Presentation of Draft Expedited BARCT Schedule | October 4, 2018 |
| Public Meeting per Health and Safety Code §40920.6.(d) | October 15, 2018 |
| Board Approval of AB617 Grant Agreement Amendment | November 14, 2018 |
| Board Adoption of Expedited BARCT Schedule | November 14, 2018 |
| Grant Agreement AB617 Amendment Executed | December 31, 2018 |
| Participation in CARB and Air MBARD BACT/BARCT Committee to establish clearinghouse per Health and Safety Code §40920.8 | Beginning in January 2018 and ongoing meetings every other Tuesday |
| Participation in CARB Rule Development Process for the Regulation for the Reporting of Criteria Air Pollutants and Toxic Air Contaminants | Beginning in December 2017 and Ongoing |
| Initiate Development of First BARCT Rule – Rule 441. Boilers, Steam Generators, and Process Heaters | May 23, 2019 |
| Conduct Rule Development Activities | May 23, 2019 to February 19, 2020 |
| Provided Written Comments on the 25-Day Modifications to the Emission Reporting Regulation | June 6, 2019 |
| Execute Database Licenses with Accela | August 20, 2019 |
| Execute Database Professional Services to Implement Accela with Vision33 | November 1, 2019 |
| Advisory Committee Review of Rule 441 | December 5, 2019 |
| Public Meeting on Rule 441 | January 15, 2020 |
| Board Hearing and Adoption of Rule 441 | February 19, 2020 |

Table 1. Summary of Work Completed Under Community Protection Grants

| Activity Completed | Completion Date |
|---|--|
| Work Completed on Grant G18-CAPP-19 | |
| Participation in CARB and Air District BACT/BARCT Committee to establish clearinghouse per Health and Safety Code §40920.8 | Beginning in January 2018 and ongoing meetings every other Tuesday |
| Participation in CARB Rule Development Process for the Regulation for the Reporting of Criteria Air Pollutants and Toxic Air Contaminants and the AB2588 Emissions Inventory Criteria and Guidelines (CTR and EICG) | Beginning in December 2017 and Ongoing |
| Continue New Database Implementation | Beginning in November 2019 and Ongoing |
| Begin Internal Review of Next BARCT Rule Internal Combustion Engines | Begin in July 2020 |
| Improve Spanish Language Outreach for Wildfire Communication and AQI video on Website (https://www.mbard.org/wildfire-smoke-information-and-resources) | Summer 2020 |
| Launch Spanish Language Media Outreach (Radio and TV) | Summer 2020 |
| Issued First Quarterly Newsletter and Posted to Website | June 2020 |
| Launched MBARD YouTube Channel | June 2020 |
| Board Approval of Updated Records Retention Schedule | August 19, 2020 |
| Prepare Staff Report Evaluating Need for Internal Combustion Engine Rule Making | October 2020 |
| Began Working with GIS Consultant to Create Map of Permitted Sources for Website | November 2020 |
| Advisory Committee Review of Internal Combustion Engine Rule Making | November 5, 2020 |
| Provided Written Comments on the Proposed Amendments to the Criteria and Toxics Emissions Reporting Regulation and Emission Inventory Criteria and Guidelines (AB2588) | November 12, 2020 |
| Board of Directors Approval - Internal Combustion Engine Rule Making Activities Not Necessary | November 18, 2020 |
| Comment on the 15-day Changes to CTR and EICG | February 3, 2021 |

2.1 COMPLETED WORK

This section describes the work completed to implement the Community Air Protection Program under Grant G18-CAPP-19.

MBARD staff continues to participate in CARB's regular BACT/BARCT clearinghouse committee meetings and emission reporting regulation meetings. MBARD continues to participate through meetings and comments on the development of the revisions to the CARB adopted emission reporting regulation and the updates to the Hot Spots Emission Inventory Criteria and Guidelines.

MBARD continues to implement the expedited BARCT schedule adopted in 2018. At the time the expedited BARCT schedule was adopted, MBARD was designated nonattainment-transitional for the state ozone standard. MBARD was re-designated as attainment for the state ozone standard on February 25, 2021 based on monitoring data for the three-year period of 2017-2019.

In the second quarter of 2020, MBARD began to review the second BARCT rule titled "Internal Combustion Engines". This BARCT rule category was proposed to reduce emissions of ozone precursor compounds oxides of nitrogen (NO_x) and volatile organic compounds (VOC). Our work included reviewing the currently permitted engines at the subject facilities to determine what additional controls could be installed to reduce emissions. MBARD found eight permitted IC Engines, seven portable engines and one stationary engine. The portable engines are subject to phase-out under state law by the year 2029 and only two of the engines had been operated in the past three years. The single permitted stationary engine is an emergency engine and already meets MBARD's NO_x BACT requirement. MBARD's Board approved in November 2020 not to move forward with rule making for Internal Combustion Engines. In second quarter 2021, MBARD will begin work on the third BARCT rule.

MBARD improved our Spanish language outreach in 2020 through the use of radio and television spots. This outreach provides information about the air district and tips on what the public can do to improve air quality. We also created radio spots to explain the available grant programs such as the electric vehicle rebate program. Finally, during the wildfires in 2020, we enhanced our wildfire smoke website with Spanish language content. For example, we created a Spanish language AQI video to accompany the air quality data posted during the wildfires (<https://www.mbard.org/wildfire-smoke-information-and-resources>). MBARD will continue to broaden our Spanish language outreach materials.

MBARD continued to acquire technology tools to enhance our interaction with the public and our permitted sources. Utilizing modern technology tools became critical in 2020 due to the

COVID-19 pandemic with having our staff working remotely and needing to maintain our customer service. We elected to use cloud-based platforms for both our permit database and electronic document system Laserfiche. An important feature of our new database will be the ability to allow more access for the public. For example, there will be a search tool connected to our database where the public can search by address or parcel number to find whether a permit is issued to that site. Also, we are creating a map showing the locations of the currently active permits. We anticipate the Go Live for our new database will occur in second quarter of 2021. We have also been able to leverage Laserfiche forms to create online applications for the electric vehicle incentive program, wood stove changeout program, and our backyard burn permit program. These enhancements provided better access for the public to applications during the COVID-19 pandemic. MBARD will continue to work towards improving public access to our data and grant funds.

2.2 ACCOUNTING

This report contains the first and only disbursement request for funds under G18-CAPP-19. The following summarizes the grant funds expended:

- Grant funds received as advanced payment: \$0
- Interest income: \$0
- Grant funds per disbursement request: \$212,598
- Grant funds remaining to be disbursed: \$0

Attachment A contains the detailed summary of the costs.

3. Conclusion

This annual report documents MBARD's completed work to implement the Community Air Protection Program under Grant G18-CAPP-19.

Attachment 1
Accounting of MBARD Costs

Grant Summary

Grant Number

G18-CAPP-19

| Category | Funds Expended |
|---|-----------------------|
| Advanced Payment | \$0 |
| Expenditure Categories | |
| -Staff Time | \$83,498 |
| -Cloud-Based Permit Database Software, Cloud-Based Electronic Document Management Software, GIS Permit Map, Spanish Language Outreach | \$129,345 |
| Interest Income | \$0 |
| Total Expenditures | \$212,843 |
| | |
| TOTAL DISBURSEMENT REQUEST | \$212,598 |

| Time Frame | Job Classifications | Total Project Work Hours (hrs) | Hourly Wage (\$) | Fringe Benefits (\$/Hour) | Total Hrly Rate With Benefits | Wages Expense | Benefits Expense | Totals | Grant Tasks |
|--------------------|-------------------------------------|--------------------------------|------------------|---------------------------|-------------------------------|------------------|------------------|------------------|--|
| 4/6/20 - 3/21/2021 | Engineering & Compliance Manager | 241 | \$ 75.35 | \$ 46.51 | \$ 121.86 | \$ 18,167 | \$ 11,213 | \$ 29,380 | Establishing best available retrofit control technology requirement, Participation in CARB BACT/BARCT Committee, BARCT Rule Implementation, Other Community Air Protection implementation effort |
| 4/6/20 - 3/21/2021 | Engineering & Compliance Specialist | 219 | \$ 42.04 | \$ 33.02 | \$ 75.06 | \$ 9,215 | \$ 7,237 | \$ 16,452 | Other Community Air Protection implementation effort |
| 4/6/20 - 3/21/2021 | Engineering Supervisor | 139 | \$ 72.27 | \$ 50.01 | \$ 122.28 | \$ 10,027 | \$ 6,939 | \$ 16,967 | Establishing best available retrofit control technology requirement, Participation in CARB BACT/BARCT Committee, BARCT Rule Implementation, Other Community Air Protection implementation effort |
| 4/6/20 - 3/21/2021 | Air Quality Engineer II | 178 | \$ 53.14 | \$ 17.94 | \$ 71.08 | \$ 9,432 | \$ 3,184 | \$ 12,617 | Establishing best available retrofit control technology requirement, BARCT Rule Implementation, Other Community Air Protection implementation effort |
| 4/6/20 - 3/21/2021 | Air Quality Engineer III | 20 | \$ 61.01 | \$ 24.86 | \$ 85.87 | \$ 1,220 | \$ 497 | \$ 1,717 | Establishing best available retrofit control technology requirement, BARCT Rule Implementation, Other Community Air Protection implementation effort |
| 4/6/20 - 3/21/2021 | Executive Assistant | 40 | \$ 47.47 | \$ 32.81 | \$ 80.28 | \$ 1,899 | \$ 1,312 | \$ 3,211 | Other Community Air Protection implementation effort |
| 4/6/20 - 3/21/2021 | Fiscal Assistant | 4 | \$ 30.17 | \$ 16.38 | \$ 46.55 | \$ 121 | \$ 66 | \$ 186 | Other Community Air Protection implementation effort |
| 4/6/20 - 3/21/2021 | Administrative Services Manager | 20 | \$ 60.10 | \$ 23.23 | \$ 83.33 | \$ 1,202 | \$ 465 | \$ 1,667 | Other Community Air Protection implementation effort |
| 4/6/20 - 3/21/2021 | Air Pollution Control Officer | 8 | \$ 97.19 | \$ 65.42 | \$ 162.61 | \$ 778 | \$ 523 | \$ 1,301 | Other Community Air Protection implementation effort |
| Totals | | 869 | | | | \$ 52,061 | \$ 31,437 | \$ 83,498 | |

"Other Community Air Protection implementation effort" includes activities such as, outreach, program oversight, report writing, grant administration, website improvements, permit database project, electronic document system, and meetings.