

Yolo-Solano Air Quality Management District  
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## **YSAQMD FY 2017/2018 AB 617 Grant Agreement**

### **FINAL REPORT**

May 1, 2019  
Amended May 14, 2019

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## I. EXECUTIVE SUMMARY

On March 14, 2018, the Yolo-Solano Air Quality Management District (YSAQMD or District) Board authorized the District Air Pollution Control Officer (APCO) to enter into a grant agreement with the California Air Resources Board (CARB) for \$58,071 to perform tasks associated with the Assembly Bill 617, Community Air Protection Program (AB 617). The purpose of the AB 617 Grant is to offset the cost associated with the District initiatives to reduce exposure in communities most impacted by air pollution.

## II. SUMMARY OF GRANT TASKS AND ACCOUNTING

Grant fund spending associated with employee time for the AB 617 grant agreement was estimated using the actual labor hours for YSAQMD staff, using the time and materials labor rate included in District Rule 4.1, Section 307.1 (\$101/hour for Fiscal Year 2017/18 and \$104 for Fiscal Year 2018/19). Additionally, funds used for purchase of materials or equipment were reported in actual dollars spent. For the time period beginning November 2017 and ending December 31, 2018, the District spent 538 staff hours on tasks associated with AB 617, totaling \$55,699.25. Materials purchased for AB 617 associated tasks totaled \$3,692.58 for the same time period. This results in a total expenditure of \$59,391.83. Subtracting the grant award amount of \$58,071 leaves an excess spending amount of \$1,320.83, which will be carried over to the grant award for FY 2018/2019.

The following sections summarize specific tasks undertaken by the District consistent with Section 2.A.ii. of the signed Grant Agreement.

### Task 1 – Identification of Monitoring Locations

District staff set out with the goal of establishing a more robust monitoring network for fine particulate matter (PM2.5) by placing sensors in District locations that may be underserved by the current air monitoring network. Factors that were considered when siting these locations include District staff access, reliable power and wireless network, as well as other recommendations from the sensor manufacturer. District staff time spent on this task totaled 66.5 hours, which results in a total cost of \$6,913.

### Task 2 – Deployment of Community Monitoring System

The District has purchased and installed PurpleAir sensors at 11 locations within the District to monitor PM2.5 concentrations. Sites chosen include a number of rural areas and an area designated as an SB 535 Disadvantaged Community. The District plans to install these sensors at an additional six sites, increasing the total number of sensors in the District to 17. District staff time spent on this task totaled 44.25 hours, which results in a total cost of \$4,589.25. Equipment and material costs associated with this task totaled \$3,692.58.

### Task 3– Emissions Reporting

District staff has been tasked with evaluating permitted sources within the District based on applicability to the Criteria and Toxics Reporting (CTR) Regulation adopted by the CARB Board on December 13, 2018, and the proposed 15-day changes to that regulation. Tasks performed by

District staff include prioritization and Health Risk Assessments for various facilities, and requests for facility activity and throughput data. It is expected that Staff time on this task will increase in the future with the proposed 15-day changes to the CTR Regulation. District staff time spent on this task totaled 34.5 hours, which results in a total cost of \$3,576.

#### **Task 4 – Development of Community Emissions Reduction Program**

In order to increase outreach to the communities within the YSAQMD affected by air pollution, District staff created a webpage on the YSAQMD website to inform the public on AB 617 and the District's efforts to monitor air pollution within the communities and to reduce impacts from various sources of air pollution. District staff time spent on this task totaled 16.5 hours, which results in a total cost of \$1,710.

#### **Task 5 – Establishment of Best Available Retrofit Control Technology (BARCT) Requirement**

Per the expedited schedule for BARCT adopted by the YSAQMD Board on October 10, 2018, the District committed to revising District Rule 2.27, Large Boilers by the end of calendar year 2019 to meet BARCT. The rulemaking has undergone a public workshop, discussion with stakeholders, and outreach to both state and federal agencies for comment. The rule is slated for public hearing at the YSAQMD Board meeting on May 15, 2019. District staff time spent on this task totaled 274.75 hours, which results in a total cost of \$28,442.

#### **Task 6 – Adoption of Expedited BARCT Schedule**

On October 10, 2018, the YSAQMD Board adopted the expedited schedule for BARCT consistent with the requirements of AB 617. This schedule included commitments to ensure BARCT level controls of boilers/steam generators and reciprocating internal combustion engines at industrial facilities subject to Cap and Trade by December 31, 2023. District staff time spent on this task totaled 30 hours, which results in a total cost of \$3,108.

#### **Task 7 – Miscellaneous**

Miscellaneous tasks associated with AB 617 include meetings with CARB staff, internal staff meetings, and preparation of board meeting materials and presentations. District staff time spent on this task totaled 71.5 hours, which results in a total cost of \$7,361.

### **III. CONCLUSION**

Table 1 below provides a breakdown of the time spent and materials purchased by the YSAQMD for tasks associated with the AB 617 District Implementation Grant Agreement. It is anticipated that work under future grant agreements will center on additional monitoring of air pollution impacts in District communities, rulemaking efforts to reduce impact of air pollutants, and further development of the District's emissions reporting program. The District, therefore, requests from CARB the full disbursement of the \$58,071 in grant funds awarded for the 2017/18 fiscal year.

**Table 1: Summary of AB 617 Costs, November 2017 – December 2018**

<b>Task Summary</b>	<b>Hours</b>	<b>Task Cost</b>	<b>Material Cost</b>
Identification of Monitoring Locations	66.5	\$6,913.00	\$0
Deployment of Community Monitoring Systems	44.25	\$4,589.25	\$3,692.58
Emissions Reporting	34.5	\$3,576.00	\$0
Development of Community Emissions Reduction Program	16.5	\$1,710.00	\$0
Establishment of BARCT Requirement	274.75	\$28,442.00	\$0
Adoption of Expedited BARCT Schedule	30	\$3,108.00	\$0
Miscellaneous	71.5	\$7,361.00	\$0
<b>TOTAL</b>	<b>538</b>	<b>\$55,699.25</b>	<b>\$3,692.58</b>