



# Shasta County

DEPARTMENT OF RESOURCE MANAGEMENT  
1855 Placer Street, Redding, CA 96001

**Paul A. Hellman**  
Director  
**Adam Fieseler**  
Assistant Director

October 6, 2022

Andrea Juarez  
California Air Resources Board  
Office of Community Air Protection  
P.O. Box 2815  
Sacramento, CA 95812

Sent via email ([andrea.juarez@arb.ca.gov](mailto:andrea.juarez@arb.ca.gov))

Dear Ms. Juarez:

## **AB 617 Community Air Protection Program Grant #G20-CAPP-29 First Annual Report**

Per Section 3.A and B of Grant Agreement G20-CAPP-29 this shall serve as the first annual report due on September 30, 2022.

i. First Report- Time accounted from 7/1/2022 through 9/1/2022, AB 617 Community Air Protection Program, Shasta County AQMD, submitted on October 6, 2022.

ii.

<b>Task Performed 7/1/22-9/1/22</b>	<b>Task Cost</b>
BARCT Rule Development Cement Plant Fence Line Monitoring Cement Plant Surveillance Program	\$10,624.35
<b>GRAND TOTAL</b>	<b>\$10,624.35</b>

iii. Since entering into the AB 617 grant agreement with CARB, the District has researched several ways to implement emission reductions and other beneficial programs within AB 617 low income communities, particularly those around the Districts' two BARCT facilities. Section iv outlines the progress for implementation of the AB 617 Year 4 funds under this grant.

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ADMINISTRATION  
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iv. **2022-23 Program Utilizing Year 4 AB 617 Funds**

**BARCT Rule-** The District has completed BARCT determinations for the two designated facilities within Shasta County. A draft of the associated rulemaking has been completed and is currently being prepared for presentation to the Air Pollution Control Board.

**Industrial Facility in Low Income Community Surveillance Program-**

The District has identified the need to increase inspections and surveillance of a large industrial facility located in a low income community. The District has initiated a daily surveillance and compliance documentation program. Additionally, the District has developed three low-cost particulate matter sensor units that operate on battery/solar power and transmit data via a cellular signal to publicly accessible websites such as PurpleAir and fire.airnow.gov. These sensors have been deployed near the cement plant and can be used to verify complaints etc..

**Publicly Accessible Air Sensors-** Shasta County is a large county with many small, remote, low-income communities. Many of these communities receive the brunt of smoke impacts during the annual wildfire season. Public schools are located in many of these communities. The District reached out to the Shasta County Office of Education (SCOE) and inquired on ways to better serve the schools when smoke was present. SCOE provided the District with a list of schools that were in need of air quality sensors. To better equip Shasta County Schools for wildfire smoke intrusions; the District purchased 15 Purple Air Sensors and installed them in low income communities such as: Big Bend, Dunsmuir, Lakehead, Igo, and Cottonwood. (Please contact the District for a complete list of communities served by this program). These low-cost sensors are now providing air quality data to schools in low income communities that were once underserved.

**Update Monitoring Equipment/Software to Interface with Public on Website-**

In 2019 the District conducted a review of information that was sought by the public on the District website. It was found that the public visited the air quality map, air quality Sites and wildfire air quality information pages 9,753 times during wildfire season. Seeing a need to provide better real-time particulate matter/smoke information, the District purchased a new E-BAM 1022 and installed it at the Redding monitoring site. Part of this monitoring upgrade required the District to update the software package used to process the data and send it to publicly accessible outlets such as AirNow and the District website. Some of the AB 617 Yr. 2 funds were used to purchase the upgraded software.

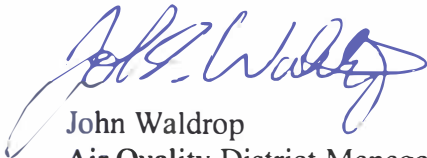
**Landfill Greenhouse Gas Reduction-** There are two solid waste landfills located in one common low-income area of Shasta County. In 2020 District staff accompanied CARB staff on inspections of the two landfills. CARB inspectors used portable methane detectors to locate numerous leaks in the landfill cover seal. Based on this situation and the fact that the District is responsible for ensuring

compliance with landfill operations, Using Year 2 funds, the District purchased a portable methane detector which will be used by District staff to locate leaks of volatile organic compounds and greenhouse gases. The District will also loan the detector to landfill operators as a proactive action to prevent leaks and maintain compliance.

- v. Grant funds expended this reporting period- **\$10,624.35**  
Remaining Funds- \$23,678.65
- vi. Expenditure summary- See attached spreadsheet and employee time sheets.

If you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "John Waldrop".

John Waldrop  
Air Quality District Manager

JW/md

C: Kalie Bonomo, CAPCOA via email ([kalie@capcoa.org](mailto:kalie@capcoa.org))

AB 617 Implementation Year 4 - Time Accounting  
 Grant G20-CAPP-29

Period: July 1, 2022 through June 30, 2023

PROGRAM ADMINISTRATIVE FEES PER EMPLOYEE AT FULLY BURDONED PAY RATE

	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Total Hr.	21/22 Rate	Total
John	7	16.75	11										34.75	\$	3,340.87
Michelle	0	0	0										0	\$	-
Rob	1	0	2										3	\$	223.29
Lindsey	4	7	4										15	\$	1,075.95
Chad	8	19	12										39	\$	1,954.29
Kyle	14	3	42										59	\$	3,129.95
Monica	4.5	11	3.25										18.75	\$	900.00
													169.5	\$	10,624.35

Program Codes

Prog ID	Serv ID	Duties
36	30	AB617 Implementation, BARCT Rule Development, Cement plant drive by, Fenceline Monitoring

PROJECT/MATERIALS                      DATE                      AMOUNT

Hardware for Sensors			
Hardware for Sensors			
Lehigh Surveillance Binoculars			
Cables/chargers Portable sensors			
Total Project funds		\$ -	\$ -
		July 1, 2022- June 30, 2023 Total	\$ 10,624.35