



# Shasta County

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

Paul A. Hellman  
Director

Dale J. Fletcher, CBO  
Assistant Director

July 7, 2021

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 #G18-CAPP-29 Final Report

Per Section 2.B of Grant Agreement G18-CAPP-29 this shall serve as the final report due on June 30, 2021.

- i. Final Report- 1/1/2021 through 6/30/2021, AB 617 Community Air Protection Program, Shasta County AQMD, submitted on July 1, 2021.
- ii.

Task Performed	Task Cost
BARCT Evaluation Facility #1	\$4,729.85
BARCT Evaluation Facility #2	\$11,299.44
AB 617 Supervision/administration and rulemaking (1/1/21-6/30/21)	\$17,058.70
Purchase and install Community Air Sensor Network for low-income communities	\$7,248.27
Developed and completed Open Burn Public Education On-line Course	\$1,555.11
Update PM 2.5 monitoring software and equipment to interface with web based public information	\$10,750.22
Purchased portable methane detector for landfill GHG inspections in low income community	\$4,563.05
<b>GRAND TOTAL</b>	<b>\$57,204.63</b>

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AIR QUALITY MANAGEMENT DISTRICT  
(530) 225-5674  
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BUILDING DIVISION  
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☐ Suite 103  
PLANNING DIVISION  
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Fax (530) 225-5413

☐ Suite 200  
ADMINISTRATION  
(530) 225-5789  
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- 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 2 funds under this grant.
- iv. **2020-21 Program Utilizing Year 2 AB 617 Funds**

**BARCT Determinations-** 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 reviewed by the subject facilities and legal counsel. The District will now complete the rulemaking process which is preliminarily set to be presented to the District Board in September 2021.

**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.

**Open Burning Public Education-** Shasta County has many residents who conduct open burning. The District responds to over 100 documented complaints regarding smoke and illegal burning per year. Many of these complaints are the result of an uneducated public. A high percentage of open burn complaints and violations occur in low income communities. The District developed an online course that has been tested and is ready to go live on the District's website for the fall 2021 burn season.

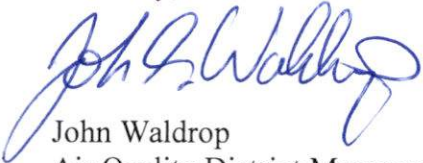
This course can be taken voluntarily by residents for general education or, as a way to proactively settle open burn violations in an educational manner.

**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, 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- **\$57,204.63**.  
Remaining Funds- \$0.00
- vi. Expenditure summary- See attached spreadsheet and employee time sheets.

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

Sincerely,



John Waldrop  
Air Quality District Manager

JW/my

C: Rachel Pallatin via email ([rachel@capcoa.org](mailto:rachel@capcoa.org))

**SHASTA COUNTY AQMD AB 617 Time Accounting Report  
G18-CAPP-29**

**Period: January 1, 2021 through June 30, 2021**

**Administrative Time**

	29	30	36	26	Total Hr.	Rate	Total
John	2	87	103	8	200		\$ 16,124.00
Molly	4	9.5	2.5	10	26		\$ 934.70
Rob	0	15	55.5	0	70.5		\$ 4,729.85
Lindsey	0	0	178	0	178		\$ 11,299.44
Chad	0	37	0	0	37		\$ 1,555.11
Kyle	0	77	0	0	77		\$ 3,468.08
Monica	43.75	0	0	128.75	172.5		\$ 6,429.08
	<b>49.75</b>	<b>225.5</b>	<b>339</b>	<b>146.75</b>	<b>761</b>		<b>\$ 44,540.25</b>

**Program Codes**

- 29 AB 617 Update monitoring equipment and software to interface with publicly viewable platform.
- 30 AB617 Implementation/Incentives
- 36 AB 617 BARCT
- 26 AB 2588 Hot Spots Emission Inventory (emission inventory chargeable to AB 617 Implementation)

**PROJECT/MATERIALS**

Purple Air sensors	\$ 3,780.19
Agileaire Software	\$ 2,620.00
Eagle 2 Methane Detector	\$ 4,563.05
EBAM Filter tape	\$ 1,701.14
<b>Total project funds</b>	<b>\$ 12,664.38</b>

Project/Materials	\$ 12,664.38
Administrative Time	\$ 44,540.25
<b>Grand Total</b>	<b>\$ 57,204.63</b>
Grant Funds Available	56,647.00
<b>BALANCE</b>	<b>\$ (557.63)</b>

# Accounts Payable

## Batch Info

Batch Id: OH828032

## Invoice [PA15818 ] - Vendor [VEND016742 ]

Invoice Number: PA15818  
Invoice Total: 3,780.19  
Invoice Date: 2/22/2021

03/12/2021 02370957

## Vendor Info

VEND016742 - PURPLEAIR LLC  
12411 S 265 W STE B  
DRAPER, UT 84020

CX 3/16/21 CHK

Quantity	Description	Accounts	Amount	PO # (P/F)	Misc
15.00	PURPLE AIR SENSORS	GL: 00373-549189	3,780.19	P0006718 P	P

RECEIVED

MAR 02 2021

Shasta County AQMD

## Purchase Request [R0025008]

**PR Total:** 2620.00.  
**Requested By:** YEAGER, MOLLY A  
**Requested Date:** 3/30/2021  
**Entry Date:** 3/30/2021  
**Vendor:** VEND000107:01 - AGILAIRE LLC

### Purchase Request Items

Item #	Quantity	Unit Price	Item Total	Cost Center	Account	Project	Activity
0001	1.000	2,620.00	2,620.00	00373	035590		

#### Description

SUPPORT/UPGRADE SERVICE OF AIRVISION DIRECT  
POLL DRIVER LICENSE

### Purchase Request [R0024804]

**PR Total:** 4563.05  
**Requested By:** YEAGER, MOLLY A  
**Requested Date:** 2/10/2021  
**Entry Date:** 2/10/2021  
**Vendor:** VEND016758:01 - BWS DISTRIBUTORS INC

### Purchase Request Items

Item #	Quantity	Unit Price	Item Total	Cost Center	Account	Project	Activity	Distribution
0001	1.000	1,945.00	2,086.01	00373	035500			100%
<b>Description</b>								
721-001/RK EAGLE 2 FOR LEL PPM METHANE DETECTOR EQUIPMENT								
0002	1.000	2,080.00	2,230.80	00373	035500			100%
<b>Description</b>								
81-SDME2-02/RK CAL STATION FOR EAGLE II METHANE DETECTOR EQUIPMENT								
0003	1.000	155.00	166.24	00373	035500			100%
<b>Description</b>								
81-0012RK-03/RK 103 LITER, 50% LEL CH4, BALANCE METHANE DETECTOR EQUIPMENT								
0004	1.000	80.00	80.00	00373	035500			100%
<b>Description</b>								
ESTIMATED SHIPPING								

\$4,563.05

# Accounts Payable

## Batch Info

Batch Id: OHB42906

Invoice [186632] - Vendor [VEND003935]

Invoice Number: 186632  
Invoice Total: 1,701.14  
Invoice Date: 6/8/2021

06/30/2021 02377325

## Vendor Info

VEND003935 - MET ONE INSTRUMENTS INC  
1600 WASHINGTON BLVD  
GRANTS PASS, OR 97526

CX \_\_\_\_\_

Quantity	Description	Accounts	Amount	PO # (P/F)	Misc
1.00	FILTER TAPE FOR BAM MONITORS	GL: 00373-035500	1,701.14	U0009277 F	P



## Welcome to the Shasta County Air Quality Management District's (AQMD) Burning Violators Online Training Course

This course provides an educational alternative to first-time violators of the County's Open Burning Rule 2:6. Successful course completion will result in the reduction or waiving of the monetary penalty. This option is not available to repeat violators.

### How To Get Started

1. Read each Module carefully.
2. Answer the questions at the end of each Module.
3. To successfully complete the course *all* questions must be answered correctly.

