

## AB 617 Implementation Funds Annual Report

<b>I.</b>	<b>Report Number:</b>	Year 4, Report 1
	<b>Title:</b>	AB 617 Implementation Funds Year 4, Report 1
	<b>Reporting Period:</b>	June 1, 2021 – May 31, 2022
	<b>Name of Grantee:</b>	San Luis Obispo County Air Pollution Control District
	<b>Grant Number:</b>	G20-CAPP-27
	<b>Date of Submission:</b>	June 30, 2022

**II. Costs associated with specific tasks:**  
*(for example: identifying location for monitoring, deploying community air monitoring systems, fence-line monitoring, reporting emissions, developing a community emissions reduction program, establishing best available retrofit control technology requirements, adopting an expedited schedule for the implementation of best available retrofit control technology, community meetings or other Community Air Protection implementation efforts and outreach). Information for outreach events must include the date, location, topics, and number of attendees, for each event.)*

See excel document for more detail:

II. Report Costs Associated with Specific Tasks	Community Monitoring Staff Time (identifying location for monitoring, deploying community air monitoring systems, etc.)	\$22,932.00
	Monitoring Equipment Purchases	\$8,517.14
	Community Engagement (website updates, board presentations, etc.)	\$10,878.00
	General Staff Time(administrative, board items, etc.)	\$1,617.00

**III. How is grant being utilized to meet goals of AB 617:**  
*(If applicable, include emissions reductions being achieved)*

The implementation grant funds were and continue to be used to implement the Oceano Community Monitoring Project and the Nipomo Mesa Monitoring Project. The goals of these projects are congruent with the goals of AB617 as staff are deploying and operating community level air monitoring systems and improving community capacity to participate in the process.

In March of 2018, a resident of Oceano and Nipomo Mesa nominated their community to the CAP Program. Since Oceano and the Nipomo Mesa have not been and are not likely to be among the priority CAP communities selected for funding by CARB, the San Luis Obispo County Air Pollution Control District (SLO County APCD) wanted to address the community concerns by using some of our CAP implementation funds to purchase, install, and manage particulate matter (PM) sensors in Oceano and the Nipomo Mesa.

During previous funding cycles, SLO County APCD sought participation from the Oceano community to host monitors by attending community meetings and engaging with political leaders. Staff were able to secure host sites at the Oceano community Service District and at the homes of Oceano residents. Staff then sought community partners on the Nipomo Mesa and was ultimately successful in securing hosts of monitoring equipment. Seeking community partners to host monitoring equipment insured community participation in the monitoring process. Subsequently, SLO County APCD has dedicated some of our CAP Implementation funds to continue supporting the equipment and ensuring the data is readily accessible by the public.

**IV. Summary of work completed and in progress since the last progress report:**

To continue measuring particulate matter (PM) levels staff used Year 4 Implementation funding for the ongoing operation and maintenance of a more complete and reliable air quality network with a continued focus on measuring PM levels near Dorothea Lange Elementary and Lopez High on the Nipomo Mesa. Resultant data has helped staff to [revise the APCD AQI Regions map](#) on the APCD's South County Air Quality website to better reflect current air quality conditions and improve forecast reliability.

Staff continued to work with community partners near Dorothea Lange and Lopez High to host particulate monitors. This includes a BAM 1020 in a standalone cabinet near Dorothea Lange, as well as, the YR3 funded Solar powered trailer housing a BAM 1020 located near Lopez High. Staff also deployed a custom enclosure containing an IQ Air Visual sensor to the north of Lopez High to increase spatial resolution of the data and a second IQ Air Visual at the host site near Dorothea Lange for correlation and validation purposes. Staff continues to operate and maintain the remaining Air Visual sensors comprising the Oceano Community monitoring project.

Staff understands that one of the goals of 617 is to improve the community's capacity to participate in the monitoring process which includes access to monitoring data in a user-friendly way. The APCD's Oceano Community Monitoring's [Particulate Matter Air Quality Index Map](#) displaying the monitors and sensors deployed for the project and their corresponding hourly data. The map also includes APCD regulatory monitors such as CDF. Staff continues to maintain this map and have also added the Nipomo Mesa Monitoring Project monitors to the map so the public can easily access hourly data from the monitors and readily understand the current air quality in the South County region.

Moving forward staff is working to obtain two Clarity Node-S particulate sensors to evaluate for effectiveness in monitoring wind blown particulates which are the largest source of particulate exceedances on the Nipomo Mesa and Oceano communities. These all-in-one particulate sensor measure PM1, PM2.5, and PM10. They can add on easily integrated meteorology sensors and include back up battery, solar panels, cellular connectivity and simple maintenance. The ability to perform remote calibration via colocation with FEM monitors also promises improved accuracy and reliability over other low-cost sensors currently in use such as the Air Visuals. If these prove reliable and more accurate, older Air Visual sensors will be phased out and replaced with Clarity Nodes to further improve the Oceano Community monitoring network.

**V. Grant funds remaining and expended:**

See excel document for more detail:

V.	<b>Funding Expended</b>	<b>\$43,944.14</b>
	<b>Funding Remaining</b>	<b>\$16,458.86</b>

<b>VI.</b>	<b>Expenditure summary showing all Community Air Protection Program Implementation Funds for which reimbursement is being requested:</b>
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See excel document for more detail. No reimbursement is being requested at this time:

	<b>Grant Funds Available</b>	<b>\$60,403.00</b>
II. Report Costs Associated with Specific Tasks	Community Monitoring Staff Time (deploying/maintaining community air monitoring systems, etc.)	\$22,932.00
	Monitoring Equipment Purchases	\$8,517.14
	Community Engagement (website updates, board presentations, etc.)	\$10,878.00
	General Staff Time (administrative, board item prep, etc.)	\$1,617.00
V.	<b>Funding Expended</b>	<b>\$43,944.14</b>
	<b>Funding Remaining</b>	<b>\$16,458.86</b>
VI.	<b>Reimbursement Requested and Received</b>	<b>\$60,403.00</b>

# AB 617 COMMUNITY FUNDING SUMMARY REPORT

YEAR 4: June 1, 2021 - May 31, 2022

	<b>Grant Funds Available</b>	<b>\$60,403.00</b>
II. Report Costs Associated with Specific Tasks	Community Monitoring Staff Time (identifying location for monitoring, deploying community air monitoring systems, maintaining systems, etc)	\$22,932.00
	Monitoring Equipment Purchases	\$8,517.14
	Community Engagement (website updates, board presentations, etc.)	\$10,878.00
	General Staff Time (administrative, board item prep, etc.)	\$1,617.00
V.	<b>Funding Expended</b>	<b>\$43,944.14</b>
	<b>Funding Remaining</b>	<b>\$16,458.86</b>
VI.	<b>Reimbursement Requested and Received</b>	<b>\$60,403.00</b>

# AB 617 COMMUNITY AIR MONITORING PURCHASES

<b>Purchase Period:</b>	June 1 ,2021-May 31, 2022	
<b>DATE</b>	<b>ITEM DESCRIPTION</b>	<b>TOTAL COST</b>
<b>June 1st, 2021 - May 31st, 2022</b>		
6/1/2021	Electrical Reimbursment (OCSD)	\$ 409.00
6/15/2021	Cooling Fans for Air Visual Enclosures	\$ 30.90
6/15/2021	Enclosures and vents for AirVisual boxes	\$ 230.59
6/23/2021	5v Solar Panels for enclosures	\$ 64.99
7/29/2021	Wire baskets for AV stands inside enclosures	\$ 18.47
8/9/2021	Northview Electricity Reimbursment (Sept-July 21)	\$ 1,250.26
8/9/2021	Northview Electricity Reimbursment (Aug-Sept 21))	\$ 278.00
9/10/2021	Misc Hardware for AV installation	\$ 45.77
5/24/2022	BAM Spare parts & consumables (Tape, orings, pump rebuild)	\$ 2,349.16
6/1/21-5/31/22	1 year lease to Mr. Kim (hosting solar trailer)	\$ 2,400.00
6/1/21-5/31/22	Matsuyama Electric Reimbursment (hosting BAM enclosure)	\$ 1,200.00
6/1/21-5/31/21	Cell Modem Fees	\$ 240.00
	<b>Total</b>	<b>\$8,517.14</b>

AB617 COMMUNITY ADMIN FUNDS

2023 MDU

Personnel		Jan-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	
Hours	Rate (\$/Hr)	Total (\$)	Hours	Rate (\$/Hr)	Total (\$)	Hours	Rate (\$/Hr)	Total (\$)	Hours	Rate (\$/Hr)	Total (\$)	Hours	Rate (\$/Hr)	Total (\$)
<b>Planning &amp; Monitoring</b>														
Alex Malzer	ADM	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Don Albrecht	GM	0.00	\$ 280.00	\$ -	0.00	\$ 280.00	\$ -	0.00	\$ 280.00	\$ -	0.00	\$ 280.00	\$ -	0.00
Ashley Gosholt	ADM	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Beth DeWester	ADM	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Vivian Kisheloff	WR	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Paul O'Brien	CMG	12.50	\$ 196.00	\$ 2,450.00	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
David Cardiel	CMC	0.00	\$ 196.00	\$ -	2.00	\$ 196.00	\$ 392.00	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
		<b>12.50</b>	<b>\$ 1,960.00</b>	<b>\$ 2,450.00</b>	<b>2.00</b>	<b>\$ 392.00</b>	<b>\$ -</b>	<b>0.00</b>	<b>\$ 1,960.00</b>	<b>\$ -</b>	<b>0.00</b>	<b>\$ 1,960.00</b>	<b>\$ -</b>	<b>0.00</b>
	Planning/Monitoring FTE TOTAL													
<b>Engineering &amp; Compliance</b>														
Clara Brewer	CMC	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Carrie Arendts	CMR	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Ruth Taylor	CMR	25.00	\$ 196.00	\$ 4,900.00	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Paul Whitney	CMR	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Jeff	CMR	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Scott Turner	CMR	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Scott Walker	CMR	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Mary Boyerette	CMR	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
	Engineering & Compliance FTE TOTAL	<b>25.00</b>	<b>\$ 4,900.00</b>	<b>\$ -</b>	<b>0.00</b>	<b>\$ 1,568.00</b>	<b>\$ -</b>	<b>0.00</b>	<b>\$ 7,840.00</b>	<b>\$ -</b>	<b>0.00</b>	<b>\$ 3,920.00</b>	<b>\$ -</b>	<b>0.00</b>
<b>Admin</b>														
Chris Wiley	ADM	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Michael Field	ADM	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	1.50	\$ 196.00	\$ 294.00	0.00	\$ 196.00	\$ -	0.00
Patricia Redden	ADM	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Jeffery Robinson	ADM	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Kristen Hawkins	ADM	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Joan Price	ADM	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	0.00
Anna Hinkle	ADM	1.75	\$ 196.00	\$ 343.00	0.00	\$ 196.00	\$ -	1.50	\$ 196.00	\$ 294.00	0.00	\$ 196.00	\$ -	0.00
Linda Gardner	ADM	0.00	\$ 197.00	\$ -	0.00	\$ 197.00	\$ -	0.00	\$ 197.00	\$ -	0.00	\$ 197.00	\$ -	0.00
Emily Myers	ADM	0.00	\$ 196.00	\$ -	0.00	\$ 196.00	\$ -	2.00	\$ 196.00	\$ 392.00	0.00	\$ 196.00	\$ -	0.00
	Admin FTE TOTAL	<b>1.75</b>	<b>\$ 343.00</b>	<b>\$ -</b>	<b>1.50</b>	<b>\$ 294.00</b>	<b>\$ 147.00</b>	<b>2.00</b>	<b>\$ 3,920.00</b>	<b>\$ 392.00</b>	<b>0.00</b>	<b>\$ 1,960.00</b>	<b>\$ -</b>	<b>0.00</b>
<b>Temp &amp; Interns</b>														
Hanna	ADM	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00
Isabella	ADM	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00
Melanie Hernandez	ADM	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00
Benji	ADM	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00
Carly Gierens	ADM	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00
Gracie Sawyer	ADM	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00	\$ 22.00	\$ -	0.00
	Temp/Interns TOTAL	<b>0.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00</b>
	Total Staff Hours	<b>65.75</b>	<b>\$ 12,957.00</b>	<b>\$ 2,450.00</b>	<b>3.50</b>	<b>\$ 693.00</b>	<b>\$ 147.00</b>	<b>4.50</b>	<b>\$ 8,820.00</b>	<b>\$ 784.00</b>	<b>0.00</b>	<b>\$ 3,920.00</b>	<b>\$ -</b>	<b>0.00</b>
	Total Available to Spend	<b>\$51,403.00</b>	<b>\$51,403.00</b>	<b>\$47,933.00</b>	<b>\$48,000.00</b>	<b>\$43,013.00</b>	<b>\$37,814.00</b>	<b>\$34,763.00</b>	<b>\$28,763.00</b>	<b>\$24,763.00</b>	<b>\$21,000.00</b>	<b>\$17,250.00</b>	<b>\$13,500.00</b>	<b>\$9,750.00</b>
	Total Payroll Hours Spent	<b>\$8,967.00</b>	<b>\$8,967.00</b>	<b>\$1,766.00</b>	<b>\$6,072.00</b>	<b>\$2,205.00</b>	<b>\$1,978.00</b>	<b>\$16,766.00</b>	<b>\$16,766.00</b>	<b>\$16,766.00</b>	<b>\$16,766.00</b>	<b>\$16,766.00</b>	<b>\$16,766.00</b>	<b>\$16,766.00</b>
	Funds Off Available	<b>\$42,436.00</b>	<b>\$42,436.00</b>	<b>\$46,167.00</b>	<b>\$41,928.00</b>	<b>\$40,808.00</b>	<b>\$35,836.00</b>	<b>\$18,000.00</b>	<b>\$12,000.00</b>	<b>\$5,234.00</b>	<b>\$4,234.00</b>	<b>\$4,234.00</b>	<b>\$4,234.00</b>	<b>\$4,234.00</b>
<b>Community Maintenance Staff Time Total</b>														
			<b>\$2,832.00</b>											
<b>Community Maintenance Staff Hours Total</b>														
			<b>128.75</b>											
<b>General Staff Hours Available</b>														
			<b>1,817.25</b>											
<b>General Staff Hours Spent</b>														
			<b>31,272.00</b>											

24,883.00

6,566.00

3,960.00

35,477.00