




Agenda Date: January 17, 2019
Agenda Placement: Admin.
Estimated Time: N/A
Continued Item: No

Board Agenda Item

TO: Air Pollution Control District Board

FROM: Aeron Arlin Genet, Air Pollution Control Officer 

CONTACT: Kristina Aguilar, Administrative Manager 805-961-8813

SUBJECT: Fiscal Year 2018-19 Budget Amendment and a Waiver of Competition for the Purchase of an Airpointer Portable Air Monitor

RECOMMENDATION:

1. Authorize the following budget amendments:
 - a. Transfer appropriations of \$48,200 from Services & Supplies Account #7460 (Professional and Special Services) to Capital Assets #8300 (Equipment); and
 - b. Increase appropriations of Capital Assets Account #8300 (Equipment) by an additional \$50,000, for a total budget amount of \$235,200.
2. Authorize the Santa Barbara County Air Pollution Control District (District) to purchase an Airpointer portable air quality monitor as a sole source procurement without being required to conduct a formal bid process, for a total cost not to exceed \$108,200, including taxes.

DISCUSSION:

1. Proposed Budget Amendments:

On October 18, 2018, your Board approved acceptance of a California Air Resources Board (CARB) one-time grant in the amount of \$50,000. As referenced in the Board letter, these grant funds will be added to the \$50,000 already included in the FY 2018-19 budget for the purpose of purchasing a portable air monitor. A budget amendment is required by the Auditor-Controller and County Budget Act to properly classify appropriations in the correct Expenditure Object Level for budgetary and financial reporting purposes before the new equipment can be purchased. In

approving this action, \$48,200 will be transferred from the District's Services & Supplies Account #7460 (Professional and Special Services) to the Capital Assets object level Account #8300 (Equipment) and the total budget for appropriations of Capital Assets Account #8300 (Equipment) will be increased by \$48,200. Combined with \$10,000 that was originally included in the Capital Assets budget for monitoring equipment and the additional \$50,000 grant funds, the transfer of \$48,200 will result in a net zero effect to the overall budget for the purchase of the equipment.

The budget amendments require a four/fifths approval vote, i.e., 11 affirmative votes.

2. Sole Source Procurement of Portable Monitor:

Air quality monitoring equipment must use approved sampling methods and follow strict quality assurance specifications. Because of these constraints, the amount of vendors and types of equipment offered for sale is inherently limited. District staff conducted research and interviewed experts in the field of air monitoring to determine the best type of equipment to meet our specialized needs for a portable monitor. This included direct communication with vendors, discussions with experts at national air monitoring conferences, and discussions with California Air Resources Board (CARB) monitoring staff. The Airpointer is a compact, low weight, highly efficient device that requires less maintenance and energy to operate while producing high quality air monitoring data that meets state and federal monitoring requirements.

We investigated the possibility of purchasing a customized monitoring van; however, not all of the proposed equipment met the required standards, and a van introduces additional expenses related to staffing and vehicle maintenance as well as power supply/continuity restrictions. In addition, the cost of a customized monitoring van was estimated to be two to three times the price of the Airpointer portable monitor.

The District would like to purchase an Airpointer portable air monitor with trailer and stand, customized to meet the District's specialized needs. The equipment manufacturer, Ambilabs, (www.ambilabs.com) designs and manufactures turn-key stationary and mobile air monitoring systems, and has provided a price quote of \$108,194 that is attached to this letter. This customized monitor, which uses instrumentation that District staff is already familiar with, is only available through Ambilabs, and is not available through any other manufacturers. The Airpointer is a specialized mobile monitor system that provides for safe and secure housing and transport of highly sensitive and accurate monitoring equipment. The equipment can be placed on a trailer for deployment, and can be moved off the trailer for inside storage, testing, and maintenance.

The specific build that is included in this quote includes an H₂S (hydrogen sulfide) analyzer capable of measuring this odorous gas down to 1 part per billion and a particulate monitor that simultaneously measures both PM₁₀ and PM_{2.5} (particulate matter less than 10 microns in size, and less than 2.5 microns in size, respectively). These instruments are designated as equivalent methods to the state and federal reference methods, meaning that the measured values can be compared to the applicable ambient air quality standard. The Airpointer also includes equipment to measure meteorological conditions, and additional pollutant monitors can be added to the unit in the future and installed onsite. The unit can use either Ethernet or cell modem to communicate with the District's existing air quality software so that the data collected can be publically

accessible on our website. The District intends to use this equipment to measure air quality in cases where air pollutants and/or odors may be intermittent or change locations, such as during wildfires, prescribed burns, complaints, special studies, and accidental releases.

As the quoted cost of \$108,194 for the Airpointer exceeds the District's authority to issue a purchase order without completing a bid process, The District requests a competitive bid waiver to move forward with the purchase of an Airpointer mobile monitor. As described above, the Airpointer is a specialized piece of equipment that is designed and custom-built to meet the District's portable monitoring needs, and the gas analyzers included in the Airpointer meet strict state and federal protocols.

FISCAL IMPACT:

The budget amendments that are proposed in this item specifically address impacts to the Fiscal Year (FY) 2018-19 budget that your Board adopted on June 21, 2018. In terms of District staff time, the acquisition and future deployment of an Airpointer portable air monitor is within the scope of the air monitoring activities that were included in the FY 2018-19 approved budget.

ATTACHMENTS:

- A. Budget Journal Entry
- B. Airpointer portable air monitor quote

ATTACHMENT A

Fiscal Year 2018-19
Budget Journal Entry

January 17, 2019

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

Budget Journal Entry

Document Number: BJE - 0006087 Batch ID: 2243141 Created On: 11/15/2018 1:32:15 PM
 Document Description: To amend budget from S&S to Capital Processed On: Created By: Kristina Aguilar
 Post On: Processed By:

References

Audit Trail: Actualizing JE:

Budget Revision Request

Agenda Item: Agenda Date: 12/20/2018 Approval: BOS 4/5 Has Board Letter: Yes

Title: Budget Amendment for AirPointer

Budget Action: Transfer appropriations of \$48,200 from Services & Supplies Account #7460 Professional and Special Services to Capital Assets Account #8300 Equipment. Also increase appropriations in Account #8300 Equipment by \$50,000 and revenue account #5097 Planning and Engineering

Justification: The proposed budget amendment will transfer \$48,200 from the Services & Supplies Account #7460 Professional and Special Services to Capital Assets object level (#8300 Equipment) to allow for the purchase of a Mobile Air Sensor called an AirPointer, within our Monitoring department. With this budget amendment, we will also add an additional appropriation of \$50,000 to cover the cost of the capital asset. The additional appropriation will be covered by a California Air Resources Board (CARB) one-time grant that the District's board approved on October 18, 2018. This asset was not originally budgeted for in FY 2018-19, however now that the one-time monies from CARB have become available the District would like to purchase the sensor in the current fiscal year.

Budget Revision Request Financial Summary

Fund	Department	Project	Object Level	Source Amount	Use Amount
1960 - APCD	871 - Air Pollution Control District		30 - Charges for Services	50,000.00	0.00
1960 - APCD	871 - Air Pollution Control District		55 - Services and Supplies	0.00	(48,200.00)
1960 - APCD	871 - Air Pollution Control District		65 - Capital Assets	0.00	98,200.00
Fund: 1960 - APCD, Department: 871 - Air Pollution Control District Total:				<u>50,000.00</u>	<u>50,000.00</u>

Accounting

Fund	Dept	GL Acct	LI Acct	Debit Amount	Credit Amount	Prog	OUnit	Proj	Budget Period	Description
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Budget Journal Entry

1960	871	2530	7460	48,200.00		201812	To amend budget for capital asset purchase
1960	871	2530	8300		98,200.00	201812	To amend budget for capital asset purchase
1960	871	2420	5097	50,000.00		201812	To amend budget for one-time CARB grant
			Total	<u>98,200.00</u>	<u>98,200.00</u>		

Signatures

<u>Signed By</u>	<u>Approval Level</u>	<u>Department/Agency-Fund Group</u>	<u>Signed On</u>	<u>Valid</u>
Kristina Aguilar	Fund/Department	10-Air Pollution Control District Funds	12/21/2018 10:40:34 AM	Y

ATTACHMENT B

Airpointer Portable Air Monitor Quote

January 17, 2019

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110



PO Box 311, Warren RI 02885
 EIN: 45-2275301
 Tel : 877-247-0403 , Fax : 401-537-9166
 Email : info@ambilabs.com
 Web : www.ambilabs.com

Quotation

Date	Estimate #
12/10/2018	M13107

Purchaser
Santa Barbara County APCD 260 North San Antonio Rd, Suite A Santa Barbara, CA 93110 ATTN: Joel Cordes (805-961-8816)

Item	Description	Qty	U/M	Per Unit	Total
	AIRPOINTER				
Airpointer Group					
AP-HC	Airpointer HC (High Capacity) Base Unit 58"x36"x26" Comprising thermally isolated cabinet including 1100W A/C unit designed for hot/humid climates, sampling system incl. piston pump, zero air cartridge, central power supply Data processing platform with 32bit CPU, 512 MB RAM, 2 HDD (RAID 1), mini-UPS, and ethernet connection; includes handles, set of 2 door locks.	1		27,444.00	27,444.00T
Discount - Product	Product Discount on above line item			-1,500.00	-1,500.00
	H2S MODULE				
AP-H2S	H2S Module: UV-Fluorescence analyzer with H2S converter & signal conditioning for integration into the Airpointer base unit. *NOTE: Teledyne module preferred per SBCAPCD	1		23,355.00	23,355.00T
AP-H2St	Airpointer permtube H2S	1		794.00	794.00T
AP-IZS-H2S	Internal H2S source (perm tube oven) for periodical span point check of the H2S analysis module (no perm tube included).	1		2,639.00	2,639.00T
	MET GEAR				
V-AllinOne	Multiparameter Meteorological Sensor - includes Ultrasonic Wind Speed/Wind Direction (2D), Precipitation (volume, duration, and intensity), barometric pressure, air temperature, humidity.	1		3,670.00	3,670.00T
	PARTICULATE MATTER				
AE-T640	Model T640 PM Mass Monitor High resolution particle sensor with broadband LED source, Microprocessor control with 4GB internal data storage and NumaView software. T-series, lightweight 19" rack mountable chassis with Ethernet communications. Simultaneous, 1-min. PM10 and PM2.5 mass concentration measurements. 115VAC 60Hz.. Includes the following: Internal sample pump (for 5 LPM sample flow) with in-line DFU filter. Internal sample flow controller with ambient temp/pres compensation. Aerosol Sample Conditioner (ASC). Ambient temperature probe with 15' cable and solar shield. Operating manual on CD.	1		25,490.00	25,490.00T
TPI-0849	Leak Check, flow adaptor kit	1		190.00	190.00T
	SHIPPING				
Shipping-Std	Packing and Shipping and Insurance of Airpointer to Santa Barbara, CA SUB-TOTAL: AIRPOINTER + SHIPPING			895.00	895.00 82,977.00
	TRAILER & SCISSOR LIFT				
Mobile shelters	4 x 6' Advanced Trailer, customized for Airpointer transport Includes secure attachment for Airpointer and scissor lift for easy relocation, levelers, tool box, spare tire	1		10,000.00	10,000.00T
PL1	Scissor Lift Stand, customized for Airpointer Includes locking wheels, removable frame for storage and transport on trailer	1		6,000.00	6,000.00T
				Total	



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Quotation

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12/10/2018	M13107

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Item	Description	Qty	U/M	Per Unit	Total
Shipping-Std	SHIPPING Packing and Shipping and Insurance of Trailer to Santa Barbara, CA			1,500.00	1,500.00
	SUB-TOTAL: TRAILER/LIFT+ SHIPPING				17,500.00
	OPTIONAL ITEMS (NOT INCLUDED IN TOTAL):				
AP-AD	AD-Module for implementation of 6 additional analog devices, switchable 0-20mA or 0-10V.	0		580.00	0.00T
AP-FIL	Spare filter with extended lifetime of more than 10 times compared to conventional 47mm Teflon filter (cylinder style filter made of sintered Teflon).	0		92.00	0.00T
AP-H	Housing for cylinder-style sample filter with 8 times larger surface and more than 10 times longer filter lifetime (includes 1 filter). **PRICE ONLY VALID IF ORDERED WITH A BASE UNIT**	0		1,570.00	0.00T
AP-HHigh	**Only available with AP-H** Heating of sample filter to avoid condensation, including reservoir for moisture and alarm sensors to prevent overflow; measurement of the filter drop. Only needed in very cold or very humid climates.	0		1,451.00	0.00T
AP-HEAT	Additional heater to preheat Airpointer before start in case of start-up or restart at very low temperatures (-40 deg C).	0		620.00	0.00T
	TERMS & CONDITIONS				
T&C_Ambi_2015...	Payment Terms: 50/50 – 50% payment is due at the time order is placed, with balance due 30 days from the date of shipment to the customer. Full Terms and Conditions: http://ambilabs.com/TnCV1.pdf				0.00T
	California 7.75% Sales Tax			7.75%	7,717.61
				Total	USD 108,194.61