

September 18, 2009

TO: Members of the MAG Executive Committee

FROM: Peggy Neely, Phoenix, Chair

SUBJECT: ADDENDA TO THE SEPTEMBER 21, 2009, EXECUTIVE COMMITTEE AGENDA

An addenda to the September 21, 2009, Executive Committee agenda has been prepared to include Assistance to the Maricopa County Air Quality Department for Air Quality Monitors. Please contact the MAG office if you have questions about the addenda to the agenda.

ITEMS PROPOSED TO BE HEARD*

7. Assistance to the Maricopa County Air Quality Department for Air Quality Monitors

The Maricopa County Air Quality Department has informed MAG that three of their monitors are reporting possible air quality PM-10 exceedances. The current monitors are older technology (filter monitors) and when an exceedance occurs it counts as six exceedances due to the monitors not being continuous monitors. Having exceedances recorded may jeopardize the region's three years of clean data needed to attain the federal PM-10 standard. Due to declining permit revenue, it is difficult for the County to purchase three new continuous monitors that would cost \$98,552.46. The County will provide the matching funds to MAG of \$5,617.49 in cash or in-kind. The Dysart, Glendale and West Chandler monitors would be replaced with the newer technology (PM10 Thermo 1400 TEOM) monitors. To avoid exceedances at these monitors which count against this region, the County needs to purchase and install this equipment as soon as possible. MAG is requesting that MAG Federal Surface Transportation Program funds allocated to planning be used for the acquisition of the new monitors. Funding for monitors has been provided to the County in the past to upgrade the network. Please refer to the enclosed material.

7. Approval to amend the FY 2010 MAG Unified Planning Work Program and Annual Budget to include a project to provide the Maricopa County Air Quality Department \$98,552.46 to purchase and install three continuous air quality monitors.



Maricopa County
Air Quality Department

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September 17, 2009

Mr. Dennis Smith
Executive Director
Maricopa Association of Governments
302 North 1st Avenue, Suite 300
Phoenix, Arizona 85003

RE: Request for funding assistance for continuous monitors

Dear Mr. Smith:

Thank you for taking time out of what is undoubtedly a busy schedule to meet with Heather and me today for fruitful discussions regarding pending issues facing Maricopa County.

As follow up to discussion today, and on behalf of the Maricopa County Air Quality Department, the Air Quality Department requests MAG's assistance in funding to replace three 1-in-6-day PM10 filter monitors with three continuous PM10 Thermo 1400 TEOM monitors as summarized below.

Part Number	Part Description	Qty	Unit of Issue	Unit Price	Total Price
1400AVSW F	1400 TEOM Ambient Particulate	3	Ea	\$18,350.50	\$55,051.15
99-002332- 0120	Enclosure with 1.25" Flange, 120VAC, Air Conditioner	3	Ea	\$5,727.12	\$17,181.36
8832	ESC Model 8832 Ambient Data System Controller	3	Ea	\$5,000.00	\$15,000.00
Option VI	ESC Card, 8 Analog Voltage inputs	9	Ea	\$620.00	\$5,580.00
Option MET	ESC Meterological Input Card with Rainfall Counter	3	Ea	\$620.00	\$1,860.00
SP	ESC Additional RS 232 port	3	Ea	\$150.00	\$450.00
Option Option KD	ESC Color LCD Front Panel Display	3	Ea	\$680.00	\$2,040.00
Option DTM	ESC Desktop Mount (incl.)	3	Ea	\$0.00	\$0.00
	SUBTOTAL:			\$31,147.62	\$97,162.51
400DX	Samsung 400DX Analog Digital LCD Monitor	1	Ea		\$1,389.95
	GRAND TOTAL:				\$98,552.46

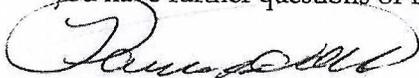
The existing filter monitors to be replaced with continuous monitors are currently located at these three locations:

- 16852 N. Dysart Road in Surprise (Dysart site)
- 6001 W. Olive in Glendale (Glendale site)
- 275 S. Ellis Road in Chandler (West Chandler site)

In addition, you will note the monitors include data loggers and a single special monitor with real time interface to allow department staff to continuously monitor potential increases in ambient particulates at these locations.

The replacement of these three monitors will move these affected monitors from a 1-in-6-day to a continuous schedule. This switch in equipment will potentially reduce the multiplier effect of the 1-in-6-day sampling schedule, thereby decreasing the expected exceedance rate at these sites. Absent this action, the July 18th filter-based exceedances are counted as essentially six exceedances per site which identifies these sites as nonattainment sites for the next three years. With continuous monitors, the July 18th exceedances will count as one per station.

The Air Quality Department's budget is fee based and does not have sufficient funds to make this change at this time or in the near future. Please do not hesitate to contact us if you have further questions or require additional information.



Lawrence Odle
Director

cc: Max Wilson, Chair, Maricopa County Board of Supervisors, District 4
Lindy Bauer, MAG
Nancy Wrona, ADEQ
Joy Rich, RDSA
Ben Davis, MCAQD