

## PM-10 CERTIFIED STREET SWEEPER APPLICATION

### CMAQ Funding Available for Federal Fiscal Year 2016

**General Instructions:**

This form is to be used to request federal Congestion Mitigation and Air Quality (CMAQ) funding available through the Maricopa Association of Governments (MAG) for PM-10 certified street sweepers. An estimated **\$1,081,440 in FY 2016 CMAQ funding is available regionwide.**

This application form includes: Part A - Contact Information, Part B - Cost and Funding Information, Part C - Methodology, Part D - Supplemental Information, Part E - Signature, and Part F - Checklist (These 6 parts are in one tab). Separate tabs are provided for Attachment 1 - list of eligible street sweepers for CMAQ reimbursement, Attachment 2 - list of example equipment not eligible for CMAQ reimbursement, and Map - a map of the PM nonattainment areas and monitor locations. Alternative application forms are available upon request.

### TRANSMITTAL INSTRUCTIONS and SCHEDULE

**Application Submittal Requirements**

All applications are due on **Monday, September 21, 2015 by 10:00 a.m.** Both an electronic and printed copy of the application and all attachments are required.

The electronic copy of the application includes the following:

- a. A completed Excel spreadsheet application in MS Excel format (Please do not send a PDF or Fax instead of the spreadsheet)
- b. A PDF or FAXed copy of the Excel spreadsheet with the signature block in Part E signed and dated
- c. A PDF or FAXed copy of all required attachments

The printed copy of the application includes the following:

- a. A printout of the completed Excel spreadsheet application, with the signature block in Part E signed and dated
- b. Printed copies of all required attachments

**MAG Mailing address**

Electronic applications should be sent to the following address:

[mailto: MAG Staff](mailto:MAG Staff)

Printed copies should be addressed as follows:

Maricopa Association of Governments  
ATTN: Teri Kennedy,  
302 N. 1st Avenue, Suite #300,  
Phoenix, AZ 85003.

If a complete, signed electronic copy is received by the submittal deadline, applicants have five working days to submit a printed copy of the application.

### Application Workshops and Open Working Group Meeting Schedule\*

Date	Time	Room	Event
Wednesday, August 19, 2015	10:00-11:30 AM	Saguaro	Workshop on MAG Transportation Programming and Federal Fund Project Applications
Monday, August 24, 2015	8:30-10:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications
Monday, September 14, 2015	9:00-10:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications

\* All meetings are on the 2nd floor of the MAG Offices at 302 N. 1st Avenue, Phoenix, Az 85003

### MAG Contact Information

Contact Name	Phone	E-Mail Address
MAG Offices	602-254-6300	
Teri Kennedy	602-254-6300	<a href="mailto:TKennedy@azmag.gov">TKennedy@azmag.gov</a>
Dean Giles	602-254-6300	<a href="mailto:DGiles@azmag.gov">DGiles@azmag.gov</a>
Stephen Tate	602-452-5010	<a href="mailto:State@azmag.gov">State@azmag.gov</a>

**All information in Parts A, B, C, D and E are required.**

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**PART A - CONTACT INFORMATION**

**Contact Information**

1. Agency Name (Please select one)	Phoenix
2. Name:	Eileen Yazzie
3. Phone:	602.534.5692
4. E-Mail:	<a href="mailto:eileen.yazzie@phoenix.gov">eileen.yazzie@phoenix.gov</a>
5. Mailing Address:	200 W. Washington, 5th Floor
	Phoenix, AZ 85003
	Salt River Application - Replace #333994

**PART B - FUNDING INFORMATION**

6. Please attach a detailed price summary for the proposed equipment from the vendor. Additional costs for optional equipment beyond the specifications necessary for compliance with Rule 1186-certification are not eligible for reimbursement.	Please attach the detailed price summary when submitting and transmitting application.		
7. Funding Information	<b>Amount</b>		
(a) Total Cost of Sweeper	<b>\$255,480</b>		
(b) Total Cost Eligible for Reimbursement ( See the Attachment 1 for Rule 1186 List of Eligible Sweepers)	<b>\$246,925</b>		
(c) Costs not eligible for reimbursement. The Local Agency is responsible for these costs. = 7a - 7b ( See Attachment 2 for list of example ineligible equipment for CMAQ reimbursement )	<b>\$8,555</b>		
8. Reimbursement Information	<b>Amount</b>	<b>Funding Type</b>	<b>Share of Eligible Cost (See #7)</b>
(a) Federal Share of Total Cost Eligible for Reimbursement (Cannot be more than 94.3% of Total Eligible Cost for Reimbursement as listed in 7b) = 7b * 94.3%	<b>\$232,850</b>	<b>CMAQ</b>	<b>94.3%</b>
(b) Local Share of Total Cost Eligible for Reimbursement (Cannot be less than 5.7% of Total Cost Eligible for Reimbursement as listed in #7b) = 7b * 5.7%	<b>\$14,075</b>	<b>Local</b>	<b>5.70%</b>
9. Project Funding Based on Information from #7 & #8	<b>Federal Share = 8a</b>	<b>Local Share = 7c + 8b</b>	<b>Total Cost of Sweeper</b>
	<b>\$232,850</b>	<b>\$22,629</b>	<b>\$255,480</b>

**PART C: METHODOLOGY INFORMATION**

Information in Part C is used to calculate a CMAQ cost effectiveness score for the requested street sweeper.

10. The requested PM-10 certified street sweeper will (Select Yes or No for all that apply):

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(a) Replace a noncertified street sweeper (b) Expand service area (c) Increase sweeping frequency (d) Replace an older certified street sweeper	No No No Yes			
11. For the requested sweeper, please provide the information for roadway types in the table below for: (a) Sweeping cycle length (measured in days between sweepings) (b) Lane miles to be swept per cycle (c) Average weekday traffic per lane being swept (d) If values were entered in the "Other" column, please specify what "Other" means:	<b>Arterial Street</b>	<b>Collector Street</b>	<b>Residential Street</b>	<b>Other</b>
	14	14	90	
	32	25	20	
	8800	5000	500	
	(a) Arterial - 10 working days/2 weeks, Collector - 10 working days/2 weeks, Residential - Quarterly every 3 months			
12. If "expand service area" was "yes" in question #10, please provide the following information for the roadway types in the table below: - Previously unswept lane miles to be swept by the new sweeper: If values were entered in the "Other" column, please specify what "Other" means:	<b>Arterial Street</b>	<b>Collector Street</b>	<b>Residential Street</b>	<b>Other</b>
13. If "increase sweeping frequency" was "yes" in question #10, please provide the following information for the roadway types in the table below: - Previous cycle length (measured in days between sweepings): If values were entered in the "Other" column, please specify what "Other" means:	<b>Arterial Street</b>	<b>Collector Street</b>	<b>Residential Street</b>	<b>Other</b>
14. If "replace an older PM-10 certified street sweeper" was "yes" in question #10, please provide information in the following boxes: (Note that at least one of a, b, or c must exceed useful life standards.)				
(a) Number of hours in service of the sweeper that is being replaced	16190	<b>Exceeds</b>	Useful life standard: 12,000 hours	
(b) The month and year that the older certified sweeper was put into service (e.g. 4/2001)	Dec-03	<b>Exceeds</b>	Useful life standard: 8 years	

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(c) Number of miles (including deadhead miles) on the sweeper that is being replaced (d) An estimate of the percent of time the older sweeper was out of service in the past year due to repairs and maintenance issues (e) Please explain why the older sweeper was out of service.	95528	Useful life standard: 96,000 miles
	25%	
Routine Maintenance		
15. Will the requested certified street sweeper be used to sweep streets within 4 miles of a PM-10 monitor? If yes, please specify which monitor. <a href="#">Link to MAG for PM-10 Map</a>	Yes, The sweeper to be replaced is part of a fleet that sweeps in our Southwest sweeping area. {see attached map} It is within four miles of PM-10 monitors. 1,5,7,11,15, & 17.	
<b>Part D - SUPPLEMENTAL INFORMATION:</b>		
16. Have local resources been committed for staff or equipment to support the PM-10 certified street sweeper? (Please select Yes or No)  If yes, please provide details (e.g., number, type and cost of employees, equipment, and maintenance).	Yes	The City has set aside \$23,000 in the 2016 budget year for sweeper purchase. This amount includes the 5.7% local matching funds and items not eligible for Federal reimbursements.
17. Please indicate in what geographical area(s) the requested certified street sweeper will operate (e.g., Glendale Ave. to Thomas Rd.; 19th Ave. to Central Ave).	The area within the City of Phoenix bounded by 111th Ave to 1St. Ave, W Bethany Home Rd. to W Pecos Rd. { See attached map}	
18. Provide a map of the area to be swept by the proposed sweeper.	Please attach a PDF when submitting and transmitting application. If available, please submit a GIS shape showing swept area.	
19. Please indicate if your agency would be willing to provide MAG with additional information on the requested PM-10 certified street sweeper. (Please select Yes or No)	Yes	
20. Please indicate the total number of sweepers currently owned and operated by your agency for sweeping streets:		
(a) PM-10 certified:	35	
(b) Noncertified:	0	

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**PART E - SIGNATURE PAGE**

As the jurisdiction's manager/administrator or designated representative, I certify that the information contained in this application is accurate and complete and that the local funds for this project will be included in the sponsoring MAG member agency's local current CIP/TIP or budget document if the project is selected for federal funding.

Signature: 

Name: Ray Dovalina, P.E.

Title: Street Transportation Director

Date: 9.16.15

**PART F - CHECK LIST (OPTIONAL)**

This check list is optional, but is included to facilitate applicant review and verification that all required fields in the form have been completed

Part A - Fields 1- 5 are complete	yes	
Part B - Fields 6-9 are complete	yes	
Part C - Fields 10-15 are complete	yes	
Part D - Fields 16-20 are complete	yes	



# Prioritized List of Proposed PM-10 Certified Street Sweeper Projects for FY 2015 CMAQ Funding Approved by MAG Regional Council on January 28, 2015

\$1,404,238 in CMAQ Funding is Available for Sweeper Projects

Agency	Federal Cost	Local Cost	Total Cost*	Daily Emission Reduction (Kilograms/day)	Cost-Effectiveness (CMAQ dollar cost per annual metric ton reduced)	The requested certified street sweeper will:			Have local resources been committed for staff or equipment to support the sweeper project?		Supplemental Information	Number of certified street sweepers owned and operated by your agency. ++
						Expand	Increase Frequency	Replace older certified sweeper	Yes	No		
Phoenix #1 +	\$220,936	\$13,355	\$234,291	1,407	\$61			✓			Area from 107 <sup>th</sup> Ave. to 16 <sup>th</sup> St., Camelback Rd. to Dobbins Rd.	34
Phoenix #2 +	\$220,936	\$13,355	\$234,291	547	\$158			✓			Area from 107 <sup>th</sup> Ave. to 16 <sup>th</sup> St., Camelback Rd. to Dobbins Rd.	34
Peoria +	\$231,215	\$13,976	\$245,191	159	\$567			✓			City limits from Northern Ave. to SR 74 and 67 <sup>th</sup> Ave. to El Mirage Rd.	5
Goodyear +	\$218,884	\$13,230	\$232,114	66	\$1,283			✓			Dysart Rd. to Petyville Rd. from Camelback Rd. to Riggs Rd.	4
Surprise #1 +	\$214,750	\$12,981	\$227,731	64	\$1,307			✓			Citywide.	9
Surprise #2 +	\$214,750	\$12,981	\$227,731	64	\$1,307			✓			Citywide.	9
Surprise #3 + ♦	\$214,750	\$12,981	\$227,731	61	\$1,376			✓			Citywide.	9
Subtotal	\$1,536,221											
Amount Available	\$1,404,238											
Balance	\$-131,983											
Surprise #4 +	\$214,750	\$12,981	\$227,731	61	\$1,376			✓			Citywide.	9
Pinal County #1 +	\$223,473	\$13,508	\$236,981	16	\$5,282		✓			✓	San Tan Area: Thompson Rd. to Quali Run Ln., Bella Vista Rd. to Germann Rd.	4
Buckeye +	\$222,863	\$13,471	\$236,334	13	\$6,489			✓			Rooks Rd. to 196 <sup>th</sup> Ave., Indian School Rd. to Belmont Rd.	4
Maricopa #1 +	\$238,687	\$14,428	\$253,115	10	\$9,243			✓			Citywide.	4
Maricopa #2 +	\$238,687	\$14,428	\$253,115	10	\$9,243			✓			Citywide.	4
Chandler #2 +	\$236,822	\$14,315	\$251,137	8	\$11,904			✓			Dobson Rd. south of Queen Creek Rd. jogging south east to McQueen Rd. and Hunt Hwy., then east to Val Vista Rd., then north along city boundary to Gilbert Rd. and Queen Creek Rd.	10
Scottsdale	\$201,444	\$12,176	\$213,620	5	\$15,194			✓			Bell Rd. to Doubletree Ranch Rd., and Loop 101 Fwy. to 144 <sup>th</sup> St.	7
Chandler #1 +	\$236,822	\$14,315	\$251,137	5	\$17,558			✓			Price Rd. south of Western Canal to Chandler Blvd., then east to Gilbert Rd., then north along city boundary back to Western Canal between Arizona Ave. and McQueen Rd.	10



— Major Streets  
□ City Limits

#	PM-10 Monitor Addresses
17	4530 N 17th Ave
1	3847 W Earl Dr
7	1128 N 27th Ave
5	1645 E Roosevelt St
15	2702 RC Ester Brook Blvd
11	3940 W Broadway Rd
8	33 W Tamarisk Ave

