

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

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	<u>TKennedy@azmag.gov</u>
Dean Giles	602-254-6300	<u>DGiles@azmag.gov</u>
Stephen Tate	602-452-5010	<u>State@azmag.gov</u>

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

PART A - CONTACT INFORMATION

Contact Information

1. Agency Name (Please select one)	Apache Junction
2. Name:	Shane Kiesow
3. Phone:	480 474-8516
4. E-Mail:	skiesow@ajcity.net
5. Mailing Address:	575 East Baseline Ave
	Apache Junction, AZ 85119

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.	Price summary attached. City is not requesting any "optional equipment" beyond what comes standard with the unit. Quote is for a Global M4HSD (a.k.a. Johnston 4000) with standard specifications for a high-side dump.		
7. Funding Information	Amount		
(a) Total Cost of Sweeper	\$286,995		
(b) Total Cost Eligible for Reimbursement (See the Attachment 1 for Rule 1186 List of Eligible Sweepers)	\$286,995		
(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)	\$0		
8. Reimbursement Information	Amount	Funding Type	Share of Eligible Cost (See #7)
(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%	\$270,636	CMAQ	94.3%
(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%	\$16,359	Local	5.70%
9. Project Funding Based on Information from #7 & #8	Federal Share = 8a	Local Share = 7c + 8b	Total Cost of Sweeper
	\$270,636	\$16,359	\$286,995

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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):

- (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:

Arterial Street	Collector Street	Residential Street	Other
7	30	30	14
12	22	98	44
4,191	1,436	110	7,148
Every 7 days Apache Trail - major arterial - is swept (12 lane miles) and 14 days for all other arterials (44 lane miles).			

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:

Arterial Street	Collector Street	Residential Street	Other

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:

Arterial Street	Collector Street	Residential Street	Other

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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
 (b) The month and year that the older certified sweeper was put into service (e.g. 4/2001)

4,883
Apr-04

Useful life standard: 12,000 hours

Exceeds Useful life standard: 8 years

(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.

34,344
45%

Useful life standard: 96,000 miles

Electrical, air valve, and hydraulic hose issues.

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.
[Link to MAG for PM-10 Map](#)

Yes, the monitor titled "Apache Junction fire" (#17 on map).

Part D - SUPPLEMENTAL INFORMATION:

16. Have local resources been committed for staff or equipment to support the PM-10 certified street sweeper? (Please select Yes or No)

No

If yes, please provide details (e.g., number, type and cost of employees, equipment, and maintenance).

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).

This sweeper is used as a backup sweeper and for cleanups after rainstorms to which the city experiences extreme sedimentation on the streets due to close proximity to the mountains. Sweeper will be used for all applicable areas within the corporate limits of the City of Apache Junction (@35 square miles).

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

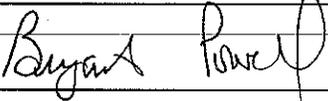
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20. Please indicate the total number of sweepers currently owned and operated by your agency for sweeping streets:

(a) PM-10 certified:	3
(b) Noncertified:	0

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: 

Bryant Powell

City Manager

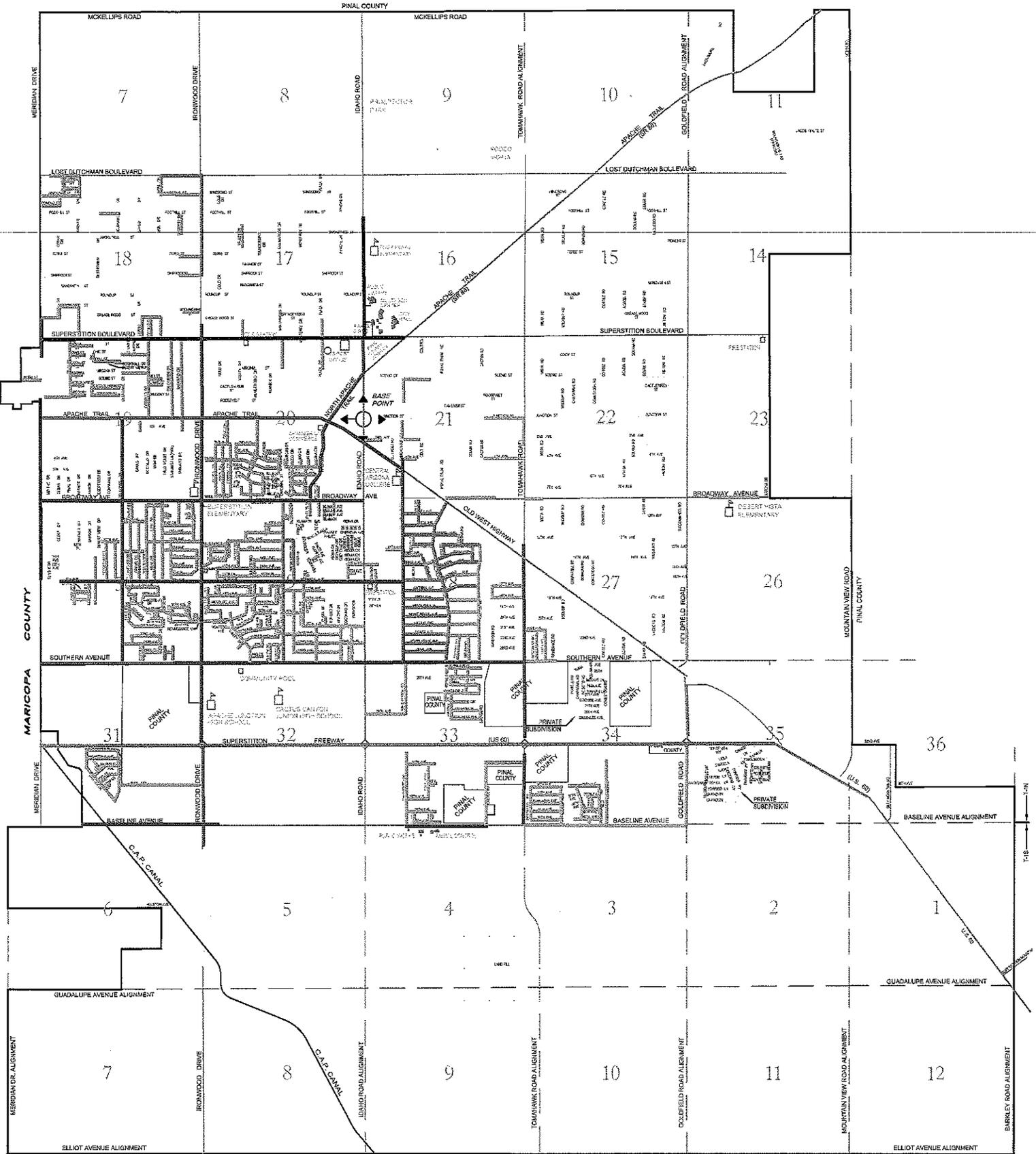
9/16/2015

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		
Part B - Fields 6-9 are complete		
Part C - Fields 10-15 are complete		
Part D - Fields 16-20 are complete		

Street Sweeping Map



LEGEND - Sweeping Frequency

- Weekly
- Monthly
- Bi-Monthly



AZ Wastewater Industries, Inc.

Phone: 800 778-9359

Fax: 480 425-3321

www.azwastewaterindustries.com

20 S. 48th Ave, Suite 802
Phoenix, AZ 85043

QUOTE

Quote No.	9660
Quote Date	9/14/2015
Sales Rep.	GLH
Payment Terms	Net 30 Days
F.O.B.	Destination
Prices Good For	90 Days

Customer:

City of Apache Junction
575 E. Baseline Ave
Apache Junction , AZ 85219
Attn: Brian Gleave

Item	Item Description	Qty	Unit Cost	Total
M4-HSD	Mechanical Sweeper with High Side Dump (per the attached specifications)	1	265,000.00	265,000.00T

Delivery: 90 days ARO

Thank you for the opportunity to quote this item for you.

Signature _____

Subtotal	\$265,000.00
Sales Tax (8.3%)	\$21,995.00
Total	\$286,995.00



AZ Wastewater Industries, Inc.
 20 S. 48th Ave, Suite 802
 Phoenix, AZ 85043
 602.778.9359 | 800.778.9359
 Fax: 480.425.3321
www.azwastewaterindustries.com

September 14, 2015
 specifications for quote #9660

CITY OF APACHE JUNCTION
MECHANICAL SWEEPER WITH HIGH SIDE DUMP SPECIFICATIONS

High Visibility Cab (Glass Entry Door Included)	Sealed Beam Headlights
69 dBA In-Cab Noise Level	4.5 cu yd (3.5 cu meter) Hopper (Volumetric)
Dust & Weather Sealed Cab	Hopper Dump Alarm
Multi-Adjustable Suspension Seat	47" (1194 mm) dia. Gutter Brooms
Tilt & Telescoping Steering Wheel	In-Cab Gutter Broom Pressure Adjustment
Tinted Safety Windows & Windshield	Tuf-Grip Disposable Gutter Broom Segments
Windshield Wiper/Washer	32" x 56.5" (813 mm x 1435 mm) Tube Pickup Broom
Ergonomic Go Pedal	58" (1473 mm) Wide Squeegee Type Elevator
Coolant Temp, Oil Pressure & Voltmeter Gauges	Two 18 gal (68 L) Hydraulic Oil Tanks
Coolant, Eng Oil Press. & Low Hyd Oil Warning Lts.	Hydraulic Manifolds in LH Fender
Speedometer, Tachometer & Hour Meter	18.5' (5.6 m) Turning Radius
Fuel Level Gauge	Front & Rear Suspension
130 amp Heavy-Duty Alternator	All Sheet Metal Surfaces Primer Powder Coated
280 gal (945 L) Polyethylene Water Tank	All Sheet Metal Surfaces Powder Coated
Gutter Broom Water Spray Jets	Standard Frame Paint Color Gray
Pickup Broom Water Spray Jets	Standard Hopper/Cab/Fenders Paint Color White
Low Water Level Light in Cab	Fender Mounted Tool Box
15' (4.6 m) Hydrant Hose with Coupling & Wrench	Front & Rear Tie Downs with Tow Hooks
Front Spray Bar	Left & Right Dual West Coast Mirrors
Engine Block Heater	Buddy Seat
Centauri Precleaner	PM10 High Quality PUB (Pick Up Broom)
Electrical Systems Locker	ERGO SWITCH STANDARD
Four Wheel Disk Brakes	REAR VIEW CAMERA STANDARD
ABS Brake System	11-FLIGHT Elevator System
Cab Controlled Leaf Gate System	1 Sweeper Service Manuals in English
LED Stop/Tail Lights, Clearance Lights	1 Sweeper Parts Manuals in English
LED Gutter Broom Spotlights	1 Sweeper Operator Manual in English
2015 Cummins Engine with 5 gal. DEF Tank	2 Year Elevator Sprocket Warranty
Bolt on Gutter Brooms	Dual Cutter Broom Tilt
AM/FM Radio w/ CD, Aux and USB Ports	Remote Heated Mirrors
Air Ride Seat	LED Arrowstick (Rear Mount)
11 Flight Elevator	Rear Camera and LCD Monitor
LED Stop, Turn & Clearance Lights	PM 10 Heavy Duty Pick Up Broom
Aux Power Plug	25' Fill Hose
In Cab Water Tank Gauge	Rear Amber Cab Strobe with Guard
Rear Strobe with Guard	Triangle Safety Kit with Fire Extinguisher