

PM-10 CERTIFIED STREET SWEEPER APPLICATION

CMAQ Funding Available for Federal Fiscal Year 2018

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 **\$1,755,209 in FY 2018 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 25, 2017 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 completed Excel spreadsheet application in MS Excel format (Please **do not send** a PDF or Fax instead of the spreadsheet)
- A PDF or FAXed copy of the Excel spreadsheet with the signature block in Part E signed and dated
- A PDF or FAXed copy of all required attachments

The printed copy of the application includes the following:

- A printout of the completed Excel spreadsheet application, with the signature block in Part E signed and dated
- 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
Monday, August 21, 2017	10:00 - Noon	Saguaro	Workshop on MAG Transportation Programming and Federal Fund Project Applications
Tuesday, September 12, 2017	10:00-11:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications
Tuesday, September 19, 2017	11:00 - Noon	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	TKennedy@azmaq.gov
Dean Giles	602-254-6300	DGiles@azmaq.gov
Stephen Tate	602-452-5010	State@azmaq.gov

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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)	Queen Creek
2. Name:	Janet Martin
3. Phone:	(480) 358-3821
4. E-Mail:	jan.martin@queencreek.org
5. Mailing Address:	Town of Queen Creek
	22358 S Ellsworth Road
	Queen Creek, AZ 85142

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.	Johnston RT855 (770 Cyclone has had a nomenclature model change) base price - \$123,000 Stainless steel hopper - \$7,000 NOT ELIGIBLE Gutter Broom Tilt Control - \$3,800 Hopper Screen Shaker - \$2,000 Rear Door Mounted CB Cleaner - \$8,000 High Pressure Power Scrub w/ Front Spray Bar - \$9,300 NOT ELIGIBLE Rear Vision Camera System - \$1,850 M2 Freightliner Chassis - \$102,000 Dust Separator - \$1,500 Cab Mounted Strobe - \$750 Gutter Broom Lateral Control - \$1,100 Peterbuilt Cabover Upgrade - \$23,000 Training - \$2,000 NOT ELIGIBLE FOB Freight - \$3,000 Privilege Tax - \$24,479 Total - \$310,779		
7. Funding Information	Amount		
(a) Total Cost of Sweeper	\$310,779		
(b) Total Cost Eligible for Reimbursement (See the Attachment 1 for Rule 1186 List of Eligible Sweepers)	\$292,479		
(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)	\$18,300		
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%	\$275,808	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%	\$16,671	Local	5.70%
9. Project Funding Based on Information from #7 & #8	Federal Share = 8a	Local Share = 7c + 8b	Total Cost of Sweeper
	\$275,808	\$34,971	\$310,779

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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:

	Arterial Street	Collector Street	Residential Street	Other
(a) Sweeping cycle length (measured in days between sweepings)	15	30		7
(b) Lane miles to be swept per cycle	127	44		17
(c) Average weekday traffic per lane being swept	4000	2500		6600
(d) If values were entered in the "Other" column, please specify what "Other" means:	Town Center, including major arterial roads.			

12. If "expand service area" was "yes" in question #10, please provide the following information for the roadway types in the table below:

	Arterial Street	Collector Street	Residential Street	Other
- Previously unswept lane miles to be swept by the new sweeper:				

If values were entered in the "Other" column, please specify what "Other" means:

13. If "increase sweeping frequency" was "yes" in question #10, please provide the following information for the roadway types in the table below:

	Arterial Street	Collector Street	Residential Street	Other
- Previous cycle length (measured in days between sweepings):				

If values were entered in the "Other" column, please specify what "Other" means:

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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

8,560

Useful life standard: 12,000 hours

Optional: Space for additional comments if needed.

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

May-07

Exceeds

Useful life standard: 8 years

Optional: Space for additional comments if needed.

(c) Number of miles (including deadhead miles) on the sweeper that is being replaced

32,465

Useful life standard: 96,000 miles

Optional: Space for additional comments if needed.

(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

91

(e) Please explain why the older sweeper was out of service.

The sweeper was out of service 11 out of the previous 12 months. The hopper is badly deteriorated, a problem that began in this unit early in its service life. It has been patched several times previously, but now will require a retrofit of a new hopper. The price of repair exceeds the marker value.

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](#)

Monitor 15

Part D - SUPPLEMENTAL INFORMATION:

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

Yes

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

The Streets division allocates several employees to the Sweeping program, equating to approximately 2.5 FTEs. The Fleet division employs 3 mechanics, and has sufficient budget to to maintain the Sweepers.

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 sweeper will sweep the arterial and collector routes townwide. The approximate limits are from Power Road to Meridian Road, and from Germann Road to Hunt Highway.

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:	4
(b) Noncertified:	

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: *Jan Martin*

Name: *Janet Martin*

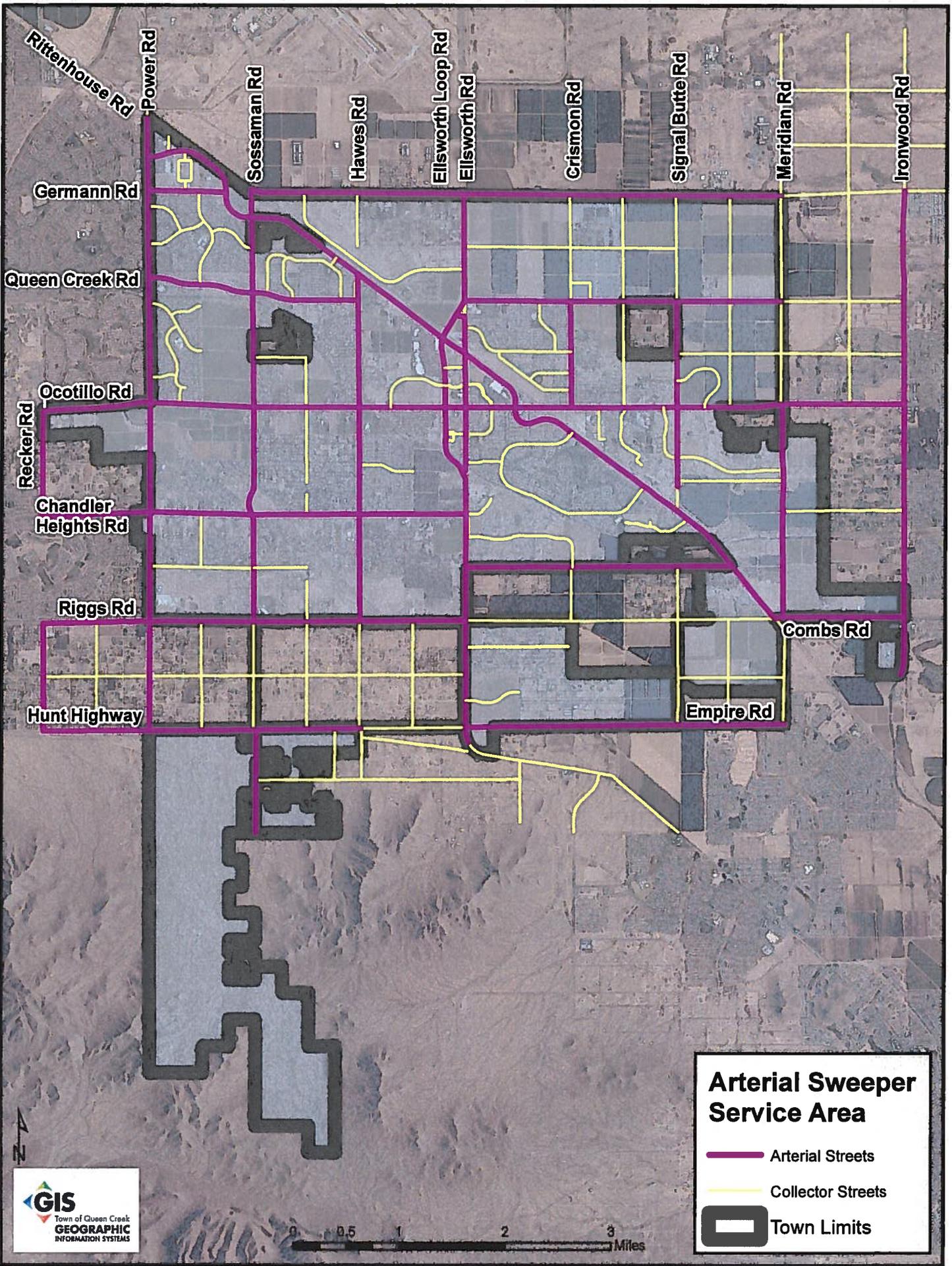
Title: *Streets Superintendent*

Date: *9/25/2017*

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



Arterial Sweeper Service Area

- Arterial Streets
- Collector Streets
- Town Limits



CONTRACT PRICING WORKSHEET
For Standard Equipment Purchases

Contract No.:

SW04-16

Date Prepared:

9/22/2017

*This Worksheet is prepared by Contractor and given to End User. If a PO is issued, both documents **MUST** be faxed to H-GAC @ 713-993-4548. Therefore please type or print legibly.*

Buying Agency:	Town of Queen Creek AZ	Contractor:	Johnston North America
Contact Person:	Tim Love	Prepared By:	Todd Parsons
Phone:	480-603-6466	Phone:	936-499-7689
Fax:		Fax:	607-844-4378
Email:	tim.love@queencreek.org	Email:	todd.parsons@johnstonnorthamerica.com

Product Code:	Description:	Johnston RT655 Regenerative Air Sweeper; dual Engine design
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A. Product Item Base Unit Price Per Contractor's H-GAC Contract: 123000

B. Published Options - Itemize below - Attach additional sheet if necessary - Include Option Code in description if applicable
(Note: Published Options are options which were submitted and priced in Contractor's bid.)

Description	Cost	Description	Cost
8.5 Cubic Yard Stainless Steel Hopper with Lifetime Warranty	7000		
In Cab Gutter Broom Tilt Control	3800		
Hopper Screen Vibrator/Shaker	2000		
Rear Door Mounted Hyd. CB Cleaner	6000		
High Pressure Power Scrub w/ Front Spray Bar	9300		
Rear Vision Camera System	1850		
M2 Freightliner Chassis	102000		
		Subtotal From Additional Sheet(s):	
		Subtotal B:	131950

C. Unpublished Options - Itemize below - Attach additional sheet if necessary
(Note: Unpublished options are items which were not submitted and priced in Contractor's bid.)

Description	Cost	Description	Cost
Stainless Steel Dust Separator	1500	2016 Freightliner M2	
Cab Mounted Strobe	750		
In Cab Gutter Broom Lateral Control	1100		
Peterbilt 220 2018 Cab-Over upgrade	23000		
		Subtotal From Additional Sheet(s):	
		Subtotal C:	26350

Check: Total cost of Unpublished Options (C) cannot exceed 25% of the total of the Base Unit Price plus Published Options (A+B). For this transaction the percentage is: 10%

D. Total Cost before any other applicable Charges, Trade-Ins, Allowances, Discounts, Etc. (A+B+C)

Quantity Ordered:	1	X Subtotal of A + B + C:	281300	=	Subtotal D:	281300
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E. Other Charges, Trade-Ins, Allowances, Discounts, Etc.

Description	Cost	Description	Cost
PDI/Johnston Factory Training	2,000		
FOB Freight - Arizona	3000		
		Subtotal E:	5000

Delivery Date: 60 days ARO **F. Total Purchase Price (D+E):** 286300