

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. 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
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@azmag.gov
Dean Giles	602-254-6300	DGiles@azmag.gov
Stephen Tate	602-452-5010	State@azmag.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)	Avondale
2. Name:	Shawn Kreuzwiesner, Assistant Public Works Director
3. Phone:	623-333-4400
4. E-Mail:	skreuzwiesner@avondaleaz.gov
5. Mailing Address:	City of Avondale- Public Works
	399 E. Lower Buckeye Road
	Avondale, AZ 85323

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 see attached proposal for an Elgin Broom Bear Street Sweeper dated 9/19/2017.		
7. Funding Information	Amount		
(a) Total Cost of Sweeper	\$274,617		
(b) Total Cost Eligible for Reimbursement (See the Attachment 1 for Rule 1186 List of Eligible Sweepers)	\$270,537		
(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)	\$4,080		
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%	\$255,116	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%	\$15,421	Local	5.70%
9. Project Funding Based on Information from #7 & #8	Federal Share = 8a	Local Share = 7c + 8b	Total Cost of Sweeper
	\$255,116	\$19,501	\$274,617

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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	No
(b) Expand service area	No
(c) Increase sweeping frequency	No
(d) Replace an older certified street sweeper	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	30	
(b) Lane miles to be swept per cycle	90	68	378	
(c) Average weekday traffic per lane being swept	3,873	1,500	150	
(d) If values were entered in the "Other" column, please specify what "Other" means:				

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

9,146
 Mar-09

Useful life standard: 12,000 hours

The unit being replaced was mainly used to sweep the older area of Avondale, located adjacent to our maintenance yard. Accordingly, it very little travel time without sweeping.

Useful life standard: 8 years

The unit being replaced has been in service for a total of 8 years and 6 months at the time of this application submittal.

(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

74,260
 25

Useful life standard: 96,000 miles

The unit being replaced was mainly used to sweep the older area of Avondale, located adjacent to our maintenance yard. Accordingly, it very little travel miles without sweeping.

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

Please see the attached maintenance reports for Sweeper # 1803. Maintenance and repair costs for this sweeper have \$28,146 for the most recent Fiscal years (July 1, 2016 to June 30, 2017). In total, the city has spent a total of \$286,200 in maintenance and repair costs on this unit.

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](#)

No

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 has seven (7) equipment operators (burdened rate of \$39.78 per hour) who rotate operating Avondale's Street Sweepers. We typically operate one (1) sweeper daily for the first three weeks of the month. On the fourth week, we operate two (2) sweepers to complete the assigned routes. The city currently has a fleet of three (3) street sweepers. In the most recent full Fiscal Year, Avondale spent \$28,146 in maintenance costs on the sweeper to be replaced (unit 1803). Since its original purchase, a total of \$286,200 has been spent maintaining the sweeper, which has exceeded the original purchase price of \$192,671 in March 2009.

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).

Indian School road south to Indian Springs Road
 99th Avenue west to Dysart Road.

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:

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.

Name: Shawn Kreuzwiesner

Title: City of Avondale, Assistant Public Works Director

Date: 09/28/2017

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	

DATE: 09/25/2017

1803
CITY OF AVONDALE FIELD OPERATIONS

ID: 3-412/ROV

PAGE: 1

Time: 07:57 a.m.

WO SUMMARY TRANS by Vehicle

DATES : 07/01/2016 thru 06/30/2017 Shop: All

Vehicle	Labor				Parts			Tires			Total
	Hours	Cost	Outside	Warranty	Cost	Outside	Warranty	Cost	Outside	Warranty	
00001-1803	132.7	14958.65	31.00	0.00	12618.64	0.00	0.00	537.49	0.00	0.00	28145.78
GRAND Totals	132.7	14958.65	31.00	0.00	12618.64	0.00	0.00	537.49	0.00	0.00	28145.78

*** End of Report ***

DATE: 09/25/2017

1803-total
CITY OF AVONDALE FIELD OPERATIONS

ID: 3-412/ROV

PAGE: 1

Time: 08:01 a.m.

WO SUMMARY TRANS by Vehicle

DATES : 03/01/2009 thru LAST Shop: All

Vehicle	Labor				Parts			Tires			Total
	Hours	Cost	Outside	Warranty	Cost	Outside	Warranty	Cost	Outside	Warranty	
00001-1803	911.3	93773.34	2833.75	0.00	173855.49	0.00	0.00	15737.47	0.00	0.00	286200.05
GRAND Totals	911.3	93773.34	2833.75	0.00	173855.49	0.00	0.00	15737.47	0.00	0.00	286200.05

*** End of Report ***



Presents a Proposal Summary



Broom Bear

Broom Bear Single Engine Street Sweeper with Dual Side Brooms

Avondale

399 E. lower Buckeye

Avondale, Arizona 85323

PRODUCT DESCRIPTION

- Conveyor squeegee, variable height, right side dumping, 4.5 cubic yard hopper, with dual, hydraulically driven, trailing arm side brooms, sweeper is powder coated from powder coatings chart 2003/N with powder coated gray undercarriage.

STANDARD FEATURES

- Broom side, 46" steel vertical digger 4 or 5 segment
- Broom side, air floating suspension with adjustable reach, air deploy
- Broom, main, 34" diameter, 60" wide prefab disposable
- Broom Measurement Ruler
- Camera, Rear with in-cab monitor
- Conveyor chain, hardened with polyurethane sprockets
- Conveyor, 11 flight squeegee with rubber edging
- Conveyor, lift independent from main broom
- Conveyor, three piece replaceable wear plates
- Conveyor flush out system
- Conveyor raise in reverse
- Conveyor stall alarm
- Dirt shoes, heavy duty single row carbide steel (rubber isolated)
- Electric backup alarm
- Hopper inspection door
- Hopper, 4.5 cu yd with window and skylight
- Hopper up indicator and beep
- Hopper, variable high dump; 9' 6", 4.5 yard
- Hose, hydrant fill, 16' 8" with coupling
- Hydraulic oil level gauge w/ external thermometer and in-cab level light
- Hydraulic system, load sensing with selectable transmission driven PTO pump
- Lights, automatic backup
- Lights, combination tail/stop, separate amber signal
- Lights, flood light, one per broom (3)
- Manuals, operator and parts
- Rear broom cover and anti-carryover wrap
- Rear broom spray bar
- Rear right hand flood light
- Reflectors, set of 6
- Sidebroom speed control, external to cab
- Sweep resume/raise in reverse
- Tactile controls for all sweep functions
- Tool storage
- Water fill, anti-siphon
- Water level indicator in-cab
- Water Pump, electric diaphragm
- Water tank, molded polyethylene, 360 gallon total nominal capacity
- 1 Year Parts and Labor Warranty
- Sweeper Painted Standard White
- Red Logo

ADDITIONAL FEATURES

- 2018 IH Dual Steer
- AM/FM/CD Radio
- Left Hand Fender Mounted Mirror
- National Air Ride Seat-Passenger Side - Cloth
- PM-10 Complaint
- PM10 Compliant Oil Tempered Steel Bristles
- Carbide Double Row Rubber Mounted Dirt Shoes
- Hydraulic Oil Temperature Display
- Slow Moving Vehicle Sign.
- LED Arrow stick

Factory Total:

Total \$252,871.00

State & local Sales TAX \$21,746.00

Total W/ Tax \$274,617.00

Price valid thru 2-1-2018

Product Model: BROOMBEAR

Product Model: BROOMBEAR

Proposal Date: 9/19-2017

Quote Number: 2017-17086

Price List Date: 9-16-2017

P.O. Number:

Payment Terms:

Proposal Notes:

1. Multiple unit orders will be identical to signed proposal. Changes or deviations to any unit of a multiple unit order will require a new signed proposal.
2. Chassis specifications and data codes for customer supplied chassis must be submitted to and approved by Elgin Sweeper Company prior to submittal of customer purchase order
3. All prices quoted are in US Dollars unless otherwise noted.

SIGNED BY:

_____ Date: _____

LIMITED WARRANTY

ELGIN SWEEPER COMPANY warrants each new machine manufactured by it against defects in material and workmanship provided the machine is used in a normal and reasonable manner. This warranty is extended only to the original user-purchaser for a period of twelve (12) months from the date of delivery to the original user-purchaser.

ELGIN SWEEPER COMPANY will cause to be repaired or replaced, as the Company, may elect, any part or part of such machine which the Company's examination discloses to be defective in material or workmanship.

Repairs or replacements are to be made at the selling Elgin distributor's location or at other locations approved by ELGIN SWEEPER COMPANY.

The ELGIN SWEEPER COMPANY warranty shall not apply to:

1. Major components or trade accessories such as but not limited to, trucks, engines, tires or batteries that have a separate warranty by the original manufacturer.
2. Normal adjustments and maintenance services.
3. Normal wear parts such as but not limited to, broom filters, broom wire, shoe runners and rubber deflectors.
4. Failures resulting from the machine being operated in a manner or for a purpose not recommended by ELGIN SWEEPER COMPANY.
5. Repairs, modifications or alterations without the consent of ELGIN SWEEPER COMPANY which, in the Company's sole judgment, have adversely affected the machine's stability or reliability.
6. Items subjected to misuse, negligence, accident or improper maintenance.

The use in the product of any part other than parts approved by ELGIN SWEEPER COMPANY may invalidate this warranty. ELGIN SWEEPER COMPANY reserves the right to determine, in its sole discretion, if the use of non-approved parts operates to invalidate the warranty.

Nothing contained in this warranty shall make ELGIN SWEEPER COMPANY liable for loss, injury, or damage of any kind to any person or entity resulting from any defect or failure in the machine.

TO THE EXTENT LIMITED BY LAW, THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

This warranty is also in lieu of all other obligations or liabilities on the part of ELGIN SWEEPER COMPANY, including but not limited to, liability for incidental and consequential damages on the part of the Company or the seller.

ELGIN SWEEPER COMPANY makes no representation that the machine has the capacity to perform any functions other than as contained in the Company's written literature, catalogs or specifications accompanying delivery of the machine.

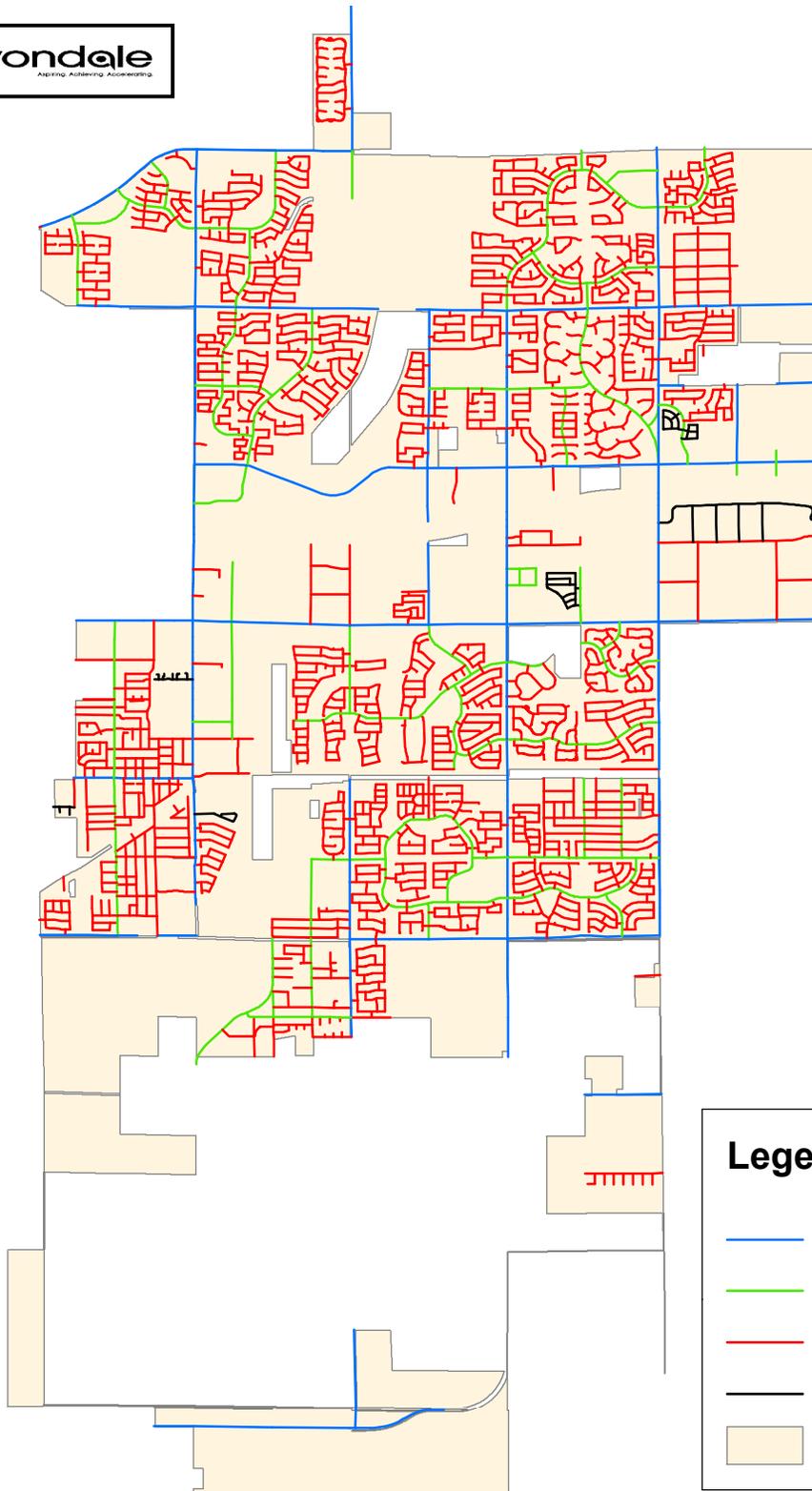
No person or affiliated company representative is authorized to give any other warranties or to assume any other liability on behalf of ELGIN SWEEPEAR COMPANY in connection with the sale, servicing or repair of any machine manufactured by the Company.

ELGIN SWEEPER COMPANY reserves the right to make design changes or improvements in tis products without imposing any obligation upon itself to change or improve previously manufactured products.

ATTACHMENT 2	
EXAMPLES OF ADDITIONAL STREET SWEEPER EQUIPMENT NOT ELIGIBLE FOR REIMBURSEMENT (Revised May 19, 2017)	
1. Automatic lubrication system (Autolube, grease jockey system)	N/A
2. Hopper access step	N/A
3. Hydrant hopper wash down system	N/A
4. Conveyer flush kit with hydrant	N/A
5. 1000 pounds per square inch (PSI) wand	N/A
6. Dual HiBack air-suspended seats	\$1,045.00
7. Hand hose	N/A
8. Hopper sound suppression	N/A
9. Right hand steer chassis upcharge	\$2,135.00
10. Air horn (reimbursable when conventional electric horn is not included)	N/A
11. AM/FM radio; CD	\$900.00
12. Training	N/A
13. Magnet bar	N/A
14. Stainless steel hopper	N/A
15. Sweeper, truck and wheel yellow paint	N/A
16. Additional roof-mounted air conditioner	N/A
17. Holder rear mount for five-gallon pail	N/A
18. Cigarette lighter with 12v	N/A
19. Foam filled tire	N/A
20. Window tinting	N/A
21. Move exhaust port to left side of vehicle	N/A
22. John Deere auxiliary engine - Tier iT4	N/A
Total	\$4,080.00



Streets Maintained by City of Avondale



STREET CLASS	SEGMENT COUNT	LENGTH (MILES)
ARTERIAL	268	45
COLLECTOR	387	34
LOCAL	2678	189
PRIVATE DRIVE	69	6

Legend

- ARTERIAL
- COLLECTOR
- LOCAL
- PRIVATE DRIVE
- ANNEXATION AREAS

