City of Phoenix Congestion Mitigation Air Quality (CMAQ)
PM10-Street Sweeper Application – FY 2015

September 30, 2014
PM-10 CERTIFIED STREET SWEEPER APPLICATION
CMAQ Funding Available for Federal Fiscal Year 2015

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 $1,404,238 in FY 2015 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, and Attachment 2 - list of example equipment not eligible for CMAQ reimbursement. Alternative application forms are available upon request.

Deadlines and Transmittal Instructions:
The due date and time for project applications to be submitted to MAG is Tuesday, September 30, 2014, by 10:00 a.m.

Member agencies are to:

1) Transmit the application and all attachments electronically, and
   To transmit the application electronically, please save the excel file, and then send the application and all attachments to Teri Kennedy, Transportation Programming Manager. Please send graphic attachments in PDF form. Click cell below to send e-mail.
   mailto: tkennedy@azmag.gov

2) Submit two printed, signed, and complete applications to MAG.
   To submit two printed, signed, and complete applications to MAG, the applicant can mail at MAG offices by Tuesday, September 30, 2014, by 10:00 a.m., or drop off application to:
   Maricopa Association of Governments
   ATTN: Teri Kennedy,
   302 N. 1st Avenue, Suite #300,
   Phoenix, AZ 85003
   Or, the applicant can scan a printed and signed application and transmit it via e-mail or fax to tkennedy@azmag.gov or 602.254.6490 by Tuesday, September 30, 2014, by 10:00 a.m. If the applicant is transmitting a scanned, printed, and signed application via e-mail or fax, the applicant will mail or drop off the original printed application by Tuesday, September 30, 2014, by 10:00 a.m.

Application Workshops and Open Working Group Meeting Schedule*

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday, September 9th, 2014 from 10:00-11:00 AM</td>
<td>PM-10 Street Sweeper Pre-Application Workshop, Overview and Assistance meeting</td>
</tr>
<tr>
<td>Tuesday, September 23rd, 2014 from 3:00-4:00 PM</td>
<td>Open Working Group, FY2015 Application Assistance for PM-10 Street Sweeper Applications</td>
</tr>
</tbody>
</table>

* All meetings will be held in the Chaparral Room on the 2nd Floor of the MAG Offices at 302 North 1st Ave, Phoenix, Arizona 85003

If member agencies need additional information or have questions, they should contact Dean Giles, Teri Kennedy, or Stephen Tate at (602) 254-6300; or contact them by e-mail at the following addresses:

mailto: dgiles@azmag.gov
mailto: tkennedy@azmag.gov
mailto: cstate@azmag.gov
# PM-10 CERTIFIED STREET SWEeper APPLICATION

CMAQ Funding Available for Federal Fiscal Year 2015

**All information is required.**

## PART A - CONTACT INFORMATION

<table>
<thead>
<tr>
<th>Contact Information</th>
<th>Phoenix</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Agency Name (Please select one)</strong></td>
<td>Roger Fyffe or Leticia Vargas, P.E.</td>
</tr>
<tr>
<td><strong>2. Name:</strong></td>
<td>602-256-3139 or 602-261-8076</td>
</tr>
<tr>
<td><strong>3. Phone:</strong></td>
<td><a href="mailto:roger.fyffe@phoenix.gov">roger.fyffe@phoenix.gov</a> or <a href="mailto:leticia.vargas@phoenix.gov">leticia.vargas@phoenix.gov</a></td>
</tr>
<tr>
<td><strong>4. E-Mail:</strong></td>
<td>200 W Washington St.5th Flcor Phx. Az 85003-1611</td>
</tr>
<tr>
<td><strong>5. Mailing Address:</strong></td>
<td></td>
</tr>
</tbody>
</table>

## 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. See Attachment Price Summary, Vendor Quote.

<table>
<thead>
<tr>
<th>7. Funding Information</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Total Cost of Sweeper</td>
<td>$252,114</td>
</tr>
<tr>
<td>(b) Total Cost Eligible for Reimbursement (See the PDF file Rule 1186 Sweeper included in the e-mail transmittal)</td>
<td>$234,291</td>
</tr>
<tr>
<td>(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.)</td>
<td>$17,823</td>
</tr>
</tbody>
</table>

8. Reimbursement Information

<table>
<thead>
<tr>
<th>Amount</th>
<th>Funding Type</th>
<th>Share of Eligible Cost (See #7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>$220,936</td>
<td>CMAQ</td>
<td>94.3%</td>
</tr>
</tbody>
</table>

(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%

<table>
<thead>
<tr>
<th>Federal Share = 8a</th>
<th>Local Share = 7c + 8b</th>
<th>Total Cost of Sweeper</th>
</tr>
</thead>
<tbody>
<tr>
<td>$220,936</td>
<td>$31,178</td>
<td>$252,114</td>
</tr>
</tbody>
</table>

Maricopa Association of GovernmentsReceived

SEP 29 2014

2015 SS Application Form 2 of 4
### PM-10 CERTIFIED STREET SWEEPER APPLICATION
CMAQ Funding Available for Federal Fiscal Year 2015

**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

<table>
<thead>
<tr>
<th>Arterial Street</th>
<th>Collector Street</th>
<th>Residential Street</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>14</td>
<td>90</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>20</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>8800</td>
<td>5000</td>
<td>600</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Arterial Street</th>
<th>Collector Street</th>
<th>Residential Street</th>
<th>Other</th>
</tr>
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<tbody>
<tr>
<td>14</td>
<td>14</td>
<td>90</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>20</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>8800</td>
<td>5000</td>
<td>600</td>
<td></td>
</tr>
</tbody>
</table>

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:

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:

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)
   (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.

<table>
<thead>
<tr>
<th>Arterial Street</th>
<th>Collector Street</th>
<th>Residential Street</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>3671</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oct, 2001</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>147,642</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   Useful life standard: 12,000 hours
   Useful life standard: 8 years
   Exceeds Useful life standard: 96,000 miles

   The vehicle has high milage and is often in need of parts and repair, often unreliable to perform daily routine sweeping.

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 webpage for PM-10 Map

   Yes, The sweeper to be replaced is part of our fleet that sweeps in our Southwest sweeping area. (see attached map) It is within four miles of PM-10 monitors #5,#8,#11,#15,#16
### 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:

   (a) Sweeping cycle length (measured in days between
       sweepings)  
       | Arterial Street | Collector Street | Residential Street | Other |
       |-----------------|------------------|--------------------|------|
       | 14              | 14               | 90                 |      |

   (b) Lane miles to be swept per cycle  
       | 290 | 80 | 180 |

   (c) Average weekday traffic per lane being swept  
       | 8800 | 5000 | 500 |

   (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:

   - 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:

   - Previous cycle length (measured in days between sweepings):

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

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 3671  
       Useful life standard: 12,000 hours

   (b) The month and year that the older certified sweeper was put into service (e.g. 4/2001)  
       Oct, 2001  
       Useful life standard: 8 years

   (c) Number of miles (including deadhead miles) on the sweeper that is being replaced 147,642  
       Exceeds Useful life standard: 96,000 miles

   (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 59%  

   (e) Please explain why the older sweeper was out of service. The vehicle has high mileage and is often in need of parts and repair, often unreliable to perform daily routine sweeping.

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.

   Yes, The sweeper to be replaced is part of our fleet that sweeps in our Southwest sweeping area. (see attached map) It is within four miles of PM-10 monitors #5,#8,#11,#15,#16

   Link to MAG webpage for PM-10 Map
# PM-10 CERTIFIED STREET SWEEPER APPLICATION
## CMAQ Funding Available for Federal Fiscal Year 2015

### 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)
   - Yes
   - The City has set aside $27,921 in the 2015 budget year for sweeper purchase. This amount includes 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 is bound by 107th Ave to 16th St, Camelback Rd. to Dobbins Rd.

18. Provide a map of the area to be swept by the proposed sweeper.
   - See attached map.

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: 34
   - (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:**

**Name:** Raimundo Dovalina, Jr PE

**Title:** Acting Street Transportation Director

**Date:** September 30, 2014

### 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 10-14 are complete: Yes
- Part D - Fields 15-20 are complete: Yes
# Quotation

**FOR:** City of Phoenix  
MAG Broom Bear Quote  

**ATTN:** Roger Fyffe  
Fax roger.fyffe@phoenix.gov

## Quotation Details

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>Description</th>
<th>T</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Each</td>
<td>Elgin Broom Bear Street Sweeper</td>
<td></td>
<td>214,069.00</td>
<td></td>
</tr>
</tbody>
</table>

### Optional Items

- **2 Each Air Ride Seats**: 1,588.00
- **Slow Moving Vehicle Emblem**: 84.00
- **Main Broom Odometer**: 320.00
- **25' Water Hose**: 330.00
- **RH Gutter Broom Tilt**: 1,090.00
- **LH Gutter Broom Tilt**: 1,090.00
- **Hopper Mounted Strobe With Guard**: 830.00
- **PM10 Compliant**: 2,710.00
- **Auto Lube Sweeper/Chassis**: 6,375.00
- **Master Battery Shutoff**: 700.00
- **LH Fender Mirror**: 200
- **AM/FM Stereo**: 250
- **Safety Check Bolts**: 92
- **2 Spare Tires/Wheels**: 1600
- **James King Reflector Kit**: 224
- **5LB. Fire Extinguisher**: 30
- **Brigade Electronic Back Up Alarm**: 310

**Quote Good Through June 2015**

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**SUBTOTAL**: $232,792.00  
**TAX RATE**: 8.3%  
**SALES TAX**: $19,321.74  
**OTHER**:  
**TOTAL**: $252,113.74

If you have any questions concerning this quotation contact Name, Phone Number, Email  
THANK YOU FOR YOUR BUSINESS!