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*

| Tuesday, September 9th, 2014 from 10:00-11:00 AM | PM-10 Street Sweeper Pre-Application Workshop, Overview and Assistance meeting |
| Tuesday, September 23rd, 2014 from 3:00-4:00 PM | Open Working Group, FY2015 Application Assistance for PM-10 Street Sweeper Applications |

* 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:state@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>1. Agency Name (Please select one)</td>
<td>Roger Fyffe or Leticia Vargas, P.E.</td>
</tr>
<tr>
<td>2. Name:</td>
<td></td>
</tr>
<tr>
<td>3. Phone:</td>
<td>602-256-3139 or 602-261-8076</td>
</tr>
<tr>
<td>4. E-Mail:</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>5. Mailing Address:</td>
<td>200 W Washington St, 5th floor Phx. Az 85003-1611</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.

7. **Funding Information**

   (a) **Total Cost of Sweeper**
   
   **Amount**
   
   $252,114

   (b) **Total Cost Eligible for Reimbursement (See the PDF file Rule 1186 Sweeping included in the e-mail transmittal)**
   
   **Amount**
   
   $234,291

   (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)**
   
   **Amount**
   
   $17,823

8. **Reimbursement Information**

   (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%**
   
   **Amount**
   
   $220,936
   
   **Funding Type**
   
   CMAQ
   
   **Share of Eligible Cost (See #7)**
   
   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%**
   
   **Amount**
   
   $13,355
   
   **Funding Type**
   
   Local
   
   **Share of Eligible Cost (See #7)**
   
   5.70%

9. **Project Funding Based on Information from #7 & #8**

   **Federal Share = 8a**
   
   $220,936

   **Local Share = 7c + 8b**
   
   $31,178

   **Total Cost of Sweeper**
   
   $252,114

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**Maricopa Association of Governments Received**

SEP 29 2014

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2015 SS Application Form
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></th>
<th>Arterial Street</th>
<th>Collector Street</th>
<th>Residential Street</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace a noncertified street sweeper</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>Expand service area</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td></td>
</tr>
<tr>
<td>Increase sweeping frequency</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td></td>
</tr>
<tr>
<td>Replace an older certified street sweeper</td>
<td>yes</td>
<td>#633910</td>
<td></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>Roadway Type</th>
<th>Arterial Street</th>
<th>Collector Street</th>
<th>Residential Street</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sweeping cycle length</td>
<td>14</td>
<td>14</td>
<td>90</td>
<td></td>
</tr>
<tr>
<td>Lane miles to be swept per cycle</td>
<td>35</td>
<td>20</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Average weekday traffic per lane being swept</td>
<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:

<table>
<thead>
<tr>
<th>Roadway Type</th>
<th>Arterial Street</th>
<th>Collector Street</th>
<th>Residential Street</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previously unswept lane miles to be swept by the new sweeper</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>If values were entered in the &quot;Other&quot; column, please specify what &quot;Other&quot; means:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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):

<table>
<thead>
<tr>
<th>Roadway Type</th>
<th>Arterial Street</th>
<th>Collector Street</th>
<th>Residential Street</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previous cycle length</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>If values were entered in the &quot;Other&quot; column, please specify what &quot;Other&quot; means:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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></th>
<th>5505 hours</th>
<th>Exceeds Useful life standard: 12,000 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Aug-06</td>
<td>Exceeds Useful life standard: 8 years</td>
</tr>
<tr>
<td></td>
<td>42,800</td>
<td>Useful life standard: 96,000 miles</td>
</tr>
<tr>
<td></td>
<td>26%</td>
<td>Sweeper maintenance cost are high due to age of unit. The sweeper is often in need of parts and seems to rot work well regularly.</td>
</tr>
</tbody>
</table>

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
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: 14, Collector: 14, Residential: 90, Other: 8800
   (b) Lane miles to be swept per cycle
      - Arterial: 290, Collector: 80, Residential: 180
   (c) Average weekday traffic per lane being swept
      - Arterial: 5000

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:

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):

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
      - 5505 hours
      - Exceeds Useful life standard: 12,000 hours
   (b) The month and year that the older certified sweeper was put into service (e.g. 4/2001)
      - Aug-06
      - Exceeds Useful life standard: 8 years
      - Useful life standard: 96,000 miles
   (c) Number of miles (including deadhead miles) on the sweeper that is being replaced
      - 42,800
   (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
      - 26%
   (e) Please explain why the older sweeper was out of service
      - Sweeper maintenance cost are high due to age of unit. The sweeper is often in need of parts and seems to not work well regularly.

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
# PHX-SWEEP-02

Copy of #633910 FY2015-Street-Sweeper-Applications-Final.xls

## 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 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 is bound by 107th Ave to 16th St, Camelback Rd. to Dobkins 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: [Signature]

Name: Ramundo 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  
**ATTN:** Roger Fyffe  
**Fax:** roger.fyffe@phoenix.gov  
**DATE:** 09/16/2014  
**QUOTATION #:** 2072 Revised

**NORWOOD EQUIPMENT INC.**  
2422 S. 19th Ave  
Phoenix, AZ 85009  
Phone 602-254-0844  
Fax 602-253-0164

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

*Quote Good Through June 2015*

**If you have any questions concerning this quotation contact Name, Phone Number, Email**

**THANK YOU FOR YOUR BUSINESS!**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SUBTOTAL</td>
<td>$ 232,792.00</td>
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<tr>
<td>TAX RATE</td>
<td>8.3%</td>
</tr>
<tr>
<td>SALES TAX</td>
<td>19,321.74</td>
</tr>
<tr>
<td>OTHER</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>$ 252,113.74</td>
</tr>
</tbody>
</table>