City of Phoenix Congestion Mitigation Air Quality (CMAQ)
PM10-Street Sweeper Application – FY 2014

November 22, 2013
#533713 Street Sweeper Application FY2014.xls

**PM-1D CERTIFIED STREET SWEEPER APPLICATION**
**GMAQ Funding Available for Federal Fiscal Year 2014**

**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. Available funding region wide is estimated at $900,000 in FY 2014 CMAQ.

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 the Transmittal Instructions and the Schedule, 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:**
Two copies of a printed, complete and signed application must be received in the MAG offices by 10:00 a.m. Friday, November 22, 2013. The application is also to be submitted electronically. Detailed transmittal instructions are located in the excel tab - Transmittal Inst. and Schedule.

If member agencies need additional information or have questions, they should contact Dean Giles, Teri Kennedy, or Stephen Tate at mailto:djiles@azmag.gov
mailto:tkennedy@azmag.gov
mailto:state@azmag.gov

## All information is required.

### PART A - CONTACT INFORMATION

**Contact Information**

1. **Agency Name (Please select one)**
   - Phoenix

2. **Name:**
   - Roger Fyffe or Leitia Vargas, PE

3. **Phone:**
   - 602-256-3139 or 602-231-8076

4. **E-Mail:**
   - roger.fyffe@phoenix.gov or leitia.vargas@phoenix.gov

5. **Mailing Address:**
   - 200 W Washington St. 5th floor Phx. Az. 85003-1811

### 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 Quot.

7. **Funding Information**
   
<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$282,114</td>
</tr>
</tbody>
</table>

   **(b) Total Cost Eligible for Reimbursement** (See the PDF file Rule 1186 Sweepers included in the e-mail transmittal)

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$237,744</td>
</tr>
</tbody>
</table>

   **(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)

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$14,370</td>
</tr>
</tbody>
</table>

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%

<table>
<thead>
<tr>
<th>Amount</th>
<th>Funding Type</th>
<th>Share of Eligible Cost (See #7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>$224,193</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>Amount</th>
<th>Funding Type</th>
<th>Share of Eligible Cost (See #7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>$13,561</td>
<td>Local</td>
<td>5.70%</td>
</tr>
</tbody>
</table>
**PM-10 CERTIFIED STREET SWEEPER APPLICATION**

**CMAQ Funding Available for Federal Fiscal Year 2014**

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mailto:tkennedy@azmag.gov  
mailto:state@azmag.gov

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<table>
<thead>
<tr>
<th>9. Project Funding Based on Information from #7 &amp; #8</th>
<th>Federal Share = 85% + 85%</th>
<th>Total Cost of Sweeper</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$224,193</td>
<td>$27,921</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$252,114</td>
</tr>
</tbody>
</table>

**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):

- Replace a noncertified street sweeper: No
- Expand service area: No
- Increase sweeping frequency: No
- Replace an older certified street sweeper (The older certified sweeper being replaced should be at least 8 years old): Yes, #533713

11. For the requested sweeper, please provide the information for roadway types in the table below for:

- Sweeping cycle length (measured in days between sweepings):
  - Arterial Street: 14
  - Collector Street: 14
  - Residential Street: 90
  - Other: 0
- Lane miles to be swept per cycle:
  - Arterial Street: 32
  - Collector Street: 25
  - Residential Street: 20
  - Other: 0
- Average weekday traffic per lane being swept:
  - Arterial Street: 8800
  - Collector Street: 5000
  - Residential Street: 500
  - Other: 0

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:
  - Arterial Street: 0
  - Collector Street: 0
  - Residential Street: 0
  - Other: 0

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:

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

14. If "Replace older sweeper" was "Yes" in question #10, please provide the following information for the roadway types in the table below:

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

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2014 SS Application Form  2 of 4
PM-10 CERTIFIED STREET SWEEPER APPLICATION
CMAQ Funding Available for Federal Fiscal Year 2014

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All information is required.

14. If "replace an older PM-10 certified street sweeper" was "yes" in question #10, please provide information in the following (a) Number of hours in service of the sweeper that is being replaced 504 (b) The month and year that the older certified sweeper was put into service (e.g. 4/2001) Jan-06 (c) An estimate of the percent of time the older sweeper was out of service in the past year due to repairs and maintenance issues 63 40% (d) Please explain why the older sweeper was out of service. Parts are often unavailable, vendor no longer manufactures parts.

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 a fleet that sweeps in our Southwest sweeping area. (see attached map) It is within four miles of PM-10 monitors 2, 5, 7, 11, 15, 16 & 17.

Link to MAG webpage for PM-10 Map.

Part D - Supplemental Information:

16. Have local resources been committed for additional 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 2014 budget year for sweeper purchase. This amount covers the 5.7% local matching funds and items not eligible for Federal reimbursements.

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.). The area within the City of Phoenix bounded by 111th Ave to 1st Ave, W Bethany Home Rd. to W Pecos Rd. (See attached map)

18. Provide a map of the area to be swept by the proposed sweeper. See map attachment
# PM-10 CERTIFIED STREET SWEEPER APPLICATION

## CMAQ Funding Available for Federal Fiscal Year 2014

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mailto:state@azmag.gov

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### All information is required.

<table>
<thead>
<tr>
<th>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)</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>20. Please indicate the total number of sweepers currently owned and operated by your agency for sweeping streets:</td>
<td></td>
</tr>
<tr>
<td>(a) PM-10 certified:</td>
<td>34</td>
</tr>
<tr>
<td>(b) Noncertified:</td>
<td>0</td>
</tr>
</tbody>
</table>

### 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:** Wylie Beirup, PE PhD

**Title:** City of Phoenix Street Transportation Director

**Date:** 11/22/13

### PART F - CHECKLIST (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 10-14 are complete
- Part D - Fields 15-21 are complete

**Yes**
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>ITEM DESCRIPTION</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>214,969.00</td>
</tr>
<tr>
<td></td>
<td>OPTIONAL ITEMS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Each</td>
<td>Air Ride Seats</td>
<td></td>
<td>1,588.00</td>
</tr>
<tr>
<td></td>
<td>Slow Moving Vehicle Emblem</td>
<td></td>
<td>84.00</td>
</tr>
<tr>
<td></td>
<td>Main Broom Odometer</td>
<td></td>
<td>320.00</td>
</tr>
<tr>
<td></td>
<td>25' Water Hose</td>
<td></td>
<td>330.00</td>
</tr>
<tr>
<td></td>
<td>RH Gutter Broom Tilt</td>
<td></td>
<td>1,090.00</td>
</tr>
<tr>
<td></td>
<td>LH Gutter Broom Tilt</td>
<td></td>
<td>1,090.00</td>
</tr>
<tr>
<td></td>
<td>Hopper Mounted Strobe With Guard</td>
<td></td>
<td>930.00</td>
</tr>
<tr>
<td></td>
<td>PM10 Compliant</td>
<td></td>
<td>2,710.00</td>
</tr>
<tr>
<td></td>
<td>Auto Lube Sweeper/Chassis</td>
<td></td>
<td>6,375.00</td>
</tr>
<tr>
<td></td>
<td>Master Battery Shutoff</td>
<td></td>
<td>700.00</td>
</tr>
<tr>
<td></td>
<td>LH Fender Mirror</td>
<td></td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>AM/FM Stereo</td>
<td></td>
<td>250</td>
</tr>
<tr>
<td></td>
<td>Safety Check Bolts</td>
<td></td>
<td>62</td>
</tr>
<tr>
<td></td>
<td>2 Spare Tires/Wheels</td>
<td></td>
<td>1600</td>
</tr>
<tr>
<td></td>
<td>James King Reflector Kit</td>
<td></td>
<td>224</td>
</tr>
<tr>
<td></td>
<td>5LB. Fire Extinguisher</td>
<td></td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Brigade Electronic Back Up Alarm</td>
<td></td>
<td>310</td>
</tr>
</tbody>
</table>

QUOTE GOOD THROUGH DECEMBER 2014

| SUBTOTAL | $ 232,782.00 |
| 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!