

**PM-10 CERTIFIED STREET SWEEPER APPLICATION****CMAQ Funding Available for Federal Fiscal Year 2016****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 **\$1,081,440 in FY 2016 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 21, 2015 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
Wednesday, August 19, 2015	10:00-11:30 AM	Saguaro	Workshop on MAG Transportation Programming and Federal Fund Project Applications
Monday, August 24, 2015	8:30-10:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications
Monday, September 14, 2015	9:00-10:00 AM	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	<a href="mailto:TKennedy@azmaq.gov">TKennedy@azmaq.gov</a>
Dean Giles	602-254-6300	<a href="mailto:DGiles@azmaq.gov">DGiles@azmaq.gov</a>
Stephen Tate	602-452-5010	<a href="mailto:State@azmaq.gov">State@azmaq.gov</a>

**PM-10 CERTIFIED STREET SWEEPER APPLICATION**  
**CMAQ Funding Available for Federal Fiscal Year 2016**

**All information in Parts A, B, C, D and E are required.**

**PART A - CONTACT INFORMATION**

**Contact Information**

1. Agency Name (Please select one)	Glendale
2. Name:	Montana Slack
3. Phone:	623-930-2621
4. E-Mail:	<a href="mailto:msslack@glendaleaz.com">msslack@glendaleaz.com</a>
5. Mailing Address:	6210 W. Myrtle
	Glendale, Arizona 85301

**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 attach the detailed price summary when submitting and transmitting application. <b>Detailed price summary has been attached with application, as requested.</b>		
7. Funding Information	<b>Amount</b>		
(a) Total Cost of Sweeper	<b>\$255,613</b>		
(b) Total Cost Eligible for Reimbursement ( See the Attachment 1 for Rule 1186 List of Eligible Sweepers)	<b>\$255,613</b>		
(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 )	<b>\$0</b>		
8. Reimbursement Information	<b>Amount</b>	<b>Funding Type</b>	<b>Share of Eligible Cost (See #7)</b>
(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%	<b>\$241,043</b>	<b>CMAQ</b>	<b>94.3%</b>
(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%	<b>\$14,570</b>	<b>Local</b>	<b>5.70%</b>
9. Project Funding Based on Information from #7 & #8	<b>Federal Share = 8a</b>	<b>Local Share = 7c + 8b</b>	<b>Total Cost of Sweeper</b>
	<b>\$241,043</b>	<b>\$14,570</b>	<b>\$255,613</b>

**PM-10 CERTIFIED STREET SWEEPER APPLICATION**  
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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
Yes
No

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)	30	60	60	0
(b) Lane miles to be swept per cycle	148	77	232	0
(c) Average weekday traffic per lane being swept	7,500	2,500	1,000	0
(d) If values were entered in the "Other" column, please specify what "Other" means:	N/A			

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:	N/A			

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):	30	90	90	0
If values were entered in the "Other" column, please specify what "Other" means:	N/A			

**PM-10 CERTIFIED STREET SWEEPER APPLICATION**

**CMAQ Funding Available for Federal Fiscal Year 2016**

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

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Useful life standard: 12,000 hours

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

--

Useful life standard: 8 years

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

--

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

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

N/A
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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](#)

Yes. Map ID #3, Site ID #40132001, Address: 6001 W. Olive Avenue, Glendale, Maricopa Co. AQD
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**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
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If yes, please provide details (e.g., number, type and cost of employees, equipment, and maintenance).

4 Equipment Operators, \$42,169 average annual salary for each; Yearly average O&M estimated for \$25,000
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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).

Due, to operational needs, this street sweeper will be used anywhere within the City of Glendale, city limits.
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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. <b>Map has been submitted in PDF format, as requested.</b>
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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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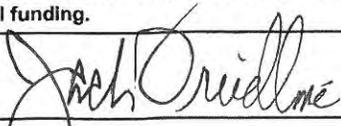
**PM-10 CERTIFIED STREET SWEEPER APPLICATION**  
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20. Please indicate the total number of sweepers currently owned and operated by your agency for sweeping streets:

(a) PM-10 certified:	3
(b) Noncertified:	1

**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: Jack Friedline

Title: Director of Public Works

Date: 09-17-2015

**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

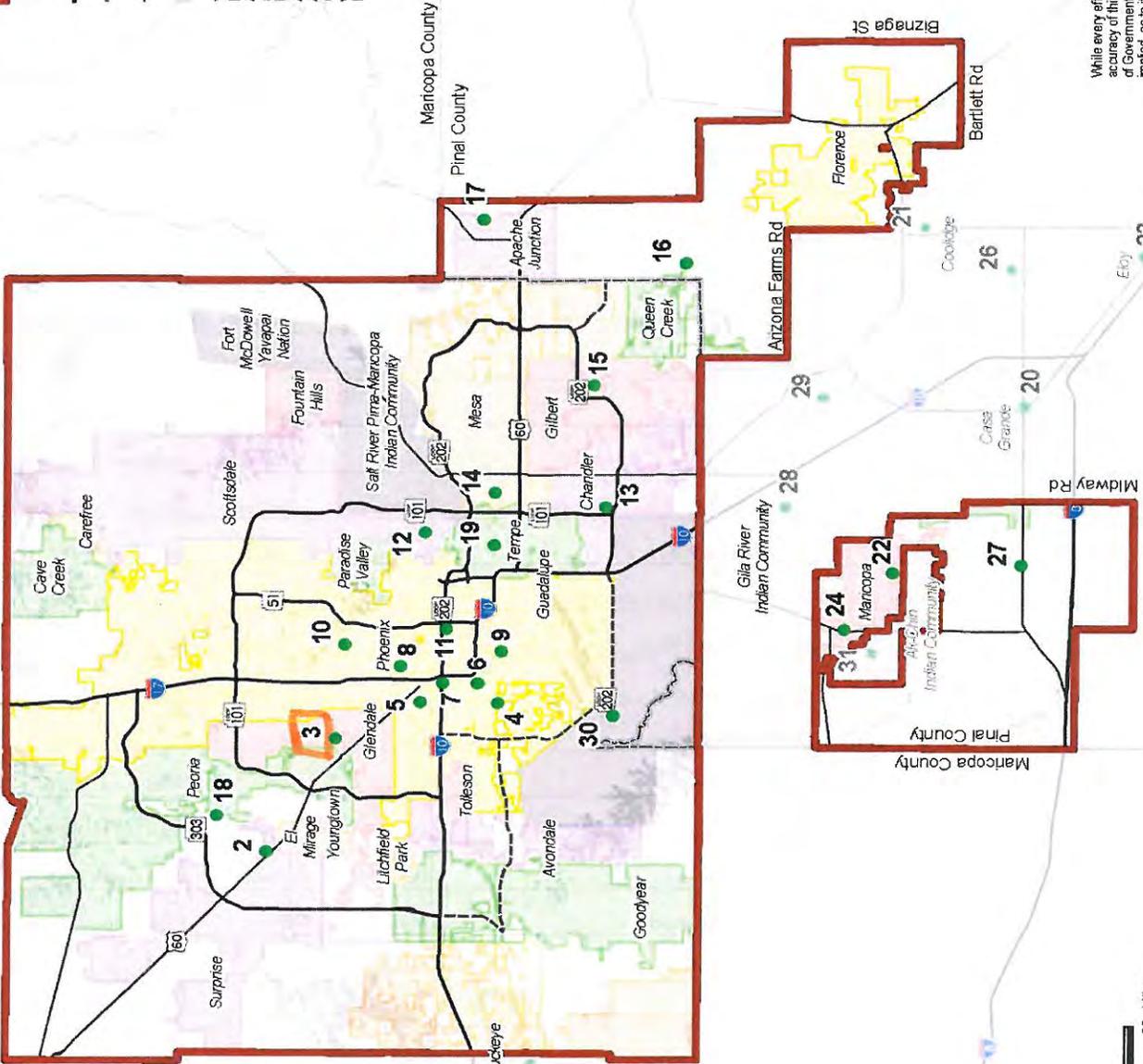
Part A - Fields 1- 5 are complete	Yes	
Part B - Fields 6-9 are complete	Yes	
Part C - Fields 10-15 are complete	Yes	
Part D - Fields 16-20 are complete	Yes	

**MARICOPA ASSOCIATION OF GOVERNMENTS**

**CMAQ Paving Application Area**

-  CMAQ Eligible Area \*
-  PM-10 Monitor
-  Freeway
-  Planned Freeway
-  Other Highway
-  Indian Community

\* Combines those areas of the Maricopa PM-10 Nonattainment Area, the Pinal PM-10 Nonattainment Area, and the West Pinal PM-25 Nonattainment Areas within the MAG Planning Area. Also included is the portion of the SCMPD Planning Area within the West Pinal PM-25 Nonattainment Area.



Date: July 2015

While every effort has been made to ensure the accuracy of this information, the Maricopa Association of Governments makes no warranty, expressed or implied, as to its accuracy and expressly disclaims liability for the accuracy thereof.

I:\Data\_Request\mag\Transportation\Slave\Paving\CMAQ\_PavingApplicationArea.mxd

#15. Monitor location "3"

# STREET SWEEPING MAIN ARTERIALS MONTHLY SCHEDULE



WEEK 1

51-75 Pinnacle-Union Hills



WEEK 2

51-75 Union Hills-Cactus



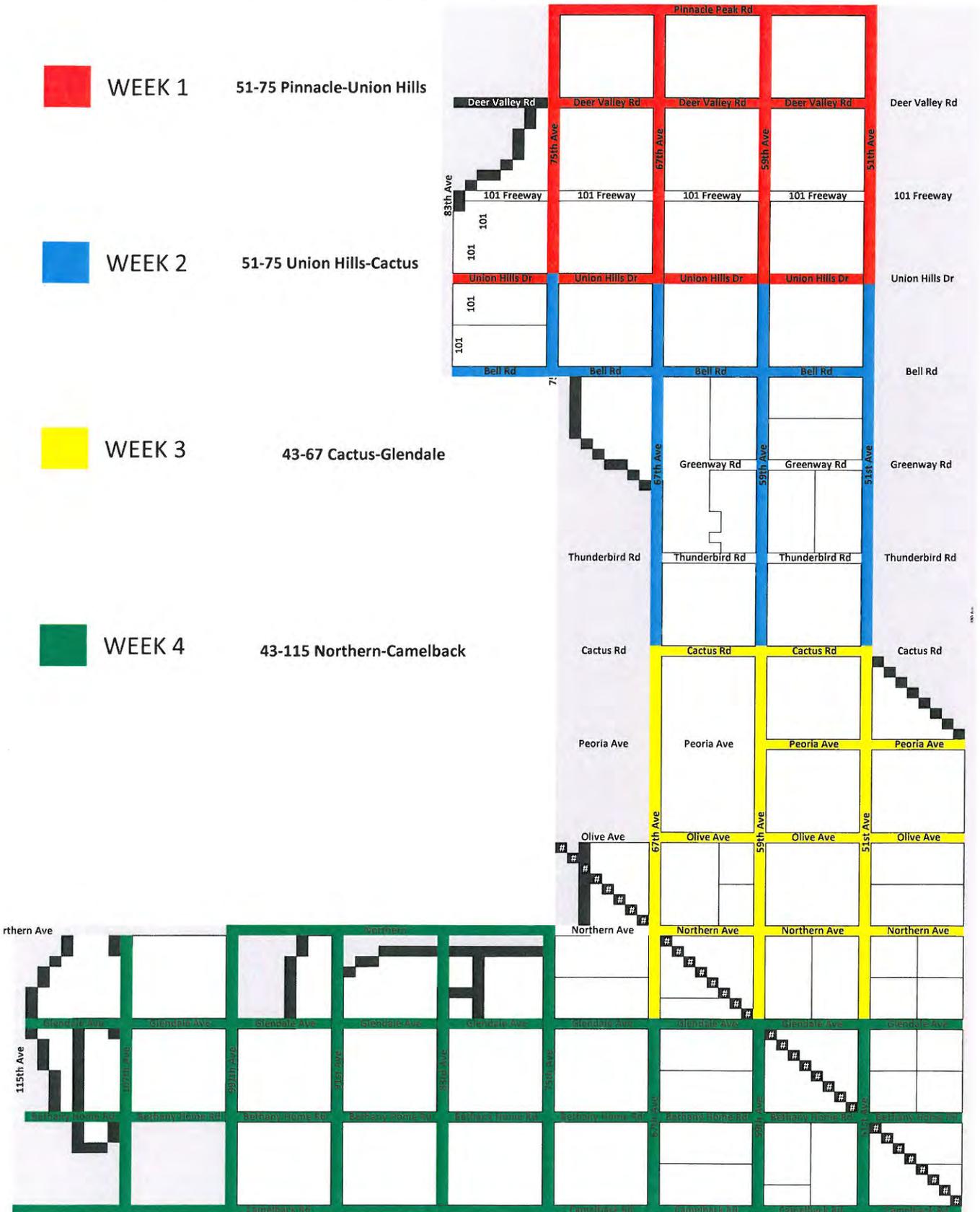
WEEK 3

43-67 Cactus-Glendale



WEEK 4

43-115 Northern-Camelback



## STREET SWEEPING 8 WEEK CYCLE

- Week 1     67-83 Pinnacle-101
- Week 2     51-83 101-Bell Rd
- Week 3     51-75 Bell-Thunderbird
- Week 4     43-67 Thunderbird-Olive
- Week 5     43-75 Olive-Glendale
- Week 6     43-67 Glendale-Camelback
- Week 7     67-91 Northern-Camelback
- Week 8     91-115 Northern-Camelback



**BALAR EQUIPMENT**

11023 N. 22ND AVE,  
 P.O. BOX 83118  
 PHOENIX, AZ 85029

Voice: 602-944-1933  
 Fax: 602-944-9687

**QUOTATION**

Quote Number: 715200  
 Quote Date: Jul 27, 2015  
 Page: 1

<b>Quoted To:</b>
CITY OF GLENDALE ATTN:EQUIPMENT MANAGEMENT 6210 WEST MYRTLE SUITE 111 GLENDALE, AZ 85301-1700

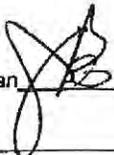
CITY OF GLENDALE  
 FIELD OPERATIONS CENTER  
 6210 W. MYRTLE AVE.  
 GLENDALE, AZ 85301-2599

Customer ID	Good Thru	Payment Terms	Sales Rep
GLENDALE-1	8/26/15	Net 10 Days	JB

Quantity	Item	Description	Unit Price	Amount
1.00	SCH-M6000SE	SCHWARZE SINGLE ENGINE, RIGHT HIGH DUMP UNIT, TIER III COMPLIANT. INCLUDES: * 2013 FREIGHTLINER M2 CHASIS WITH LED WORK LIGHTS, 2 AIR RIDE SEATS, 12" PARABOLIC MIRROR SET. MINIMUM 250 HP ENGINE * 5.0 CU. HOPPER WITH 1400 LBS. LIFT CAPACITY-SCISSOR LIFT-VARIABLE DUMP HEIGHT 16" TO 138" * SWEEPING WIDTH 120"(WITH SIDE BROOMS EXTENDED) * WHEELBASE-138", LENGTH 269", TRAVEL WIDTH-96" * OVERALL HEIGHT 113" * GVWR-33,000 LBS. * DUAL GUTTER BROOMS-POWER TILT-BEHIND CAB-44" DIAMETER-5 SEGMENT, VARIABLE SPEED, FREE-FLOATING, FULL HYDRAULIC IN CAB ADJUSTMENTS * CENTER DEFLECTOR-RAISES AND LOWERS AUTOMATICALLY. * MAIN BROOM:36" DIAMETER, 58"	232,330.00	232,330.00

Subtotal	Continued
Sales Tax	Continued
Freight	Continued
<b>TOTAL</b>	<b>Continued</b>

Salesman



Owner

**BALAR EQUIPMENT**

11023 N. 22ND AVE.  
 P.O. BOX 83118  
 PHOENIX, AZ 85029

Voice: 602-944-1933  
 Fax: 602-944-9687

**QUOTATION**

Quote Number: 715200  
 Quote Date: Jul 27, 2015  
 Page: 2

<b>Quoted To:</b>
CITY OF GLENDALE ATTN:EQUIPMENT MANAGEMENT 6210 WEST MYRTLE SUITE 111 GLENDALE, AZ 85301-1700

CITY OF GLENDALE  
 FIELD OPERATIONS CENTER  
 6210 W. MYRTLE AVE.  
 GLENDALE, AZ 85301-2599

<b>Customer ID</b>	<b>Good Thru</b>	<b>Payment Terms</b>	<b>Sales Rep</b>
GLENDALE-1	8/26/15	Net 10 Days	JB

Quantity	Item	Description	Unit Price	Amount
		LENGTH; IN CAB HYDRAULIC LIFT, CHAIN DRIVE VIA HYDRAULIC MOTOR, SELF-ALIGNING BEARINGS, AIR SUSPENSION * WATER SYSTEM-350 GAL POLYETHYLENE-SPRAY BARS 7 NOZZLES ACROSS FRONT BUMPER, 3 NOZZLES AT EACH GUTTER BROOM, AND 5 NOZZLES ACROSS MAIN BROOM. * WATER TANK LOW LEVEL ALARM & INDICATOR * FUEL TANK: 56 GAL. * CONVEYOR/ELEVATOR * CARBIDE DRAG SHOES-2" WIDE * LOW HYDRAULIC LEVEL INDICATOR IN-CAB * HYDRAULIC PRESSURE GAUGE AT VALVE BANK * LIGHTING: 2 LED FLOOD LIGHTS MOUNTED ON LH & RH BUMPER, STROBE LIGHTS-REAR W/GUARD & FRONT OVER CAB W/GUARD, LED ARROWBOARD, TRAFFIC GUIDE SPLIT LED		
		Subtotal		Continued
		Sales Tax		Continued
		Freight		Continued
		<b>TOTAL</b>		<b>Continued</b>

Salesman \_\_\_\_\_

Owner \_\_\_\_\_

**BALAR EQUIPMENT**

11023 N. 22ND AVE.  
 P.O. BOX 83118  
 PHOENIX, AZ 85029

Voice: 602-944-1933  
 Fax: 602-944-9687

**QUOTATION**

Quote Number: 715200  
 Quote Date: Jul 27, 2015  
 Page: 3

**Quoted To:**

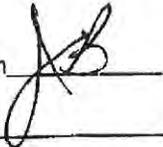
CITY OF GLENDALE  
 ATTN: EQUIPMENT MANAGEMENT  
 6210 WEST MYRTLE SUITE 111  
 GLENDALE, AZ 85301-1700

CITY OF GLENDALE  
 FIELD OPERATIONS CENTER  
 6210 W. MYRTLE AVE.  
 GLENDALE, AZ 85301-2599

Customer ID	Good Thru	Payment Terms	Sales Rep
GLENDALE-1	8/26/15	Net 10 Days	JB

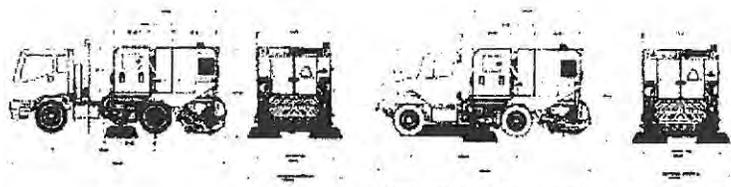
Quantity	Item	Description	Unit Price	Amount
		* EXTENDED WARRANTY-1 YEAR OR 2400 HRS. FREIGHT INCLUDED		
			Subtotal	232,330.00
			Sales Tax	19,283.39
			Freight	4,000.00
			<b>TOTAL</b>	<b>255,613.39</b>

Salesman



Owner

# M6 Avalanche



Design and specifications subject to change without notice

## CONVEYER / SQUEEGEE

Conveyer	Squeegies with replaceable flights
Conveyer Chain	Precision, heavy duty, constant-radius roller chain
Bearings	Self-aligning, triple-sealed and shielded
Conveyer Floor	Bolt-on; replaceable
Speed	Forward and Reverse, In-Cab Variable Speed Standard, Independent from Engine RPM
Flexibility	Flexes for large object passage
Adjustment	Threaded rack
Drive	Direct Drive Hydraulic; forward and reverse
Hopper Connection	Positive seal to eliminate debris spillage
Suspension	Air cylinders with in-cab adjustment for lower conveyer lift
Conveyer Jam Warning	Console-mounted, light and alarm
Cleaning	Built-in flushing system with high volume fan jet nozzles

## CONVEYER / BELT

Conveyer	Heavy Duty multiply belt with full width cleats
Bearings	Self-aligning, triple-sealed and shielded
Conveyer Floor	Bolt-on; replaceable
Speed	Forward and Reverse, In-Cab Variable Speed Standard, Independent from Engine RPM
Adjustment	Threaded rack
Drive	Direct Drive Hydraulic; forward and reverse
Hopper Connection	Positive seal to eliminate debris spillage
Suspension	Air cylinders with in-cab adjustment for lower conveyer lift
Conveyer Jam Warning	Console-mounted, light and alarm
Cleaning	Built-in flushing system with high volume fan jet nozzles and lower roller flush

## WATER SYSTEM

Capacity of Tank	SE conventional - 350 gal. (1325L) SE cab over - 350 to 700 gal. (1325 to 2650L) TE conventional - 200 gal. (760L) TE cab over - 350 to 500 gal. (1325 to 2555L)
Construction	Polyethylene
Filler	4" (102 mm) air gap fill; tubular protected fill receptacle
Fill	Hose 25' with 2.5" NST hydrant coupling (7620mm x 83.5mm)
Mounting	Bolt-on, removable
Pump	Electric diaphragm pump, 5.88 GPM (22.3 LPM) at 50 PSI (3.5 Bars)
Spray Bars	In-cab, independent control, 7 nozzles located across front bumper, 4 nozzles at each gutter broom and 5 nozzles across the main broom
Spray Nozzles	All brass 80 degree fan pattern with 100 mesh top strainer
Filter	200 mesh screen primary with 5 micron high capacity secondary filter

## FUEL SYSTEM

Fuel Tank	Diesel, 50 gallons (189.25 L) CNG, 50 DGE (Diesel Gal. Equivalent) at 3600 PSI
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## HYDRAULIC SYSTEM

Pump	Variable Displacement load sense piston pump
Reservoir	35 gallons (133L), mounted above pump
Oil Cooler	120,000 BTU twin electric fans
Valves	Electro-mechanical 12-volt DC with lighted DIN connectors
Protection	Pressure relief
Controls	In-cab, all electric
Filtration	100-mesh suction, 10-micron return, 5-micron breather

## ELECTRICAL SYSTEM

Voltage	12-volt
Alternator	160 AMP

## SWEEPER ENGINE (TWIN ENGINE ONLY)

Auxiliary for twin engine	Deutz Tier 4i, In-line 4-cylinder Turbo Charged diesel
Displacement	221 cu. in. (3.62 L)
Stroke	5.0" (125 mm) Bore 3.8" (96 mm) Compression Ratio 18:1
Horsepower	75HP (56 kw) @ 2600 rpm
Torque	184 ft. lb. (250 Nm) @ 1600 rpm

## GUTTER BROOMS

Location	Behind Cab
Diameter	49" (1,245 mm)
Type	5 segment wire filled plastic recyclable head
Speed	In-Cab Variable Speed Standard, Independent from Engine RPM
Suspension	Free-floating with air suspension and air extension
Drive	Full hydraulic
Adjustments	Manual tilt; In-cab remote hydraulic tilt (optional)
Bristles	26" (660mm) wire
Center Deflector	Raises and lowers automatically with main broom

## MAIN BROOM

Diameter	36" (914mm)
Length	58" (1,473mm)
Bristles	Replaceable solid core, poly wafers, poly wafers/steel comb or strip broom
Lift Control	In-cab pneumatic lift with positive lock
Drive	Direct drive hydraulic motor
Mounting	Full floating
Speed	Forward and Reverse, In-Cab Variable Speed Standard, Independent from Engine RPM
Bearings	Self-aligning
Dirt Shoes	Trailing arm design with 2" (51 mm) wide Tungsten carbide shoe w/ Elastomeric flex link
Suspension	Air Suspension with in-cab adjustment and display

## DEBRIS HOPPER

Volumetric Capacity	5.0 cu. yds. (3.82 m3)
Construction	3/16" Floor, 10 gauge sides/ roof, Temper Pass/Pickled in Oil Carbon Steel Optional Stainless Steel
Lift Capacity	14,000 lbs. (6350 kg)
Dumping	Scissor-lift with hopper tilt
Dump Height	(Variable) 16" (406 mm) to 136" (3,505 mm)
Inspection	Side door with ladder access, front view window with double skylight and LED illumination

## GENERAL

Wheelbase	SE and TE - 139" (3,532 mm) Cab Over - 132" (3,353 mm)
Length	SE and TE - 273" (6,934 mm) Cab Over - 269" (6,833 mm)
Travel Width	96" (2,438mm)
Sweeping Width	134" (3,404mm) (brooms extended)
Overall Height	113" (2,870mm)
GVWR	33,000 lbs. (14,969 kg)

## PAINT

One coat of sealer/primer and two coats of DuPont Imron Elite polyurethane white color

## Just a few of the options offered on the M6 Avalanche™

Arrow Board, Rear View Camera, Hopper full indicator, Extra LED flood lights, Extensive safety lighting, Pressure washer with hose reel Reversible Gutter Brooms

## WARRANTY

The Schwarze M6 Avalanche sweeper is guaranteed to be free from defects due to faulty materials and/or workmanship for a period of 12 months or 1200 hours. Liability is limited to replacement of defective parts at factory or authorized dealer. The standard warranty of the chassis or auxiliary engine manufacturer, if so equipped shall apply.

Note: Specifications are subject to change without notice

## Affiliates:



Schwarze Industries, Inc.  
1055 Jordan Road  
Huntsville, AL 35811

800.879.7033

An Amman Group Company





**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)**

**RULE 1186 CERTIFIED STREET SWEEPERS AS OF APRIL 22, 2015**

THE FOLLOWING IS A LIST OF STREET SWEEPING EQUIPMENT THAT HAS CURRENTLY BEEN CERTIFIED FOR SCAQMD RULE 1186. ALL CERTIFIED EQUIPMENT MUST BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. FUTURE TESTING MAY QUALIFY ADDITIONAL EQUIPMENT. CALL 1 (800) CUT-SMOG FOR THE CURRENT LIST.

MAKE*	MODEL*	DUST CONTROL SYSTEMS*
CHALLENGER MANUFACTURING	CHALLENGER	<ul style="list-style-type: none"> <li>• THREE (3) 0.03 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• FOUR (4) 0.03 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED BETWEEN THE MAIN BROOM AND THE CONVEYOR</li> <li>• WATER PUMP TO PROVIDE 25 POUNDS PER SQUARE INCH WATER PRESSURE DURING OPERATION; MAXIMUM OF 45 POUNDS PER SQUARE INCH</li> </ul>
ELGIN	AIR CUB (LX/DX) CROSSWIND FURY	<ul style="list-style-type: none"> <li>• DIAMOND GRID DUST SEPARATION SCREEN</li> <li>• LOUVERED CENTRIFUGAL DUST SEPARATOR</li> <li>• ONE (1) 0.06 INCH DIAMETER ORIFICE NOZZLE CENTRALLY LOCATED ABOVE FAN INLET IN THE HOPPER</li> <li>• TWO (2) 0.047 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE SUCTION TUBE</li> <li>• FOUR (4) 0.051 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• PUMP TO PROVIDE 40 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
ELGIN	CROSSWIND J	<ul style="list-style-type: none"> <li>• DIAMOND GRID DUST SEPARATION SCREEN</li> <li>• S-TRAP CENTRIFUGAL SEPARATOR</li> <li>• FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE HOPPER</li> <li>• THREE (3) 0.059 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE SUCTION TUBE</li> <li>• THREE (3) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• WATER PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

\* In order to ensure compliance with Rule 1186 requirements, all certified equipment must be operated and maintained in accordance with the manufacturer's specifications. End users are responsible for ensuring that the dust control systems are in place for each certified sweeper.  
 Note: The make and model of the sweeper must have the dust control system(s) specified above to be in compliance. (Standard or older models may not have all the systems). Please contact the manufacturer if you would like to ensure that your sweeper(s) are Rule 1186 compliant.



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4182  
(909) 396-2000 • [www.aqmd.gov](http://www.aqmd.gov)

## CERTIFIED STREET SWEEPERS UNDER SCAQMD RULE 1186 (AS OF APRIL 22, 2015\*)

SCAQMD Rule 1186 requires local governments within the South Coast Air Quality Management District (see Figure below) to procure certified street sweepers for new equipment purchases or new street sweeping contracts made after January 1, 2000 (there are no retrofit requirements under Rule 1186).

Various SCAQMD regulations also require procurement of certified street sweepers to implement specific rule requirements. This list of equipment is updated periodically based on certifications test results and in response to new information.

The SCAQMD Governing Board adopted Rule 1186 street sweeper testing and certification procedures in September of 1999. Enclosed is a list of equipment that has met the Rule 1186 certification standards. (The equipment may either be new or upgraded to meet certification specifications). Questions on equipment capabilities and options should be directed to your local distributor and/or the manufacturer. Questions regarding the Rule requirements can be directed to Mike Laybourn, Air Quality Specialist, at (909) 396-3066 or [mlaybourn@aqmd.gov](mailto:mlaybourn@aqmd.gov).



***Cleaning the air that we breathe...***

\* Additional sweepers may be certified based on future tests. You can call 1 (800) CUT-SMOG or visit [www.aqmd.gov](http://www.aqmd.gov) for the most recent list of Rule 1186 certified equipment.



**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)  
 RULE 1186 CERTIFIED \* STREET SWEEPERS AS OF APRIL 22, 2015**

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MAKE *	MODEL *	DUST CONTROL SYSTEMS *
ELGIN	PELICAN P & S PELICAN SE (WET SUPPRESSION)	<ul style="list-style-type: none"> <li>• FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED BETWEEN THE MAIN BROOM AND THE CONVEYOR</li> <li>• TWO (2) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH GUTTER BROOM</li> <li>• WATER PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
ELGIN	PELICAN P (WATERLESS SUPPRESSION)	<ul style="list-style-type: none"> <li>• GUTTER/MAIN BROOM FULLY ENCLOSED SHROUD SYSTEM</li> <li>• TWO CENTRIFUGAL DUST EVACUATION FANS</li> <li>• SYNTHETIC MULTI-POCKET FILTER WITH HYDRAULIC SHAKER FOR DUST REMOVAL</li> </ul>
ELGIN	PELICAN P (COMBINATION)	<ul style="list-style-type: none"> <li>• ALL OF THE FEATURES OF THE WET AND WATERLESS SUPPRESSION PELICAN P STREET SWEEPER WITH THE EQUIPMENT OPERATED IN EITHER THE WET OR WATERLESS MODE</li> </ul>
ELGIN	EAGLE E EAGLE F EAGLE (CNG) BROOM BEAR ROAD WIZARD	<ul style="list-style-type: none"> <li>• FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED BETWEEN THE MAIN BROOM AND THE CONVEYOR</li> <li>• THREE (3) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH GUTTER BROOM</li> <li>• WATER PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
ELGIN	EAGLE F (WATERLESS)	<ul style="list-style-type: none"> <li>• GUTTER/MAIN BROOM FULLY ENCLOSED SHROUD SYSTEM</li> <li>• CENTRIFUGAL DUST EVACUATION FAN</li> <li>• SYNTHETIC MULTI-POCKET FILTER WITH HYDRAULIC SHAKER FOR DUST CONTROL</li> </ul>
ELGIN	EAGLE F (COMBINATION)	<ul style="list-style-type: none"> <li>• ALL OF THE FEATURES OF THE WET AND WATERLESS EAGLE F STREET SWEEPER WITH THE EQUIPMENT OPERATED IN EITHER THE WET OR WATERLESS MODE</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEMS*
ELGIN	GEOVAC	<ul style="list-style-type: none"> <li>• DIAMOND GRID DUST SEPARATION SCREEN</li> <li>• FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED IN THE HOPPER</li> <li>• TWO (2) 0.059 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE SUCTION TUBE</li> <li>• TWO (2) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES LOCATED AT THE EXTENSION BROOM</li> <li>• WATER PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
ELGIN	WHIRLWIND MV	<ul style="list-style-type: none"> <li>• DIAMOND GRID DUST SEPARATION SCREEN</li> <li>• FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED IN THE HOPPER</li> <li>• TWO (2) 0.059 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE SUCTION TUBE</li> <li>• TWO (2) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• FOUR (4) 0.60 INCH DIAMETER ORIFICE NOZZLES LOCATED AT THE EXTENSION BROOM</li> <li>• PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
JOHNSTON	310	<ul style="list-style-type: none"> <li>• FOUR (4) 0.072 INCH DIAMETER ORIFICE NOZZLES LOCATED IN FRONT SPRAY BAR</li> <li>• TWO (2) 0.072 INCH DIAMETER ORIFICE NOZZLES PER EACH GUTTER BROOM</li> <li>• ONE (1) 0.026 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE FAN SUCTION HOOD</li> <li>• WATER PUMP TO PROVIDE 50 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEMS*
JOHNSTON  3000 MX450 4000 4000 SDS MST 350		<ul style="list-style-type: none"> <li>• ENCLOSED ELEVATOR SYSTEM</li> <li>• STEEL OR MIXED POLYESTER MAIN PICK UP BROOM</li> <li>• ONE (1) 0.072 INCH DIAMETER ORIFICE NOZZLE PER EACH GUTTER BROOM</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES PER EACH SIDE OF THE MAIN PICK UP BROOM</li> <li>• THREE (3) 0.057 INCH DIAMETER ORIFICE NOZZLES IN SPRAY BAR LOCATED BEHIND THE MAIN PICK UP BROOM</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES IN SPRAY BAR LOCATED UNDERNEATH THE CAB</li> <li>• WATER PUMP TO PROVIDE 40 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
JOHNSTON	VT605 VT610 VT605 VT650 V501 V651 V801	<ul style="list-style-type: none"> <li>• TWO (2) 0.039 INCH DIAMETER ORIFICE NOZZLES PER GUTTER BROOM</li> <li>• THREE (3) 0.042 INCH DIAMETER ORIFICE NOZZLES PER SUCTION BROOM</li> <li>• THREE (3) 0.039 INCH DIAMETER ORIFICE NOZZLES PER SUCTION NOZZLE</li> <li>• MULTI-POSITION SUCTION NOZZLE TWO ARM FACILITY</li> <li>• ONE (1) 0.042 INCH DIAMETER ORIFICE NOZZLE FOR THE IMPELLER FAN</li> <li>• WATER PUMP TO PROVIDE 50 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEMS*
JOHNSTON	770 CYCLONE	<ul style="list-style-type: none"> <li>• THREE (3) 0.067 INCH DIAMETER ORIFICE NOZZLES FOR GUTTER BROOMS</li> <li>• TWO (2) 0.07 INCH DIAMETER ORIFICE NOZZLES FOR CENTER CURTAIN</li> <li>• FOUR (4) 0.055 INCH DIAMETER ORIFICE NOZZLES FOR FRONT BUMPER</li> <li>• TWO (2) 0.067 INCH DIAMETER ORIFICE NOZZLES FOR FRONT CURB SPRAY</li> <li>• TWO (2) 0.07 INCH DIAMETER ORIFICE NOZZLES ON LEFT AND RIGHT SIDE OF PICK UP HEAD</li> <li>• THREE (3) 0.082 INCH DIAMETER ORIFICE NOZZLES FOR PICK UP HEAD FRONT SIDE</li> <li>• SEVEN (7) 0.079 INCH DIAMETER ORIFICE NOZZLES FOR PICK UP HEAD REAR SIDE</li> <li>• THREE (3) 0.079 INCH DIAMETER ORIFICE NOZZLES FOR WINDROW PATH</li> <li>• TWO (2) 0.045 INCH DIAMETER ORIFICE NOZZLES FOR PICK UP HEAD SUCTION</li> <li>• ONE (1) 0.079 INCH DIAMETER ORIFICE NOZZLE FOR BLOWER FAN OUTLET</li> <li>• PUMP TO PROVIDE 50 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
NESCON	X-BROOM	<ul style="list-style-type: none"> <li>• THREE (3) 0.079 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• FIVE (5) 0.079 INCH DIAMETER ORIFICE NOZZLES ACROSS FRONT BUMPER</li> <li>• FIVE (5) 0.050 INCH DIAMETER ORIFICE NOZZLES IN MAIN BROOM HOUSING</li> <li>• WATER PUMP TO PROVIDE 50 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEMS*
SCHWARZE	EV-1	<ul style="list-style-type: none"> <li>• TWELVE (12) POLYESTER DRY FILTER CARTRIDGES (MAINTAINED TO ENSURE PROPER INTEGRITY)</li> <li>• FILTRATION CLEANED THREE TIMES PER MINUTE</li> <li>• FILTRATION SYSTEM ACTIVE AT ALL TIMES</li> </ul>
SCHWARZE	EV-2	<ul style="list-style-type: none"> <li>• EIGHT (8) POLYESTER DRY FILTER CARTRIDGES (MAINTAINED TO ENSURE PROPER INTEGRITY)</li> <li>• FILTRATION SYSTEM OPERATED AT ALL TIMES</li> <li>• EACH FILTER CLEANED THREE TIMES PER MINUTE</li> </ul>
SCHWARZE	DXR	<ul style="list-style-type: none"> <li>• POLYESTER DRY FILTER CARTRIDGES (MAINTAINED TO ENSURE PROPER INTEGRITY)</li> <li>• FILTRATION SYSTEM ACTIVE AT ALL TIMES</li> <li>• FILTRATION CLEANED FOUR TIMES PER MINUTE AND A HALF</li> </ul>
SCHWARZE	A4000/ A4STORM	<ul style="list-style-type: none"> <li>• FOUR (4) 0.036 INCH DIAMETER ORIFICE NOZZLES LOCATED ON THE SWEEPING HEAD</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES INSIDE HOPPER</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM</li> <li>• FOUR (4) 0.036 INCH DIAMETER ORIFICE NOZZLES INSIDE HOPPER ON SPRAY BAR</li> <li>• WATER PUMP TO PROVIDE 70 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
SCHWARZE	M5000/M6000/ M6 AVALANCHE	<ul style="list-style-type: none"> <li>• FIVE (5) 0.036 INCH DIAMETER ORIFICE NOZZLES ON MAIN BROOM</li> <li>• THREE (3) 0.036 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM</li> <li>• WATER PUMP TO PROVIDE 70 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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MAKE *	MODEL *	DUST CONTROL SYSTEMS *
SCHWARZE	A 7000/ A7 TORNADO A7 ZEPHYR A 8000/ A8 TWISTER A 9000/ A9 MONSOON	<ul style="list-style-type: none"> <li>• SAWTOOTH DUST SEPARATION SCREEN, SELF DUMPING DUST SEPARATOR, FAN CENTRIFUGE</li> <li>• FIVE (5) 0.036 INCH DIAMETER ORIFICE NOZZLES LOCATED ON THE SWEEPING HEAD</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES LOCATED ON HEAD INTAKE TUBE</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES IN RIGHT HAND GUTTER BROOM</li> <li>• FOUR (4) 0.036 INCH DIAMETER ORIFICE NOZZLES LOCATED ON HOPPER SPRAY BAR</li> <li>• WATER PUMP TO PROVIDE 70 POUNDS PER SQUARE INCH WATER PRESSURE</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES IN LEFT HAND GUTTER BROOM (REQUIRED IF BOTH GUTTER BROOMS ARE USED)</li> </ul>
SCHWARZE	S348-I/ SUPERVAC VORTEX S348-LE/ SUPERVAC GALE FORCE	<ul style="list-style-type: none"> <li>• FOUR (4) 0.036 INCH DIAMETER ORIFICE NOZZLES ON HOPPER SPRAY BAR</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES IN HOPPER</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES ON RIGHT HAND GUTTER BROOM</li> <li>• WATER PUMP TO PROVIDE 70 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
STEWART-AMOS	STARFIRE S-4, S-5, AND S-6	<ul style="list-style-type: none"> <li>• FOUR (4) 0.05 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED BETWEEN THE MAIN BROOM AND THE ELEVATOR</li> <li>• FOUR (4) 0.05 INCH DIAMETER ORIFICE NOZZLES LOCATED BENEATH THE FRONT BUMPER OF THE CHASSIS</li> <li>• TWO (2) 0.05 INCH DIAMETER ORIFICE NOZZLES LOCATED IN FRONT OF EACH GUTTER BROOM</li> <li>• WATER PUMP TO PROVIDE 40 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEMS*
PYTHON	S2000	<ul style="list-style-type: none"> <li>• FOUR (4) 0.008 INCH DIAMETER ORIFICE NOZZLES MOUNTED ABOVE AND AHEAD OF A 36 INCH FILL DIAMETER REAR BROOM</li> <li>• WATER LINE WITH 0.02 INCH DIAMETER ORIFICE AND THREE (3) 0.06 DIAMETER OUTLETS ABOVE EACH 42 INCH DIAMETER GUTTER BROOM</li> <li>• PUMP TO PROVIDE 24 POUNDS PER SQUARE INCH WATER PRESSURE DURING OPERATION <i>PLEASE NOTE THAT THE GUTTER AND REAR BROOM SIZES ARE DIFFERENT THAN THE STANDARD MODEL</i></li> </ul>
PYTHON	S3000	<ul style="list-style-type: none"> <li>• FOUR (4) 0.008 INCH DIAMETER ORIFICE NOZZLES MOUNTED ABOVE AND AHEAD OF REAR BROOM</li> <li>• WATER LINE WITH 0.02 INCH DIAMETER ORIFICE AND THREE (3) 0.06 DIAMETER OUTLETS ABOVE EACH GUTTER BROOM</li> <li>• PUMP TO PROVIDE 24 POUNDS PER SQUARE INCH WATER PRESSURE DURING OPERATION</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEMS*
TENNANT	SENTINEL	<ul style="list-style-type: none"> <li>• GUTTER/MAIN BROOM FULLY ENCLOSED SHROUD SYSTEM</li> <li>• DUAL FAN VACUUM SYSTEM (OPERATED AT ALL TIMES)</li> <li>• SYNTHETIC-SINGED POLYESTER FILTER (MAINTAINED TO ENSURE PROPER INTEGRITY)</li> </ul>
TENNANT	830 I / 830 II	<ul style="list-style-type: none"> <li>• GUTTER/MAIN BROOM FULLY ENCLOSED SHROUD SYSTEM</li> <li>• DUAL FAN VACUUM SYSTEM (OPERATED AT ALL TIMES)</li> <li>• SYNTHETIC-SINGED POLYESTER FILTER (MAINTAINED TO ENSURE PROPER INTEGRITY)</li> </ul>
TYMCO	210 300 350 435	<ul style="list-style-type: none"> <li>• CYCLONIC, MULTIPASS, CENTRIFUGAL SEPARATION</li> <li>• CENTER DEBRIS DEFLECTOR ASSEMBLY PERPENDICULAR TO THE PICK UP HEAD</li> <li>• TWO (2) 0.043 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM</li> <li>• ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLE FOR EACH GUTTER BROOM</li> <li>• ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE HOPPER</li> <li>• ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLE LOCATED IN BLOWER HOUSING</li> <li>• WATER PUMP WITH A MINIMUM SYSTEM RELIEF VALVE SET AT 25 POUNDS PER SQUARE INCH.</li> </ul>

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MAKE *	MODEL *	DUST CONTROL SYSTEMS *
TYMCO	600 600 BAH FHD 500X	<ul style="list-style-type: none"> <li>• CYCLONIC, MULTIPASS, CENTRIFUGAL SEPARATION</li> <li>• CENTER DEBRIS DEFLECTOR ASSEMBLY PERPENDICULAR TO THE PICK UP HEAD</li> <li>• FRONT DEBRIS DEFLECTOR CURTAIN ASSEMBLY PARALLEL TO THE PICK UP HEAD</li> <li>• LOW EMISSION DUST GUARDS (ONLY APPLICABLE TO CABOVER TRUCKS)</li> <li>• THREE (3) 0.063 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM</li> <li>• TWO (2) 0.043 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM</li> <li>• ONE (1) 0.093 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE HOPPER</li> <li>• ONE (1) 0.093 INCH DIAMETER ORIFICE NOZZLE LOCATED IN BLOWER HOUSING</li> <li>• TWO (2) [MINIMUM] HOPPER BAFFLE CURTAINS</li> <li>• WATER PUMP WITH A MINIMUM SYSTEM RELIEF VALVE SET AT 25 POUNDS PER SQUARE INCH.</li> </ul>
TYMCO	DST - 4	<ul style="list-style-type: none"> <li>• CYCLONIC, MULTIPASS, CENTRIFUGAL SEPARATION</li> <li>• SELF CONTAINED MULTIPLE FILTRATION SYSTEM UTILIZING PTFE MEMBRANE FILTERS</li> <li>• TWO (2) 0.043 INCH DIAMETER ORIFICE NOZZLES FOR EACH 32 INCH DIAMETER GUTTER BROOM</li> <li>• ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLES FOR EACH 32 INCH DIAMETER GUTTER BROOM</li> <li>• ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE HOPPER</li> <li>• WATER PUMP WITH A MINIMUM SYSTEM RELIEF VALVE SET AT 25 POUNDS PER SQUARE INCH.</li> </ul>

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MAKE *	MODEL *	DUST CONTROL SYSTEMS *
TYMCO	DST - 6	<ul style="list-style-type: none"> <li>• CYCLONIC, MULTIPASS, CENTRIFUGAL SEPARATION</li> <li>• SELF CONTAINED MULTIPLE FILTRATION SYSTEM UTILIZING PTFE MEMBRANE FILTERS</li> <li>• THREE (3) 0.063 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM</li> <li>• TWO (2) 0.043 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM</li> <li>• ONE (1) 0.094 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE HOPPER</li> <li>• TWO (2) [MINIMUM] HOPPER BAFFLE CURTAINS</li> <li>• WATER PUMP WITH A MINIMUM SYSTEM RELIEF VALVE SET AT 25 POUNDS PER SQUARE INCH</li> </ul>
VACALL	VS10/10D, VF10 VS13/13D, VF13 VS14/14D, VF14 VS16/16D, VF16 VS20/20D, VF20	<ul style="list-style-type: none"> <li>• FOUR (4) 0.062 INCH DIAMETER ORIFICE NOZZLES LOCATED IN FRONT OF EACH 36 INCH GUTTER BROOM</li> <li>• FOUR (4) 0.062 INCH DIAMETER ORIFICE NOZZLES LOCATED IN FRONT OF THE TRANSFER BROOM</li> <li>• TEN (10) 0.125 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE PICK UP HEAD</li> <li>• SIX (6) 0.181 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE SCRUBBER COLLAR OF THE PICK UP HEAD</li> <li>• 48 INCH POWER VACUUM NOZZLE</li> <li>• MINIMUM 300 GALLON GRAVITY FEED WATER SUPPLY SYSTEM WITH WATER CONTINUOUSLY SUPPLIED TO ALL NOZZLES</li> <li>• LOW VELOCITY DUST COLLECTION AIR CHAMBER</li> <li>• MINIMUM OF SIX (6) EXPANDED METAL SCREENS</li> </ul>

\* In order to ensure compliance with Rule 1186 requirements, all certified equipment must be operated and maintained in accordance with the manufacturer's specifications. End users are responsible for ensuring that the dust control systems are in place for each certified sweeper. Note: The make and model of the sweeper must have the dust control system(s) specified above to be in compliance. (Standard or older models may not have all the systems). Please contact the manufacturer if you would like to ensure that your sweeper(s) are Rule 1186 compliant.



**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)  
 RULE 1186 CERTIFIED \* STREET SWEEPERS AS OF APRIL 22, 2015**

THE FOLLOWING IS A LIST OF STREET SWEEPING EQUIPMENT THAT HAS CURRENTLY BEEN CERTIFIED FOR SCAQMD RULE 1186. ALL CERTIFIED EQUIPMENT MUST BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. FUTURE TESTING MAY QUALIFY ADDITIONAL EQUIPMENT. CALL 1 (800) CUT-SMOG FOR THE CURRENT LIST.

MAKE *	MODEL *	DUST CONTROL SYSTEMS *
WAYNE SWEEPERS	CENTURION	<ul style="list-style-type: none"> <li>• SEVEN (7) 0.0925 INCH DIAMETER ORIFICE NOZZLES ON SPRAY BAR UNDERNEATH THE CAB</li> <li>• TWO (2) 0.0925 INCH DIAMETER ORIFICE NOZZLES PER GUTTER BROOM</li> <li>• (GUTTER BROOMS CAN BE OPERATED WITHOUT WATER SPRAYS IF FULLY ENCLOSED SHROUD SYSTEM IS UTILIZED AND MAINTAINED PER THE MANUFACTURERS SPECIFICATIONS)</li> <li>• THREE (3) 0.0925 INCH DIAMETER ORIFICE NOZZLES ON SPRAY BAR ABOVE CONVEYOR</li> <li>• 300 GALLON WATER TANK</li> <li>• WATER PUMP TO PROVIDE MINIMUM OF SEVEN GALLONS PER MINUTE</li> <li>• SINGLE FAN VACUUM SYSTEM</li> <li>• GLAZED, POLYESTER FILTER SYSTEM (MAINTAINED TO ENSURE PROPER INTEGRITY)</li> </ul>
WAYNE SWEEPERS	GLADIATOR	<ul style="list-style-type: none"> <li>• THREE (3) 0.0925 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• SIX (6) 0.0925 INCH DIAMETER ORIFICE NOZZLES ACROSS FRONT BUMPER</li> <li>• FOUR (4) 0.0925 INCH DIAMETER ORIFICE NOZZLES AT THE REAR BROOM</li> <li>• WATER PUMP TO PROVIDE 60 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
WAYNE SWEEPERS	WARRIOR	<ul style="list-style-type: none"> <li>• THREE (3) 0.0925 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• SIX (6) 0.0925 INCH DIAMETER ORIFICE NOZZLES ACROSS FRONT BUMPER</li> <li>• WATER PUMP TO PROVIDE 60 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

\* In order to ensure compliance with Rule 1186 requirements, all certified equipment must be operated and maintained in accordance with the manufacturer's specifications. End users are responsible for ensuring that the dust control systems are in place for each certified sweeper.

Note: The make and model of the sweeper must have the dust control system(s) specified above to be in compliance. (Standard or older models may not have all the systems). Please contact the manufacturer if you would like to ensure that your sweeper(s) are Rule 1186 compliant.

July 21, 2015

**EXAMPLES OF ADDITIONAL STREET SWEEPER EQUIPMENT  
NOT ELIGIBLE FOR REIMBURSEMENT**

1. Automatic lubrication system  
(grease jockey system)
2. Camera/monitor
3. Hopper access step
4. Drag shoe carbide
5. Hydrant hopper wash down system
6. Conveyer flush kit with hydrant
7. 1000 pounds per square inch (PSI) wand
8. Dual HiBack air-suspended seats
9. Hand hose
10. Hopper Sound Suppression
11. Right hand steer chassis upcharge