



# *CITY COUNCIL AGENDA REPORT*

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MEETING DATE: August 15, 2006

ITEM NUMBER:

**SUBJECT: SOLE SOURCE REHABILITATION OF STREET SWEEPERS**

**DATE: AUGUST 3, 2006**

**FROM: PUBLIC SERVICES DEPARTMENT**

**PRESENTATION BY: WILLIAM J. MORRIS, PUBLIC SERVICES DIRECTOR**

**FOR FURTHER INFORMATION CONTACT: BRUCE HARTLEY, MAINTENANCE SERVICES  
MANAGER (714) 754-5164**

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## **RECOMMENDED ACTION:**

Authorize a sole source purchase order for the rehabilitation of two City-owned street sweepers to GCS Western Power & Equipment, 8271 Commonwealth Avenue, Buena Park, California 90621 in the amount of \$210,920.62.

## **BACKGROUND:**

The City owns and operates five street sweepers. Four of these machines are front-line vehicles, with the fifth utilized as a 'back-up' machine that is typically operated only when one of the other machines is out of service for repair or maintenance. In the past, the City has operated a street sweeper for approximately eight years prior to placing it in a back-up assignment and replacing the oldest machine. Historically, it has been the secondary motor and sweeping portion of the machine that wears out and becomes too costly to repair. The sweeping portion of the machine has a service life of eight to ten years. The platform or truck portion of the machine typically has more service life remaining, with fifteen to twenty years of service not uncommon for heavy duty diesel trucks. Since 2001, when the last year a street sweeper was purchased, the cost for a new street sweeper has risen to over \$200,000. Staff has evaluated various alternatives to purchasing new machines and has discovered a cost effective alternative. Tymco Manufacturing, Inc., the company that provided three of the existing City-owned street sweepers, has a rehabilitation option called a "Re-Mount" program. This program, coordinated through GCS Western Power & Equipment, the local distributor for Tymco, rehabilitates the entire sweeping portion of the machine for about one-half the cost of purchasing an entirely new sweeper.

The rehabilitation of two street sweepers was included in the proposed Public Services Department FY 2006-07 budget and approved by the City Council. One of the Tymco street sweepers recommended for the "Re-Mount" program is a 1997 model year with about 75,000 miles on the truck chassis and propulsion engine. The second Tymco street sweeper is a 1999 model year which will have logged over 80,000 miles nine months from now, when it would be sent for rehabilitation. The rehabilitation will be completed on one machine at a time to insure there is no reduction in sweeping service to the community.

**ANALYSIS:**

The deterioration of the sweeping components such as pick-up heads, gutter broom assemblies, debris hopper, dump door and rear engine are a result of normal usage. Failure of these components significantly reduces the sweeping effectiveness of the machine. Repair and replacement of these components is performed until they are no longer serviceable.

Rehabilitation by Tymco, the original equipment manufacturer, replaces all sweeper related components with a new 2006 Regenerative Air Sweeper, secondary engine, AQMD mandated dust control system, rubber lined blower, dual steering, 43 inch dual gutter brooms, amber strobe light and rear flasher, cab instruments, hydraulic sight and temperature gauges, twin gutter broom lights, parabolic mirrors and back-up alarm, and freight costs.

The existing chassis and cab of both sweepers are in sound condition and it is estimated that the "Re-Mount" will deliver an additional eight to ten year life cycle, while meeting Air Quality Management District PM-10 requirements.

Staff believes that the rehabilitation program is best suited to meet the City's needs to proactively and cost effectively maintain City Equipment. Staff attempted to locate other authorized Tymco dealers in the area and determined that GCS Western Power is the only factory authorized Tymco dealer and repair center for California.

**ALTERNATIVES CONSIDERED:**

One alternative to rehabilitating this equipment would be to purchase new street sweepers at a significantly higher cost. The estimated cost of a new similar street sweeper is approximately \$203,000 as compared to the \$105,460.31 rehabilitation cost.

**FISCAL REVIEW:**

Funding for the rehabilitation of two street sweepers is included in the Public Services 2006-2007 fiscal year budget.

**LEGAL REVIEW:**

A legal review is not required for this item.

**CONCLUSION:**

The City is in need of maintaining its street sweeping equipment to continue providing the high level of service to the community and to insure compliance with Federal N.P.D.E.S. storm water regulations. Staff thoroughly analyzed the option of purchasing new equipment versus rehabilitation of the existing equipment, and has determined that renovating the existing machines is the most cost effective option at this time. Based on that analysis, it is recommended that the Council authorize the sole source sweeper rehabilitation through GCS Western Power & Equipment.

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BRUCE A. HARTLEY  
Maintenance Services Manager

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WILLIAM J. MORRIS  
Public Services Director

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MARC R. PUCKETT  
Director of Finance

Attachment:	<a href="#">Justification for Sole Source Request</a>
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C: Deborah Dobrott, Purchasing Supervisor