

CITY COUNCIL AGENDA ITEM
CITY OF SHORELINE, WASHINGTON

AGENDA TITLE:	Motion to Authorize the City Manager to Purchase a Street Sweeper and a Backhoe Loader for the City's Fleet Program		
DEPARTMENT:	Administrative Services Department		
PRESENTED BY:	Patti Rader, Interim Administrative Services Director		
ACTION:	<input type="checkbox"/> Ordinance	<input type="checkbox"/> Resolution	<input checked="" type="checkbox"/> Motion
	<input type="checkbox"/> Discussion	<input type="checkbox"/> Public Hearing	

PROBLEM/ISSUE STATEMENT:

The City's Fleet Program contains some vehicles and equipment used by City crews to perform street improvement services for the community. Two pieces of equipment, a street sweeper and backhoe loader, have reached the end of their life cycles and now require extensive maintenance and repairs.

Staff is requesting City Council authorization to purchase a new 2015 Elgin Crosswind Street Sweeper and a new 2014 Caterpillar 420F Backhoe Loader for the City's Fleet Program. The total purchase amount for both the street sweeper and the backhoe totals \$356,254. This equipment was approved for replacement in the 2015 Budget and funded from the Equipment Replacement Fund. The City's purchasing policies require City Council authorization for equipment purchases in excess of \$100,000.

RESOURCE/FINANCIAL IMPACT:

The price for the new 2015 Elgin Crosswind Street Sweeper with upgraded accessories is \$249,175. The 2015 Budget totals \$251,658. The price for a new 2014 Caterpillar 420F Backhoe Loader is \$107,079. This price also includes a trade in value of \$21,375. The 2015 Budget totals \$126,689. The remaining budget balance of \$19,610 will be used for the future purchase and fabrication of a new asphalt patching machine.

The total cost to purchase the street sweeper and the backhoe totals \$356,254. The 2015 Equipment Replacement Fund includes authorized budget funding to purchase both the street sweeper and the backhoe loader.

RECOMMENDATION

Staff recommends that Council authorize the City Manager to approve purchase orders for a new 2015 Elgin Crosswind Street Sweeper from Owen Equipment Company in the amount of \$249,175 and a new 2014 Caterpillar 420F Backhoe Loader from NC Machinery in the amount of \$107,079.

Approved By: City Manager **DT** City Attorney **MK**

BACKGROUND

The City's Fleet Program contains some vehicles and equipment used by City crews to perform street improvement services for the community. This report includes the replacement of a street sweeper and backhoe loader that have reached the end of their life cycles and now require extensive maintenance and repairs. Instead of continuing to maintain and repair these pieces of equipment, the Council approved them for replacement in the 2015 Budget.

The street sweeper is used to sweep debris such as leaves, dirt, sand, and other material from City streets. The sweeper also supports the surface water program by preventing and removing contaminated debris, silt and other material from entering drainage waterways. The current street sweeping program was also developed to meet the City's National Pollutant Discharge Elimination System (NPDES) permit. The City is required to perform best practices that remove debris and other pollutants prior to discharging into local waters.

The backhoe is a key piece of fleet equipment that is used extensively to perform street excavation work, load materials and supplies on to trucks, and relocate heavy items. The backhoe is also used to load salt onto sanders during the snow season.

DISCUSSION

The Central Services Division has been working with City fleet users to identify the best fleet replacement options for them. These considerations have included researching and organizing equipment demonstrations with equipment vendors and Street Division crews. Based on this due diligence the following equipment is recommended for purchase:

2015 Elgin Crosswind Street Sweeper

The 2015 Elgin Crosswind Sweeper would replace an existing 2007 Sweeper that has reached the end of its operating life cycle and is requiring extensive maintenance and repairs. It is estimated that the current street sweeper, if not replaced, may need as much as \$30,000 in maintenance sometime in 2015 to keep it operational.

The 2015 Elgin Crosswind Sweeper has upgraded accessories that increase its efficiency and longevity. These accessories includes a lifetime liner inside the hopper box, a shared power system that meets current emissions requirements and provides better mileage, and a new water system that requires less water to effectively vacuum smaller material particles found in the street. This new street sweeper also meets the current Environmental Protection Agency (EPA) requirements.

The price for the new sweeper with the upgraded accessories is \$249,175. Staff received the price quote from Owen Equipment Company located in Kent, Washington which is an approved equipment contract company with the State of Washington Department of Enterprise Services.

2014 Caterpillar 420F Backhoe Loader

The new 2014 Caterpillar 420F Backhoe Loader replaces an almost fifteen year old backhoe that is no longer safe to operate. The new backhoe includes upgrades such as a hoe pack, thumb control and a hydraulic system that are necessary for safety and efficiency reasons. For example, the backhoe is used to open up the road to perform repairs. Without the hoe pack, a crew member must enter the hole and manually tamper down the aggregate or soil in twelve inch sections. The hoe pack is an accessory that provides safety by compacting the aggregate in the hole, therefore eliminating the need for a crewmember to enter the hole.

The thumb control provides control when moving large items in the bucket, such as sidewalk panels. The current backhoe requires the operator to balance these large items on the lip of the bucket while moving them across the worksite and into the dump truck. The new thumb control allows less experienced operators to safely move materials around the worksite, reducing risks of injury to other workers and damage to equipment.

The 4/1 bucket pin allows for the quick connection of the buckets. This is important to reduce the manual labor needed to attach and disconnect the buckets and accessories. This will be safer for staff and results in a single operator being able to attach and detach buckets therefore improving efficiency.

Staff received the price quote from NC Machinery located in Tukwila, Washington which is an approved equipment contract company with the State of Washington Department of Enterprise Services.

RESOURCE/FINANCIAL IMPACT

The price for the new 2015 Elgin Crosswind Street Sweeper with upgraded accessories is \$249,175. The price includes a trade in value of \$20,000 for the City's existing street sweeper. The 2015 Budget totals \$251,658.

The price for a new 2014 Caterpillar 420F Backhoe Loader is \$107,079. This price also includes a trade in value of \$21,375. The 2015 Budget totals \$126,689. The remaining budget balance of \$19,610 will be used for the purchase and fabrication of a new asphalt patching machine.

The total cost to purchase the street sweeper and the backhoe is \$356,254. The 2015 Equipment Replacement Fund includes authorized budget funding to purchase both.

RECOMMENDATION

Staff recommends that Council authorize the City Manager to approve purchase orders for a new 2015 Elgin Crosswind Street Sweeper from Owen Equipment Company in the amount of \$249,175 and a new 2014 Caterpillar 420F Backhoe Loader from NC Machinery in the amount of \$107,079.