

AGENDA



Thursday, August 30, 2007

**Purchasing Office
RECOMMENDATION FOR COUNCIL ACTION****Item No. 65**

Subject: Authorize award and execution of two contracts through the Texas Local Government Purchasing Cooperative (BuyBoard) with EQUIPMENT SOUTHWEST, Irving, TX, for the purchase of one side-loading recycling collection body in an amount not to exceed \$92,110.99; and LONGHORN INTERNATIONAL TRUCKS, LTD, Austin, TX for the purchase of one truck cab & chassis in an amount not to exceed \$119,245.

Amount and Source of Funding: Funding is available in the Fiscal Year 2006-2007 Capital Budget of the Solid Waste Services Department.

Fiscal Note: Purchasing Cooperative.

For More Information: Ron Mazzarella, Fleet Buyer/974-2837

MBE/WBE: This contract will be awarded in compliance with Chapter 2-9D of the City Code (Minority-Owned and Women-Owned Business Enterprise Procurement Program). This contract is a Cooperative Purchase; therefore, it is exempted under Chapter 252.022 of the Texas Local Government Code and no goals were established for this solicitation.

These two contracts are for the purchase of one 33 cubic yard recycling collection body manufactured by Labrie Equipment, Ltd., Quebec, Canada, and one 60,000 pound Gross Vehicle Weight Rating (GVWR) cab and chassis manufactured by Crane Carrier Company, Tulsa, Oklahoma. The body will be mounted onto the cab & chassis to form a recycling collection truck that will be assigned to the Recycling Collection Division of the Solid Waste Services Department (SWS) to collect residential curbside recycling material.

The dual drive truck chassis is capable of being steered from either side of the truck cab. A single operator uses the left side when traveling in traffic to and from the neighborhood being collected. During collection activities, operators can drive the truck from either side to gain optimum visibility around parked vehicles and other obstructions. The collection body is equipped with a manual side loading area which is split into a 60%/40% configuration for material separation. Paper generally consumes the majority of the space and is placed into the 60% side. Co-mingled material such as glass, steel/tin, aluminum, and plastics are placed into the 40% side. Both body compartments have compaction capability, which increases the volume of material that can be collected before dumping is required.

When the body compartments are full, the truck is driven to the City's Material Recovery Facility (MRF) located at 3810 Todd Lane. The compartments are emptied by hydraulically raising the bed, opening one chute at a time, and allowing gravity to remove the collected material. The paper is dumped into a large trailer parked in an indoor pit, and the co-mingled materials are dumped outside onto a paved area near the sorting equipment. The paper is hauled away in bulk, the aluminum, steel/tin, and plastics are baled, and the glass is pulverized prior to shipment for processing.

This vehicle is equipped with a diesel powered engine. The City of Austin currently uses TXLed diesel fuel approved by the Texas Commission for Environmental Quality (TCEQ). TXLed consists of the EPA compliant ULSD (ultra low sulfur diesel) and the Oryxe additive. EPA compliant diesel fuel treated with ORYXE LED was tested at the internationally-recognized West Virginia University National Research

Center for Alternative Fuels, Engines and Emissions, which found the following significant reductions in emissions of carbon monoxide, oxides of nitrogen and total hydrocarbons compared to untreated EPA compliant diesel. Fleet is currently exploring the use of B20 (bio diesel) with particular focus on investigating its impact on reducing Carbon Dioxide (data limited) and NOx, as well as the impact on engine components.

This vehicle meets the EPA's 2007-2010 emissions standards. The overall emission reductions when using the aforementioned TXLed are as follows:

CO- 100% Reduction
NOx- 38% Reduction
PM- 97% Reduction
CO2- No data available

This recycling collection truck is replacing a 1999 model that has been wrecked.

Both vendors are under contract with BuyBoard to supply various types of trucks and equipment statewide as a result of a competitive bidding process. Utilizing BuyBoard contracts provides for volume discount pricing as well as the earliest opportunity to get the City's equipment on order.