

Memorandum



CITY OF DALLAS

DATE November 26, 2014

TO Members of the Budget, Finance & Audit Committee: Jerry R. Allen (Chair),
Jennifer Staubach Gates (Vice-Chair), Tennell Atkins, Sheffie Kadane, Philip T. Kingston

SUBJECT Upcoming Agenda Item: Radio Frequency Identification System for McCommas Bluff Landfill

The December 10, 2014 Council Agenda includes an item to authorize a 36-month master agreement for the purchase and installation of a Radio Frequency Identification system (RFID) for McCommas Bluff Landfill with Nicol Scales and Measurement in an amount not to exceed \$306,010 financed with Current Funds subject to annual appropriations.

The majority of landfill commercial credit customers use a self-entry kiosk to process their landfill transactions. These kiosks require the manual entry of vehicle identification information which is subject to error. Vehicle identification numbers are important because they link transactions to a specific company, truck and truck weight. Incorrect entries can lead to inaccurate billing and tonnage information, which can cause either over or under-billing and incorrect reporting of the volume of waste processed (as was noted in a 2012 select audit of the landfill financial controls). Currently, Sanitation Services utilizes supplemental scale house staff to monitor approximately 96% of transactions daily and correct any entry errors identified.

This contract will allow the implementation of an RFID system that will further automate the self-entry kiosk by eliminating the need for drivers to enter truck identification numbers. This system will utilize RFID readers and RFID vehicle tags for vehicle identification (similar to a toll tag). With this solution, the vehicle information will automatically be recorded into the existing landfill waste tracking and billing system. As vehicles enter the landfill, RFID readers will read the RFID tag on the vehicle and the system will automatically identify the vehicle, the company associated with the vehicle and the vehicles stored tare weight (if applicable). Vehicles without stored tare weights will weigh in and weigh out to obtain the weight of the waste. This new system will allow weigh in and out transactions to be provided quickly and accurately. With the implementation of this system temporary scale house staff utilized for vehicle monitoring can be phased out.

Please contact me if you have any questions.

Jill Jordan, P.E.
Assistant City Manager

c: Honorable Mayor and Members of the City Council
A.C. Gonzalez, City Manager
Warren M.S. Ernst, City Attorney
Craig D. Kinton, City Auditor
Rosa A. Rios, City Secretary
Daniel F. Solis, Administrative Judge
Ryan S. Evans, First Assistant City Manager
Eric D. Campbell, Assistant City Manager

Mark McDaniel, Assistant City Manager
Joey Zapata, Assistant City Manager
Jeanne Chipperfield, Chief Financial Officer
Sana Syed, Public Information Officer
Elsa Cantu, Assistant to the City Manager – Mayor & Council
William Finch, CIO/Director Communications & Information Systems
Kelly High, Director Sanitation Services