



Memo

TO: Committee of the Whole
FROM: Ed Andrews, Public Works Director
DATE: July 7, 2017
SUBJECT: Vacuum Truck

Through discussions during the budgeting session for this fiscal year, the replacement of the City's 2008 dual-engine Vactor truck was discussed. It is under a 10-year replacement schedule replacement, advanced by two years to allow for upgrade to tandem unit with additional capacity. This units serves as frontline for not only jetting sewers but also hydro excavating, potholing for critical JULIE locates and other UG infrastructure.

The current budgeted amount of the upgrade is \$400,000, was forecasted with a minimum trade-in of \$77,500 and an accrued MERF replacement budget of \$287,900 leaving a nominal outlay to be split by 75%-12.5%-12.5% (Sewer-Streets-Water) depending on the option selected.

Vactor and Vac-Con demonstrated their units to the City in mid-May and also a follow up demonstration by Vactor with a two stage fan, all under various real-world situations directed by staff, i.e. a lift-station drawdown and hydro exaction. Staff's concerns with Vactor's move to a single engine chassis power was addressed by Vactor's follow up offer on June 19th to build a dual engine unit. This helped to reduced previous concerns with a single engine - chassis only powered. As such, the dual engine options quoted by both manufacturers are provided below:

Manufacturer & Model	Vendor	Price	Trade	Total
Vactor 2100+ (2 Engine, Dual Diesel Tier IV Chassis & Tier III Body)	COE	\$367,610	\$ 90,000	\$281,210
Vac-Con 1500LXHP (2 Engine Powered, Diesel Chassis & Gas Body Engine)	EJ Equipment	\$393,374	\$100,000	\$293,374
Vac-Con 1500LXHP (2 Engine Powered, Dual Diesel Tier IV Chassis and Body)	EJ Equipment	\$408,797	\$100,000	\$308,797

Manufacturer	Manufacturing Location	Fan Style
Vactor	Streator, IL	2 Stage Large Dia
Vac-Con	Green Cove Springs, FL	3 Stage Smaller Dia

This matter has also been placed on the Committee of the Whole agenda of Monday, July 13th, 2017 for review and discussion before consideration of advancing to full Council.

cc: File