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Department of Utilities
Wastewater Treatment Plant
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To: Chairperson Joe Martin and Members of the Utilities Committee

From: Utilities Director Chris Shaw

cc: Enterprise Fund Accounting Manager Kelli Rindt

Date: December 3, 2014

Re: *Award Purchase of a Towable Generator to Total Energy Systems, LLC in the amount of \$35,865*

BACKGROUND:

The wastewater treatment plant relies on gravity and sewage lift stations to convey wastewater to the wastewater plant. The lift stations are only used in circumstances where gravity conveyance is not possible. The City has 13 sewage lift stations that vary in size and ability to hold sewage. Power to these facilities is crucial to maintain transport of incoming sewage. Without power the stations fill and eventually back up sewers and enter low lying laterals (e.g., residents' homes).

Of the current thirteen lift stations, three have on-site power generators. The remaining ten rely on two portable generators. Current procedures call for monitoring of the lift station with available portable power to be deployed in rotation to the most critical locations.

Powering these facilities has exposed the facility to greater risk as the collection system has aged over time. Additionally, there exists a regulatory requirement to have one portable generator for every three lift stations. It is for these reasons that an additional generator is being requested.

SPECIFICATIONS:

Wastewater staff created specifications for the portable generator. Some of the minimum requirements include:

- diesel fueled engine
- 250 amps/600 volt generation/60 hertz
- 120/208 VAC and 277/480VAC, 3 Phase
- exhaust silencing system
- 24 hour runtime fuel tank capacity
- double axle trailer with towing package
- 4 wheel electric brakes
- sound attenuated weather housing

PROPOSALS:

On November 24, the wastewater staff reviewed vendor quotes for portable generators meeting the aforementioned specifications. All three companies were capable of meeting the City's generator requirements. The following table identifies the vendors' quotes:

Company	Quote
Total Energy Systems, LLC	\$35,865
Cummins NPower, LLC	\$51,950
Millbank	\$39,570

The quote received from Total Energy Systems, LLC was the least cost quote at \$35,865.

RECOMMENDATION:

I am requesting the purchase of a Towable Generator to Total Energy Systems, LLC in the amount of \$35,865.

If you have any questions or require additional information regarding this request or project please contact Chris Shaw at 920-832-5945.