

GENERAL

Ordinance Fact Sheet

200177

Ordinance Number

Brief Title	Approval Deadline	Reason
Execute a Professional Services Agreement with the Metropolitan Energy Center, facilitating replacement and scrappage of CNG Vehicles.		

Details

Reason for Legislation

Estimating and appropriating revenue in the amount of \$28,980 in the Water Working Capital Fund and \$202,860 in the Sewer Working Capital Fund; authorizing the Director of General Services to execute a Professional Services Agreement regarding a Replace and Scrap grant with the Metropolitan Energy Center, Inc. (MEC); designating requisitioning authority and authorizing contract amendments; and recognizing an accelerated effective date.

Discussion

The Project proposes to replace approximately 8 diesel heavy-trucks within the Water and Sewer Departments. All of the units targeted for replacement are out of lifecycle and are the vehicles and equipment in poorest shape and/or incurring the most repair expense and causing the most work-loss due to downtime. The Project will improve the productivity and efficiency of the operating departments and reduce their operating overhead due to incurring fewer repairs, less equipment downtime and reduction in in conventional fuel consumption. As a consequence, we would make additional gains in Carbon reduction and incremental air-quality improvements.

It is required the engine in the truck being replaced will be rendered permanently disabled within (60) days of the new CNG powered replacement truck being placed in service.

Positions/Recommendations

Sponsor	
Programs, Departments, or Groups Affected	Water and Sewer
Applicants / Proponents	Applicant General Services City Department General Services Other
Opponents	Groups or Individuals Basis of opposition
Staff Recommend	<input type="checkbox"/> For <input type="checkbox"/> Against Reason Against
Board or Commission Recommend	By N/A <input type="checkbox"/> For <input type="checkbox"/> Against <input type="checkbox"/> No action taken <input type="checkbox"/> For, with revisions or conditions (see details column for conditions)
Council Committee Actions	<input type="checkbox"/> Do pass <input type="checkbox"/> Do pass (as amended) <input type="checkbox"/> Committee Sub. <input type="checkbox"/> Without Recommendation <input type="checkbox"/> Hold <input type="checkbox"/> Do not pass

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Details**Is It Good For The Children?**

Yes. All of the replacement trucks are older diesel powered. Eliminating the older diesel powered units from our inventory and replacing them with CNG Trucks markedly reduces our Fleet's carbon, particulate and NOx pollutant output.

Nearly 100% of natural gas comes from North America and according to the U.S. Dept. of Energy, commercially available heavy duty natural gas engines have demonstrated over 90% reductions of carbon monoxide (CO) and particulate matter and more than 50% reduction in nitrogen oxides (NOx) relative to commercial diesel engines.

How will this contribute to a sustainable Kansas City?

This project will replace approximately 8 diesel units with CNG. The CNG trucks are much cleaner and cheaper to run than the existing diesel trucks. The heavy-duty diesel units being replaced average 2-4 MPG. This change will reduce both our fuel expense and carbon footprint. This supports our ongoing plan to optimize our inventory to reduce operating costs and pollutants, and so improves both our fiscal and environmental sustainability.

Policy/Program Impact

Policy or Program Change	<input type="checkbox"/> No <input type="checkbox"/> Yes
Operational Impact Assessment	

Finances

Cost & Revenue Projections -- Including Indirect Costs	20-8020-800000-476405 \$ 28,980.00 20-8120-800000-476405 \$ 202,860.00
Financial Impact	The City of Kansas City Missouri agrees to spend an estimated \$815,028 and will receive \$231,840 in reimbursable funding for the Replace and Scrap program
Fund Source (s) & Appropriation Account Codes	20-8020-801900-E \$ 215,121.00 20-8120-801900-E \$ 599,907.00

Fact Sheet Prepared by:

Jodi Frisbie

Date:

2.10.2020

Reviewed by:**Date:****Reference Numbers**