

GENERAL

Ordinance Fact Sheet

Ordinance Number

Brief Title	Approval Deadline
Authorizing the acceptance of a \$326,342.73 grant from the Assistance to Firefighters Grant (AFG)	

Details

<p>Reason for Legislation</p> <p>Authorizing the acceptance of a \$326,342.73 grant from the United States Department of Homeland Security AFG program, and include a City match of \$32,634.27, or 10 percent of the Federal contribution bringing the total cost of Federal and Non-federal funding to \$358,977.00; estimating revenue in the amount of \$326,342.73 in the General Grants Fund; appropriating \$326,342.73 to the Assistance to Firefighters Grant (AFG) account in the General Grants Fund; appropriating \$32,634.27 from the Unappropriated Fund Balance of the Fire Sales Tax Fund for the City's match to the AFG grant program; designating requisitioning authority; and recognizing this ordinance as having an accelerated effective date.</p>
<p>Discussion</p> <p>NFPA 1500, among other industry standards, recognizes the highly carcinogenic nature of engine exhaust fumes and mandates that departments both prevent exposure of firefighters to exhaust products and prevent contamination of sleeping and living quarters. NFPA echoes NIOSH and OSHA recommendations that exhaust emissions be reduced to the lowest levels attainable. The most efficacious and cost efficient mechanism to accomplish this utilizes direct source capture technology. These systems attach directly to exhaust vents and carry emissions through enclosed tubing and filtration systems before expelling them to the station exterior. Contemporary systems utilize wireless technology to enhance coupling, functioning, and disengagement, improving both efficiency and efficacy of collection and extraction. KCFD installed early generation direct capture systems in all its stations beginning in 2003. These utilized manual pneumatic coupling, now replaced by more automated and precise magnetic coupling technology. Collection and movement of emitted fumes required compressors systems, which have proved increasingly subject to failure and now require replacement (newer technology is not compressor dependent). Accordingly, the cost of operating and maintaining our systems has escalated in recent years , even as its reliability and performance have deteriorated. Systematic review of current equipment and its repair record established that replacement is several years overdue while research on current technology options revealed that we could greatly enhance durability and performance while limiting cost requirements by utilizing existing track and rail systems to carry current generation equipment and technology. This proposal requests funding to support acquisition and installation of current generation direct capture exhaust collection systems at all 33 KCFD station locations to accommodate all fleet vehicles (ambulance, pumper, truck, rescue, and specialty apparatus) housed therein, plus vehicle coupling connections for all front line and reserve vehicles to ensure complete capacity to regulate exposure to exhaust borne compounds.</p>

Reason

Positions/Recommendations

Sponsor	Fire Department
Programs, Departments, or Groups Affected	Fire Department
Applicants / Proponents	<p>Applicant</p> <p>City Department Fire Department</p> <p>Other</p>
Opponents	<p>Groups or Individuals</p> <p>None Known</p> <p>Basis of opposition</p>
Staff Recommendation	<p><input checked="" type="checkbox"/> For</p> <p><input type="checkbox"/> Against</p> <p>Reason Against</p>
Board or Commission Recommendation	<p>By</p> <p><input type="checkbox"/> For <input type="checkbox"/> Against <input type="checkbox"/> No action taken</p> <p><input type="checkbox"/> For, with revisions or conditions (see details column for conditions)</p>
Council Committee Actions	<p><input type="checkbox"/> Do pass</p> <p><input type="checkbox"/> Do pass (as amended)</p> <p><input type="checkbox"/> Committee Sub.</p> <p><input type="checkbox"/> Without Recommendation</p> <p><input type="checkbox"/> Hold</p> <p><input type="checkbox"/> Do not pass</p>

(Continued on reverse side)

Details

The following is the breakdown of the associated cost :

Installation of equipment in all KCFD stations and Eastwood facilities

TOTAL = \$358,977.00

The amount of the award is broken out below to include Federal Share plus match:

Personnel	\$0.00
Fringe Benefits	\$0.00
Travel	\$0.00
Equipment	\$317,217.00
Supplies	\$0.00
Contractual	\$23,760.00
Construction	\$0.00
Other	\$18,000.00
<u>Indirect Charges</u>	<u>\$0.00</u>
Federal Funds	\$326,342.73
City Funds	\$32,634.27
Total	\$358,977.00

Is it good for the children? Yes

How will this contribute to a sustainable Kansas City? Will enhance safety for the citizens of Kansas City and protect the health and safety of the firefighting personnel against the hazards of vehicle exhaust within living/work quarters within the stations

Policy/Program Impact

Policy or Program Change	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Operational Impact Assessment	Reduce the hazards of vehicle exhaust within living/work quarters within the stations.

Finances

Cost & Revenue Projections	\$326,342.73 realized through grant reimbursements; \$32,634.27 from Fire Sales Tax Fund.
Fund Sources	21-2580-230001-478394-G23201904653-\$326,243.73 21-2580-235006-E-G23201904653-\$317,217.00 21-2580-235006-B-G23201904653-\$9,125.73 21-2580-235006-B-G23201904653-\$32,634.27

Applicable Dates: 27-Jul-20 to 26-Jul-21

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Reference Numbers