



City of _____
Department of Public Safety
2005 Project Narrative

The _____ Public Safety Department is applying for funds under the Assistance for Firefighters Grant Program 2005. We would like to thank you for expanding the scope of the Grant Program to allow for our request.

Please describe in full the project you are requesting to be funded.

The project entails modification of our existing fire apparatus garage with the addition of an Exhaust Extraction System. Our garage is _____ and houses _____.

All have diesel engines. Our SCBA fill station is also located in the garage. The apparatus garage was constructed as part of the Public Safety Department expansion on the _____ City Offices _____. The garage has a pedestrian entrance from the employee parking lot, and has two entrance doors leading from the garage to Public Safety wing of the building. This wing houses the Public Safety Department, Building Department, Absentee Voter and the Records Department. _____ With the addition of an Exhaust Extraction System, our goal is to provide the employees of _____ with a safe and healthy working environment.

Each of the four vehicle positions will be equipped with single hose drop, connected to the ventilation fan. The hose drop will attach to the vehicle at the waist length to keep the operator clear of the exhaust when attaching the nozzle. As the vehicle leaves the bay, the hose will follow the overhead track and be released by an electromagnet. The hose then slides from the tailpipe and is pulled out of the way. The hose will remain close to the bay door for ease of re-attachment upon return of the vehicle. The exhaust fan will be automatically started from the emergency dispatch prior to the vehicle being started. Upon return the vehicle will send a signal activating the fan so that at no time will a vehicle be running inside the garage without the fan in operation.

Please provide a detailed description of the planned use of the funds.

The package for installation of the Exhaust Extraction System contains the following components as quoted by Nederman, Inc:

- (4) 30' MagnaTrack Exhaust Extraction Systems with HB Nozzles.
- (1) Nederman Auto- Start System
- (1) 5hp / 1ph /230V Exhaust Fan
- (1) Tail pipe retrofits
- (1) Year Warranty
- (1) Freight



Total price with installation is _____ Our share is _____ We are requesting in grant money.

Please Explain why this program would be beneficial to your community and/or department.

Diesel exhaust emissions contain toxic and carcinogenic pollutants. These pollutants are both gaseous and particulate. The particulates make up 90% of the emissions and they can be inhaled. According to MIOSHA and NIOSH these pollutants can be responsible for headaches, dizziness, eye irritation and cancer. NFPA 1500 mandates ventilation of exhaust emissions, as does the International Mechanical Code. MIOSHA and NIOSH also have recommendations regarding the reduction of exhaust by products.

The pedestrian door to the apparatus garage is used as an employee entrance for _____ sworn and civilian employees, who pass through the garage on the way to their jobs. The west door from the garage opens into the kitchen and eating area, followed by the Briefing room and the Building and Records Department. Basement stairs lead to the Absentee Voter Offices and Traffic Safety. The east door opens into a hallway containing the Detective Bureau, the prisoner holding cells and the Administrative Offices. Diesel fumes travel to this area. The Public Safety Building is connected to the City Hall Offices as an addition, and as such shares a common HVAC system which could potentially draw diesel fumes to those offices, exposing an additional _____ employees, as well as our community center and municipal court. We also tour many citizens and school youth groups through the garage as part of our Fire Safety education program.

This program would provide immediate health benefits to _____ city employees as well as countless citizens who have an opportunity to visit our facilities.

Please explain why this project cannot be funded solely through local funding.

Our current budget does not allow for a project of the magnitude to be wholly funded by the city. As a Public Safety Department, we are required to divide our budget between Police, Fire and EMS divisions. The majority of this budget goes towards the Police services. At this time, any available City funding for this Department must be directed towards a major renovation _____ also for health and safety reason. We are grateful for the opportunity to apply for funding of this important health safety improvement, which will benefit not only our Public Safety Department, but also the health of all City employees.