Fuel Management
(P361112)

Category	General Government	Date Last Modified	01/22/18
SubCategory	Other General Government	Administering Agency	General Services
Planning Area	Countywide	Status	Planning Stage

EXPENDITURE SCHEDULE ($000s)

Cost Elements	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	52	-	52	-	-	-	-	-	-	-	-
Site Improvements and Utilities	4,065	4,065	-	-	-	-	-	-	-	-	-
Construction	214	-	214	-	-	-	-	-	-	-	-
Other	140	105	35	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	4,471	4,170	301	-	-	-	-	-	-	-	-

FUNDING SCHEDULE ($000s)

Funding Source	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Short-Term Financing	4,471	4,170	301	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	4,471	4,170	301	-	-	-	-	-	-	-	-

APPROPRIATION AND EXPENDITURE DATA ($000s)

Appropriation FY 19 Request	-	Year First Appropriation	FY11
Appropriation FY 20 Request	-	Last FY's Cost Estimate	4,471
Cumulative Appropriation	4,471		
Expenditure / Encumbrances	4,260		
Unencumbered Balance	211		

PROJECT DESCRIPTION

This is a two-phase project implementing a broad, Countywide enterprise fuel management system. This project provides for a fuel dispensing, tank monitoring, and fuel management system for County and volunteer fire stations in the first phase; and the fuel sites operated by the Department of General Services (DGS) in the second phase. After installation of the system, all County vehicles will be capable of sharing fuel infrastructure while maintaining fuel security. Currently both Montgomery County Public Schools and Maryland-National Capital Park and Planning Commission utilize this fuel management technology. Once fully implemented, it is estimated that a fuel management system will create savings due to fuel loss control, more efficient scheduling, identification of potential maintenance problems before the problems occur, and less driver time. In addition, there can be additional cost savings if the fuel is purchased through one vendor once the system is fully implemented.

CAPACITY

The system will provide for approximately 3,600 vehicles at 30 sites.

ESTIMATED SCHEDULE

In FY12 and FY13, the fuel management and tank monitoring system was installed on the majority of the fire station fuel sites and vehicles. In FY18, the system will be installed on remaining fire service sites, County fuel sites and vehicles. Project delayed due to access restrictions to volunteer fire station fuel sites.

PROJECT JUSTIFICATION

The project will replace an aging fuel management system that is no longer able to reliably extract useful fleet data from newer vehicles due to changes in technology. Additionally, the old system is no longer supported by the manufacturer, and used parts to keep the system operational are difficult to obtain. In April 2004, the Montgomery County Fire and Rescue Service (MCFRS) Apparatus Management Plan was accepted by the County Council and, within that plan, fuel management was identified as a fleet management best practice. A fuel monitoring and distribution system and a fuel tanker are also identified under Section 5 of the MCFRS Master Plan (Apparatus and Equipment and Environmentally-Compatible Facilities and Equipment), adopted by the County Council in October 2005. A MCFRS fleet fueling report was prepared by Mercury Associates, Inc. in October 2008. The Department of Technology Services reviewed the project in September 2009. Finally, while many of the fire rescue stations have fueling sites, only apparatus assigned to those stations can obtain fuel. After installation of the system, all fire apparatus will be able to fuel at any fire station-based fuel site.

OTHER

The expenditures reflect a turnkey project to install fuel dispensing and monitoring equipment at each fuel site and to install fuel rings.

COORDINATION

Department of General Services, Montgomery County Fire and Rescue Service, Department of Technology Services, Local Volunteer Fire and Rescue Departments, Montgomery County Public Schools, Maryland-National Capital Park and Planning Commission, Montgomery College