



Network Infrastructure and Server Operations (P076619)

Category	Montgomery College	Date Last Modified	12/26/25
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY25	Est FY26	Total 6 Years	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Beyond 6 Years
Planning, Design and Supervision	9,669	8,673	996	-	-	-	-	-	-	-	-
Construction	1,899	1,899	-	-	-	-	-	-	-	-	-
Other	60,549	31,819	4,130	24,600	4,100	4,100	4,100	4,100	4,100	4,100	-
TOTAL EXPENDITURES	72,117	42,391	5,126	24,600	4,100	4,100	4,100	4,100	4,100	4,100	-

FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY25	Est FY26	Total 6 Years	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Beyond 6 Years
Contributions	600	300	300	-	-	-	-	-	-	-	-
Current Revenue: General	70,097	40,671	4,826	24,600	4,100	4,100	4,100	4,100	4,100	4,100	-
Recordation Tax	1,420	1,420	-	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	72,117	42,391	5,126	24,600	4,100	4,100	4,100	4,100	4,100	4,100	-

OPERATING BUDGET IMPACT (\$000s)

Impact Type	Total 6 Years	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
FULL TIME EQUIVALENT (FTE)		6	6	6	6	6	6

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 27 Request	4,100	Year First Appropriation	FY07
Appropriation FY 28 Request	4,100	Last FY's Cost Estimate	63,917
Cumulative Appropriation	47,517		
Expenditure / Encumbrances	43,585		
Unencumbered Balance	3,932		

PROJECT DESCRIPTION

This project supports the ongoing installation and maintenance of the information technology (IT) network infrastructure throughout all Montgomery College facilities, as well as on-premise server operations for applications not suitable for cloud computing. The network-related infrastructure includes cable distribution systems (conduit, fiber optics, wiring); equipment such as routers, switches, wireless access points, firewalls, intrusion detection and prevention devices; network management systems, specialized technology tools, monitoring systems, and diagnostic equipment; and remote access technologies. Also included are telephone systems, emergency

notification systems, building management systems, and video security systems.

The scope of the project includes the associated electrical, environmental, and backup systems needed to ensure the reliable operation of all equipment. On-premise server operations are supported through the maintenance of a primary data center on the Takoma Park/Silver Spring (TP/SS) campus, and a backup data center on the Rockville campus. Associated with the TP/SS data center is the College's Network Operating Center (NOC), where staff maintain server and network equipment and provide 24/7 monitoring of all College IT systems and services to ensure proper functioning and performance. This includes instructional and administrative applications and all network and Internet-related services used in support of both credit and non-credit programs. This project funds six positions.

Note: The Network Operating Center/Datacenter project's (P076618) FY19 and beyond funding requests and work years have been added to this project. In addition, the project name has changed from Network Infrastructure Support Systems to Network Infrastructure and Server Operations.

COST CHANGE

Increase due to addition of FY31 and FY32 funding requests.

PROJECT JUSTIFICATION

The College networks used for all forms of data, voice, video, and machine communication must be maintained and upgraded continuously to ensure no College location is without the necessary technology capabilities and support. This requires planned replacement and upgrades as technology evolves. As faculty continue to develop more learning programs and methods to meet the increased expectations of students, the technology needs also evolve and change. Without meeting the expectations and requirements developed in the various College strategic and master planning documents, the College will fall behind in its ability to provide needed technology at the appropriate time. State-of-the-market hardware and software capabilities and cloud services are required to attract and serve students, faculty and staff, as well as to serve the business community by upgrading work force technology skills and providing a base for continued economic development in the county. Information technology directly enables the College's mission and is used to facilitate student success; to effectively and efficiently operate the College; and to support the College's growth, development, and community initiatives.

OTHER

FY27 Appropriation: \$4,100,000 Current Revenue. FY28 Appropriation: \$4,100,000 Current Revenue. The following fund transfers/reductions have occurred with this project: By County Council Resolution No. 16-1261, the cumulative appropriation was reduced by \$533,000 (Current Revenue: General) as part of the FY10 savings plan; \$800,000 to the Network Operating Center project (#P076618)(BOT Resol. #12-06-037,6/11/12). FY19 reduction of \$400,000 due to County affordability constraints.

DISCLOSURES

Expenditures will continue indefinitely.

COORDINATION

MC Strategic Plan, Academic Master Plan, Collegewide Facilities Master Plan (1/24), Information Technology Master Plan, Student Affairs Master Plan, and campus building renovation projects. Expenditures are made in alignment with the priorities and guidelines establish by these documents.