

Resolution No: 19-1278
Introduced: May 26, 2022
Adopted: May 26, 2022

**COUNTY COUNCIL
FOR MONTGOMERY COUNTY, MARYLAND**

By: County Council

SUBJECT: Approval of the FY 2023-2028 Capital Improvements Program, and Approval of and Appropriation for the FY 2023 Capital Budget of Montgomery College

Background

1. As required by the Education Article, Section 16-301 of the Maryland Code, the Montgomery College Board of Trustees sent to the County Executive and County Council an FY 2023 Capital Budget for Montgomery College. The Board also requested the FY 2023-2028 Capital Improvements Program (CIP).
2. Section 302 of the County Charter requires the Executive to send to the County Council by January 15 (or the next business day if it falls on a weekend/holiday) in each even-numbered calendar year a 6-year CIP, which the Executive did on January 18, 2022 for the 6-year period FY 2023-2028. Section 302 requires the affirmative vote of at least 5 Councilmembers to approve or modify the Executive's Recommended CIP. After the Council approves a CIP, Section 302 permits the Council to amend it at any time with the affirmative vote of at least 6 Councilmembers.
3. Section 303 of the Charter requires the Executive to send to the Council by January 15 (or the next business day if it falls on a weekend/holiday) in each year a recommended Capital Budget, which the Executive did on January 18, 2022 for FY 2023. The Executive also sent to the Council his recommendations on the FY 2023-2028 CIP.
4. As required by Section 304 of the Charter, the Council held public hearings on the Capital Budget for FY 2023 and the FY 2023-2028 CIP on February 8 and 9, 2022.

Action

The County Council for Montgomery County, Maryland approves the following resolution:

1. For FY 2023, the Council approves the Capital Budget for Montgomery College and appropriates the amounts by project, which are shown in Part I. The amounts reflected in the column labeled "FY 2023 Appropriation" represent the change in total appropriation for a specific project; the total appropriation as of FY 2023 is reflected in the column labeled "Total Appropriation". The expenditure of funds for each item in the Capital Budget must comply with all restrictions and requirements in the project description form for that item, as the form is contained in the Approved CIP as amended by the resolution, and as the CIP is amended by the Council under Charter Section 302 after this resolution is adopted.
2. The Council reappropriates the appropriations made in prior years for all capital projects:
 - a) except as specifically reflected elsewhere in this resolution;
 - b) in the amounts and for the purposes specified in the Approved CIP for FY 2023-2028; and
 - c) to the extent that those appropriations are not expended or encumbered.
3. The Council approves the projects for the Montgomery College FY 2023 Capital Budget and FY 2023-2028 Capital Improvements Program as attached in Part II.
4. The Council approves the close out of projects in Part III.
5. Any revenue which exceeds the amount estimated to be received from revenue sources other than County bonds must reduce the amount of bonds to be sold by the amount of the excess.
6. If a sign recognizing the contribution of any Federal, State, or local government or agency is displayed at any project for which funds are appropriated in this resolution, as a condition of spending those funds each sign must also expressly recognize the contribution of the County and the County's taxpayers.

This is a correct copy of Council action.



Judy Rupp,
Clerk of the Council

**PART I: FY23 Capital Budget for
Montgomery College**

The appropriations for FY23 in this Part are made to implement the projects in the Capital Improvements Program for FY23 - FY28.

Project Name (Project Number)	FY23 Appropriation	Cumulative Appropriation	Total Appropriation
ADA Compliance: College (P936660)	75,000	1,603,000	1,678,000
Capital Renewal: College (P096600)	1,000,000	22,446,000	23,446,000
Collegewide Central Plant and Distribution Systems (P662001)	1,937,000	2,975,000	4,912,000
Collegewide Library Renovations (P661901)	9,020,000	1,050,000	10,070,000
Collegewide Physical Education Renovations (P661602)	1,500,000	13,000,000	14,500,000
Elevator Modernization: College (P056608)	200,000	5,480,000	5,680,000
Energy Conservation: College (P816611)	300,000	5,918,000	6,218,000
Facility Planning: College (P886686)	270,000	7,357,000	7,627,000
Information Technology: College (P856509)	9,250,000	156,324,000	165,574,000
Instructional Furniture and Equipment: College (P096601)	270,000	3,720,000	3,990,000
Network Infrastructure and Server Operations (P076619)	4,100,000	31,117,000	35,217,000
Planned Lifecycle Asset Replacement: College (P926659)	4,000,000	63,133,000	67,133,000
Planning, Design and Construction (P906605)	1,900,000	34,850,000	36,750,000
Roof Replacement: College (P876664)	500,000	13,765,000	14,265,000
Site Improvements: College (P076601)	700,000	18,034,000	18,734,000
Student Learning Support Systems (P076617)	1,700,000	17,820,000	19,520,000
Takoma Park/Silver Spring Math and Science Center (P076607)	2,900,000	96,902,000	99,802,000
Total - Montgomery College	39,622,000	495,494,000	535,116,000

PART II: Approved Projects

The Council approves the projects for the Montgomery College FY 2023 Capital Budget and FY 2023-2028 Capital Improvements Program as attached in Part II.

Project Number	Project Name
P936660	ADA Compliance: College
P096600	Capital Renewal: College
P662001	Collegewide Central Plant and Distribution Systems
P661901	Collegewide Library Renovations
P661602	Collegewide Physical Education Renovations
P662301	East County Campus
P056608	Elevator Modernization: College
P816611	Energy Conservation: College
P886686	Facility Planning: College
P136600	Germantown Science & Applied Studies Phase 1-Renov
P076612	Germantown Student Services Center
P856509	Information Technology: College
P096601	Instructional Furniture and Equipment: College
P076619	Network Infrastructure and Server Operations
P926659	Planned Lifecycle Asset Replacement: College
P906605	Planning, Design and Construction
P076604	Rockville Student Services Center
P876664	Roof Replacement: College
P076601	Site Improvements: College
P076617	Student Learning Support Systems
P076607	Takoma Park/Silver Spring Math and Science Center



ADA Compliance: College

(P936660)

Category	Montgomery College	Date Last Modified	09/20/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	135	42	75	18	3	3	3	3	3	3	-
Site Improvements and Utilities	235	234	1	-	-	-	-	-	-	-	-
Construction	1,733	980	271	482	72	122	72	72	72	72	-
TOTAL EXPENDITURES	2,103	1,256	347	500	75	125	75	75	75	75	-

FUNDING SCHEDULE (\$000s)

G.O. Bonds	2,103	1,256	347	500	75	125	75	75	75	75	-
TOTAL FUNDING SOURCES	2,103	1,256	347	500	75	125	75	75	75	75	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 23 Request	75	Year First Appropriation	FY93
Appropriation FY 24 Request	125	Last FY's Cost Estimate	1,953
Cumulative Appropriation	1,603		
Expenditure / Encumbrances	1,303		
Unencumbered Balance	300		

PROJECT DESCRIPTION

This project provides funding for modifications to College facilities to comply with the accessibility provisions of the Americans with Disability Act (ADA) of 1990. Typical modifications include: paths of travel, entrance doors, stairs, corridors, ramps, toilet facilities, drinking fountains, parking, curb cuts, elevators, areas of refuge, public phones, signage, emergency notification and alarm systems, and other accessibility modifications to meet comfort, security, and safety requirements for people with disabilities. This project addresses access deficiencies in all College facilities. Project implementation is in accordance with ADA guidelines and the College's annual work program. The College has conducted a series of facility audits to determine ADA compliance and scope of required modification work, including estimated costs. Readily achievable modifications are implemented as part of the College's regular maintenance work.

LOCATION

Collegewide

COST CHANGE

Increase due to addition of FY27 and FY28.

PROJECT JUSTIFICATION

The ADA requirements mandate a comprehensive effort to provide accessible programs and barrier free facilities to disabled persons. The deadline for compliance with the requirement to make the College's programs accessible was January 26, 1995; however, the law allows for additional time to comply if available resources are limited for structural and building modifications. Based on the College's annual work program and available funding for ADA modifications, the College anticipates that the project will continue beyond the current six-year CIP. Relevant studies include the Montgomery College 2025 Strategic Plan, Collegewide Facilities Condition Assessment Update (12/13) and the Collegewide Facilities Master Plan Update (2/21).

OTHER

FY23 Appropriation: \$75,000 (G.O. Bonds). FY24 Appropriation: \$125,000 (G.O. Bonds). The following fund transfer has been made from this project: \$7,000 to Planning, Design & Construction project (No. P906605) (BOT Resol. #01-153 - 10/15/01).

DISCLOSURES

Expenditures will continue indefinitely.

COORDINATION

This project is coordinated with the scheduled building renovations, and the planned construction of new buildings, on the Rockville, Germantown and Takoma Park/Silver Spring Campuses.



Capital Renewal: College

(P096600)

Category	Montgomery College	Date Last Modified	01/08/22
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	5,486	1,867	1,819	1,800	300	300	300	300	300	300	-
Construction	27,772	13,152	3,920	10,700	700	3,200	1,700	1,700	1,700	1,700	-
Other	1,688	1,641	47	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	34,946	16,660	5,786	12,500	1,000	3,500	2,000	2,000	2,000	2,000	-

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	34,946	16,660	5,786	12,500	1,000	3,500	2,000	2,000	2,000	2,000	-
TOTAL FUNDING SOURCES	34,946	16,660	5,786	12,500	1,000	3,500	2,000	2,000	2,000	2,000	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 23 Request	1,000	Year First Appropriation	FY09
Appropriation FY 24 Request	3,500	Last FY's Cost Estimate	29,946
Cumulative Appropriation	22,446		
Expenditure / Encumbrances	17,463		
Unencumbered Balance	4,983		

PROJECT DESCRIPTION

This project provides funding for the capital renewal and major renovation of College facilities for new and changing College academic programs and student service operations. The major focus of this project is to support programmatic changes to College facilities and operations by allowing the College to continue an on-going building modernization effort where State aid is lacking. With this project, the College will selectively focus State aid requests on high cost projects utilizing these County funds to support an on-going renovation effort on each campus. In conjunction with programmatic improvements and modifications, this project will replace aging building systems, such as heating, air conditioning, electrical, plumbing, etc., provide furniture, fixtures, and equipment; and update facilities to current building codes and regulations.

LOCATION

Collegewide

COST CHANGE

Supplemental of \$1m in FY21 for an igniTe Innovation Hub on the Rockville Campus. Increase in six-year period due to addition of FY27 and FY28.

PROJECT JUSTIFICATION

Starting FY2009, the County approved funding several renovation projects from the Capital Renewal project. These renovation projects were less likely to receive funding from the State, and as a result five projects at that time were merged into the Capital Renewal project. In November 2007, the College updated a comprehensive building system/equipment assessment, including site utilities and improvements, that identified deficiencies, prioritized replacements and upgrades, and provides the framework for implementing a systematic capital renewal program to complement on-going preventive maintenance efforts. The College continues to have a significant backlog of major building systems and equipment renovations and/or replacements due to the age of the Campuses and deferral of major equipment replacement. Key components of the HVAC, mechanical and electrical systems are outdated, energy inefficient, and costly to continue to repair. The renovation and/or replacement of major building systems, building components and equipment, and site improvements will significantly extend the useful life of the College's buildings and correct safety and environmental problems. The Collegewide Facilities Condition Assessment identified a \$188 million deferred maintenance backlog for the three campuses. If additional financial resources are not directed at this problem, College facilities will continue to deteriorate leading to higher cost renovations or building replacements. Related studies include the Montgomery College 2025 Strategic Plan, Collegewide Facilities Condition Assessment Update (12/13), and Collegewide Facilities Master Plan Update (2/21), and Collegewide Utilities Master Plan (Pending 2021).

OTHER

FY23 Appropriation: \$1,000,000 (G.O. Bonds). FY24 Appropriation: \$3,500,000 (G.O. Bonds).

FISCAL NOTE

FY21 supplemental for \$1 million in GO Bonds.

DISCLOSURES

Expenditures will continue indefinitely.

COORDINATION

Energy Conservation: College (CIP No. P816611), Facility Planning: College (CIP No. P886686), Planned Lifecycle Asset Replacement: College (CIP No. P926659), Roof Replacement: College (CIP No. P876664), Site Improvements: College (CIP No. P076601)



Collegewide Central Plant and Distribution Systems (P662001)

Category	Montgomery College	Date Last Modified	05/23/22
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Preliminary Design Stage

Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
Planning, Design and Supervision	900	100	200	600	100	100	100	100	100	100	-
Construction	10,512	1,237	1,438	7,837	1,837	1,400	900	1,400	900	1,400	-
TOTAL EXPENDITURES	11,412	1,337	1,638	8,437	1,937	1,500	1,000	1,500	1,000	1,500	-

FUNDING SCHEDULE (\$000s)

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
G.O. Bonds	8,000	837	1,163	6,000	1,000	1,000	1,000	1,000	1,000	1,000	-
State Aid	3,412	500	475	2,437	937	500	-	500	-	500	-
TOTAL FUNDING SOURCES	11,412	1,337	1,638	8,437	1,937	1,500	1,000	1,500	1,000	1,500	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 23 Request	1,937	Year First Appropriation	FY20
Appropriation FY 24 Request	1,500	Last FY's Cost Estimate	7,975
Cumulative Appropriation	2,975		
Expenditure / Encumbrances	1,337		
Unencumbered Balance	1,638		

PROJECT DESCRIPTION

This project provides for the design and construction of new and renovation and expansion of existing central heating and cooling plants on the College's three campuses as recommended in the College's campus utilities master plan (12/12, and 2/13). The plan for a campus central plant, and distribution systems was included in the campus facilities master plan update (6/18). The project includes installation of boilers and chillers with associated equipment, the provision of natural gas service, and the construction of a hot water and chilled water distribution piping system to new and existing campus buildings.

COST CHANGE

Increase due to provision of \$937,000 in additional State Aid for projects within the PDF and the addition of FY27 and FY28.

PROJECT JUSTIFICATION

This project implements the recommendations of the campus utilities master plan (12/12, and 2/13) and campus facilities master plan update (6/18). The campus' existing heating and cooling equipment is typically 20-30 years old and beyond its useful economic life. Due to the age of the equipment and increasing maintenance problems and costs, each campus is experiencing a significant increase in mechanical system problems and heating/cooling outages. Based on a life cycle cost analysis, the installation of a central heating/cooling plant offers significant equipment replacement, energy and maintenance savings to the College. Collegewide Utilities Master Plan (Pending 2021), Montgomery College 2025 Strategic Plan, Collegewide Facilities Master Plan Update (6/18), VFA Facilities Condition Assessment (12/13).

OTHER

FY23 Appropriation: \$1,937,000; (\$1,000,000 (G.O. Bonds) and \$937,000 (State Aid)). FY24 Appropriation: \$1,500,000; (\$1,000,000 (G.O. Bonds), and \$500,000 (State Aid)). The need to provide new systems for heating and cooling campus buildings was articulated in the utilities master plan and satisfying this requirement is critical to new building construction and the planned renovation of the existing campus buildings.

DISCLOSURES

Montgomery College asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.



Collegewide Library Renovations (P661901)

Category	Montgomery College	Date Last Modified	05/23/22
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Planning Stage

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	4,946	-	1,050	3,896	-	2,292	1,604	-	-	-	-
Construction	25,706	-	-	25,706	2,016	6,036	15,654	2,000	-	-	-
Other	3,212	-	-	3,212	484	484	-	2,244	-	-	-
TOTAL EXPENDITURES	33,864	-	1,050	32,814	2,500	8,812	17,258	4,244	-	-	-

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	16,932	-	1,050	15,882	725	4,406	8,629	2,122	-	-	-
State Aid	16,932	-	-	16,932	1,775	4,406	8,629	2,122	-	-	-
TOTAL FUNDING SOURCES	33,864	-	1,050	32,814	2,500	8,812	17,258	4,244	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 23 Request	9,020	Year First Appropriation	FY20
Appropriation FY 24 Request	3,896	Last FY's Cost Estimate	28,216
Cumulative Appropriation	1,050		
Expenditure / Encumbrances	908		
Unencumbered Balance	142		

PROJECT DESCRIPTION

This project provides funding for the renovation of the libraries on two of Montgomery College's campuses, specifically the Rockville Macklin Tower Building, and the Takoma Park/Silver Spring Resource Center. An architecture firm has developed conceptual designs for the two campus libraries, and has identified improvements required to support organizational and service changes, and to modernize the libraries. The main library floors will be hubs of academic life at Montgomery College: dynamic spaces that will be student-centered, technology and service-driven, and will foster innovation. The upper floors will provide students with comfortable and quiet study spaces and smaller, curated collections to support their academic and career goals. Additional goals of this project is to meet the variety of student needs including group study, individual study, and silent study.

LOCATION

Takoma Park/Silver Spring and Rockville Campuses

ESTIMATED SCHEDULE

A part1/part 2 document was completed in FY21 for the Takoma Park/Silver Spring library renovation. Design will start in FY22, construction will begin in FY23, and continue in FY24, with completion in FY24. The Rockville library project design will begin in FY24, and construction, and FFE will be requested in FY25, and FY26.

COST CHANGE

The Rockville Library project has 4 percent state allowable cost escalation included.

PROJECT JUSTIFICATION

The Takoma Park/Silver Spring Resource Center was constructed in 1978, and is 41 years old. The Rockville Macklin Tower Building was constructed in 1971 and is 48 years old. These two buildings are outdated, space and service configuration is insufficient, employee workspaces are inadequate to promote collaboration with colleagues, as well as, support student success. In FY16, the Montgomery College Libraries had nearly 670,000 visitors, and ethnographic studies have shown that libraries are one of the places at Montgomery College where students can escape from work and family obligations to get homework and studying done. In addition, Montgomery College's libraries provide students access to technology to be successful in their coursework. In FY16, the Montgomery College library's computers, laptops, and tablets were used approximately 200,000 times by nearly 18,000 unique users. Providing computers, laptops, tablets, software, scanners, internet, and accessible software programs improves college affordability for students who wouldn't otherwise be able to afford those tools. The Montgomery College Libraries increasingly support educational excellence by embedding librarians and information literacy into classes with 7,600 students taught. Other relevant studies and plans include the Libraries Master Plan (2015), Montgomery College Libraries' Ethnographic Studies 2013-2016 (2016), Collegewide Facilities Master Plan Update (6/18), Libraries Planning Study (6/17), and Libraries Planning Study Germantown Addendum (9/17), and Montgomery College 2025 Strategic Plan.

OTHER

FY23 Appropriation: Total \$9,020,000 (\$3,985,000 (GO Bonds); and \$5,035,000 (State Aid)). FY24 Appropriation: Total \$3,896,000 (\$1,948,000 (GO Bonds);

and \$1,948,000 (State Aid)).

FISCAL NOTE

\$650,000 transferred from Planning, Design, and Construction project (906605) to Collegewide Library Renovations project (661901) in the FY21-26 CIP (BOT Resolution:21-06-069 adopted on 6/21/2021).

DISCLOSURES

Montgomery College asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.



Collegewide Physical Education Renovations (P661602)

Category	Montgomery College	Date Last Modified	09/19/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	1,210	696	514	-	-	-	-	-	-	-	-
Construction	20,690	9,492	2,198	9,000	1,500	1,500	1,500	1,500	1,500	1,500	-
Other	100	86	14	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	22,000	10,274	2,726	9,000	1,500	1,500	1,500	1,500	1,500	1,500	-

FUNDING SCHEDULE (\$000s)											
Major Facilities Capital Projects Fund (College)	22,000	10,274	2,726	9,000	1,500	1,500	1,500	1,500	1,500	1,500	-
TOTAL FUNDING SOURCES	22,000	10,274	2,726	9,000	1,500	1,500	1,500	1,500	1,500	1,500	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 23 Request	1,500	Year First Appropriation	FY16
Appropriation FY 24 Request	1,500	Last FY's Cost Estimate	19,000
Cumulative Appropriation	13,000		
Expenditure / Encumbrances	10,508		
Unencumbered Balance	2,492		

PROJECT DESCRIPTION

This project provides funding for the renovation of physical education buildings, specifically the Germantown Physical Education building, the Rockville Physical Education Center. The College completed a facilities condition assessment of these buildings in December 2013 that evaluated all building systems and related equipment and identified major repair and/or replacement requirements. In addition, this project will fund sports turf, and a reconfiguration of the Germantown baseball field to support the College's athletic program. This project also funds title IX improvements.

LOCATION

Collegewide

ESTIMATED SCHEDULE

This project is an ongoing effort and expenditures are expected beyond the six-year period.

COST CHANGE

Increase due to addition of FY27 and FY28.

PROJECT JUSTIFICATION

The Germantown Physical Education building was constructed in 1980, and is 39 years old. The Rockville Physical Education Center was constructed in 1966, and is 53 years old. These buildings are experiencing a progressive deterioration of building systems and major pieces of building equipment. It has now reached the point that addressing the problem of a deteriorating building infrastructure is beyond the scope of a maintenance effort and that building repairs are no longer adequate or cost effective. Key components of the HVAC, mechanical and electrical systems are outdated, energy inefficient, and costly to continue to repair. The refurbishment and/or replacement of major building systems and related equipment will significantly extend the useful life of the building and correct safety and environmental problems. The College completed a building condition assessment in 2013 that provides a detailed evaluation of building deficiencies and initial cost estimates for major repairs, equipment replacements, and related improvements. Related studies include: Montgomery College 2025 Strategic Plan, Collegewide Facilities Master Plan Update (2/21), and the Collegewide Facilities Condition Assessment (12/13).

OTHER

FY23 Appropriation: \$1,500,000 (Major Facilities Capital Projects Fund-MC only). FY24 Appropriation: \$1,500,000 (Major Facilities Capital Projects Fund-MC only).

COORDINATION

Energy Conservation: College (CIP No. P816611), Planned Lifecycle Asset Replacement: College (CIP No. P926659), Roof Replacement: College (CIP No. P876664).



East County Campus (P662301)

Category	Montgomery College	Date Last Modified	05/10/22
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Silver Spring and Vicinity	Status	Preliminary Design Stage

Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	2,500	-	-	2,500	-	2,500	-	-	-	-
TOTAL EXPENDITURES	2,500	-	-	2,500	-	2,500	-	-	-	-

FUNDING SCHEDULE (\$000s)

Current Revenue: General	500	-	-	500	-	500	-	-	-	-
State Aid	2,000	-	-	2,000	-	2,000	-	-	-	-
TOTAL FUNDING SOURCES	2,500	-	-	2,500	-	2,500	-	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 23 Request	-	Year First Appropriation	
Appropriation FY 24 Request	2,500	Last FY's Cost Estimate	-
Cumulative Appropriation	-		
Expenditure / Encumbrances	-		
Unencumbered Balance	-		

PROJECT DESCRIPTION

This project is for initial planning, studies, programming, facilities master plan updates, land acquisition, design and construction of a new fourth campus in the East County. The project will be a full campus, and will be an anchor institution for the educational, social, cultural, and economic needs of the growing East County community. It will be the long-term location for the East County Education Center, which will include credit, noncredit, and industry certification preparation courses, business training, workforce development and continuing education services, a Truth, Racial Healing, and Transformation Center, counseling/advising services, a Community Engagement Center, and enrichment courses. This project will proceed in phases and will be a model of sustainability and will provide the full scope of services offered at existing Montgomery College campuses. Land acquisition, design and construction will be funded after initial planning is completed.

LOCATION

The fourth campus will be located in a site to be determined in the East County.

COST CHANGE

FY23 Appropriation: \$0. FY24 Appropriation: \$2,500,000 (\$500,000 (G.O. Bonds); \$2,000,000 (State Aid)).

PROJECT JUSTIFICATION

The East County has experienced a significant increase in its richly diverse population. County Government has identified a lack of public resources in the area. The College undertook a study of the feasibility of locating in the East County. The study was finalized in September 2021 and concluded that the East County has significant needs and challenges. The Study recommends that the College establish an education center and pursue a fourth Campus in the East County. The new campus will be an anchor that will enrich the community and empower students to change their lives with tailored programs, courses, services and facilities. Improved access to higher education will afford higher earning capacity, address local, regional and national demand for workforce in existing and emerging fields, and provide quality of life services for the community. Contemplated programs include language skills, continuing education, enrichment courses, and recreational and cultural opportunities. Program areas identified in the Study include early childhood education, health sciences, engineering, technology, a commercial kitchen incubator, green technologies, English language opportunities, fine arts, and physical education/holistic wellness, along with over-arching college readiness programs. Program areas are preliminary and will be further developed.

DISCLOSURES

Montgomery College asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

COORDINATION

Board of Trustees, Montgomery County Government, Maryland-National Capital Park and Planning Commission, Maryland Department of General Services, Maryland Higher Education Commission, Maryland Board of Public Works, Middle States Commission on Higher Education, Maryland Department of Budget and Management, and the Maryland General Assembly.



Elevator Modernization: College

(P056608)

Category	Montgomery College	Date Last Modified	09/20/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	733	626	107	-	-	-	-	-	-	-
Construction	5,801	4,305	442	1,054	200	200	54	200	200	200
TOTAL EXPENDITURES	6,534	4,931	549	1,054	200	200	54	200	200	200

FUNDING SCHEDULE (\$000s)

G.O. Bonds	6,534	4,931	549	1,054	200	200	54	200	200	200
TOTAL FUNDING SOURCES	6,534	4,931	549	1,054	200	200	54	200	200	200

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 23 Request	200	Year First Appropriation	FY03
Appropriation FY 24 Request	200	Last FY's Cost Estimate	6,134
Cumulative Appropriation	5,480		
Expenditure / Encumbrances	4,931		
Unencumbered Balance	549		

PROJECT DESCRIPTION

This project provides funding for the modernization and/or replacement of existing elevators on all three campuses.

LOCATION

Collegewide

COST CHANGE

Increase due to addition of FY27 and FY28.

PROJECT JUSTIFICATION

Many elevator systems at the College are inefficient, outdated and beyond continued economic repair. While the College's maintenance program has kept elevators operational, spare parts are not readily available from maintenance providers for many of the older pieces of elevator equipment. This results in extended down time, high maintenance costs, higher energy consumption, and the lack of current car safety devices. This project will modernize elevators to improve overall performance, safety, reliability and energy conservation, and to achieve code compliance. Furthermore, some buildings lack elevators or have elevators of inadequate size requiring the installation of new elevators to increase accessibility and capacity. Related studies include the Montgomery College 2020 Strategic Plan, Collegewide Facilities Condition Assessment Update (12/13), a Collegewide Elevator Study (4/05), the Collegewide Facilities Master Plan Update (2/21), and the Takoma Park/Silver Spring Elevator Update (9/09).

OTHER

FY23 Appropriation: \$200,000 (G.O. Bonds). FY24 Appropriation: \$200,000 (G.O. Bonds).

DISCLOSURES

Expenditures will continue indefinitely.

COORDINATION

This project is coordinated with the scheduled building renovations on the Rockville, Takoma Park/Silver Spring and Germantown Campuses., Phase 4 - Takoma Park/Silver Spring Elevator Study, Site Improvements: College (CIP No. P076601)



Energy Conservation: College

(P816611)

Category	Montgomery College	Date Last Modified	09/20/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	3,966	2,756	130	1,080	180	180	180	180	180	180	-
Site Improvements and Utilities	26	26	-	-	-	-	-	-	-	-	-
Construction	3,563	2,702	141	720	120	120	120	120	120	120	-
Other	163	163	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	7,718	5,647	271	1,800	300	300	300	300	300	300	-

FUNDING SCHEDULE (\$000s)

Current Revenue: General	3,102	2,276	130	696	116	116	116	116	116	116	-
Federal Aid	49	49	-	-	-	-	-	-	-	-	-
G.O. Bonds	4,516	3,271	141	1,104	184	184	184	184	184	184	-
State Aid	51	51	-	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	7,718	5,647	271	1,800	300	300	300	300	300	300	-

OPERATING BUDGET IMPACT (\$000s)

Maintenance		(3,100)	(500)	(520)	(520)	(520)	(520)	(520)	(520)
Energy		(8,110)	(1,310)	(1,360)	(1,360)	(1,360)	(1,360)	(1,360)	(1,360)
NET IMPACT		(11,210)	(1,810)	(1,880)	(1,880)	(1,880)	(1,880)	(1,880)	(1,880)
FULL TIME EQUIVALENT (FTE)			2	2	2	2	2	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 23 Request	300	Year First Appropriation	FY81
Appropriation FY 24 Request	300	Last FY's Cost Estimate	7,118
Cumulative Appropriation	5,918		
Expenditure / Encumbrances	5,652		
Unencumbered Balance	266		

PROJECT DESCRIPTION

This project provides funding to (1) continue development of a Collegewide energy management program, (2) implement life-cycle cost effective energy conservation measures based upon energy audits, and (3) review new building/renovation designs for compliance with Montgomery County Code, Ch. 8 Building Energy Performance Standards. Typical project activities include retrofits and modifications of lighting, controls, and HVAC equipment; building envelope modifications; solar energy retrofits; computer equipment for equipment control and energy-use monitoring; HVAC system evaluation/balancing studies; long-range energy/utility planning studies; central plant design plans (Germantown, Rockville, Takoma Park/Silver Spring); and waste management studies. Typical payback on lighting, controls, HVAC and solar energy modifications is five to six years. This project includes two staff positions for a utility analyst, and mechanical engineer, which is in response to increased workload associated with the energy and utility functions, but also the design reviews of major projects, planned lifecycle asset replacements, and capital renewals, as well as complying with laws.

LOCATION

Collegewide

COST CHANGE

Increase due to addition of FY27 and FY28.

PROJECT JUSTIFICATION

As mandated by Ch. 8 of the County Code and supported by the College, County Council, the Interagency Committee on Energy & Utility Management (ICEUM), and the Citizens Energy Conservation Advisory Committee (ECAC), an energy cost reduction program has been developed. This program consists of energy audits performed by College staff to identify life cycle cost effective retrofits, including a lighting retrofit program, LEED certification, etc.

OTHER

FY23 Appropriation: Total - \$300,000; \$184,000 (G.O. Bonds), and \$116,000 (Current Revenue: General). FY24 Appropriation: Total - \$300,000; \$184,000

(G.O. Bonds), and \$116,000 (Current Revenue: General). The following fund transfers have been made from this project: \$21,420 to Central Plant Distribution System project (#P886676) (BOT Resolution #90-102, 6/18/90); \$70,000 to Fine Arts Renovation (#P906601) (BOT Resolution #94-114, 9/19/94), \$7,000 to Planning, Design & Construction project (#P906605) (BOT Resolution #01-153, 10/15/01), and \$200,000 to Germantown Bioscience Education Center Project (#P056603)(BOT Resol. #12-06-036, 6/11/12). Beginning in FY98, the portion of this project funded by County Current Revenues migrated to the College's Operating Budget. It is anticipated that migration of this portion of the project will promote a desirable consistency with County budgeting practices and encourage greater competition in an environment of scarce resources. Reflecting the migration of this portion of the project, the College's Operating Budget includes funds for this effort. New construction and building renovation projects under review during FY19-20 include planning for new buildings on the Rockville and Takoma Park/Silver Spring campuses. Campus utilities master plans are currently being updated to conform to the approved Collegewide Facilities Master Plan Update (2/21).

DISCLOSURES

Expenditures will continue indefinitely. Montgomery College asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

COORDINATION

This project is coordinated with the scheduled building renovations, and the planned construction of new buildings, on the Rockville, Germantown, and Takoma Park/Silver Spring Campuses., ICEUM & ECAC, Montgomery College 2025 Strategic Plan, Facility Planning: College (CIP No. P886686), Planned Lifecycle Asset Replacement: College (CIP No. P926659), Roof Replacement: College (CIP No. P876664)



Facility Planning: College

(P886686)

Category	Montgomery College	Date Last Modified	09/20/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	8,977	6,257	1,100	1,620	270	270	270	270	270	270	-
TOTAL EXPENDITURES	8,977	6,257	1,100	1,620	270	270	270	270	270	270	-

FUNDING SCHEDULE (\$000s)

Current Revenue: General	8,977	6,257	1,100	1,620	270	270	270	270	270	270	-
TOTAL FUNDING SOURCES	8,977	6,257	1,100	1,620	270	270	270	270	270	270	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 23 Request	270	Year First Appropriation	FY88
Appropriation FY 24 Request	270	Last FY's Cost Estimate	8,437
Cumulative Appropriation	7,357		
Expenditure / Encumbrances	6,450		
Unencumbered Balance	907		

PROJECT DESCRIPTION

This project provides funding for campus master plans, and facility planning studies for projects being considered for possible inclusion in the CIP. In addition, facility planning serves as a transition stage for a project between the master plan or conceptual stage, and its inclusion as a stand-alone project, or subproject, in the CIP. Prior to the establishment of a stand-alone project, the College develops a Facility Program/Program of Requirements (POR) that outlines the general facility purpose and need and specific features required on the project. Facility planning is a decision-making process to determine the purpose and need of a candidate project through a rigorous investigation of the following critical project elements: usage forecasts; academic requirements; investigation of non-County sources of funding; and detailed project cost estimates. This project provides for project planning and preliminary design, and allows for the development of a program of requirements in advance of the full programming of a project in the CIP, including the preparation of Part I and II documentation to meet State requirements. Depending upon the results of a facility planning determination of purpose and need, a project may or may not proceed to construction.

COST CHANGE

Increase due to addition of FY27 and FY28.

PROJECT JUSTIFICATION

There is a continuing need for the development of accurate cost estimates and an exploration of alternatives for proposed projects. Facility planning costs for all projects which ultimately become stand-alone PDFs are included here. These costs will not be reflected in the resulting individual project. Future individual CIP projects which result from facility planning may each reflect reduced planning and design costs. Relevant studies include the Montgomery College 2025 Strategic Plan, Collegewide Facilities Condition Assessment Update (12/13), and the Collegewide Facilities Master Plan Update(2/21). The East County Feasibility study was completed June 2021.

OTHER

FY23 Appropriation: \$270,000 (Current Revenue: General). FY24 Appropriation: \$270,000 (Current Revenue: General). The following fund transfers have been made from this project: \$25,000 to the Information Technology: College project (CIP No. P856509) (BOT Resol. #91-56 - 5/20/91); \$7,000 to Planning, Design & Construction (CIP No. P906605) (BOT Resol. #01-153 - 10/15/01); \$25,000 to Planning, Design and Construction (CIP No. P804064) (BOT Resol. #02-62 - 6/17/02). The following fund transfer has been made to this project: \$28,000 from the South Silver Spring Property Acquisition (CIP No. P016602) (BOT Resol. # 03-28 - 4/21/03). By County Council Resol. No. 12-6333, the cumulative project appropriation was reduced by \$187,500 in FY92. By County Council Resolution No. 16-1261, the cumulative appropriation was reduced by \$171,000 (Current Revenue: General) as part of the FY10 savings plan.

DISCLOSURES

Expenditures will continue indefinitely.

COORDINATION

Collegewide Facilities Master Plan Update, FY22 - Utilities Master Plan Update, FY22 -Facilities Condition Assessment, FY22 - Theatre Arts Building



Germantown Science & Applied Studies Phase 1-Renov (P136600)

Category	Montgomery College	Date Last Modified	09/20/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Germantown and Vicinity	Status	Under Construction

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	4,509	4,247	262	-	-	-	-	-	-	-	-
Construction	33,482	32,457	1,025	-	-	-	-	-	-	-	-
Other	3,076	2,665	391	20	10	10	-	-	-	-	-
TOTAL EXPENDITURES	41,067	39,369	1,678	20	10	10	-	-	-	-	-

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	21,144	20,295	839	10	5	5	-	-	-	-	-
State Aid	19,923	19,074	839	10	5	5	-	-	-	-	-
TOTAL FUNDING SOURCES	41,067	39,369	1,678	20	10	10	-	-	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 23 Request	-	Year First Appropriation	FY13
Appropriation FY 24 Request	-	Last FY's Cost Estimate	41,067
Cumulative Appropriation	41,067		
Expenditure / Encumbrances	39,431		
Unencumbered Balance	1,636		

PROJECT DESCRIPTION

This project provides for the realignment/renovation of space in the Science and Applied Studies building (65,015 GSF) on the Germantown Campus in accordance with the College's Facilities Master Plan and the building educational space specifications. The renovated building will house open class labs, classrooms, offices and support space related to the physics, engineering, and mathematics departments. The Science and Applied Studies Renovation will occur in two phases. The first phase involves the renovation of the second floor, and a 29,330 GSF building addition, to support the Physics, Engineering, and Mathematics disciplines. There will be vacant space in a portion of the building when various departments move to the Bioscience Education Center, which makes it necessary to renovate this building to support new disciplines. The current building layout is inappropriate for the Physics, Engineering, and Mathematics departments, which makes it necessary to renovate laboratory spaces, classrooms, and faculty and staff offices. This building also has outdated laboratory equipment, which does not properly support the new functions, and technological changes in teaching methods. Programmatic changes are necessary to prepare this building for these uses. The second phase of this project will deal with the renovation of the first floor. Overall growth at the Germantown Campus in combination with the transition to lab instruction for mathematics and engineering expansion has created the demand for additional academic space. Renovation for these disciplines co-locates them near the Bioscience Education Center, creating good programmatic synergy on the campus. Renovation of this facility is contingent on completion of the Bioscience Education Center. Based on student interest, enrollment trends, existing and projected County and State workforce needs, and the teaching and learning strategies, including the final report of the Governor's Science Technology Engineering Mathematics Task Force, Investing in STEM to Secure Maryland's Future, the Germantown Campus will be well positioned to meet the needs of its students and the region. Design funding for this project was appropriated in FY13, and construction funding was appropriated in FY16. During FY21, this building was renamed to the Dr. DeRionne P. Pollard Student Affairs and Science Building.

LOCATION

Germantown Campus

ESTIMATED SCHEDULE

Project construction was completed for the fall 2021 semester.

PROJECT JUSTIFICATION

Under the application of the State space guidelines, the enrollment growth on the Germantown Campus has resulted in a significant instructional space deficit. The Germantown Campus has a 2028 projected instructional space deficit of 69,081 NASF and a total space deficit anticipated to be 149,079 NASF. In addition, this project will position the College to address workforce shortages in the Science, Technology, Engineering, and Mathematics fields. This project will impact local and Maryland workforce shortages through educating students to fill technical jobs. Relevant studies include the Montgomery College 2025 Strategic Plan, Collegewide Facilities Master Plan Update (6/18), the Renovation/Addition to Sciences & Applied Studies Building at Montgomery College Germantown Campus, Part 1, Part 2 (3/11), and the Collegewide Facilities Master Plan Update (6/18).

OTHER

Funding Sources: G.O. Bonds and State Aid. Project expenditures assume that a portion of Information Technology (IT) equipment costs may be funded through the Information Technology (No. P856509) project. The construction costs in the expenditure schedule (\$30,840,000) include: site improvement costs

(\$2,390,000), building construction costs (\$28,450,000). The building construction cost per gross square foot equals \$438 (\$28,450,000/65,015). The following fund transfer has been made to this project: \$115,000 from the Computer Science Alterations project (P046602) (BOT Resol.#17-11-121 ,11/13/17). The FY19 budget reallocates \$76,000 (G.O.bonds) from the Computer Science Alterations project (P046602) and adds \$191,000 in State matching funds to cover additional costs associated with unforeseen conditions. (The College's Board of Trustees previously transferred \$115,000 in G.O. Bonds from Computer Science Alterations to this project [BOT Resol.#17-11-121, 11/13/17], making the total shift from Computer Science Alterations \$191,000 in County G.O. Bonds.)

DISCLOSURES

A pedestrian impact analysis has been completed for this project. Montgomery College asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

COORDINATION

Facility Planning: College (No. P886686), Bioscience Education Center (No. P056603), Energy Conservation: College (No. P816611), and PLAR: College (No. P926659)



Germantown Student Services Center (P076612)

Category	Montgomery College	Date Last Modified	05/24/22
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Germantown and Vicinity	Status	Planning Stage

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	6,418	-	-	6,418	-	5,040	1,378	-	-	-	-
Construction	83,286	-	-	83,286	-	676	-	7,762	35,064	39,784	-
Other	31,262	-	-	11,222	-	1,142	-	-	-	10,080	20,040
TOTAL EXPENDITURES	120,966	-	-	100,926	-	6,858	1,378	7,762	35,064	49,864	20,040

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	60,483	-	-	50,463	-	3,429	689	3,881	17,532	24,932	10,020
State Aid	60,483	-	-	50,463	-	3,429	689	3,881	17,532	24,932	10,020
TOTAL FUNDING SOURCES	120,966	-	-	100,926	-	6,858	1,378	7,762	35,064	49,864	20,040

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 23 Request	-	Year First Appropriation	
Appropriation FY 24 Request	6,858	Last FY's Cost Estimate	
Cumulative Appropriation	-	116,312	
Expenditure / Encumbrances	-		
Unencumbered Balance	-		

PROJECT DESCRIPTION

This project provides funds for the design and construction of a new student services center (approximately 153,000 gross square feet) to support both study and student services as outlined in the Germantown Campus Facilities Master Plan, 2013-2023 (2/16). This project provides a comprehensive one-stop shop and brings together the bookstore and Mailroom from the Humanities and Social Sciences Building; Admissions, Student Life and Security from the Science and Applied Studies Building, creating much more space for study and student development. This building will also house the Provost's Office, media and academic computing support functions, a library, and bookstore.

LOCATION

Germantown Campus

COST CHANGE

The cost of this project increased due to state allowable escalation of 4 percent and the addition of FY27 and FY28.

PROJECT JUSTIFICATION

Supported in this facility are the media resources and academic computing functions, including the computer training lab. The advantage for students is the concentration of support resources in a single location. For the campus, space is made available in other buildings that will allow more growth in office and instructional space before another academic building is needed on campus. Under the application of State space guidelines, the enrollment growth on the Germantown campus has resulted in a significant space deficit. The Germantown campus has a fall 2020 space deficit of 35,139 NASF, and a 2030 projected space surplus of 4,439. Relevant studies include the Montgomery College 2025 Strategic Plan, and Collegewide Facilities Master Plan Update (2/21).

OTHER

FY23 Appropriation: \$0; FY24 Appropriation: \$6,858,000 (\$3,429,000 (GO Bonds), and \$3,429,000 (State Aid)). The construction costs in the expenditure schedule (\$100,806,000) include: site improvement costs (\$11,788,000), building construction costs (\$89,018,000). The building construction cost per gross square foot equals \$582 (\$89,018,000/153,000).

DISCLOSURES

A pedestrian impact analysis has been completed for this project. Montgomery College asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

COORDINATION

Student Affairs and Science Building Renovation- Phase 2



Information Technology: College

(P856509)

Category	Montgomery College	Date Last Modified	09/20/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
Planning, Design and Supervision	5,752	5,109	643	-	-	-	-	-	-	-	-
Construction	21,847	18,847	-	3,000	500	500	500	500	500	500	-
Other	181,225	121,980	9,745	49,500	8,750	8,750	8,000	8,000	8,000	8,000	-
TOTAL EXPENDITURES	208,824	145,936	10,388	52,500	9,250	9,250	8,500	8,500	8,500	8,500	-

FUNDING SCHEDULE (\$000s)

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
Contributions	1,433	-	1,433	-	-	-	-	-	-	-	-
Current Revenue: General	142,831	81,376	8,955	52,500	9,250	9,250	8,500	8,500	8,500	8,500	-
G.O. Bonds	4,603	4,603	-	-	-	-	-	-	-	-	-
PAYGO	2,041	2,041	-	-	-	-	-	-	-	-	-
Recordation Tax	57,916	57,916	-	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	208,824	145,936	10,388	52,500	9,250	9,250	8,500	8,500	8,500	8,500	-

OPERATING BUDGET IMPACT (\$000s)

FULL TIME EQUIVALENT (FTE)										
				4	4	4	4	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 23 Request	9,250	Year First Appropriation	FY85
Appropriation FY 24 Request	9,250	Last FY's Cost Estimate	191,824
Cumulative Appropriation	156,324		
Expenditure / Encumbrances	149,802		
Unencumbered Balance	6,522		

PROJECT DESCRIPTION

This project provides for the design, development, installation/construction, and support of College Information Technology (IT) systems including enterprise-wide data, voice, and video applications; cybersecurity; cloud-based software services; and other related software applications used for administrative and academic support; and the replacement/upgrade of IT equipment to meet student and employee requirements. The project includes planning, installation, and furnishing of audio/visual and computing technology in classrooms, labs, and offices throughout three campuses and multiple workforce development centers. These systems support and enhance the College's mission, its instructional programs, and student services including counseling, admissions, registration, etc. They also meet administrative computing requirements for finance, human resources, institutional advancement, workforce development and continuing education, and are implemented in accordance with the collegewide college strategic plan. The Office of Information Technology (OIT) with input from the college community determines and recommends the hardware, software, and services to be purchased. Four technical staff positions are funded by this project.

LOCATION

Collegewide

COST CHANGE

Increase due to addition of FY27 and FY28.

PROJECT JUSTIFICATION

To meet current and projected needs, and to remain current with changing technical standards and expectations for data, video, and voice communications, the College plans and installs IT, telecommunications, audio/visual, and instructional systems at each campus, the central administration building, and all remote instructional sites. The new systems allow replacement of legacy systems for data and video applications; provide for updated networking capabilities; provide necessary security and monitoring capabilities; establish learning centers in classrooms, labs, and for distributed instruction; and allow expanded opportunities for linking with external information technology services. 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

FY23 Appropriation: \$9,250,000 (Current Revenue: General). FY24 Appropriation: \$9,250,000 (Current Revenue: General). The following fund transfers have been made from this project: \$1,300,000 to the Takoma Park Campus Expansion project (CIP No. P996662) (BOT Resol. #07-01-005, 1/16/2007); \$300,000 to the Student Learning Support Systems project (CIP No. P076617); and \$2,500,000 to the Network Operating Center project (#P076618)(BOT Resol. #12-06-037, 6/11/12). The following fund transfers have been made to this project: \$111,000 from the Planning, Design and Construction project (CIP No. P906605), and \$25,000 from the Facilities Planning: College project (CIP No. P886886) to this project (BOT Resol. #91-56, 5/20/1991); the project appropriation was reduced by \$559,000 in FY92. The FY18 Savings Plan reduced FY18 funding and expenditures by \$1,900,000 in Current Revenue: General. FY19 reduction of \$723,000 is due to County affordability constraints.

DISCLOSURES

Expenditures will continue indefinitely.

COORDINATION

MC2025 Strategic Plan, Academic Master Plan 2016-2021, Collegewide Facilities Master Plan Update (2/21), Information Technology Master Plan, Student Affairs Master Plan 2018-2022, and campus building renovation projects. Expenditures are made in alignment with the priorities and guidelines establish by these documents.



Instructional Furniture and Equipment: College

(P096601)

Category	Montgomery College	Date Last Modified	09/20/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Other	5,340	2,631	1,089	1,620	270	270	270	270	270	270	-
TOTAL EXPENDITURES	5,340	2,631	1,089	1,620	270	270	270	270	270	270	-

FUNDING SCHEDULE (\$000s)

Current Revenue: General	5,340	2,631	1,089	1,620	270	270	270	270	270	270	-
TOTAL FUNDING SOURCES	5,340	2,631	1,089	1,620	270	270	270	270	270	270	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 23 Request	270	Year First Appropriation	FY09
Appropriation FY 24 Request	270	Last FY's Cost Estimate	4,800
Cumulative Appropriation	3,720		
Expenditure / Encumbrances	2,631		
Unencumbered Balance	1,089		

PROJECT DESCRIPTION

This project provides funding for new and replacement instructional furniture and equipment to support academic programs, improve classroom and lab functionality, and upgrade equipment to meet instructional requirements. New and replacement furniture and equipment will be provided in classroom, laboratory, and/or instructional support settings. General instructional furniture includes such items as tables, chairs, stools, laboratory cabinetry, white boards, and other display boards, that typically occur in classrooms, labs, and instructional support spaces. Instructional equipment, for example, may include microscopes, autoclaves, weight equipment, pottery kilns, and other types of equipment used for teaching, experimentation, and/or research.

LOCATION

Collegewide

COST CHANGE

Increase due to addition of FY27 and FY28.

PROJECT JUSTIFICATION

Instructional furniture and equipment necessary for classes and labs typically has a replacement cycle of 10 years or more depending upon level of usage. Existing furniture and equipment across the College is often outdated or inadequate, necessitating a major replacement effort. In addition, new instructional endeavors may also require the purchase of furniture and equipment to support the academic program. New and replacement instructional furniture and equipment is necessary to support the academic success of students and provide faculty with the tools for student learning. Relevant studies include the Montgomery College 2025 Strategic Plan, and Montgomery College Academic Master Plan 2016-2021.

OTHER

FY23 Appropriation: \$270,000 (Current Revenue: General). FY24 Appropriation: \$270,000 (Current Revenue: General).

DISCLOSURES

Expenditures will continue indefinitely.

COORDINATION

Montgomery College 2016-2021 Academic Master Plan, Takoma Park/Silver Spring Leggett Math and Science Building.



Network Infrastructure and Server Operations (P076619)

Category	Montgomery College	Date Last Modified	09/20/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	6,424	4,289	1,055	1,080	180	180	180	180	180	180	-
Construction	2,174	1,574	-	600	100	100	100	100	100	100	-
Other	45,919	20,102	4,097	21,720	3,820	3,820	3,520	3,520	3,520	3,520	-
TOTAL EXPENDITURES	54,517	25,965	5,152	23,400	4,100	4,100	3,800	3,800	3,800	3,800	-

FUNDING SCHEDULE (\$000s)											
Current Revenue: General	53,097	24,545	5,152	23,400	4,100	4,100	3,800	3,800	3,800	3,800	-
Recordation Tax	1,420	1,420	-	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	54,517	25,965	5,152	23,400	4,100	4,100	3,800	3,800	3,800	3,800	-

OPERATING BUDGET IMPACT (\$000s)											
FULL TIME EQUIVALENT (FTE)					6	6	6	6	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 23 Request	4,100	Year First Appropriation	FY07
Appropriation FY 24 Request	4,100	Last FY's Cost Estimate	46,917
Cumulative Appropriation	31,117		
Expenditure / Encumbrances	28,466		
Unencumbered Balance	2,651		

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 FY27 and FY28.

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

FY23 Appropriation: \$4,100,000 (Current Revenue: General). FY24 Appropriation: \$4,100,000 (Current Revenue: General). 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

MC2025 Strategic Plan, Academic Master Plan 2016-2021, Collegewide Facilities Master Plan Update (2/21), Information Technology Master Plan, Student Affairs Master Plan 2018-2021, and campus building renovation projects. Expenditures are made in alignment with the priorities and guidelines establish by these documents.



Planned Lifecycle Asset Replacement: College

(P926659)

Category	Montgomery College	Date Last Modified	09/20/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	9,902	6,153	1,349	2,400	400	400	400	400	400	400	-
Construction	78,133	52,763	2,233	23,137	3,600	5,137	3,600	3,600	3,600	3,600	-
Other	635	534	101	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	88,670	59,450	3,683	25,537	4,000	5,537	4,000	4,000	4,000	4,000	-

FUNDING SCHEDULE (\$000s)											
Current Revenue: General	1,940	1,940	-	-	-	-	-	-	-	-	-
G.O. Bonds	86,730	57,510	3,683	25,537	4,000	5,537	4,000	4,000	4,000	4,000	-
TOTAL FUNDING SOURCES	88,670	59,450	3,683	25,537	4,000	5,537	4,000	4,000	4,000	4,000	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 23 Request	4,000	Year First Appropriation	FY93
Appropriation FY 24 Request	5,537	Last FY's Cost Estimate	79,687
Cumulative Appropriation	63,133		
Expenditure / Encumbrances	59,913		
Unencumbered Balance	3,220		

PROJECT DESCRIPTION

This project provides funding for a comprehensive lifecycle renewal and replacement program to protect the investment in College facilities and equipment and to meet current safety and environmental requirements. Funding also provides for project management contract services. This collegewide project is targeted at deteriorating facilities and deferred maintenance of major building systems. This project includes: (1) HVAC system renovation/replacement; (2) major mechanical/plumbing equipment renovation/replacement; (3) interior and exterior lighting system renovation/replacements; (4) electrical service/switchgear renovation/replacement; (5) building structural and exterior envelope refurbishment; (6) asbestos removals not tied to building renovations; (7) major carpet replacement; (8) underground petroleum tank upgrades; and (9) site utility, and site infrastructure replacement/ improvements. Note: The Life Safety Systems project, (CIP No. P046601), has been merged into this project. This project also provides design and construction funding for the correction of life safety and fire code deficiencies identified in the Collegewide Facilities Condition Audit. The scope of this project includes the installation and/or replacement of fire alarm systems, fire sprinkler systems, smoke control systems, emergency power systems, emergency lighting systems, public address systems, and similar equipment and operations.

LOCATION

Collegewide

COST CHANGE

FY23 increased to level of effort. Additional increase due to addition of FY27 and FY28.

PROJECT JUSTIFICATION

In November 2007 (December 2013 update), the College updated a comprehensive building system/equipment assessment, including site utilities and improvements, that identified deficiencies, prioritized replacements and upgrades, and provided the framework for implementing a systematic capital renewal program to complement on-going preventive maintenance efforts. The College continues to have a significant backlog of major building systems and equipment renovations and/or replacements due to the age of the Campuses and deferral of major equipment replacement. Key components of the HVAC, mechanical and electrical systems are outdated, energy inefficient, and costly to continue to repair. The renovation and/or replacement of major building systems, building components and equipment, and site improvements will significantly extend the useful life of the College's buildings and correct safety and environmental problems. The Collegewide Facilities Condition Assessment Update (12/13) identified a \$188 million deferred maintenance backlog for the three campuses. If additional financial resources are not directed at this problem, facilities will continue to deteriorate leading to higher cost renovations or building replacements. The Collegewide Facilities Condition Audit identified various life safety concerns on all three campuses. This project allows the College to address the concerns, replacing and/or installing appropriate life safety or fire code measures, and ensuring compliance with applicable life safety, fire, and building codes. Other relevant plans and studies include the Montgomery College 2025 Strategic Plan, Collegewide Facilities Master Plan Update (2/21), and the County Council Report of the Infrastructure Maintenance Task Force (3/16).

OTHER

FY23 Appropriation: \$4,000,000 (G.O. Bonds). FY24 Appropriation: \$5,537,000 (G.O. Bonds). The following fund transfers have been made from this project: \$47,685 to Takoma Park Child Care Center (CIP No. P946657) (BOT Resol. #93-106, #94-26 & #941-28); \$185,000 to Rockville Surge Building (CIP No. P966665) (BOT Resol. #11-2291 - 1/21/97); \$7,000 to Planning, Design & Construction (CIP No. P906605) (BOT Resol. #01-153); \$91,175 to the Art Building Renovation Project (CIP No. P906608) (BOT Resol. #06-09-106 - 9/18/06); \$250,000 to the Takoma Park Expansion Project (CIP No. P996662) (BOT Resol. #07-01-005 - 1/16/07); and \$1,400,000 to the Roof Replacement Project (#P876664)(BOT Resol. #19-041,05/13/19). The following fund transfers have been made into this project: \$15,000 from Central Plant Distribution System (CIP No. P886676) (BOT Resol. #98-82 - 6/15/98), \$25,000 from Clean Air Act (CIP No. P956643) (BOT Resol. #98-82 - 6/15/98), \$24,000 from the Rockville Campus Science Center Project (CIP No. P036600) (BOT Resol. #15-03-025 - 03/23/15); and \$1,861,000 in G.O. Bonds from Science West Building Renovation (#P076622). Beginning in FY98, the portion of this project funded by County Current Revenues migrated to the College's Operating Budget. Reflecting the migration of this portion of the project, the College's Operating Budget includes funds for this effort. The following fund transfer has been made from this project: \$67,000 to the Commons Building Renovation Project (CIP No. P056601) (BOT Resolution #10-08-057, 07/31/10). In FY19, \$1,861,000 in G.O. Bonds were transferred from the Science West Building Renovation project (#P076622). In FY20, \$31,000 was transferred from the Macklin Towers Alteration project (P036603) to the Planned Lifecycle Asset Replacement project (BOT Resol.# 20-06-065, 6/22/20).

DISCLOSURES

Expenditures will continue indefinitely.

COORDINATION

This project is coordinated with Utility Master Plans and building renovations on the Rockville, Germantown, and Takoma Park/Silver Spring Campuses; and the following projects: Capital Renewal: College (CIP No. P096600), Elevator Modernization: College (CIP No. P046600), Energy Conservation: College (CIP No. P816611), Facility Planning: College (CIP No. P886686), Roof Replacement: College (CIP No. P876664).



Planning, Design and Construction (P906605)

Category	Montgomery College	Date Last Modified	01/11/22
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	38,091	24,119	2,472	11,500	1,900	2,000	1,900	1,900	1,900	1,900	-
Construction	8,259	7,984	275	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	46,350	32,103	2,747	11,500	1,900	2,000	1,900	1,900	1,900	1,900	-

FUNDING SCHEDULE (\$000s)											
Current Revenue: General	22,382	16,540	1,374	4,468	728	828	728	728	728	728	-
G.O. Bonds	23,968	15,563	1,373	7,032	1,172	1,172	1,172	1,172	1,172	1,172	-
TOTAL FUNDING SOURCES	46,350	32,103	2,747	11,500	1,900	2,000	1,900	1,900	1,900	1,900	-

OPERATING BUDGET IMPACT (\$000s)											
FULL TIME EQUIVALENT (FTE)					16	16	16	16	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 23 Request	1,900	Year First Appropriation	FY90
Appropriation FY 24 Request	2,000	Last FY's Cost Estimate	43,200
Cumulative Appropriation	34,850		
Expenditure / Encumbrances	33,035		
Unencumbered Balance	1,815		

PROJECT DESCRIPTION

This project provides for sixteen full time positions in the Division of Facilities and Security Office. These positions plan, design, manage and implement the College's capital program which extends beyond the current six years. These sixteen positions are broken down into 3 categories: Project Management Staff; Design Staff; and Construction Staff. The positions categorized as Project Management Staff are Project Managers (7), and Project Support Staff (1). The Project Managers are responsible for budget development, program planning, and project management through to completion. The Project Support Staff supports the goals of the Project Managers. The positions categorized as Design Staff are Architect (2), Engineer (1), GIS Coordinator (1), and Architectural Drafter/Designer (1). The final category is Construction Staff, which consists of a Construction Services Supervisor (1), and Construction Trades Workers (2), who are responsible for completing small, in-house construction projects.

COST CHANGE

Increase due to addition of FY27 and FY28. \$650,000 transferred from this project to the Collegewide Library Renovation project for FY21.

PROJECT JUSTIFICATION

The above staff supports the increased work load associated with the College's CIP and complements the existing staff expertise. The College's CIP has increased substantially since the mid-1980s and the then existing staff could no longer support the additional projects.

OTHER

FY23 Appropriation: \$1,900,000; \$1,172,000 (G.O. Bonds) and \$728,000 (Current Revenue: General). FY22 Appropriation: \$2,000,000; \$1,172,000 (G.O. Bonds) and \$828,000 (Current Revenue: General). The following fund transfers have been made from this project: \$111,000 to Information Technology (#P856509) (BOT Resol. #91-56; \$400,000 to the Takoma Park Expansion project (#996662) (BOT Resol. #07-01-005, 1/16/07); \$650,000 to the Collegewide Library Renovation project (#661901) (BOT Resol. #21-06-069, 6/21/21). The following fund transfer has been made into this project: \$28,000 (\$7,000 each) from ADA Compliance (#P936660), Energy Conservation (#P816611), Facility Planning (#P886686), PLAR (#P926659) (BOT Resol. #01-153), and \$150,000 from the Takoma Park Campus Expansion (#P996662) (BOT Resol.#11-06-078, 06-20-11), \$700,000 from the Bioscience Education Center project (#P056603) (BOT Resol. #16-04-051, 4/18/16). In addition, \$280,000 in G.O. Bonds was reallocated from the Science West Building Renovation project (#P076622) by Council action in FY19. During FY87-89, certain personnel costs were charged to individual capital projects. As some staff work is required on every capital project, separately identifying staff funding is an efficient and cost effective method of management for the College and provides a clear presentation of staff costs.

FISCAL NOTE

\$650,000 transferred from Planning, Design, and Construction project (906605) to Collegewide Library Renovations project (661901) in the FY21-26 CIP (BOT Resolution:21-06-069 adopted on 6/21/2021).

DISCLOSURES

Expenditures will continue indefinitely.



Rockville Student Services Center (P076604)

Category	Montgomery College	Date Last Modified	05/23/22
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Rockville	Status	Under Construction

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	8,439	4,718	3,721	-	-	-	-	-	-	-	-
Construction	55,716	42,828	12,888	-	-	-	-	-	-	-	-
Other	6,505	4,654	1,841	10	5	5	-	-	-	-	-
TOTAL EXPENDITURES	70,660	52,200	18,450	10	5	5	-	-	-	-	-

FUNDING SCHEDULE (\$000s)

G.O. Bonds	35,027	26,100	8,927	-	-	-	-	-	-	-	-
State Aid	35,633	26,100	9,523	10	5	5	-	-	-	-	-
TOTAL FUNDING SOURCES	70,660	52,200	18,450	10	5	5	-	-	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 23 Request	-	Year First Appropriation	FY13
Appropriation FY 24 Request	-	Last FY's Cost Estimate	73,560
Cumulative Appropriation	70,660		
Expenditure / Encumbrances	65,915		
Unencumbered Balance	4,745		

PROJECT DESCRIPTION

This project provides funds for the construction of a new student services center (129,367 gross square feet) to support student administrative services as outlined in the Rockville Campus Facilities Master Plan, 2013-2023 (2/16). This project brings together student and administrative services to support the concept of one stop shopping services for students. Specifically, it will include the following campus related functions and activities: Admissions and Registration, Financial Aid, Cashier, Dean of Student Development, Career Transfer Center, Assessment, Counseling, Disabled Student Services (DSS), and Trio program plus support services such as a training facility, storage, resource library and waiting areas. In addition, this building will house the Office of Safety and Security and a new parking department. This project also includes funding for a central plant located in the Student Services Center and funding for a road extension/site improvements related to the building.

LOCATION

Rockville Campus

ESTIMATED SCHEDULE

Project construction is scheduled to be completed fall 2021.

COST CHANGE

Funds of \$2,900,000 (G.O. Bonds) were transferred to the Takoma Park/Silver Spring Math and Science Center Project (P076607).

PROJECT JUSTIFICATION

Currently, these intake functions are fragmented and are insufficiently accommodated: Student Development is located in the Counseling & Advising Building; the assessment program is located in Campus Center; Admissions, Registration and Financial Aid are located in the Student Services Building. Bringing these functions under one roof will be of great benefit to students by increasing the efficiency of the intake operations. Relevant studies include the Montgomery College 2025 Strategic Plan, Collegewide Facilities Condition Assessment (12/13), the Collegewide Facilities Master Plan Update (6/18), and the Rockville Student Services Center Part 1/Part 2 (5/11).

OTHER

Funding Sources: G.O.Current Bonds, and State Aid. Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement. The construction costs in the expenditure schedule (\$53,712,000) include Revenue: site General improvement costs (\$950,553,000), building construction costs (\$44,159,000). The building construction cost per gross square foot equals \$341 (\$44,159,000/129,367).

DISCLOSURES

A pedestrian impact analysis will be performed during design or is in progress. Montgomery College asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

COORDINATION

Facility Planning: College (CIP #P886686).



Roof Replacement: College

(P876664)

Category	Montgomery College	Date Last Modified	01/08/22
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	2,107	1,061	446	600	100	100	100	100	100	100	-
Construction	20,153	9,939	2,319	7,895	400	2,562	1,740	970	500	1,723	-
TOTAL EXPENDITURES	22,260	11,000	2,765	8,495	500	2,662	1,840	1,070	600	1,823	-

FUNDING SCHEDULE (\$000s)											
Current Revenue: General	1,248	1,248	-	-	-	-	-	-	-	-	-
G.O. Bonds	19,809	8,549	2,765	8,495	500	2,662	1,840	1,070	600	1,823	-
State Aid	1,203	1,203	-	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	22,260	11,000	2,765	8,495	500	2,662	1,840	1,070	600	1,823	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 23 Request	500	Year First Appropriation	FY87
Appropriation FY 24 Request	2,662	Last FY's Cost Estimate	18,331
Cumulative Appropriation	13,765		
Expenditure / Encumbrances	11,478		
Unencumbered Balance	2,287		

PROJECT DESCRIPTION

This project provides for the replacement/major repair of roofs and entrance canopies on buildings at all three campuses, including the addition of roof insulation as part of the replacement work. Project costs are based on comprehensive roof surveys of all College buildings completed in 2008. An update to this survey was completed in FY18.

LOCATION

Collegewide

COST CHANGE

Increase in FY26 due to additional projects in schedule. Remaining increase due to addition of FY27 and FY28. \$1.4 million transferred to this project from Site Improvements project in FY22.

PROJECT JUSTIFICATION

The College has implemented a roof replacement/renovation program to respond to the aging of building roofs. The program provides for the periodic evaluation of roofs on a four year cycle. The current roof replacement/major repair schedule delineates specific building projects. Roofs requiring major renovation are generally ten years or older in age. In the initial replacement cycle, approximately 33% of the construction cost is for the addition of roof insulation on each building. Added insulation results in an average five year payback due to reduced energy costs and lower replacement costs of mechanical equipment retrofits in building renovations. This project is coordinated with the College's building renovation program and with the replacement of major roof-top building equipment. Related studies include the Montgomery College 2020 Strategic Plan, Collegewide Roof Surveys Update (2018), a Collegewide Facilities Condition Assessment Update (12/13) and the Collegewide Master Plan 2013-2023 (2/21).

OTHER

FY23 Appropriation: \$500,000 (G.O. Bonds). FY24 Appropriation: \$2,662,000 (G.O. Bonds). By County Council Resolution #12-663, the cumulative project appropriation was reduced by \$65,000 in FY92. In addition, the State share was reduced by \$65,000 in FY92. FY87-FY91, and FY93 project funding was 100% current revenue. FY92 funding was current revenue and State aid. No appropriations were made to this project in FY94 and FY95. In FY96, funding was changed to G.O Bonds and State aid. State aid applies only to roof replacement design and construction. Roof surveys are 100% County G.O. Bond funded. In FY19, \$813,000 in G.O. Bonds was reallocated from the Bioscience Education Center project (#P056603) and \$937,000 in G.O. Bonds were reallocated from the Science West Building Renovation project (#P076622). In FY19, \$813,000 in G.O. Bonds reallocated from the Germantown Bioscience Education Center project (#P056603) and \$937,000 reallocated from Science West Building Renovation (#P076622). The following fund transfer has been made into this project: \$1,400,000 from the Planned Asset Replacement project (#P926659)(BOT Res. #19-05-041,5/13/19); The following fund transfers have been made to this project: \$1,400,000 from Site Improvements (#076601) (BOT Resol. #22-09-004, 9/20/21).

DISCLOSURES

Expenditures will continue indefinitely. Montgomery College asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

COORDINATION

Energy Conservation (CIP No. P816611), Planned Lifecycle Asset Replacement: College (CIP No. P926659), FY22 - Takoma Park/Silver Spring Health Sciences Center, and Rockville Campus Center; FY23 - Germantown High Technology Building, FY24 - Rockville Gudelsky Building, and Rockville Humanities Building; FY25 - Short Term Roof Repairs, Semi Annual Roof Inspections, and Rockville Central Services Building; FY26 - Rockville Macklin Tower, and Rockville Counseling and Advising Building; FY27 - Takoma Park/Silver Spring Commons Building (partial), and FY28 - Takoma/Silver Spring Mathematics Pavilion, North Pavilion, Pavilions 1, 2, and 4.



Site Improvements: College (P076601)

Category	Montgomery College	Date Last Modified	01/08/22
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	3,101	2,197	64	840	140	140	140	140	140	140	-
Site Improvements and Utilities	14,747	11,767	-	2,980	480	570	390	580	480	480	-
Construction	4,486	3,956	50	480	80	80	80	80	80	80	-
TOTAL EXPENDITURES	22,334	17,920	114	4,300	700	790	610	800	700	700	-

FUNDING SCHEDULE (\$000s)											
Current Revenue: General	1,000	1,000	-	-	-	-	-	-	-	-	-
G.O. Bonds	21,334	16,920	114	4,300	700	790	610	800	700	700	-
TOTAL FUNDING SOURCES	22,334	17,920	114	4,300	700	790	610	800	700	700	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 23 Request	700	Year First Appropriation	FY07
Appropriation FY 24 Request	790	Last FY's Cost Estimate	22,334
Cumulative Appropriation	18,034		
Expenditure / Encumbrances	17,983		
Unencumbered Balance	51		

PROJECT DESCRIPTION

This project funds the repair, maintenance and improvements of the College's site infrastructure. This may include, but is not limited to: roadways, parking lots, walkways, site lighting, external site signage and site communications infrastructure. The Stormwater Management project, #076602, was added to the scope of this project in FY2009. This project also provides for the rehabilitation and structural maintenance of storm water management facilities on the College's campuses. This includes, but is not limited to: dam or spillway repairs, pond dredging, storm drain system repairs/replacement, and storm water management studies to determine best practice solutions. This project also funds the repair, maintenance and improvement of the College's outdoor athletic facilities. This may include, but is not limited to: athletic field lighting, reconfiguration and upgrade; the repair/replacement of bleachers; turf renovation including regrading, sodding and irrigation/drainage management; repair/replacement of running tracks and tennis courts; and the repair/replacement of backstops, player protection fencing and benches. ** Note: In FY11, the Outdoor Athletics Facilities: College project (CIP No. 076600) was merged into this project.

LOCATION

Collegewide

COST CHANGE

Increase due to the addition of FY27 and FY28. \$1.4 million transferred from this project to the Roof Replacement: College project in FY22.

PROJECT JUSTIFICATION

In December 2004, the County Council initiated an Infrastructure Maintenance Task Force which gathered information on the maintenance needs of County agencies. The first objective was to identify the direst needs of agencies for additional funding; while the long-term goal was to initiate an ongoing, regular process to update and improve the inventory and analysis of infrastructure maintenance needs. As the College had already completed a facilities assessment, adequate information was available for buildings and a process was already underway to address these needs. However, less attention had been given to site issues. An outcome of this task force was to create projects to address these site needs. Related studies include the Montgomery College 2020 Strategic Plan, Collegewide Facilities Condition Assessment Update (12/13), the Collegewide Master Plan 2013-2023 (2/16), and the County Council Report of the Infrastructure Maintenance Task Force (3/16).

OTHER

FY23 Appropriation: \$700,000 (G.O. Bonds). FY24 Appropriation: \$790,000 (G.O. Bonds). The following fund transfer has been made to this project: \$1,400,000 from the Science East Building renovation (P076623)(BOT Resol. #: 15-09-77, 9/21/15). The following fund transfer has been made from this project: \$1,400,000 to Roof Replacements (#876664)(BOT Resol. #22-09-004, 9/21/21).

DISCLOSURES

Expenditures will continue indefinitely.

COORDINATION

This project is coordinated with Utility Master Plans and building renovations on the Rockville, Germantown, and Takoma Park Silver Spring Campuses., Capital Renewal: College (CIP No. P096600), Elevator Modernization: College (CIP No. P056608)



Student Learning Support Systems

(P076617)

Category	Montgomery College	Date Last Modified	09/20/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	7,936	4,682	854	2,400	400	400	400	400	400	400	-
Other	18,884	11,464	820	6,600	1,300	1,300	1,000	1,000	1,000	1,000	-
TOTAL EXPENDITURES	26,820	16,146	1,674	9,000	1,700	1,700	1,400	1,400	1,400	1,400	-

FUNDING SCHEDULE (\$000s)											
Current Revenue: General	26,458	15,784	1,674	9,000	1,700	1,700	1,400	1,400	1,400	1,400	-
Recordation Tax	362	362	-	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	26,820	16,146	1,674	9,000	1,700	1,700	1,400	1,400	1,400	1,400	-

OPERATING BUDGET IMPACT (\$000s)											
FULL TIME EQUIVALENT (FTE)					4	4	4	4	-	-	

APPROPRIATION AND EXPENDITURE DATA (\$000s)											
Appropriation FY 23 Request		1,700		Year First Appropriation							FY07
Appropriation FY 24 Request		1,700		Last FY's Cost Estimate							24,020
Cumulative Appropriation		17,820									
Expenditure / Encumbrances		16,791									
Unencumbered Balance		1,029									

PROJECT DESCRIPTION

This project includes the installation, upgrading, and replacement of technology systems used to support teaching, learning and advising, to assess student outcomes, and to improve the effectiveness of College services to students. This includes technology to support students with disabilities, technology-based communication and collaboration systems, systems to provide students with access to electronic course materials, library resources, and other applications used by and for students and faculty, including both hardware, software and cloud services. The project funds four technical project and planning analyst positions to manage and support multiple academic support systems.

LOCATION

Collegewide

COST CHANGE

Increase due to addition of FY27 and FY28.

PROJECT JUSTIFICATION

It is essential that appropriate systems are in place to enhance learning as well as collaboration and communication. Increased attention to student retention and success has created a growing need to assess the effectiveness of the services and support provided to students and the impact on student success. Leveraging technology is fundamental to enabling student success. 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

FY23 Appropriation: \$1,700,000 (Current Revenue: General). FY24 Appropriation: \$1,700,000 (Current Revenue: General). The following fund reductions/transfers have occurred with this project: By County Council Resolution No. 16-1261, the cumulative appropriation was reduced by \$1,000,000 (Current Revenue: General) as part of the FY10 savings plan; and \$300,000 was transferred from the Information Technology project (#P856509) to this project in FY11. FY19 reduction of \$400,000 due to County affordability constraints.

DISCLOSURES

Expenditures will continue indefinitely.

COORDINATION

MC2025 Strategic Plan, Academic Master Plan 2016-2021, Collegewide Facilities Master Plan Update (2/21), Information Technology Master Plan, Student Affairs Master Plan 2018-2021, and campus building renovation projects. Expenditures are made in alignment with the priorities and guidelines establish by these documents.



Takoma Park/Silver Spring Math and Science Center

(P076607)

Category	Montgomery College	Date Last Modified	05/10/22
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Silver Spring and Vicinity	Status	Under Construction

	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	10,276	7,868	2,408	-	-	-	-	-	-	-	-
Construction	80,526	35,058	19,186	26,282	26,282	-	-	-	-	-	-
Other	9,000	-	7,000	2,000	2,000	-	-	-	-	-	-
TOTAL EXPENDITURES	99,802	42,926	28,594	28,282	28,282	-	-	-	-	-	-

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	49,901	21,463	14,297	14,141	14,141	-	-	-	-	-	-
State Aid	49,901	21,463	14,297	14,141	14,141	-	-	-	-	-	-
TOTAL FUNDING SOURCES	99,802	42,926	28,594	28,282	28,282	-	-	-	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 23 Request	2,900	Year First Appropriation	FY16
Appropriation FY 24 Request	-	Last FY's Cost Estimate	94,002
Cumulative Appropriation	96,902		
Expenditure / Encumbrances	80,531		
Unencumbered Balance	16,371		

PROJECT DESCRIPTION

This project provides funding for the design and construction of a new academic building (134,600 gross square feet) supporting science programs, such as biology, chemistry, computer science and cybersecurity, engineering, geology, physics, and the mathematics department, as described in the Collegewide Facilities Master Plan, 2013-2023 (2/16). The new math and science building will replace the Science South and Falcon Hall buildings, which will be demolished, and the new building will be constructed on this site. During FY18, the building was renamed to the Catherine and Isiah Leggett Math and Science Building.

ESTIMATED SCHEDULE

Construction started in November 2019 and is expected to conclude in Summer 2023.

COST CHANGE

Funds of \$2,900,000 were transferred from the Rockville Student Services Center project (P076604). The additional funds are needed to support increased escalation costs.

PROJECT JUSTIFICATION

Under the application of the State space guidelines, the enrollment growth on the Takoma Park/Silver Spring Campus has resulted in a significant instructional space deficit. The Takoma Park/Silver Spring Campus has a Fall 2018 laboratory space deficit of 67,128 NASF and a total space deficit of 731 NASF. The 2028 projected laboratory space deficit is 60,069 NASF and the total space deficit is anticipated to be 74,034 NASF. The construction of the math & science building will address this deficit as well as replace Science South and Falcon Hall, which are in exceedingly poor condition (as identified in the Collegewide Facilities Condition Assessment, 12/13). Relevant studies include the Montgomery College 2025 Strategic Plan, Collegewide Facilities Condition Assessment Update (12/13), and the Collegewide Facilities Master Plan Update (2/21).

OTHER

FY23 Appropriation: \$5,800,000; (\$2,900,000 (G.O. Bonds); \$2,900,000 (State Aid)). Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement. The construction costs in the expenditure schedule (\$71,242,000) include: site improvement costs (\$6,588,000), building construction costs (\$64,654,000). The building construction cost per gross square foot equals \$480 (\$64,654,000/134,600).

DISCLOSURES

A pedestrian impact analysis has been completed for this project. Montgomery College asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

COORDINATION

Facility Planning: College (CIP No. P886686)

PART III: Capital Improvements Projects To Be Closed Out

The following capital projects are closed out effective 30-Jun-2022, and the appropriation for each project is decreased by the amount of the project's unencumbered balance.

Project Number	Project Name
P661801	Collegewide Road/Parking Lot Repairs and Replacements
