

Resolution No: 19-121  
Introduced: May 23, 2019  
Adopted: May 23, 2019

**COUNTY COUNCIL  
FOR MONTGOMERY COUNTY, MARYLAND**

---

By: County Council

---

**SUBJECT:** Approval of Amendments to the Approved FY 2019-2024 Capital Improvements Program, and Approval of and Appropriation for the FY 2020 Capital Budget of Montgomery College

**Background**

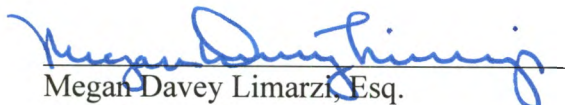
1. As required by the Education Article, Section 16-301 of the Maryland Code, the Montgomery College Board of Trustees sent to the County Executive and County Council an FY 2020 Capital Budget for Montgomery College. The Board also requested amendments to the Approved FY 2019-2024 Capital Improvements Program (CIP).
2. Section 302 of the County Charter requires the Executive to send to the County Council by January 15 in each even-numbered calendar year a 6-year CIP, which the Executive did on January 16, 2018 for the 6-year period FY 2019-2024 (January 15, 2018 fell on a holiday). Section 302 requires the affirmative vote of at least 5 Councilmembers to approve or modify the Executive's Recommended CIP. On May 24, 2018 the Council approved the College's CIP for FY 2019-2024 in Resolution 18-1137. 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 in each year a recommended Capital Budget, which the Executive did on January 15, 2019 for FY 2020. The Executive also sent to the Council his recommendations on amendments to the Approved FY 2019-2024 CIP.
4. On March 15, 2019 the Executive sent to the Council additional recommended amendments to the Approved FY 2019-2024 CIP, and Council staff recommended several other potential amendments.
5. As required by Section 304 of the Charter, notice of a public hearing was given and a public hearing was held on the Capital Budget for FY 2020 and on amendments to the Approved CIP for FY 2019-2024.

**Action**

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

1. For FY 2020, 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 2020 Appropriation” represents the change in total appropriation for a specific project; the total appropriation as of FY 2020 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 2019-2024; and
  - c) to the extent that those appropriations are not expended or encumbered.
3. The Council approves the projects shown in Part II as amendments to the Approved FY 2019-2024 CIP.
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.

  
Megan Davey Limarzi, Esq.  
Clerk of the Council

**PART I: FY20 Capital Budget for  
Montgomery College**

**The appropriations for FY20 in this Part are made to implement the projects in the Capital Improvements Program for FY19 - FY24.**

<b>Project Name (Project Number)</b>	<b>FY20 Appropriation</b>	<b>Cumulative Appropriation</b>	<b>Total Appropriation</b>
ADA Compliance: College (P936660)	50,000	1,453,000	1,503,000
Capital Renewal: College (P096600)	2,000,000	16,888,000	18,888,000
Collegewide Central Plant and Distribution Systems (P662001)	475,000	0	475,000
Collegewide Library Renovations (P661901)	400,000	0	400,000
Collegewide Physical Education Renovations (P661602)	2,000,000	8,000,000	10,000,000
Elevator Modernization: College (P056608)	200,000	4,880,000	5,080,000
Energy Conservation: College (P816611)	225,000	5,093,000	5,318,000
Facility Planning: College (P886686)	270,000	6,047,000	6,317,000
Information Technology: College (P856509)	7,000,000	133,824,000	140,824,000
Instructional Furniture and Equipment: College (P096601)	270,000	2,910,000	3,180,000
Network Infrastructure and Server Operations (P076619)	3,800,000	20,317,000	24,117,000
Planned Lifecycle Asset Replacement: College (P926659)	3,000,000	56,033,000	59,033,000
Planning, Design and Construction (P906605)	1,850,000	29,950,000	31,800,000
Roof Replacement: College (P876664)	250,000	10,065,000	10,315,000
Site Improvements: College (P076601)	700,000	17,334,000	18,034,000
Student Learning Support Systems (P076617)	1,400,000	14,220,000	15,620,000
Takoma Park/Silver Spring Math and Science Center (P076607)	71,242,000	10,276,000	81,518,000
<b>Total - Montgomery College</b>	<b>95,132,000</b>	<b>337,290,000</b>	<b>432,422,000</b>

**PART II: Revised Projects**

**The projects described in this section were revised from, or were not included among, the projects approved by the County Council as they appeared in the Approved FY19 - FY24 Capital Improvements Program (CIP) as of May 24, 2018. These projects are approved.**



# Collegewide Central Plant and Distribution Systems (P662001)

**Category** Montgomery College **Date Last Modified** 05/02/19  
**SubCategory** Higher Education **Administering Agency** Montgomery College  
**Planning Area** Countywide **Status** Preliminary Design Stage

Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	---------------	-------	-------	-------	-------	-------	-------	----------------

### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	500	-	-	500	-	100	100	100	100	100	-
Construction	4,975	-	-	4,975	-	375	900	1,400	900	1,400	-
<b>TOTAL EXPENDITURES</b>	<b>5,475</b>	-	-	<b>5,475</b>	-	<b>475</b>	<b>1,000</b>	<b>1,500</b>	<b>1,000</b>	<b>1,500</b>	-

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	4,000	-	-	4,000	-	-	1,000	1,000	1,000	1,000	-
State Aid	1,475	-	-	1,475	-	475	-	500	-	500	-
<b>TOTAL FUNDING SOURCES</b>	<b>5,475</b>	-	-	<b>5,475</b>	-	<b>475</b>	<b>1,000</b>	<b>1,500</b>	<b>1,000</b>	<b>1,500</b>	-

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 20 Request	475	Year First Appropriation
Cumulative Appropriation	-	Last FY's Cost Estimate
Expenditure / Encumbrances	-	
Unencumbered Balance	-	

## 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

This is a new project in the CIP.

## 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.

Rockville Campus Utilities Master Plan (12/12), Germantown Campus Utilities Master Plan (2/13), Montgomery College 2020 Strategic Plan, College Facilities Master Plan Update (6/18), VFA Facilities Condition Assessment (12/13).

## OTHER

FY20 Appropriation: \$475,000 (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.

## FISCAL NOTE

\$500,000 in State Aid were added in FY22 and FY24 based on the expected allocation of funds from the new Community College Facility Renewal Grant Program, which is funded at 5% of the State's main community college construction grant program. The actual allocation may vary depending on the main program's appropriation, however.

## 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)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	01/09/19
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	710	575	135	-	-	-	-	-	-	-
Construction	9,290	3,783	2,007	3,500	1,500	2,000	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>10,000</b>	<b>4,358</b>	<b>2,142</b>	<b>3,500</b>	<b>1,500</b>	<b>2,000</b>	-	-	-	-

### FUNDING SCHEDULE (\$000s)

Major Facilities Capital Projects Fund (College)	10,000	4,358	2,142	3,500	1,500	2,000	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>10,000</b>	<b>4,358</b>	<b>2,142</b>	<b>3,500</b>	<b>1,500</b>	<b>2,000</b>	-	-	-	-

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 20 Request	2,000	Year First Appropriation	FY16
Cumulative Appropriation	8,000	Last FY's Cost Estimate	8,000
Expenditure / Encumbrances	4,535		
Unencumbered Balance	3,465		

### 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 to support the College's athletic program. This project also funds title IX improvements.

### COST CHANGE

Additional funding needed within this project.

### PROJECT JUSTIFICATION

The Germantown Physical Education building was constructed in 1980, and is 38 years old. The Rockville Physical Education Center was constructed in 1966, and is 52 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 2020 Strategic Plan, Collegewide Master Plan 2013-2023 (2/16), and the Collegewide Facilities Condition Assessment (12/13).

### OTHER

FY19 Appropriation: \$1,500,000 (Major Facilities Capital Projects Fund-MC only). FY20 Appropriation: \$2,000,000 (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).



# Collegewide Road/Parking Lot Repairs and Replacements (P661801)

**Category** Montgomery College **Date Last Modified** 01/09/19  
**SubCategory** Higher Education **Administering Agency** Montgomery College  
**Planning Area** Countywide **Status** Ongoing

Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	155	99	6	50	50	-	-	-	-	-
Construction	845	88	307	450	450	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>1,000</b>	<b>187</b>	<b>313</b>	<b>500</b>	<b>500</b>	-	-	-	-	-

### FUNDING SCHEDULE (\$000s)

Transportation Facilities Capital Projects Fund (College)	1,000	187	313	500	500	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>1,000</b>	<b>187</b>	<b>313</b>	<b>500</b>	<b>500</b>	-	-	-	-	-

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 20 Request	-	Year First Appropriation	FY18
Cumulative Appropriation	1,000	Last FY's Cost Estimate	1,500
Expenditure / Encumbrances	191		
Unencumbered Balance	809		

### PROJECT DESCRIPTION

This project provides funding for the repair, maintenance and improvements of the College's parking lots, roadways, walkways, and associated site infrastructure, such as lighting, signage, site communications, and security, and storm water management.

### COST CHANGE

Funding previously approved for FY20 was deleted at the College's request due to the capacity of the Transportation Facilities Capital Projects Fund to fund the appropriation.

### PROJECT JUSTIFICATION

The College completed a facilities condition assessment in December 2013 that evaluated these systems and identified major repair and/or replacement requirements. Related studies include: the Montgomery College 2020 Strategic Plan, Collegewide Master Plan 2013-2023 (2/16), and the Collegewide Facilities Condition Assessment (12/13).

### OTHER

FY19 Appropriation: \$500,000 (Transportation Facilities Capital Projects Fund-MC only).

### 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), and Site Improvements: College (P076601).



# Energy Conservation: College

(P816611)

**Category** Montgomery College **Date Last Modified** 01/06/19  
**SubCategory** Higher Education **Administering Agency** Montgomery College  
**Planning Area** Countywide **Status** Ongoing

Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	---------------	-------	-------	-------	-------	-------	-------	----------------

### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	3,002	1,996	26	980	80	180	180	180	180	180	-
Site Improvements and Utilities	59	59	-	-	-	-	-	-	-	-	-
Construction	3,325	2,735	20	570	45	45	120	120	120	120	-
Other	132	132	-	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>6,518</b>	<b>4,922</b>	<b>46</b>	<b>1,550</b>	<b>125</b>	<b>225</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	-

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	2,638	2,042	-	596	16	116	116	116	116	116	-
Federal Aid	49	49	-	-	-	-	-	-	-	-	-
G.O. Bonds	3,780	2,780	46	954	109	109	184	184	184	184	-
State Aid	51	51	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>6,518</b>	<b>4,922</b>	<b>46</b>	<b>1,550</b>	<b>125</b>	<b>225</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	-

### OPERATING BUDGET IMPACT (\$000s)

Maintenance			(2,820)	(420)	(440)	(480)	(480)	(500)	(520)	
Energy			(7,410)	(1,110)	(1,160)	(1,210)	(1,260)	(1,310)	(1,360)	
<b>NET IMPACT</b>			<b>(10,230)</b>	<b>(1,530)</b>	<b>(1,600)</b>	<b>(1,670)</b>	<b>(1,740)</b>	<b>(1,810)</b>	<b>(1,880)</b>	
<b>FULL TIME EQUIVALENT (FTE)</b>				<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 20 Request	225	Year First Appropriation	FY81
Cumulative Appropriation	5,093	Last FY's Cost Estimate	5,718
Expenditure / Encumbrances	5,012		
Unencumbered Balance	81		

## 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.

## COST CHANGE

Increase is due to the addition of a mechanical engineer to implement county benchmarking laws.

## 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

FY19 Appropriation: Total - \$125,000; \$109,000 (G.O. Bonds), and \$16,000 (Current Revenue: General). FY20 Appropriation: Total - \$225,000; \$109,000 (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 FY 19-20 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 Facilities Master Plan 2013-2023 (2/16).

**FISCAL NOTE**

The CE's Recommended budget reduces G.O. Bonds by \$75,000 and shifts \$100,000 of the College's requested increase in G.O. Bonds to Current Revenue: General based on allowable uses of G.O. Bonds.

**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 2020 Strategic Plan, Facility Planning: College (CIP No. P886686), Planned Lifecycle Asset Replacement: College (CIP No. P926659), Roof Replacement: College (CIP No. P876664)



# Germantown Observation Drive Reconstruction (P096604)

**Category** Montgomery College **Date Last Modified** 05/20/19  
**SubCategory** Higher Education **Administering Agency** Montgomery College  
**Planning Area** Germantown and Vicinity **Status** Ongoing

Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	91	91	-	-	-	-	-	-	-	-
Site Improvements and Utilities	723	673	-	50	50	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>814</b>	<b>764</b>	<b>-</b>	<b>50</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	814	764	-	50	50	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>814</b>	<b>764</b>	<b>-</b>	<b>50</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 20 Request	-	Year First Appropriation	FY09
Cumulative Appropriation	1,000	Last FY's Cost Estimate	1,000
Expenditure / Encumbrances	814		
Unencumbered Balance	186		

### PROJECT DESCRIPTION

This project funds the design for reconstruction of the existing main entrance road, and for signage at the Observation Drive/MD-118 entrance into the Campus. On-going repairs to the main road on the Germantown Campus are no longer sufficient and existing conditions require a major reconstruction. Originally constructed in the mid 1970's, this road was largely constructed on grade without the sub-base construction that is now typical for roads with the heavy vehicle and bus traffic that the Campus operations impose.

### COST CHANGE

The project's unencumbered balance was reallocated to other projects in FY20.

### PROJECT JUSTIFICATION

During the Fall 2014 semester, 7,316 students attended the Germantown campus, and the existing main entrance road (Observation Drive) is inadequate for serving the current and growing student body and requires reconstruction due to the heavy vehicle and bus traffic currently experienced on the campus. According to the Geotechnical Report for Observation Drive Pavement Assessment, problems identified with the existing Observation Drive are the non-existent sub base, longitudinal cracks, alligator cracks, potholes, and raveling. Related studies include the Montgomery College 2020 Strategic Plan, Collegewide Facilities Condition Assessment (12/13), and the Geotechnical Report for Observation Drive Pavement Assessment (5/07).

### OTHER

Funding Source: G.O. Bonds.

### COORDINATION

Site Improvements: College (CIP No. P076601)



# Germantown Student Services Center (P076612)

**Category** Montgomery College **Date Last Modified** 05/20/19  
**SubCategory** Higher Education **Administering Agency** Montgomery College  
**Planning Area** Germantown and Vicinity **Status** Planning Stage

	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	9,154	-	-	9,154	-	-	-	2,500	6,654	-	-
Construction	47,888	-	-	20,847	-	-	-	-	-	20,847	27,041
Other	4,920	-	-	-	-	-	-	-	-	-	4,920
<b>TOTAL EXPENDITURES</b>	<b>61,962</b>	-	-	<b>30,001</b>	-	-	-	<b>2,500</b>	<b>6,654</b>	<b>20,847</b>	<b>31,961</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	30,981	-	-	15,001	-	-	-	1,250	3,327	10,424	15,980
State Aid	30,981	-	-	15,000	-	-	-	1,250	3,327	10,423	15,981
<b>TOTAL FUNDING SOURCES</b>	<b>61,962</b>	-	-	<b>30,001</b>	-	-	-	<b>2,500</b>	<b>6,654</b>	<b>20,847</b>	<b>31,961</b>

<b>APPROPRIATION AND EXPENDITURE DATA (\$000s)</b>											
Appropriation FY 20 Request				-	Year First Appropriation						
Cumulative Appropriation				-	Last FY's Cost Estimate						
Expenditure / Encumbrances				-							
Unencumbered Balance				-							
					59,579						

## PROJECT DESCRIPTION

This project provides funds for the design and construction of a new student services center (approximately 95,000 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, as well as media and academic computing support functions.

## COST CHANGE

The cost of this project has increased to match the State's allowable cost escalation factor of 4 percent, budgeted in the beyond-6 Year period.

## 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 2017 space deficit of 74,805 NASF, and a 2027 projected space deficit of 75,519. Relevant studies include the Montgomery College 2020 Strategic Plan, and Collegewide Facilities Master Plan 2013-2023 (2/16).

## OTHER

Funding Sources: G.O. Bonds and State Aid. State share of project is based on anticipated eligible costs. 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 (\$47,888,000) include: site improvement costs (\$9,216,000), building construction costs (\$38,672,000). The building construction cost per gross square foot equals \$407 (\$38,672,000/95,000).

## 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

Sciences and Applied Studies Building Alterations (CIP# P056605)



# Information Technology: College

(P856509)

**Category** Montgomery College **Date Last Modified** 05/20/19  
**SubCategory** Higher Education **Administering Agency** Montgomery College  
**Planning Area** Countywide **Status** Ongoing

Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	---------------	-------	-------	-------	-------	-------	-------	----------------

### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	4,288	4,054	234	-	-	-	-	-	-	-
Construction	21,945	18,897	48	3,000	500	500	500	500	500	500
Other	148,591	97,102	5,712	48,777	7,277	6,500	7,000	7,500	8,750	8,750
<b>TOTAL EXPENDITURES</b>	<b>174,824</b>	<b>120,053</b>	<b>5,994</b>	<b>48,777</b>	<b>7,777</b>	<b>7,000</b>	<b>7,500</b>	<b>8,000</b>	<b>9,250</b>	<b>9,250</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	110,264	55,493	5,994	48,777	7,777	7,000	7,500	8,000	9,250	9,250
G.O. Bonds	4,603	4,603	-	-	-	-	-	-	-	-
PAYGO	2,041	2,041	-	-	-	-	-	-	-	-
Recordation Tax	57,916	57,916	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>174,824</b>	<b>120,053</b>	<b>5,994</b>	<b>48,777</b>	<b>7,777</b>	<b>7,000</b>	<b>7,500</b>	<b>8,000</b>	<b>9,250</b>	<b>9,250</b>

### OPERATING BUDGET IMPACT (\$000s)

<b>FULL TIME EQUIVALENT (FTE)</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
-----------------------------------	----------	----------	----------	----------	----------	----------

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 20 Request	7,000	Year First Appropriation	FY85
Cumulative Appropriation	133,824	Last FY's Cost Estimate	176,324
Expenditure / Encumbrances	124,746		
Unencumbered Balance	9,078		

## 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; associated cabling systems, equipment closets, and IT space construction; and the replacement/upgrade of IT equipment to meet current 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 collegewide strategic planning efforts. The Office of Information Technology (OIT) determines and recommends the hardware, software, and services to be purchased. Four technical staff positions are funded by this project.

## COST CHANGE

FY20 was reduced by \$1,500,000 due to capacity constraints. In addition, \$1,000,000 in FY21 and \$500,000 in FY22 was shifted to FY23 and FY24 (\$750,000 in each year) due to capacity constraints.

## 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

FY19 Appropriation: \$5,877,000 (Current Revenue: General). FY20 Appropriation: \$7,000,000 (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**

MC2020 Strategic Plan, Academic Master Plan (2015), Facilities Master Plan 2013-2023 (2/16), Information Technology Master Plan, Student Affairs Master Plan (draft), and campus building renovation projects. Expenditures are made in alignment with the priorities and guidelines established by these documents.



# Network Infrastructure and Server Operations (P076619)

**Category** Montgomery College **Date Last Modified** 05/20/19  
**SubCategory** Higher Education **Administering Agency** Montgomery College  
**Planning Area** Countywide **Status** Ongoing

	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	5,704	4,624	-	1,080	180	180	180	180	180	180	-
Construction	1,974	1,374	-	600	100	100	100	100	100	100	-
Other	31,639	9,076	1,843	20,720	3,120	3,520	3,020	3,420	3,820	3,820	-
<b>TOTAL EXPENDITURES</b>	<b>39,317</b>	<b>15,074</b>	<b>1,843</b>	<b>22,400</b>	<b>3,400</b>	<b>3,800</b>	<b>3,300</b>	<b>3,700</b>	<b>4,100</b>	<b>4,100</b>	-

<b>FUNDING SCHEDULE (\$000s)</b>											
Current Revenue: General	37,897	13,654	1,843	22,400	3,400	3,800	3,300	3,700	4,100	4,100	-
Recordation Tax	1,420	1,420	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>39,317</b>	<b>15,074</b>	<b>1,843</b>	<b>22,400</b>	<b>3,400</b>	<b>3,800</b>	<b>3,300</b>	<b>3,700</b>	<b>4,100</b>	<b>4,100</b>	-

<b>OPERATING BUDGET IMPACT (\$000s)</b>											
<b>FULL TIME EQUIVALENT (FTE)</b>					6	6	6	6	6	6	

<b>APPROPRIATION AND EXPENDITURE DATA (\$000s)</b>			
Appropriation FY 20 Request	3,800	Year First Appropriation	FY07
Cumulative Appropriation	20,317	Last FY's Cost Estimate	39,317
Expenditure / Encumbrances	17,763		
Unencumbered Balance	2,554		

## 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

Due to capacity constraints, \$600,000 in total was shifted from FY21 (-\$500,000) and FY22 (-\$100,000) into FY23 (\$300,000) and FY24 (\$300,000).

## 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

FY19 Appropriation: \$3,400,000 (Current Revenue: General). FY20 Appropriation: \$3,800,000 (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**

MC2020 Strategic Plan, Academic Master Plan (2015), Facilities Master Plan 2013-2023 (2/16), Information Technology Master Plan, Student Affairs Master Plan (draft), 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)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	05/21/19
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	---------------	-------	-------	-------	-------	-------	-------	----------------

### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	8,313	4,452	1,461	2,400	400	400	400	400	400	400	-
Construction	58,660	41,822	3,988	12,850	3,600	2,600	2,100	1,319	1,460	1,771	-
Other	310	294	16	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>67,283</b>	<b>46,568</b>	<b>5,465</b>	<b>15,250</b>	<b>4,000</b>	<b>3,000</b>	<b>2,500</b>	<b>1,719</b>	<b>1,860</b>	<b>2,171</b>	-

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	1,940	1,940	-	-	-	-	-	-	-	-	-
G.O. Bonds	65,343	44,628	5,465	15,250	4,000	3,000	2,500	1,719	1,860	2,171	-
<b>TOTAL FUNDING SOURCES</b>	<b>67,283</b>	<b>46,568</b>	<b>5,465</b>	<b>15,250</b>	<b>4,000</b>	<b>3,000</b>	<b>2,500</b>	<b>1,719</b>	<b>1,860</b>	<b>2,171</b>	-

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 20 Request	3,000	Year First Appropriation	FY93
Cumulative Appropriation	56,033	Last FY's Cost Estimate	76,033
Expenditure / Encumbrances	48,138		
Unencumbered Balance	7,895		

## 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.

## COST CHANGE

FY20-24 reduced by \$8,750,000 in G.O. Bonds due to spending capacity: FY20 \$1,000,000, FY21 by \$1,500,000, FY22 by \$2,281,000, FY23 by \$2,140,000, and FY24 by \$1,829,000.

## 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 \$85 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 2020 Strategic Plan, Collegewide Master Plan 2013-2023 (2/16), and the County Council Report of the Infrastructure Maintenance Task Force (3/16).

## OTHER

FY19 Appropriation: \$4,000,000 (G.O. Bonds). FY20 Appropriation: \$3,000,000 (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); and \$250,000 to the Takoma Park Expansion Project (CIP No. P996662) (BOT Resol. #07-01-005 - 1/16/07). 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).

## **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), Macklin Tower Alterations (CIP No. P036603), Roof Replacement: College (CIP No. P876664), Computer Science Alterations (CIP No. P046602).



# Planning, Design and Construction (P906605)

**Category** Montgomery College  
**SubCategory** Higher Education  
**Planning Area** Countywide  
**Date Last Modified** 05/21/19  
**Administering Agency** Montgomery College  
**Status** Ongoing

Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	---------------	-------	-------	-------	-------	-------	-------	----------------

### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	30,057	20,955	779	8,323	1,353	1,394	1,394	1,394	1,394	1,394	-
Construction	9,143	6,420	-	2,723	443	456	456	456	456	456	-
<b>TOTAL EXPENDITURES</b>	<b>39,200</b>	<b>27,375</b>	<b>779</b>	<b>11,046</b>	<b>1,796</b>	<b>1,850</b>	<b>1,850</b>	<b>1,850</b>	<b>1,850</b>	<b>1,850</b>	-

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	19,470	14,613	389	4,468	828	728	728	728	728	728	-
G.O. Bonds	19,730	12,762	390	6,578	968	1,122	1,122	1,122	1,122	1,122	-
<b>TOTAL FUNDING SOURCES</b>	<b>39,200</b>	<b>27,375</b>	<b>779</b>	<b>11,046</b>	<b>1,796</b>	<b>1,850</b>	<b>1,850</b>	<b>1,850</b>	<b>1,850</b>	<b>1,850</b>	-

### OPERATING BUDGET IMPACT (\$000s)

<b>FULL TIME EQUIVALENT (FTE)</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>
-----------------------------------	-----------	-----------	-----------	-----------	-----------	-----------

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 20 Request	1,850	Year First Appropriation	FY90
Cumulative Appropriation	29,950	Last FY's Cost Estimate	38,650
Expenditure / Encumbrances	28,655		
Unencumbered Balance	1,295		

## 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 in FY20 is due to a 3% salary increase approved during the FY19 operating budget cycle. The FY20 Approved budget also replaced \$127,000 in Current Revenue: General with G.O. Bonds in FY20, FY23, and FY24, and replaced \$197,000 in Current Revenue: General in FY22 and FY23 with G.O. Bonds.

## 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

FY19 Appropriation: \$1,796,000; \$968,000 (G.O. Bonds) and \$828,000 (Current Revenue: General). FY20 Appropriation: \$1,850,000; \$1,122,000 (G.O. Bonds) and \$728,000 (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). 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.

## DISCLOSURES

Expenditures will continue indefinitely.



# Rockville Parking Garage (P136601)

**Category** Montgomery College **Date Last Modified** 01/07/19  
**SubCategory** Higher Education **Administering Agency** Montgomery College  
**Planning Area** Rockville **Status** Ongoing

Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	2,800	2,584	216	-	-	-	-	-	-	-
Construction	25,840	25,337	503	-	-	-	-	-	-	-
Other	160	90	70	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>28,800</b>	<b>28,011</b>	<b>789</b>	-	-	-	-	-	-	-

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	15,550	15,541	9	-	-	-	-	-	-	-
Revenue Authority	13,250	12,470	780	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>28,800</b>	<b>28,011</b>	<b>789</b>	-	-	-	-	-	-	-

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 20 Request	-	Year First Appropriation	FY15
Cumulative Appropriation	29,700	Last FY's Cost Estimate	29,700
Expenditure / Encumbrances	27,941		
Unencumbered Balance	1,759		

### PROJECT DESCRIPTION

This project provides design and construction funding for a 922 space parking garage on the Rockville Campus. The proposed 7 level parking garage will be located north of the Physical Education Building, and will be built on 120 existing parking spaces for a net gain of 802 spaces. The exposed north and west walls will be screened with plantings or architectural elements, while the south side will be adjacent to the PE addition.

### ESTIMATED SCHEDULE

Project construction was completed in January 2017.

### COST CHANGE

The project's unencumbered balance was reallocated to other projects in FY20.

### PROJECT JUSTIFICATION

The Rockville Campus currently has 3,497 spaces but needs 5,639 spaces resulting in a deficit of 2,142 spaces (Fall 2014). This deficit is only expected to get worse within the next 10 years with an increase to 3,930 spaces. The parking deficit must be addressed, or this could adversely effect student enrollment at Montgomery College. Related studies include the Montgomery College 2020 Strategic Plan, Collegewide Master Plan 2013-2023 (2/16), and a Collegewide Parking Analysis Montgomery College Maryland, (Desman Associates, 3/06).

### OTHER

Funding Sources: G.O. Bonds, and Revenue Authority.

### DISCLOSURES

A pedestrian impact analysis has been completed for this project.

### COORDINATION

City of Rockville, Montgomery County Revenue Authority, Rockville Student Services Center (CIP #P076604)



# Student Learning Support Systems (P076617)

**Category** Montgomery College **Date Last Modified** 05/20/19  
**SubCategory** Higher Education **Administering Agency** Montgomery College  
**Planning Area** Countywide **Status** Ongoing

Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	---------------	-------	-------	-------	-------	-------	-------	----------------

### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	6,336	3,857	79	2,400	400	400	400	400	400	400	-
Other	14,884	7,791	1,493	5,600	600	1,000	500	900	1,300	1,300	-
<b>TOTAL EXPENDITURES</b>	<b>21,220</b>	<b>11,648</b>	<b>1,572</b>	<b>8,000</b>	<b>1,000</b>	<b>1,400</b>	<b>900</b>	<b>1,300</b>	<b>1,700</b>	<b>1,700</b>	-

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	20,858	11,286	1,572	8,000	1,000	1,400	900	1,300	1,700	1,700	-
Recordation Tax	362	362	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>21,220</b>	<b>11,648</b>	<b>1,572</b>	<b>8,000</b>	<b>1,000</b>	<b>1,400</b>	<b>900</b>	<b>1,300</b>	<b>1,700</b>	<b>1,700</b>	-

### OPERATING BUDGET IMPACT (\$000s)

<b>FULL TIME EQUIVALENT (FTE)</b>				<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
-----------------------------------	--	--	--	----------	----------	----------	----------	----------	----------	----------

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 20 Request	1,400	Year First Appropriation	FY07
Cumulative Appropriation	14,220	Last FY's Cost Estimate	21,220
Expenditure / Encumbrances	13,199		
Unencumbered Balance	1,021		

## 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.

## COST CHANGE

Due to capacity constraints, \$600,000 in total was shifted from FY21 (-\$500,000) and FY22 (-\$100,000) into FY23 (\$300,000) and FY24 (\$300,000).

## 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

FY19 Appropriation: \$1,000,000 (Current Revenue: General). FY20 Appropriation: \$1,400,000 (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

MC2020 Strategic Plan, Academic Master Plan (2015), Facilities Master Plan 2013-2023 (2/16), Information Technology Master Plan, Student Affairs Master Plan (draft), and campus building renovation projects. Expenditures are made in alignment with the priorities and guidelines established by these documents.



# Takoma Park/Silver Spring Math and Science Center (P076607)

**Category** Montgomery College **Date Last Modified** 05/16/19  
**SubCategory** Higher Education **Administering Agency** Montgomery College  
**Planning Area** Silver Spring and Vicinity **Status** Planning Stage

Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	---------------	-------	-------	-------	-------	-------	-------	----------------

### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	10,276	128	1,372	8,776	4,582	4,194	-	-	-	-
Construction	71,242	-	-	71,242	-	8,994	27,464	22,302	12,482	-
Other	7,124	-	-	7,124	-	-	7,124	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>88,642</b>	<b>128</b>	<b>1,372</b>	<b>87,142</b>	<b>4,582</b>	<b>13,188</b>	<b>27,464</b>	<b>29,426</b>	<b>12,482</b>	-

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	44,321	64	686	43,571	2,291	6,594	13,732	14,713	6,241	-
State Aid	44,321	64	686	43,571	2,291	6,594	13,732	14,713	6,241	-
<b>TOTAL FUNDING SOURCES</b>	<b>88,642</b>	<b>128</b>	<b>1,372</b>	<b>87,142</b>	<b>4,582</b>	<b>13,188</b>	<b>27,464</b>	<b>29,426</b>	<b>12,482</b>	-

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 20 Request	71,242	Year First Appropriation	FY16
Cumulative Appropriation	10,276	Last FY's Cost Estimate	85,628
Expenditure / Encumbrances	9,587		
Unencumbered Balance	689		

### 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.

### COST CHANGE

Project expenditures assume that a portion of Information Technology (IT) equipment costs may be funded through the Information Technology (No. P856509) project. The cost of the project has increased to match the State's allowed cost escalation of 4 percent.

### 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 2017 laboratory space deficit of 60,324 NASF and a total space deficit of 24,801 NASF. The 2027 projected laboratory space deficit is 58,137 NASF and the total space deficit is anticipated to be 101,488 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 2020 Strategic Plan, Collegewide Facilities Condition Assessment Update (12/13), and the Collegewide Facilities Master Plan 2013-2023 (2/16).

### OTHER

FY19 Appropriation: 0 FY20 Appropriation: \$71,242,000; \$35,621,000 (G.O. Bonds), and \$35,621,000 (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 June 30, 2019, and the appropriation for each project is decreased by the amount of the project's unencumbered balance.**

---

<b>Project Number</b>	<b>Project Name</b>
P096604	Germantown Observation Drive Reconstruction
P076618	Network Operating Center/Datacenter

---