

**M E M O R A N D U M**

March 4, 2020

TO: Education and Culture Committee

FROM: Craig Howard, Deputy Director *CH*

SUBJECT: **Worksession – Montgomery College FY20 Capital Budget and Amendment to the FY19-24 Capital Improvements Program**

PURPOSE: Review and Make Recommendations for Council Consideration

**Expected Participants:**

- Dr. DeRionne Pollard, President, Montgomery College
- Donna Schena, Senior Vice President for Administrative and Fiscal Services
- Marvin Mills, Vice President for Facilities and Public Safety, Montgomery College
- John McLean, Director of Capital Planning and Design, Montgomery College
- Kristina Schramm, Capital Budget Analyst, Montgomery College
- Rafael Murphy, Montgomery County Office of Management and Budget

**Staff Report Summary/Key Recommendations**

- The Executive's recommendation for Montgomery College's FY21-26 CIP is \$28.55 million below the College's request.
- Per the request of the Committee Chair, the College submitted a list of non-recommended reductions to align with the Executive's affordability constraints.
- The College's non-recommended reductions largely maintain the funding requested for collegewide level of effort projects (although with some delays within the CIP timeframe), while significantly delaying or removing costs related to new construction or facility renovation.
- Staff recommends that the Committee approve the non-recommended reductions submitted by the College and endorse the priority list for restoration if funding allows during final CIP reconciliation.

## A. Overview

- Montgomery College's FY21-26 CIP request totals \$341.4 million, a \$65.2 million increase over the FY19-24 Amended CIP.
- The County Executive's recommended FY21-26 CIP for the College is \$312.9 million, a \$36.7 million increase over the prior CIP but a \$28.6 million or 8.4% decrease from the College request.

### Montgomery College FY21-26 CIP Request compared to CE Recommended (\$ in 000's)

	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26
<b>FY19-24 Amended</b>	<b>276,189</b>	<b>42,768</b>	<b>37,178</b>	<b>48,554</b>	<b>54,035</b>	<b>43,241</b>	<b>50,413</b>		
<b>FY21-26 MC Request</b>	<b>341,420</b>			<b>59,969</b>	<b>60,267</b>	<b>57,921</b>	<b>50,110</b>	<b>82,174</b>	<b>30,979</b>
change from amended	<b>65,231</b>	n/a	n/a	11,415	6,232	14,680	(303)	n/a	n/a
<b>FY21-26 CE Recommended</b>	<b>312,850</b>			<b>50,084</b>	<b>55,851</b>	<b>50,206</b>	<b>52,482</b>	<b>64,893</b>	<b>39,334</b>
change from amended	<b>36,661</b>	n/a	n/a	1,530	1,816	6,965	2,069	n/a	n/a
change from MC Request (\$)	<b>(28,570)</b>	n/a	n/a	(9,885)	(4,416)	(7,715)	2,372	(17,281)	8,355
change from MC Request (%)	<b>(8.4%)</b>	n/a	n/a	(16.5%)	(7.3%)	(13.3%)	4.7%	(21.0%)	27.0%

**Summary of College request.** While the College's six-year CIP request totals \$341.4 million, the FY21 appropriation request totals \$32.5 million. The College's transmittal letter and summary tables are at ©1-4. Highlights of the College's request include:

- One new project, the **Germantown Student Affairs and Sciences Building Renovation Phase 2**, to fund the demolition of the north side of the existing building and rebuild a new three-story addition. The College requests planning funding for this project beginning in FY26, with funding split 50/50 between the County and the State.
- The **Germantown Student Services Center** project increases by \$23.8 million over the six-year period (split 50/50 between the County and the State) to expand the scope to include a library and a bookstore.
- Several changes to the **Collegewide Library Renovations** project, including: 1) removing the Germantown library from the project as it is now added to the Student Services Center project; 2) accelerating \$4.75 million in funding for the Takoma Park/Silver Spring Library to FY21 from FY24; and 3) requesting \$10.9 million for the Rockville Library renovation in FY23 (split 50/50 between the County and the State).
- Funding increases for several collegewide, level of effort projects – **ADA Compliance; Planned Lifecycle Asset Replacement; Information Technology; Roof Replacements; Planning, Design, and Construction; and Site Improvements.**
- Construction cost escalation increase of 4.0% for the **Takoma Park/Silver Spring Math and Science Center Project** as allowed by the State. Since submitting its request, an additional 5.3% cost escalation factor was included in the Governor's January 2020 budget recommendation. As a result, the College is requesting that the Council fund the full 9.3% cost escalation factor.

**Summary of County Executive recommendation.** The Executive's FY21-26 recommendation of \$312.9 million for the six-year CIP, \$28.6 million less than the College's request, is based on affordability considerations for G.O. Bonds and Current Revenue (©5-8). The Executive's recommendation is an increase of \$36.7 million or 13.3% over the Amended FY19-24 CIP. The Executive does not recommend specific reductions to projects, instead including year-by-year changes in an affordability PDF.

**B. College Affordability Reconciliation (PDF at ©17) and Non-Recommended Reductions**

MC Affordability Reconciliation	Total 6 Years	FY21	FY22	FY23	FY24	FY25	FY26
<b>CE Recommendation</b>	<b>(28,550)</b>	<b>(9,875)</b>	<b>(4,406)</b>	<b>(7,715)</b>	<b>2,372</b>	<b>(17,281)</b>	<b>8,355</b>
G.O. Bonds	(28,550)	(7,875)	(3,706)	(9,065)	1,022	(17,281)	8,355
Current Revenue	-	(2,000)	(700)	1,350	1,350	-	-

The Executive's total affordability reduction of \$28.55 million comes from a reduction in G.O. Bonds. However, the Executive's recommendation does include shifts in Current Revenue between years. While the Executive does not identify specific projects for these reductions, the Council will need to discuss how these reductions might be applied to individual projects. Additionally, reductions made to specific projects to meet the affordability targets will need to align with both the funding sources and years identified by the Executive.

**College Non-Recommended Reductions.** On February 13, Committee Chair Rice requested that the College submit a list of non-recommended reductions to meet the Executive's affordability constraints (©9). On February 28, the College submitted a response (©11) that includes a set of non-recommended reductions as shown in the table below – listed by priority order for restoration as funds allow. **The College's non-recommended reductions largely maintain the funding requested for collegewide level of effort projects (although with some delays within the CIP timeframe), while significantly delaying or removing costs related to new construction or facility renovation.**

**Montgomery College Non-Recommended Reductions**

Project	Total 6 Years	FY21	FY22	FY23	FY24	FY25	FY26	Beyond 6 Years
<b>GO Bonds</b>								
1 TP/SS Math & Science	1,742	300	1,442	-	-	-	-	-
2 PLAR	13	(1,800)	(1,031)	(83)	2,927	-	-	-
3 ADA Compliance	-	(25)	(25)	-	50	-	-	-
4 Collegewide Library Renov.	(9,455)	(4,750)	-	(5,465)	760	-	-	4,750
5 Roof Replacements	(1,340)	(750)	(1,250)	(1,340)	2,000	-	-	-
6 Site Improvements	(900)	(800)	(100)	(100)	100	-	-	-
7 Capital Renewal	558	-	(1,442)	-	2000	-	-	-
8 Planning, Design, and Const.	-	(50)	(50)	-	100	-	-	-
9 G'town Student Services	(17,418)	-	(1,250)	(2,077)	(6,915)	(17,281)	10,105	17,418
10 G'town Student Affairs-Ph2	(1,750)	-	-	-	-	-	(1,750)	1,750
<b>Current Revenue</b>								
n/a IT Projects	-	(2,000)	(700)	1,350	1,350	-	-	-
<b>Total Reductions</b>	<b>(28,550)</b>	<b>(9,875)</b>	<b>(4,406)</b>	<b>(7,715)</b>	<b>2,372</b>	<b>(17,281)</b>	<b>8,355</b>	<b>23,918</b>

### C. Consent Projects and Technical Modifications

The College's request includes several projects with either minimal or no changes to project scope, cost, or timing from the Amended FY19-24 CIP. Additionally, the Executive recommends technical modifications to two projects with concurrence by the College.

Project Name	Comments	PDF at:
Collegewide Central Plant and Distribution Systems	<ul style="list-style-type: none"><li>• Same level of effort as current approved CIP</li><li>• \$1.0 million in odd years and \$1.5 million in even years</li></ul>	©18
Collegewide Road/Parking Lot Repairs and Replacements	No new funding or appropriation requested	©22
Elevator Modernization	<ul style="list-style-type: none"><li>• Same level of effort as current approved CIP</li><li>• \$200,000 per year</li></ul>	©23
Energy Conservation: College	<ul style="list-style-type: none"><li>• Same level of effort as current approved CIP</li><li>• \$300,000 per year</li></ul>	©24
Facility Planning: College	<ul style="list-style-type: none"><li>• Same level of effort as current approved CIP</li><li>• \$270,000 per year</li></ul>	©26
Germantown Science & Applied Studies Phase-1 Renovation	<ul style="list-style-type: none"><li>• No new funding or appropriation requested</li><li>• CE recommends technical modification to maintain approved funding levels for G.O. Bonds and State Aid</li></ul>	©27
Instructional Furniture and Equipment	<ul style="list-style-type: none"><li>• Same level of effort as current approved CIP</li><li>• \$270,000 per year</li></ul>	©35
Rockville Macklin Tower Alterations	Pending close out in FY21	©36
Rockville Parking Garage	<ul style="list-style-type: none"><li>• To be closed out in FY21</li><li>• CE recommends technical modification to adjust appropriation to equal total project costs as Council intended in FY20</li></ul>	©42
Rockville Student Services Center	No new funding or appropriation requested	©45

### D. Individual Projects for Discussion

This section reviews individual collegewide or campus projects with changes in scope, cost, or timing, either as part of the College's initial request or as part of the non-recommended reductions.

**Infrastructure Maintenance Task Force (IMTF) Report.** Several collegewide projects were reviewed in the most recent Infrastructure Maintenance Task Force (IMTF) Report published in February 2020. The report identifies an Acceptable Annual Replacement Cost (AARC) of how much money should be budgeted annually for replacement or rehabilitation so that, if continued, ultimately the entire inventory of the element will last over its acceptable life span. For each relevant project, Council Staff notes the College's request in comparison to the report's AARC amount.

## 1. Collegewide Physical Education Renovations (PDF at ©21)

	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26
<b>FY19-24 Amended</b>	<b>3,500</b>	1,500	2,000	-	-	-	-		
<b>FY21-26 MC Request</b>	<b>9,000</b>			1,500	1,500	1,500	1,500	1,500	1,500
change from amended	5,500	n/a	n/a	1,500	1,500	1,500	1,500	n/a	n/a
% change from amended	157.1%	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

This project provides funding for the renovation of the Germantown and Rockville physical education buildings, sports turf to support the College's athletic programs, redeveloping the Germantown campus baseball field to meet Division 1 requirements, and Title IX improvements. The College requests an appropriation of \$1.5 million for this project in FY21 and continues that same amount as level of effort funding across the six-year period. No County funds are requested, as the College proposes to continue to fund this project from the student fee-supported Major Facilities Capital Projects Fund.

## 2. Planned Lifecycle Asset Replacement (PLAR) (PDF ©39-40)

	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26
<b>FY19-24 Amended</b>	<b>15,250</b>	4,000	3,000	2,500	1,719	1,860	2,171		
<b>FY21-26 MC Request</b>	<b>24,000</b>			4,000	4,000	4,000	4,000	4,000	4,000
change from amended	8,750	n/a	n/a	1,500	2,281	2,140	1,829	n/a	n/a
% change from amended	57.4%	n/a	n/a	60.0%	132.7%	115.1%	84.2%	n/a	n/a
<b>MC Non-Rec Reduction</b>	<b>13</b>			2,200	2,969	3,917	6,927	4,000	4,000

This project funds a comprehensive lifecycle renewal and replacement program to protect the investment in College facilities and equipment and to meet current safety and environmental requirements.

The College requests \$4.0 million per year in level of effort funding for this project between FY21-26. This would return the project to the same funding levels as the initial Approved FY19-24 CIP. The Council reduced funding in the Amended FY19-24 CIP due to affordability concerns. The \$8.75 million increase over the six-year period essentially reflects restoring the prior funding levels.

The IMTF notes an AARC for College PLAR of \$7.6 million per year, with a total backlog of \$158.2 million. The College's annual request is 53% of the AARC. Over the next two years, the College notes that the requested PLAR funding would cover the following improvements:

- Structural decking and exterior stairs repair near the Rockville Physical Education Building;
- Ceiling and lighting repair at the Germantown cafeteria;
- Collegewide BTU replacements/submetering;
- TP/SS East Garage security camera installations;
- TP/SS pedestrian bridge repairs;
- Mass notification systems at the Rockville and TP/SS Campus; and
- Rockville pool filtration room structural repair.

**Non-Recommended Reduction.** Overall, the College's six-year request would remain mostly unchanged (small increase of \$13,000). However, approximately \$2.9 million in expenditures would be delayed from FY21-23 until FY24.

### 3. Capital Renewal (PDF ©16)

	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26
<b>FY19-24 Amended</b>	<b>12,000</b>	2,000	2,000	2,000	2,000	2,000	2,000		
<b>FY21-26 MC Request</b>	<b>12,000</b>			2,000	2,000	2,000	2,000	2,000	2,000
change from amended	-	n/a	n/a	-	-	-	-	n/a	n/a
% change from amended	0.0%	n/a	n/a	0.0%	0.0%	0.0%	0.0%	n/a	n/a
<b>MC Non-Rec Reduction</b>	<b>12,558</b>			2,000	558	2,000	4,000	2,000	2,000

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. It also replaces aging building systems and updates facilities to current building codes and regulations.

The College's FY21-26 request maintains the same level of effort funding as the Amended FY19-24 CIP of \$2.0 million per year. In the first two years of the CIP, the College plans to use the requested funding to renovate the former Rockville Childcare Center and the Rockville Counseling and Advising Building (CAB). The former Childcare Center, currently empty, will be renovated to house the campus Facilities Office while the CAB will be renovated to support additional classroom and office support space. Currently, only 50% of the CAB is occupied because the elevator was shut down by the Rockville City Fire Marshall and the entire building will be vacated this summer to fix flooding/drainage issues and to replace the HVAC system.

**Non-Recommended Reduction.** The College's non-recommended reduction would increase the six-year funding total by \$558,000 overall but would defer funding from FY22 to FY24. The College reports that this action would defer planned renovations to the former Rockville Childcare Center and the Rockville Counseling and Advising Building and extend the time that those buildings will be vacant.

### 4. Planning, Design, and Construction (PDF at ©41)

	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26
<b>FY19-24 Amended</b>	<b>11,046</b>	1,796	1,850	1,850	1,850	1,850	1,850		
<b>FY21-26 MC Request</b>	<b>11,400</b>			1,900	1,900	1,900	1,900	1,900	1,900
change from amended	354	n/a	n/a	50	50	50	50	n/a	n/a
% change from amended	3.2%	n/a	n/a	2.7%	2.7%	2.7%	2.7%	n/a	n/a
<b>MC Non-Rec Reduction</b>	<b>11,400</b>			1,850	1,850	1,900	2,000	1,900	1,900

This project funds 16 full-time positions in the Division of Facilities and Security Office that plan, design, and manage the College's capital program. The positions include Project Manager (7), Administrative Aide, Architect (2), Engineer, GIS Coordinator, Architectural Drafter/Designer, Construction Services Supervisor, and Construction Trades Worker (2).

The College requests an increase of \$354,000 for this project over the six-year period, and the FY21 increase is \$50,000 to reflect a 2% salary increase College employees received in FY20 (+\$37,000) and to gradually increase the baseline funding for the project (+\$13,000) since current salary costs exceed funding levels.

As the Committee discussed when reviewing the FY19-24 CIP Amendments, the College's appropriation requests in recent years have been lower than the total annual salary and benefit costs in the project. For example, in FY20 the total requested appropriation for this project was \$1.85 million, but the total salary and benefit costs paid out of the project are around \$2.0 million.

In prior years, the College has transferred unused funds from other projects into Planning, Design and Construction to provide a carryover balance to cover the annual difference. Most recently, \$700,000 was transferred into the project in FY16 from the Bioscience Education Center project and \$280,000 was transferred from the Science West Building Renovation project in FY19. The College estimates a deficit in this project that will need to be addressed by FY24, but the deficit would be \$200,000 larger without the requested increase.

#### Montgomery College Planning, Design, and Construction Salary Projections

<b>Current Approved</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>
County Appropriation	1,850,000	1,850,000	1,850,000	1,850,000	1,850,000	1,850,000
Carry Forward	948,000	641,000	334,000	27,000	(280,000)	(587,000)
Total Available Funding	2,798,000	2,491,000	2,184,000	1,877,000	1,570,000	1,263,000
<b>Less:</b>						
Salary Expenses	2,157,000	2,157,000	2,157,000	2,157,000	2,157,000	2,157,000
<b>Total Remaining</b>	<b>641,000</b>	<b>334,000</b>	<b>27,000</b>	<b>(280,000)</b>	<b>(587,000)</b>	<b>(894,000)</b>
<b>MC Request</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>
County Appropriation	1,900,000	1,900,000	1,900,000	1,900,000	1,900,000	1,900,000
Carry Forward	948,000	691,000	434,000	177,000	(80,000)	(337,000)
Total Available Funding	2,848,000	2,591,000	2,334,000	2,077,000	1,820,000	1,563,000
<b>Less:</b>						
Salary Expenses	2,157,000	2,157,000	2,157,000	2,157,000	2,157,000	2,157,000
<b>Total Remaining</b>	<b>691,000</b>	<b>434,000</b>	<b>177,000</b>	<b>(80,000)</b>	<b>(337,000)</b>	<b>(594,000)</b>

**Non-Recommended Reduction.** The College's non-recommended reduction would leave the total six-year request unchanged but would delay \$100,000 in expenditures from FY21-22 until FY24. The projected FY24 deficit under this scenario would be the same as under the MC Request (\$80,000).

#### 5. Roof Replacement: College (PDF ©46)

	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26
<b>FY19-24 Amended</b>	<b>3,750</b>	2,000	250	250	250	500	500		
<b>FY21-26 MC Request</b>	<b>8,456</b>			1,000	1,500	1,840	1,612	1,540	964
change from amended	4,706	n/a	n/a	750	1,250	1,340	1,112	n/a	n/a
% change from amended	125.5%	n/a	n/a	300.0%	500.0%	268.0%	222.4%	n/a	n/a
<b>MC Non-Rec Reduction</b>	<b>7,086</b>			250	250	500	3,612	1,540	964

This project provides funding for collegewide roof replacements as identified by a systematic 10-year survey cycle. The most recent survey has been completed and has provided the College with the next sequence of roof replacements.

The College request of nearly \$8.5 million from FY21-26 reflects a \$4.7 million increase over the Amended FY19-24 CIP, and an average of \$1.4 million per year. The IMTF report recommends an AARC of \$1.1 million for this project and identifies a backlog of \$18.5 million.

Information provided by the College states that the survey identified a total of 27 recommended roof replacements over the next 10 years. As a result, the College developed the following schedule of replacements, short-term repairs, and inspections for FY21-26:

FY21	TP/SS Health Sciences Center - \$900,000
FY22	<ul style="list-style-type: none"> <li>• Short Term Repairs - \$300,000</li> <li>• Semi Annual Roof Inspections - \$200,000</li> <li>• Germantown High Technology Building - \$900,000</li> </ul>
FY23	Rockville Campus Center - \$1,740,000
FY24	Rockville Gudelsky Building - \$1,512,000
FY25	Off Campus Central Services Building - \$1,440,000
FY26	Rockville Humanities Building - \$864,000

**Non-Recommended Reduction.** The College's non-recommended reduction for this project would reduce funding levels in FY21-23 to the level in the Amended FY19-24 CIP, while increasing FY24 expenditures by \$2.0 million. The net change over the six-year period would be a decrease of \$1.3 million. The impact would be to delay some of the roof replacements currently scheduled for FY21-23.

## 6. ADA Compliance (PDF ©15)

	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26
<b>FY19-24 Amended</b>	<b>300</b>	50	50	50	50	50	50		
<b>FY21-26 MC Request</b>	<b>450</b>			75	75	75	75	75	75
change from amended	150	n/a	n/a	25	25	25	25	n/a	n/a
% change from amended	50.0%	n/a	n/a	50.0%	50.0%	50.0%	50.0%	n/a	n/a
<b>MC Non-Rec Reduction</b>	<b>450</b>			50	50	75	125	75	75

This project provides funding for modifications to College facilities to comply with the accessibility provisions of the Americans with Disabilities Act (ADA). During FY20, the College plans to initiate an ADA self-study and transition plan to eliminate barriers based on the survey results. The first phase of the study will include a survey for program compliance with ADA requirements, and a review of the Germantown Campus for physical barriers. The second phase will review physical barriers at the Rockville Campus, and the third phase will review physical barriers at the Takoma Park/Silver Spring Campus.

The College requests an increase in level of effort funding from \$50,000 per year to \$75,000 per year, an increase of \$150,000 over the six-year period. The College notes that the level of effort for this project has not changed since FY04.

**Non-Recommended Reductions.** The College's non-recommended reductions would not impact the total six-year funding request but would shift funding request between years. Council staff notes that the impact of delaying funding from FY21 and FY22 to FY24 is likely to be relatively low given the phased approach for reviewing campuses.



## 7. Site Improvements (PDF ©47)

	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26
<b>FY19-24 Amended</b>	<b>4,200</b>	700	700	700	700	700	700		
<b>FY21-26 MC Request</b>	<b>5,500</b>			1,500	800	800	800	800	800
change from amended	1,300	n/a	n/a	800	100	100	100	n/a	n/a
% change from amended	31.0%	n/a	n/a	114.3%	14.3%	14.3%	14.3%	n/a	n/a
<b>MC Non-Rec Reductions</b>	<b>4,600</b>			700	700	700	900	800	800

This project funds the repair, maintenance, and improvement of the College's site infrastructure, including roadways, parking lots, walkways, signage, site lighting, site communications, stormwater management facilities, and outdoor athletic facilities.

The College requests \$1.5 million in FY21, followed by level-of-effort funding of \$800,000 per year for FY22-26. The six-year request is an increase of \$1.3 million over the Amended FY19-24 CIP.

The requested increase of \$800,000 in FY21 would fund the replacement of parking lot 10 on the Rockville campus. This replacement will include the following components:

- Increased safety with new efficient LED lights, a pedestrian travel path, and closing the vehicle access point that conflicts with the campus entrance from Mannakee Street.
- New grading of the lot nearest the Science Center building with a 2% grade for disabled parking.
- Placement of root aeration matting for tree protection prior to new asphalt pavement installation, in compliance with the City of Rockville forest conservation requirements.
- Adjustment of curb lines to provide for additional tree protection and more green space.

**Non-Recommended Reduction.** The College's non-recommended reduction for this project would result in a six-year decrease of \$900,000 compared to the initial request. Most of the decrease would occur in FY21, removing the funding to replace parking lot 10 on the Rockville campus.

## 8. Collegewide Library Renovations (PDF at ©20)

	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	Beyond 6 Years
<b>FY19-24 Amended</b>	<b>5,160</b>	-	400	-	-	55	4,705			14,110
<b>FY21-26 MC Request</b>	<b>15,680</b>			4,750	-	10,930	-	-	-	-
change from amended	10,520	n/a	n/a	4,750	-	10,875	(4,705)	n/a	n/a	n/a
% change from amended	203.9%	n/a	n/a	n/a	n/a	19,772%	-100.0%	n/a	n/a	n/a
<b>MC Non-Rec Reduction</b>	<b>10,930</b>			-	-	-	10,930	-	-	4,750

This project is intended to fund the renovation of the libraries on the Rockville and Takoma Park/Silver Spring campuses. An architecture firm has developed conceptual designs to modernize each existing library, and current buildings would not be torn down or replaced. For each library, the College's design concepts include:

- Main library floors designed to be the hub of academic life: dynamic spaces that will be student-centered, technology and service-driven, and will foster innovation;

- Upper floors that will provide comfortable and quiet study spaces and smaller, curated collections to support their academic and career goals; and
- The ability to meet the variety of student needs including group, individual, and silent study.

The College's FY21-26 request is a \$10.5 million increase in the six-year period over the Amended FY19-24 CIP, however it represents a total net decrease of \$3.6 million when including the "Beyond 6 Years" costs. The request includes several changes to scope, timing, and funding to leverage potential State Aid:

- 1) The Germantown library renovation is now removed from the project and instead the College plans to construct a new library as part of the Germantown Student Services Center project. This scope change results in a reduction of \$3.7 million for the Library Renovations project. The Student Services Center project will be split funded between the County and the State.
- 2) \$4.75 million in funding for the Takoma Park/Silver Spring Library is accelerated to FY21 from FY24. The Council approved \$400,000 in FY20 for design work on this library.
- 3) \$10.9 million in funding for the Rockville Library renovation is requested in FY23. Additionally, the College proposes requesting State Aid for the Rockville library, which would split the costs 50/50 between the County and the State. Previously, these costs were 100% County funded.

**Non-Recommended Reduction.** The College's non-recommended reduction would reduce this project by \$4.75 million (all County G.O. Bonds) by moving the construction costs for the Takoma Park/Silver Spring library outside the six-year CIP timeframe. Additionally, the Rockville library project would be delayed from FY23 to FY24 (still split 50/50 between G.O. Bonds and State Aid).

#### 9. Germantown Student Services Center (PDF ©32)

	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	Beyond 6 Years
<b>FY19-24 Amended</b>	<b>30,001</b>	-	-	-	2,500	6,654	20,847			31,961
<b>FY21-26 MC Request</b>	<b>85,756</b>			-	2,500	6,654	21,983	54,619	-	-
change from amended	55,755	n/a	n/a	-	-	-	1,136	n/a	n/a	(31,961)
% change from amended	185.8%	n/a	n/a	n/a	0.0%	0.0%	5.4%	n/a	n/a	-100.0%
<b>MC Non-Rec Reduction</b>	<b>50,920</b>			-	-	2,500	8,154	20,056	20,210	34,836

This project provides for the design and construction of a new 153,000 square feet student services center as outlined in the Germantown Campus Facilities Master Plan. This project will consolidate student support functions and resources as well as student activities that are currently spread throughout the campus. The scope of the project has changed to include a library and bookstore.

The \$85.8 million request for this project over the six-year period is an increase of \$55.8 million over the FY19-24 Amended CIP. This increase reflects both moving all project costs into the six-year timeframe, as well as increases due to the scope changes. The entire project is funded at a 50/50 split between G.O. Bonds and State Aid. The College notes that part of the rationale for moving the library into the Student Services Center is to allow the library to receive State funding without competing against other state aid funded projects.

The College's request would have construction start in the Fall of 2023, with the expectation that the facility would open in Fall 2025.

**Non-Recommended Reduction.** The College's non-recommended reduction for this project would decrease the six-year total to \$50.9 million by moving \$34.8 million outside of the CIP timeframe. It would defer the start of the project from FY22 to FY23 and spread out the expenditures over a longer timeframe. This would likely delay the opening of the facility until 2027 at the earliest.

#### 10. Germantown Student Affairs & Science Building Phase 2 – Addition (PDF ©31)

	Total 6 Years	FY21	FY22	FY23	FY24	FY25	FY26	Beyond 6 Years
<b>FY21-26 MC Request</b>	<b>3,500</b>	-	-	-	-	-	3,500	25,614
<b>MC Non-Rec Reduction</b>	-	-	-	-	-	-	-	29,114

This new project funds the demolition of the north side of the Student Affairs and Science Building and rebuild it from two stories to three stories, which will be a net gain of 18,000 gross square feet to the building. The existing first floor programmatic functions are devoted mostly to Student Services, which will move to the new Germantown Student Services Center.

The College's request includes \$3.5 million for this project in FY26, with the remaining \$25.6 million outside the six-year CIP timeframe. The College notes that the total costs for this project break down as \$791,000 for demolition and \$23.2 million for construction.

**Non-Recommended Reduction.** The College's non-recommended reduction for this project would move all the expenditures outside of the FY21-26 CIP timeframe. The College would then need to reconsider its request for this project as part of the FY23-28 CIP.

#### 11. Takoma Park/Silver Spring Math and Science Center (PDF at ©49)

	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26
<b>FY19-24 Amended</b>	<b>87,142</b>	4,582	13,188	27,464	29,426	12,482	-		
<b>FY21-26 MC Request</b>	<b>69,658</b>			27,464	29,712	12,482	-	-	-
change from amended	(17,484)	n/a	n/a	-	286	-	-	n/a	n/a
% change from amended	-20.1%	n/a	n/a	0.0%	1.0%	0.0%	n/a	n/a	n/a
<b>MC Revised Request</b>	<b>73,142</b>			28,064	32,596	12,482	-	-	-

This project provides for a new academic building supporting science programs and the Mathematics Department. The new math and science building is replacing the Science South and Falcon Hall buildings. Demolition and construction of the Leggett Building started in November 2019. The facility is expected to be fully operational and open for classes in the fall semester of 2022.

The College request includes a 4.0% cost escalation factor increase of \$286,000 (split 50/50 between G.O. Bonds and State Aid) for furniture and equipment as allowed by the State.

**Revised Request.** The State determined that the 4 percent escalation factor used for FY21 was too low, and that projects were costing much more than anticipated. As a result, the State recommended a catch-up increase in escalation of an additional 5.3%. The College is requesting an additional increase of \$3.484 million split 50/50 between G.O. Bonds and State Aid with the funds to be appropriated in FY21. The College offset this proposed G.O. Bond increase with other reductions to meet the Executive's affordability total as part of the non-recommended reductions package.

## 12. Information Technology: College (PDF ©33-34)

	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26
<b>FY19-24 Amended</b>	<b>48,777</b>	7,777	7,000	7,500	8,000	9,250	9,250		
<b>FY21-26 MC Request</b>	<b>51,000</b>			8,500	8,500	8,500	8,500	8,500	8,500
change from amended	2,223	n/a	n/a	1,000	500	(750)	(750)	n/a	n/a
% change from amended	4.6%	n/a	n/a	13.3%	6.3%	-8.1%	-8.1%	n/a	n/a
<b>MC Non-Rec Reduction</b>	<b>51,000</b>			7,500	8,000	9,250	9,250	8,500	8,500

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; software applications used for administrative and academic support; and the replacement/upgrade of IT equipment to meet student and employee needs. The project also funds four staff positions.

The College's six-year request is a net increase of \$2.2 million, with level of effort funding of \$8.5 million each year. Last year, the Council approved decreases in FY21-22 and increases in FY23-24 to balance affordability concerns by year. This request would return the project to the College's desired funding schedule. The College notes that over the past four years this project has been reduced by \$9.2 million from the College's request, and that 53% of the current inventory of desktops and laptops are over five years old.

**Non-Recommended Reduction.** The total six-year funding request for the project does not change, however funding is shifted from FY21-22 to FY23-24. The revised schedule would align with the Amended FY19-24 CIP.

## 13. Network Infrastructure and Server Operations (PDF ©37-38)

	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26
<b>FY19-24 Amended</b>	<b>22,400</b>	3,400	3,800	3,300	3,700	4,100	4,100		
<b>FY21-26 MC Request</b>	<b>22,800</b>			3,800	3,800	3,800	3,800	3,800	3,800
change from amended	400	n/a	n/a	500	100	(300)	(300)	n/a	n/a
% change from amended	1.8%	n/a	n/a	15.2%	2.7%	-7.3%	-7.3%	n/a	n/a
<b>MC Non-Rec Reductions</b>	<b>22,800</b>			3,300	3,700	4,100	4,100	3,800	3,800

This project supports the ongoing installation and maintenance of the information technology network infrastructure throughout all Montgomery College facilities, as well as on-premise server operations for applications not suitable for cloud computing. The project also funds six staff positions.

The College requests level of effort funding of \$3.8 million each year for FY21-26 for a six-year total of \$22.8 million, a \$400,000 increase over the Amended FY19-24 CIP.

**Non-Recommended Reduction.** The total six-year funding request for the project does not change, however funding is shifted from FY21-22 to FY23-24. The revised schedule would align with the Amended FY19-24 CIP.

#### 14. Student Learning Support Systems (PDF ©48)

	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26
<b>FY19-24 Amended</b>	<b>8,000</b>	1,000	1,400	900	1,300	1,700	1,700		
<b>FY21-26 MC Request</b>	<b>8,400</b>			1,400	1,400	1,400	1,400	1,400	1,400
change from amended	400	n/a	n/a	500	100	(300)	(300)	n/a	n/a
% change from amended	5.0%	n/a	n/a	55.6%	7.7%	-17.6%	-17.6%	n/a	n/a
<b>MC Non-Rec Reduction</b>	<b>8,400</b>			900	1,300	1,700	1,700	1,400	1,400

This project includes the installation, upgrading, and replacement of student tracking, disability support services, student e-mail, e-portfolio, resume software, and other applications used by students and faculty. The project also funds four staff positions.

The College requests level of effort funding of \$1.4 million each year for FY21-26 for a six-year total of \$8.4 million, a \$400,000 increase over the Amended FY19-24 CIP.

**Non-Recommended Reduction.** The total six-year funding request for the project does not change, however funding is shifted from FY21-22 to FY23-24. The revised schedule would align with the Amended FY19-24 CIP.

#### E. Staff Recommendations for Committee Consideration

- Approve the technical adjustments submitted by the Executive for the Germantown Science & Applied Studies Phase 1-Renovation and Rockville Parking Garage projects.
- Approve the non-recommended reductions submitted by the College (see page 3) and endorse the priority list for restoration if funding allows during final CIP reconciliation.
- Approve all other projects as requested by the College.

**FY21 Capital Budget Proposed**  
*First Year of the Biennial Capital Budget  
as part of FY21 - FY26 CIP (in \$000s)*

	FY20 Adopted	FY21 Request	FY22 Request
<b>Collegewide -- General</b>			
ADA Compliance	\$ 50	\$ 75	\$ 75
Capital Renewal	2,000	2,000	2,000
Collegewide Central Plant & Distribution Systems (New)	475	1,000	1,500
Collegewide Library Renovations	400	4,750	-
Collegewide Road/Parking Lot Repairs and Replacements	-	-	-
Collegewide Physical Education Renovations	2,000	1,500	1,500
Elevator Modernization	200	200	200
Energy Conservation	225	300	300
Facility Planning	270	270	270
Instructional Furniture & Equipment	270	270	270
Planned Life-Cycle Asset Replacement	3,000	4,000	4,000
Planning, Design & Construction	1,850	1,900	1,900
Roof Replacement	250	1,000	1,500
Site Improvements	700	1,500	800
<b>Total Collegewide -- General</b>	<b>\$ 11,690</b>	<b>\$ 18,765</b>	<b>\$ 14,315</b>
<b>Collegewide -- Information Technology</b>			
Information Technology	7,000	8,500	8,500
Network Infrastructure and Server Operations	3,800	3,800	3,800
Student Learning Support Systems	1,400	1,400	1,400
<b>Total Collegewide -- Information Technology</b>	<b>\$ 12,200</b>	<b>\$ 13,700</b>	<b>\$ 13,700</b>
<b>Germantown Campus Projects</b>			
Germantown SA Building Renovation and Add. Phase 1	-	-	-
Germantown SA Building Phase 2-Addition	-	-	-
Germantown Student Services Center	-	-	10,290
<b>Total Germantown</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,290</b>
<b>Rockville Campus Projects</b>			
Macklin Tower Alterations	-	-	-
Rockville Parking Garage	-	-	-
Rockville Student Services Center	-	-	-
<b>Total Rockville</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Takoma Park/Silver Spring Campus Projects</b>			
TP/SS Math & Science Center	71,242	-	7,410
<b>Total Takoma Park/Silver Spring</b>	<b>\$ 71,242</b>	<b>\$ -</b>	<b>\$ 7,410</b>
<b>Grand Total</b>	<b>\$ 95,132</b>	<b>\$ 32,465</b>	<b>\$ 45,715</b>

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## Expenditure Detail by Category, Sub-category, and Project (\$000s)

Project #	Project Name	Total	Thru FY19	Est FY20	6 Year Total	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Yrs	FY 21 Approp. Request
<b>Montgomery College</b>													
<b>Higher Education</b>													
P936660	ADA Compliance: College	1,953	1,255	248	450	75	75	75	75	75	75	0	75
P096600	Capital Renewal: College	30,888	11,450	7,438	12,000	2,000	2,000	2,000	2,000	2,000	2,000	0	2,000
P661401	College Affordability Reconciliation	0	0	0	0	0	0	0	0	0	0	0	0
P662001	Collegewide Central Plant and Distribution Systems	7,975	0	475	7,500	1,000	1,500	1,000	1,500	1,000	1,500	0	1,000
P661901	Collegewide Library Renovations	16,080	0	400	15,680	4,750	0	10,930	0	0	0	0	4,750
P661602	Collegewide Physical Education Renovations	19,000	7,973	2,027	9,000	1,500	1,500	1,500	1,500	1,500	1,500	0	1,500
P661801	Collegewide Road/Parking Lot Repairs and Replacements	1,000	907	73	20	10	10	0	0	0	0	0	0
P056608	Elevator Modernization: College	6,280	3,569	1,511	1,200	200	200	200	200	200	200	0	200
P816611	Energy Conservation: College	7,118	5,093	225	1,800	300	300	300	300	300	300	0	300
P886686	Facility Planning: College	7,937	5,221	1,096	1,620	270	270	270	270	270	270	0	270
P136600	Germantown Science & Applied Studies Phase 1-Renov	41,067	34,014	7,033	20	10	10	0	0	0	0	0	0
P662102	Germantown Student Affairs & Science Building Phase 2- Addition	29,114	0	0	3,500	0	0	0	0	0	3,500	25,614	0
P076612	Germantown Student Services Center	85,756	0	0	85,756	0	2,500	6,654	21,983	54,619	0	0	0
P856509	Information Technology: College	191,824	129,464	11,360	51,000	8,500	8,500	8,500	8,500	8,500	8,500	0	8,500
P096601	Instructional Furniture and Equipment: College	4,800	2,631	549	1,620	270	270	270	270	270	270	0	270
P036603	Macklin Tower Alterations	10,604	10,431	153	20	10	10	0	0	0	0	0	0
P076619	Network Infrastructure and Server Operations	46,917	19,157	4,960	22,800	3,800	3,800	3,800	3,800	3,800	3,800	0	3,800
P926659	Planned Lifecycle Asset Replacement: College	81,633	50,472	7,161	24,000	4,000	4,000	4,000	4,000	4,000	4,000	0	4,000
P906605	Planning, Design and Construction	43,200	29,043	2,757	11,400	1,900	1,900	1,900	1,900	1,900	1,900	0	1,900
P136601	Rockville Parking Garage *	28,800	27,940	860	0	0	0	0	0	0	0	0	0
P076604	Rockville Student Services Center	73,560	47,848	25,692	20	10	10	0	0	0	0	0	0
P876664	Roof Replacement: College	20,171	10,933	782	8,456	1,000	1,500	1,840	1,612	1,540	964	0	1,000

## Expenditure Detail by Category, Sub-category, and Project (\$000s)

Project #	Project Name	Total	Thru FY19	Est FY20	6 Year Total	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Yrs	FY 21 Approp. Request
<b>Higher Education</b>													
P076601	Site Improvements: College	23,534	17,169	865	5,500	1,500	800	800	800	800	800	0	1,500
P076617	Student Learning Support Systems	24,020	13,444	2,176	8,400	1,400	1,400	1,400	1,400	1,400	1,400	0	1,400
P076607	Takoma Park/Silver Spring Math and Science Center	88,928	2,712	16,558	69,658	27,464	29,712	12,482	0	0	0	0	0
	<b>Higher Education Subtotal:</b>	<b>892,159</b>	<b>430,726</b>	<b>94,399</b>	<b>341,420</b>	<b>59,969</b>	<b>60,267</b>	<b>57,921</b>	<b>50,110</b>	<b>82,174</b>	<b>30,979</b>	<b>25,614</b>	<b>32,465</b>
	<b>Montgomery College Total:</b>	<b>892,159</b>	<b>430,726</b>	<b>94,399</b>	<b>341,420</b>	<b>59,969</b>	<b>60,267</b>	<b>57,921</b>	<b>50,110</b>	<b>82,174</b>	<b>30,979</b>	<b>25,614</b>	<b>32,465</b>
	<b>Grand Total:</b>	<b>892,159</b>	<b>430,726</b>	<b>94,399</b>	<b>341,420</b>	<b>59,969</b>	<b>60,267</b>	<b>57,921</b>	<b>50,110</b>	<b>82,174</b>	<b>30,979</b>	<b>25,614</b>	<b>32,465</b>



## Funding Summary by Category, Sub-Category, and Revenue Source (\$000s)

Project #	Project Name	Total	Thru FY19	Est FY20	6 Year Total	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Yrs
<b>Montgomery College</b>												
<b>Higher Education</b>												
	Current Revenue: General	237,140	125,201	21,435	90,504	15,084	15,084	15,084	15,084	15,084	15,084	0
	Federal Aid	49	49	0	0	0	0	0	0	0	0	0
	G.O. Bonds	393,822	179,290	46,281	155,444	29,628	27,052	26,304	22,034	38,281	12,145	12,807
	Major Facilities Capital Projects Fund (College)	19,000	7,973	2,027	9,000	1,500	1,500	1,500	1,500	1,500	1,500	0
	PAYGO	2,041	2,041	0	0	0	0	0	0	0	0	0
	Recordation Tax	59,698	59,698	0	0	0	0	0	0	0	0	0
	Revenue Authority	13,250	12,399	851	0	0	0	0	0	0	0	0
	State Aid	166,159	43,168	23,732	86,452	13,747	16,621	15,033	11,492	27,309	2,250	12,807
	Transportation Facilities Capital Projects Fund (Colleg	1,000	907	73	20	10	10	0	0	0	0	0
	<b>Higher Education Total:</b>	<b>892,159</b>	<b>430,726</b>	<b>94,399</b>	<b>341,420</b>	<b>59,969</b>	<b>60,267</b>	<b>57,921</b>	<b>50,110</b>	<b>82,174</b>	<b>30,979</b>	<b>25,614</b>
	<b>Montgomery College Total:</b>	<b>892,159</b>	<b>430,726</b>	<b>94,399</b>	<b>341,420</b>	<b>59,969</b>	<b>60,267</b>	<b>57,921</b>	<b>50,110</b>	<b>82,174</b>	<b>30,979</b>	<b>25,614</b>
	<b>Grand Total:</b>	<b>892,159</b>	<b>430,726</b>	<b>94,399</b>	<b>341,420</b>	<b>59,969</b>	<b>60,267</b>	<b>57,921</b>	<b>50,110</b>	<b>82,174</b>	<b>30,979</b>	<b>25,614</b>



# Montgomery College

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## AGENCY DESCRIPTION

Montgomery College provides postsecondary educational programs from campuses located in Takoma Park/Silver Spring, Rockville, and Germantown. It serves four broad groups of students:

- Those who want the first two years of a university education, either for an associate's degree or preparatory to another program;
- Those who want to prepare for a career not requiring a bachelor's degree;
- Highly capable high school juniors and seniors who participate in special programs; and
- Adults who want to continue their education, either to improve job skills or for personal enrichment.

The major sources of funding for Montgomery College are County support, State Aid, tuition and fees, auxiliary enterprises, and continuing education. The College is chartered by the State of Maryland and functions as a part of the Maryland State community college system. Montgomery College has a policy of open admissions, which means that any person with the equivalent of a high school diploma, or the age of 18 or over, who can benefit from the programs and services of the College, is admitted as a student. Montgomery College offers several programs for high school students, including the opportunity to take college-level classes and even earn an associate's degree while still in high school.

The development and administration of the educational programs and facilities of Montgomery College are directed by its President and overseen by the Board of Trustees.

## PROGRAM DESCRIPTION AND OBJECTIVES

The Montgomery College FY21-26 CIP request consists of 22 active projects. The complete set of PDFs submitted by the College can be found on its web site at <https://www.montgomerycollege.edu/offices/administrative-and-fiscal-services/budget-office/capital-budgets.html>

## PROGRAM CONTACTS

Contact Kristina Schramm of Montgomery College at 240.567.4265 or Rafael Pumarejo Murphy of the Office of Management and Budget at 240.777.2775 for more information about this agency's capital budget.

## CAPITAL PROGRAM REVIEW

### **Montgomery College Request**

The College's FY21-26 capital program request totals \$341.4 million, a \$65.2 million or 23.6 percent, increase from the amended FY19-24 capital program of \$276.2 million. The College requested accelerated funding for a number of projects which would require increases of more than \$32 million in the first three years of the CIP. The College's plan for County funds, State funds, and Current Revenue includes constructing new buildings, renovating existing facilities, improving physical infrastructure, and maintaining the information technology network.

Requested changes from the previously approved CIP would:

- increase investment in ADA Compliance by \$150,000 over the 6 year period;
- improve College libraries partially funded by State Aid;
- add \$9 million for Collegewide Physical Education Renovations;
- add \$29.1 million for the Germantown Student Affairs & Science Building Phase 2 Addition, including \$3.5 million in FY26;
- increase the scope of the Germantown Student Service Center to include a bookstore and cafeteria;
- increase annual funding for Information Technology, Network Infrastructure and Server Operations, Planned Lifecycle Asset Replacement, and Student Learning Support Systems;
- increase Planning, Design, and Construction and Site Improvements costs, respectively, to \$1.9 million and \$0.8 million per year; and
- increase Roof Replacement costs by \$4.7 million over the 6 year period.

## Executive Recommendations

The County Executive recommends a total FY21-26 six-year CIP of \$312.9 million, a \$36.7 million or 13.3 percent increase over the prior approved FY19-24 CIP - despite significant reductions in the County's main critical sources such as General Obligation bonds and impact taxes. This includes an increase of \$12.4 million over FY21-24 and an overall six-year increase of \$36.7 million, when funds are particularly constrained. In addition, \$104.2 million in new funding has been added in FY25 and FY26. The recommended level of funding reflects the completion or substantial completion of large projects such as the Rockville Student Services Center (\$73.6 million) and the Macklin Tower Alterations (\$10.6 million) that have occurred in recent years.

## HIGHLIGHTS

- Continue to address the overall growth at the Germantown campus and prioritization of STEM fields through the Germantown Student Affairs & Science Building Phase 2 Addition and the Germantown Student Services Center, as affordable.
- Improve campus libraries.
- Complete construction of the Takoma Park/Silver Spring Math & Science Center.
- Improve campus athletic facilities through the Collegewide Physical Education Renovations project.
- Sustain College infrastructure projects such as Elevator Modernization, Planned Lifecycle Asset Replacement, Roof Replacement, and Site Improvements to improve facilities and safety on all three campuses.
- Assume \$86.4 million in State aid, with \$13.7 million in FY21. State Aid may change in later years based on affordability adjustments.

## PROGRAM EXPENDITURES

Since the College's full request is not affordable due to decreases in capital budget funding, priority should be given to projects that add classroom and laboratory space, leverage State Aid, provide critical student support services, and maintain core infrastructure. The project request receiving the biggest increase in funding is the Germantown Student Affairs & Science Building Phase 2 Addition as a new project added in the FY21-26 CIP. As requested, the Germantown Student Services Center project also added \$23.8 million to the six-year period reflecting its total project cost and the addition of a library, bookstore, and cafeteria to its scope. The County Executive sustains funding of infrastructure projects, such as ADA Compliance, Elevator Modernization, Capital Renewal: College, Energy Conservation: College, and Planned Lifecycle Asset Replacement: College.

## PROGRAM FUNDING

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The College finances its six-year CIP using resources from five sources.

### **County General Obligation Bonds**

The Executive's recommendation provides approximately \$126.9 million of general obligation bonds for the College's capital program.

### **County Current Revenue**

The recommended CIP includes approximately \$90.5 million in current revenue funding to support various College infrastructure projects, a \$3.0 million increase from the FY19-24 amended capital program.

### **State Aid**

The County Executive's recommended CIP for the College includes State Aid of \$86.4 million for FY21-26, or approximately 27.6 percent of total program costs. However, this figure may change depending on how the College and the County Council choose to make project adjustments due to affordability. The State of Maryland provides funding for the construction and renovation of State community colleges. The Annotated Code of Maryland says that a proposed capital project with a useful life of 15 years or more will be considered for funding. However, a renovation project such as a roof repair that exceeds \$100,000 may be considered for State funding. State Aid may change in later years based on affordability adjustments.

The State's Capital Improvement Program has programmed the Community College Facilities Grant Program at \$80.0 million for FY21 and thereafter. The County Executive urges the College to continue pursuing State funding for all projects that meet the guidelines for funding from the Maryland Higher Education Commission. Historically, Montgomery College has received annually between 8% and 25% of available resources in the statewide grant.

### **Major Facilities Capital Projects Fund**

The County Executive's recommended CIP programs \$9 million in funding from the Major Facilities Capital Projects Fund (MFCPF). The student-fee derived fund is typically used for additions and renovations to non-administrative buildings, property, and debt service spending that does not typically compete well for State funds. This allows the College to focus requests for State Aid on larger academic projects, like the Germantown Student Services Center project.

### **Transportation Facilities Capital Projects Fund**

The County Executive's recommended FY21-26 CIP includes \$20,000 from the College's Transportation Facilities Capital Projects Fund, a student-fee derived fund that is used for improvements to roads, sidewalks, and signage.

## **ENROLLMENT**

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The total number of full-time equivalent students (30 credit load hours of instruction per year) enrolled in College credit programs in FY19 was 14,040. This figure is projected to slightly decrease to 13,679 in FY22 and increase slightly through FY24 to 13,896. Enrollments have fallen in recent years, and the College projects continued declines up to FY22 and modest growth thereafter. Multiple factors affect enrollment projections, including:

- the number of graduates and the College's "draw rate" of Montgomery County Public Schools' high school graduates, which is roughly 25 percent;
- distance education enrollments;
- partnership with the Universities at Shady Grove and the growth of new degree programs; and
- innovative class scheduling in both distance learning and on campus, "Completion Agenda Initiatives," and facility expansion and renovations, as well as parking enhancements that allow increased student capacity.

For details regarding enrollment estimates and assumptions, please refer to the "Enrollment Projections" chapter of the College's annual operating budget.

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## OPERATING BUDGET IMPACT

The enrollment forecast affects the College's operating budget because additional resources are required to maintain and operate any new facilities that are constructed or acquired. The College also would require funds to hire new faculty and staff to meet anticipated demand for courses and support services. The College does not display expected operating budget needs on the PDFs, but ultimately, the operating budget requests of the College will be considered in the context of the requests of all agencies.

## STATUTORY AUTHORITY

Title 16 of the Education Article of the Annotated Code of Maryland gives the County Council the power to make appropriations for capital projects of the College. Projects are financed under terms and conditions approved by the Council. In accordance with State law and the Montgomery County Charter, the College prepares an annual capital budget and capital improvements program.



## MONTGOMERY COUNTY COUNCIL

CRAIG RICE  
COUNCILMEMBER  
DISTRICT 2

CHAIRMAN  
EDUCATION AND CULTURE

February 13, 2020

Dr. DeRionne Pollard, President  
Montgomery College  
9221 Corporate Boulevard  
Rockville, Maryland 20850

Dear Dr. Pollard,

As the Council heard at its February 5 and 6 public hearings on the FY21-26 Capital Improvements Program (CIP), there is strong interest in the community in supporting the many projects included in Montgomery College's Requested FY21-26 CIP.

However, given the difficult capital fiscal situation in which the County finds itself again this year, I am asking Montgomery College to develop a scenario of "non-recommended reductions" to the College's Requested FY21-26 CIP that brings each of the annual expenditure totals in line with the County Executive's recommendations.

The College's assistance in identifying a package of non-recommended reductions will ensure that the Council takes the College's priorities into account when reconciling the CIP later this spring.

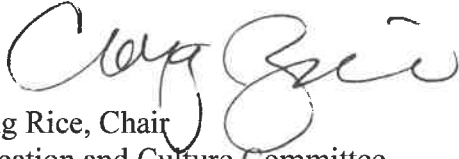
The County Executive's FY21-26 Capital Improvements Program transmitted to the Council on January 15, 2020 assumes total six-year spending in the College CIP of \$312.9 million, which is \$28.55 million less than the College's request. The Executive's year-by-year recommendation also includes changes within funding sources as detailed below.

CIP Gap	Six-Year	FY21	FY22	FY23	FY24	FY25	FY26
<b>CE Rec versus MC Request</b>	<b>(28,550)</b>	<b>(9,875)</b>	<b>(4,406)</b>	<b>(7,715)</b>	<b>2,372</b>	<b>(17,281)</b>	<b>8,355</b>
GO Bonds	(28,550)	(7,875)	(3,706)	(9,065)	1,022	(17,281)	8,355
Current Revenue	-	(2,000)	(700)	1,350	1,350	-	-

Hopefully, the Council will not need to take all the cuts included in the College's non-recommended reductions scenario. Therefore, it would be helpful if your non-recommended reductions identify priorities for the restoration of projects or groups of projects.

The Education and Culture Committee will want to review the College's package of non-recommended reductions at its meeting on March 9. To provide enough time for Council Staff review and follow-up questions, I am requesting that the College provide its non-recommended reductions to the Council by March 2. We appreciate your continued cooperation in helping the Council make the best decisions it can regarding the Montgomery College CIP.

Sincerely,

A handwritten signature in black ink, appearing to read "Craig Rice". The signature is fluid and cursive, with the first name "Craig" and last name "Rice" clearly distinguishable.

Craig Rice, Chair  
Education and Culture Committee  
Montgomery County Council



OFFICE OF THE PRESIDENT

February 28, 2020

The Honorable Craig Rice  
Montgomery County Council  
Stella B. Werner Council Office Building  
100 Maryland Avenue  
Rockville, Maryland 20850

Dear Councilmember Rice:

Thank you for the opportunity to share Montgomery College's concerns about the capital budget. Included with this letter is a non-recommended reduction list to align with the recommendation made by the executive branch.

It is our hope, however, you can approve our total request of \$341 million for the six years—a reasonable request given our needs. This request is far less than the 10 year high of the \$451 million in the approved and adopted FY15 to FY20 capital improvements program.

As you heard at your recent hearing, Ian Lotinsky, Montgomery College alumnus and the chief technology officer for LearnZillion, stated that facilities matter to students and make a difference in their education journey. Faculty and staff need modern classrooms and labs to best prepare students for the next step in their education and for the 21st century workplace. Even in the age of Google, students need access to libraries—the books, and the study spaces they provide are vital to student success. Student services centers that help students to enroll easily and efficiently—to start smart—are crucial to residents who need their community college. And, finally, taking good care of existing facilities, as you well know, just makes good sense.

**Our request is reasonable**

As you pointed out in your letter, the County Executive recommended a reduction of almost \$29 million—to a budget that was fair and reasonable. Just compare the *adopted* FY09 budget to our *request* for FY21—\$102 million approved for FY09, versus \$32 million requested for FY21. The County Executive's recommendation would bring FY21 down to \$23 million. There are no new major classroom or lab projects in the request, and the second phase of the renovation of the Student Affairs and Science Building only appears in year six. We clearly understand the debt capacity challenge and the needs of Montgomery County Public Schools. That's why three years ago we only asked for funds to renovate libraries instead of brand new facilities as envisioned in the College's Facilities Master Plan.

- That's why we only asked for \$200,000 annually for elevator modernizations with three elevators out of service on the Rockville Campus.
- That's why we spread out the cost for the central plant on the Rockville Campus over several years, despite the fact that the system is beyond its useful life now.
- That's why student fees will underwrite the cost to renovate the College's physical education facilities, and not general obligation bonds.



**Deferred maintenance—taking good care of existing facilities makes good sense**

Unfortunately, the deferrals in funding for the various deferred maintenance projects are impacting our ability to maintain our buildings. The eighth edition of the Report of the Infrastructure Maintenance Task Force, to be published in March, will show the College has a \$188 million backlog. Yet, the College's resources today are virtually depleted. With the Executive's recommended reductions, the \$9.4 million noted in the task force report as the acceptable annual replacement cost to address deferred maintenance cannot be achieved—much less begin to tackle the challenge. Best practices require an expenditure of 10 percent of the backlog or \$18 million annually.

The Board of Trustees took note of this backlog and stated during its budget deliberations this year that the College must do more to preserve and protect existing facilities. Three elevators in three buildings are not operational on the Rockville Campus. The second floor of the Counseling and Advising Building, which is 51 years old, remains closed after significant flooding events because the elevator is not operational. We do expect to re-occupy the first floor shortly, though much work is necessary to overcome its age and prevent further flooding. The roof of the Health Sciences Building, a facility that is home to extensive specialized training equipment, needs replacement—this building requires attention now. The above mentioned central plant and distribution system on the Rockville Campus, which houses the arteries under the campus that provide heat, air conditioning, and hot/cold water, is more than 30 years old. Failure would mean major disruption to daily operations. The same infrastructure at the Germantown and Takoma Park/Silver Spring campuses needs similar attention to maintain such systems, as well as to provide additional capacity. However, the Rockville infrastructure is the focus of this six-year request—again, seeking to restrain our request.

**New construction—quality facilities help students start smart and enhance learning**

With respect to new construction, we need to make progress to advance the development of a new student services center at the Germantown Campus. This project first entered the capital budget in FY13—that's seven years ago. This facility will locate all the important student services in one building, enabling staff to more easily work together to better serve our students and to ease the onboarding process for students. Help us to create a one-stop shop for important services because starting smart is the key to earning a degree—crossing the finish line.

Thankfully, abatement is well underway on the Takoma Park/Silver Spring Campus to make room for the Catherine and Isiah Leggett Math and Science Building. The demolition of the existing buildings will occur in the spring. State analysis provides for a project cost escalation and the county match is \$1.7 million. I am hopeful that you will move with alacrity to approve these funds and not leave the State's share on the table. We greatly appreciate the Council's longstanding support of this project to ensure that every MC student has access to quality classrooms and labs no matter their zip code.

**Even in the age of Google, libraries matter**

In addition to quality STEM facilities, libraries do matter. As you deliberate our request, I ask you again to reflect on the testimony you heard from Mr. Lotinsky as he spoke about his former classmate who now leads a tech company and first got access to technology in a Montgomery College library. Think about Sarah Haj Hamad, our student Trustee, who said she successfully completed her political science course thanks to the books available in the library—books she could not afford to purchase. Further, the need for modern library space is well-documented in

our Libraries Master Plan, the Libraries Planning Study, and the College's Library Ethnographic Study.

Thanks to the County Council, design funds were approved last year for the renovation of the Takoma Park/Silver Spring Library—known as the Resource Center. This building, constructed in 1978 and 41 years old, is dank, dark, and outdated with space configurations insufficient to promote private study as well as collaboration and group study. At this juncture, we need construction funds to begin the work in FY21—but, the 30 percent reduction recommended by the executive branch for FY21 puts this project at risk.

With respect to the libraries at Rockville and Germantown, we heard the County's desire to seek state aid for these projects. A library will now be part of the Germantown Student Services Center project which will maximize state aid by including the library in a larger project. We are in the midst of completing the appropriate paperwork to submit the Rockville Library to the state for consideration for State funds in FY22. Given that we did not add any new major classroom and lab projects into the capital budget, the Rockville Library should compete well for State funds at this time.

Thank you for your consideration of our total request. Please reject the recommendations of the Executive Branch. Please remember the following as you deliberate the College's request.

- The request is reasonable, especially given our needs.
- High quality labs and classrooms enhance teaching and learning.
- Taking good care of existing facilities just makes good sense.
- Libraries still matter, even in the age of Google.
- A one-stop shop for key onboarding services enables students to start smart and finish strong.

Sincerely,



DeRionne P. Pollard, Ph.D.  
President

attachment

cc: Council President Sidney Katz

**FY21 - FY26 CE Recommendation (in '000's)**

	6 Year Total	FY21	FY22	FY23	FY24	FY25	FY26	Beyond 6 years
MC Request	341,420	59,969	60,267	57,921	50,110	82,174	30,979	25,614
CE Recommendation	312,870	50,094	55,861	50,206	52,482	64,893	39,334	27,364
Total Reductions/Additions	(28,550)	(9,875)	(4,406)	(7,715)	2,372	(17,281)	8,355	1,750

**Non-Recommended GO Bond Reductions/Additions (in '000's)**

	Projects	6 Year Total	FY21	FY22	FY23	FY24	FY25	FY26	Beyond 6 years
1	TPSS Math and Science Building Escalation	1,742	300	1,442	-	-	-	-	-
2	PLAR	13	(1,800)	(1,031)	(83)	2,927			-
3	ADA Compliance	-	(25)	(25)		50			-
4	CW Library Renovations	(9,455)	(4,750)	-	(5,465)	760	-	-	
5	Roof Replacement	(1,340)	(750)	(1,250)	(1,340)	2,000			-
6	Site Improvements	(900)	(800)	(100)	(100)	100			
7	Capital Renewal	558	-	(1,442)	-	2,000	-	-	
8	Planning, Design and Construction	-	(50)	(50)		100			-
9	Germantown Student Services Center	(17,418)	-	(1,250)	(2,077)	(6,915)	(17,281)	10,105	17,418
10	Germantown Student Affairs-Phase 2	(1,750)	-	-	-	-	-	(1,750)	1,750
	IT Projects-Deferral only (Not GO)	-	(2,000)	(700)	1,350	1,350			
	Total Reductions/Additions	(28,550)	(9,875)	(4,406)	(7,715)	2,372	(17,281)	8,355	19,168

# ADA Compliance: College (P936660)

Category	Montgomery College	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	127	87	22	18	3	3	3	3	3	3	-
Site Improvements and Utilities	235	234	1	-	-	-	-	-	-	-	-
Construction	1,591	934	225	432	72	72	72	72	72	72	-
<b>TOTAL EXPENDITURES</b>	<b>1,953</b>	<b>1,255</b>	<b>248</b>	<b>450</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	1,953	1,255	248	450	75	75	75	75	75	75	-
<b>TOTAL FUNDING SOURCES</b>	<b>1,953</b>	<b>1,255</b>	<b>248</b>	<b>450</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>-</b>

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

Appropriation FY 21 Request	75	Year First Appropriation	FY93
Appropriation FY 22 Request	75	Last FY's Cost Estimate	1,703
Cumulative Appropriation	1,503		
Expenditure / Encumbrances	1,255		
Unencumbered Balance	248		

## 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

College-wide

## COST CHANGE

Cost increases due to addition of FY25 and FY26.

## 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 (6/18).

## OTHER

FY21 Appropriation: \$75,000 (G.O. Bonds). FY22 Appropriation: \$75,000 (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	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	4,846	1,297	1,749	1,800	300	300	300	300	300	300	-
Construction	24,963	9,402	5,361	10,200	1,700	1,700	1,700	1,700	1,700	1,700	-
Other	1,079	751	328	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>30,888</b>	<b>11,450</b>	<b>7,438</b>	<b>12,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	30,888	11,450	7,438	12,000	2,000	2,000	2,000	2,000	2,000	2,000	-
<b>TOTAL FUNDING SOURCES</b>	<b>30,888</b>	<b>11,450</b>	<b>7,438</b>	<b>12,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>-</b>

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

Appropriation FY 21 Request	2,000	Year First Appropriation	FY09
Appropriation FY 22 Request	2,000	Last FY's Cost Estimate	26,888
Cumulative Appropriation	18,888		
Expenditure / Encumbrances	11,942		
Unencumbered Balance	6,946		

## 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

College-wide

## COST CHANGE

Cost increases due to addition of FY25 and FY26.

## 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 \$152 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 (6/18), and Collegewide Utilities Master Plan (Pending 2019).

## OTHER

FY21 Appropriation: \$2,000,000 (G.O. Bonds). FY22 Appropriation: \$2,000,000 (G.O. Bonds).

## DISCLOSURES

Expenditures will continue indefinitely.

## COORDINATION



# College Affordability Reconciliation (P661401)

Category	Montgomery College	Date Last Modified	03/02/20
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Other	(28,550)	-	-	(28,550)	(9,875)	(4,406)	(7,715)	2,372	(17,281)	8,355	-
TOTAL EXPENDITURES	(28,550)	-	-	(28,550)	(9,875)	(4,406)	(7,715)	2,372	(17,281)	8,355	-

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	-	-	-	-	(2,000)	(700)	1,350	1,350	-	-	-
G.O. Bonds	(28,550)	-	-	(28,550)	(7,875)	(3,706)	(9,065)	1,022	(17,281)	8,355	-
TOTAL FUNDING SOURCES	(28,550)	-	-	(28,550)	(9,875)	(4,406)	(7,715)	2,372	(17,281)	8,355	-

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

Appropriation FY 21 Request	(9,875)	Year First Appropriation	
Appropriation FY 22 Request	(4,406)	Last FY's Cost Estimate	-
Cumulative Appropriation	-		
Expenditure / Encumbrances	-		
Unencumbered Balance	-		

## PROJECT DESCRIPTION

This project reconciles Montgomery College's request with the County Executive's recommendation based on affordability considerations. The FY21-26 CIP was developed under constrained resources. For example, through the Spending Affordability Guideline process, General Obligation bond and PAYGO funding were reduced by \$99 million over the six-year period to constrain future repayment costs. In addition, school and transportation impact taxes that free up General Obligation bonds for other uses are estimated to be \$68.3 million below the FY19-24 six-year funding. Despite these reduced resources, the County Executive was able to fund a \$36.6 million, or 13.3 percent, increase in the College's six-year CIP.

## COST CHANGE

The project reconciles the County Executive's recommended FY21-26 CIP with the College's request based on FY21-26 affordability constraints. The intent of the Affordability Project is to provide maximum flexibility to the College in adjusting specific budgets. In particular, the County Executive has deferred recommending increases in Current Revenue funding until they can be considered in the context of the operating budget. State Aid may be reduced or deferred based on affordability adjustments.

## 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 Central Plant and Distribution Systems (P662001)

Category	Montgomery College	Date Last Modified	01/03/20
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Preliminary Design Stage

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	700	-	100	600	100	100	100	100	100	100	-
Construction	7,275	-	375	6,900	900	1,400	900	1,400	900	1,400	-
<b>TOTAL EXPENDITURES</b>	<b>7,975</b>	<b>-</b>	<b>475</b>	<b>7,500</b>	<b>1,000</b>	<b>1,500</b>	<b>1,000</b>	<b>1,500</b>	<b>1,000</b>	<b>1,500</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	6,000	-	-	6,000	1,000	1,000	1,000	1,000	1,000	1,000	-
State Aid	1,975	-	475	1,500	-	500	-	500	-	500	-
<b>TOTAL FUNDING SOURCES</b>	<b>7,975</b>	<b>-</b>	<b>475</b>	<b>7,500</b>	<b>1,000</b>	<b>1,500</b>	<b>1,000</b>	<b>1,500</b>	<b>1,000</b>	<b>1,500</b>	<b>-</b>

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

Appropriation FY 21 Request	1,000	Year First Appropriation	FY20
Appropriation FY 22 Request	1,500	Last FY's Cost Estimate	5,475
Cumulative Appropriation	475		
Expenditure / Encumbrances	-		
Unencumbered Balance	475		

## 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.

## LOCATION

College-wide

## COST CHANGE

Cost increases due to addition of FY25 and FY26.

## 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 2019), Montgomery College 2025 Strategic Plan, Collegewide Facilities Master Plan Update (6/18), VFA Facilities Condition Assessment (12/13).

## OTHER

FY21 Appropriation: \$1,000,000 (G.O. Bonds). FY22 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.

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## FISCAL NOTE

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## DISCLOSURES

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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

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Macklin Tower Alterations (P036603)





# Collegewide Library Renovations (P661901)

Category	Montgomery College	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Planning Stage

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	1,310	-	400	910	-	-	910	-	-	-	-
Construction	13,310	-	-	13,310	4,200	-	9,110	-	-	-	-
Other	1,460	-	-	1,460	550	-	910	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>16,080</b>	<b>-</b>	<b>400</b>	<b>15,680</b>	<b>4,750</b>	<b>-</b>	<b>10,930</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	10,615	-	400	10,215	4,750	-	5,465	-	-	-	-
State Aid	5,465	-	-	5,465	-	-	5,465	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>16,080</b>	<b>-</b>	<b>400</b>	<b>15,680</b>	<b>4,750</b>	<b>-</b>	<b>10,930</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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

Appropriation FY 21 Request	4,750	Year First Appropriation	FY20
Appropriation FY 22 Request	-	Last FY's Cost Estimate	19,270
Cumulative Appropriation	400		
Expenditure / Encumbrances	-		
Unencumbered Balance	400		

## 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

Design for the renovation of the Takoma Park/Silver Spring campus library is to begin in FY20. Renovation of the Rockville Campus library is expected to follow in FY23.

## COST CHANGE

Takoma Park/Silver Spring Library added accelerated to FY21, and Rockville Library accelerated to FY23. The Germantown Campus library is no longer included in this project and is instead included in the scope of the new Germantown Student Services Center project.

## 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

FY21 Appropriation: \$4,750,000 (G.O. Bonds). FY22 Appropriation: \$0.



# Collegewide Physical Education Renovations (P661602)

Category	Montgomery College	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	1,210	686	24	500	500	-	-	-	-	-	-
Construction	17,790	7,287	2,003	8,500	1,000	1,500	1,500	1,500	1,500	1,500	-
<b>TOTAL EXPENDITURES</b>	<b>19,000</b>	<b>7,973</b>	<b>2,027</b>	<b>9,000</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Major Facilities Capital Projects Fund (College)	19,000	7,973	2,027	9,000	1,500	1,500	1,500	1,500	1,500	1,500	-
<b>TOTAL FUNDING SOURCES</b>	<b>19,000</b>	<b>7,973</b>	<b>2,027</b>	<b>9,000</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>-</b>

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

Appropriation FY 21 Request	1,500	Year First Appropriation	FY16
Appropriation FY 22 Request	1,500	Last FY's Cost Estimate	10,000
Cumulative Appropriation	10,000		
Expenditure / Encumbrances	8,029		
Unencumbered Balance	1,971		

## 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

College-wide

## ESTIMATED SCHEDULE

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

## COST CHANGE

Cost increases as the College programmed spending throughout the six-year period.

## 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 (6/18), and the Collegewide Facilities Condition Assessment (12/13).

## OTHER

FY21 Appropriation: \$1,500,000 (Major Facilities Capital Projects Fund-MC only). FY22 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).



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

Category	Montgomery College	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	155	104	51	-	-	-	-	-	-	-
Construction	845	803	22	20	10	10	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>1,000</b>	<b>907</b>	<b>73</b>	<b>20</b>	<b>10</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Transportation Facilities Capital Projects Fund (College)	1,000	907	73	20	10	10	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>1,000</b>	<b>907</b>	<b>73</b>	<b>20</b>	<b>10</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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

Appropriation FY 21 Request	-	Year First Appropriation	FY18
Appropriation FY 22 Request	-	Last FY's Cost Estimate	1,000
Cumulative Appropriation	1,000		
Expenditure / Encumbrances	907		
Unencumbered Balance	93		

## 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

Spending added throughout the six-year period.

## 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 2025 Strategic Plan, Collegewide Facilities Master Plan Update (6/18), and the Collegewide Facilities Condition Assessment (12/13).

## OTHER

Funding Source: 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).



# Elevator Modernization: College

(P056608)

Category	Montgomery College	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	653	549	104	-	-	-	-	-	-	-
Construction	5,627	3,020	1,407	1,200	200	200	200	200	200	200
<b>TOTAL EXPENDITURES</b>	<b>6,280</b>	<b>3,569</b>	<b>1,511</b>	<b>1,200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	6,280	3,569	1,511	1,200	200	200	200	200	200	200
<b>TOTAL FUNDING SOURCES</b>	<b>6,280</b>	<b>3,569</b>	<b>1,511</b>	<b>1,200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>

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

Appropriation FY 21 Request	200	Year First Appropriation	FY03
Appropriation FY 22 Request	200	Last FY's Cost Estimate	5,880
Cumulative Appropriation	5,080		
Expenditure / Encumbrances	4,775		
Unencumbered Balance	305		

## PROJECT DESCRIPTION

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

## LOCATION

College-wide

## COST CHANGE

Cost increases due to addition of FY25 and FY26.

## 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 (6/18), and the Takoma Park/Silver Spring Elevator Update (9/09).

## OTHER

FY21 Appropriation: \$200,000 (G.O. Bonds). FY22 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	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	3,362	2,102	180	1,080	180	180	180	180	180	180	-
Site Improvements and Utilities	59	59	-	-	-	-	-	-	-	-	-
Construction	3,565	2,800	45	720	120	120	120	120	120	120	-
Other	132	132	-	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>7,118</b>	<b>5,093</b>	<b>225</b>	<b>1,800</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	2,870	2,058	116	696	116	116	116	116	116	116	-
Federal Aid	49	49	-	-	-	-	-	-	-	-	-
G.O. Bonds	4,148	2,935	109	1,104	184	184	184	184	184	184	-
State Aid	51	51	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>7,118</b>	<b>5,093</b>	<b>225</b>	<b>1,800</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>-</b>

## OPERATING BUDGET IMPACT (\$000s)

Maintenance		(3,000)	(460)	(480)	(500)	(520)	(520)	(520)
Energy		(7,860)	(1,210)	(1,260)	(1,310)	(1,360)	(1,360)	(1,360)
<b>NET IMPACT</b>		<b>(10,860)</b>	<b>(1,670)</b>	<b>(1,740)</b>	<b>(1,810)</b>	<b>(1,880)</b>	<b>(1,880)</b>	<b>(1,880)</b>
<b>FULL TIME EQUIVALENT (FTE)</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 21 Request	300	Year First Appropriation	FY81
Appropriation FY 22 Request	300	Last FY's Cost Estimate	6,518
Cumulative Appropriation	5,318		
Expenditure / Encumbrances	5,133		
Unencumbered Balance	185		

## 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

College-wide

## COST CHANGE

Cost increases due to addition of FY25 and FY26.

## 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

FY21 Appropriation: Total - \$300,000; \$184,000 (G.O. Bonds), and \$116,000 (Current Revenue: General). FY22 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

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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 (6/18).

## DISCLOSURES

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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

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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	12/05/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	7,937	5,221	1,096	1,620	270	270	270	270	270	270	-
<b>TOTAL EXPENDITURES</b>	<b>7,937</b>	<b>5,221</b>	<b>1,096</b>	<b>1,620</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	7,937	5,221	1,096	1,620	270	270	270	270	270	270	-
<b>TOTAL FUNDING SOURCES</b>	<b>7,937</b>	<b>5,221</b>	<b>1,096</b>	<b>1,620</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>-</b>

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

Appropriation FY 21 Request	270	Year First Appropriation	FY88
Appropriation FY 22 Request	270	Last FY's Cost Estimate	7,397
Cumulative Appropriation	6,317		
Expenditure / Encumbrances	5,750		
Unencumbered Balance	567		

## 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

Cost increases due to addition of FY25 and FY26.

## 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(6/18).

## OTHER

FY21 Appropriation: \$270,000 (Current Revenue: General). FY22 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, FY20- Utilities Master Plan Update, FY20-Facilities Condition Assessment, FY20 -- Germantown Student Services Center Part I/II as submitted to the State, FY20 - Rockville Macklin Tower Library Renovation Part I/II as submitted to the State.



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

Category	Montgomery College	Date Last Modified	01/07/20
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Germantown and Vicinity	Status	Under Construction

	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	4,529	4,053	476	-	-	-	-	-	-	-	-
Construction	33,432	28,923	4,509	-	-	-	-	-	-	-	-
Other	3,106	1,038	2,048	20	10	10	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>41,067</b>	<b>34,014</b>	<b>7,033</b>	<b>20</b>	<b>10</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	21,144	17,380	3,754	10	5	5	-	-	-	-	-
State Aid	19,923	16,634	3,279	10	5	5	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>41,067</b>	<b>34,014</b>	<b>7,033</b>	<b>20</b>	<b>10</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 21 Request	-	Year First Appropriation	FY13
Appropriation FY 22 Request	-	Last FY's Cost Estimate	41,067
Cumulative Appropriation	41,067		
Expenditure / Encumbrances	38,950		
Unencumbered Balance	2,117		

## 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 FY18, this building was renamed to the Student Affairs and Science Building.

## LOCATION

Germantown Campus

## ESTIMATED SCHEDULE

Project construction was scheduled to be completed in the winter of 2019.

## COST CHANGE

Expenditures adjusted as the project nears completion.

## 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).



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## 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.)

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## 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.

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## COORDINATION

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

# EXECUTIVE RECOMMENDATION



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

Category	Montgomery College	Date Last Modified	01/07/20
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Germantown and Vicinity	Status	Under Construction

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Planning, Design and Supervision	4,529	4,053	476	-	-	-	-	-	-	-	-
Construction	33,432	28,923	4,509	-	-	-	-	-	-	-	-
Other	3,106	1,038	2,048	20	10	10	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>41,067</b>	<b>34,014</b>	<b>7,033</b>	<b>20</b>	<b>10</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

### FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
G.O. Bonds	21,144	17,380	3,754	10	5	5	-	-	-	-	-
State Aid	19,923	16,634	3,279	10	5	5	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>41,067</b>	<b>34,014</b>	<b>7,033</b>	<b>20</b>	<b>10</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

### COMPARISON (\$000s)

	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years	FY 21 Approp.
Prior Year Approved	41,067	40,967	100	-	-	-	-	-	-	-	-	-
Agency Request	41,067	34,014	7,033	20	10	10	-	-	-	-	-	-
Recommended	41,067	34,014	7,033	20	10	10	-	-	-	-	-	-

CHANGE	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Prior Year Approved	-	-	20	-	-	-
Recommended vs Prior Year Approved	-	-	20	-	-	-
Recommended vs Agency Request	-	-	-	-	-	-

## RECOMMENDATION

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Approve with Technical Modifications. A minor funding switch was made to the submission to maintain the previously approved funding levels for G.O. Bonds and State Aid.



# Germantown Student Affairs & Science Building Phase 2- Addition (P662102)

Category	Montgomery College	Date Last Modified	02/28/20
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Germantown and Vicinity	Status	Preliminary Design Stage

	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	3,500	-	-	3,500	-	-	-	-	-	3,500	-
Construction	23,114	-	-	-	-	-	-	-	-	-	23,114
Other	2,500	-	-	-	-	-	-	-	-	-	2,500
<b>TOTAL EXPENDITURES</b>	<b>29,114</b>	<b>-</b>	<b>-</b>	<b>3,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,500</b>	<b>25,614</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	14,557	-	-	1,750	-	-	-	-	-	1,750	12,807
State Aid	14,557	-	-	1,750	-	-	-	-	-	1,750	12,807
<b>TOTAL FUNDING SOURCES</b>	<b>29,114</b>	<b>-</b>	<b>-</b>	<b>3,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,500</b>	<b>25,614</b>

<b>APPROPRIATION AND EXPENDITURE DATA (\$000s)</b>											
Appropriation FY 21 Request	-	Year First Appropriation									
Appropriation FY 22 Request	-	Last FY's Cost Estimate									
Cumulative Appropriation	-										
Expenditure / Encumbrances	-										
Unencumbered Balance	-										

## PROJECT DESCRIPTION

This project funds the demolition of the north side of the Student Affairs and Science Building, and will rebuild it from 2 stories to three stories, which will be a net gain of 18,000 gross square feet to the building. The existing first floor programmatic functions are devoted mostly to Student Services, which will move to the new Germantown Student Services Center. The building is currently undergoing a two phase renovation and addition to convert and reconfigure the building to house the Department of Physics, Engineering and Math along with the Math, Physics and Engineering Learning (MAPEL) Center. 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. 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.

## LOCATION

Germantown Campus

## COST CHANGE

New project added to CIP.

## 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 13,584 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), and the Renovation/Addition to Sciences & Applied Studies Building at Montgomery College Germantown Campus, Part 1, Part 2 (3/11).

## OTHER

FY21 Appropriation: 0. FY22 Appropriation:0.

## 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

Facility Planning: College (No. P886686), Germantown Science & Applied Studies Phase 1- Renov. (No. P136600), Energy Conservation: College (No.



# Germantown Student Services Center (P076612)

Category	Montgomery College	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Germantown and Vicinity	Status	Planning Stage

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	10,290	-	-	10,290	-	2,500	6,654	1,136	-	-	-
Construction	68,606	-	-	68,606	-	-	-	20,847	47,759	-	-
Other	6,860	-	-	6,860	-	-	-	-	6,860	-	-
<b>TOTAL EXPENDITURES</b>	<b>85,756</b>	<b>-</b>	<b>-</b>	<b>85,756</b>	<b>-</b>	<b>2,500</b>	<b>6,654</b>	<b>21,983</b>	<b>54,619</b>	<b>-</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	42,878	-	-	42,878	-	1,250	3,327	10,991	27,310	-	-
State Aid	42,878	-	-	42,878	-	1,250	3,327	10,992	27,309	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>85,756</b>	<b>-</b>	<b>-</b>	<b>85,756</b>	<b>-</b>	<b>2,500</b>	<b>6,654</b>	<b>21,983</b>	<b>54,619</b>	<b>-</b>	<b>-</b>

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

Appropriation FY 21 Request	-	Year First Appropriation	
Appropriation FY 22 Request	10,290	Last FY's Cost Estimate	61,962
Cumulative Appropriation	-		
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, as well as media and academic computing support functions. The scope of this project has changed to include a library, and bookstore.

## LOCATION

Germantown Campus

## COST CHANGE

Costs increased due to the addition of a cafeteria and bookstore to the scope of the project.

## 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 2018 space deficit of 69,081 NASF, and a 2028 projected space deficit of 69,081. Relevant studies include the Montgomery College 2025 Strategic Plan, and Collegewide Facilities Master Plan Update (6/18).

## OTHER

FY22 Appropriation: \$10,290,000; \$5,145,000 (G.O. Bonds) and \$5,145,000 (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 (\$68,606,000) include: site improvement costs (\$5,000,000), building construction costs (\$63,606,000). The building construction cost per gross square foot equals \$416 (\$63,606,000/153,000).

## 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

Sciences and Applied Studies Building Alterations (CIP# P056605)



# Information Technology: College

(P856509)

Category	Montgomery College	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	5,080	4,389	691	-	-	-	-	-	-	-
Construction	21,847	18,847	-	3,000	500	500	500	500	500	500
Other	164,897	106,228	10,669	48,000	8,000	8,000	8,000	8,000	8,000	8,000
<b>TOTAL EXPENDITURES</b>	<b>191,824</b>	<b>129,464</b>	<b>11,360</b>	<b>51,000</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	127,264	64,904	11,360	51,000	8,500	8,500	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	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>191,824</b>	<b>129,464</b>	<b>11,360</b>	<b>51,000</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>

## OPERATING BUDGET IMPACT (\$000s)

FULL TIME EQUIVALENT (FTE)				4	4	4	4	4	4
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## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 21 Request	8,500	Year First Appropriation	FY85
Appropriation FY 22 Request	8,500	Last FY's Cost Estimate	174,824
Cumulative Appropriation	140,824		
Expenditure / Encumbrances	133,777		
Unencumbered Balance	7,047		

## 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

College-wide

## COST CHANGE

Costs increase due to the addition of FY25 to FY26. Adjustments in FY21-24 flatten out spending to the regular LOE appropriation.

## 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

FY21 Appropriation: \$8,500,000 (Current Revenue: General). FY20 Appropriation: \$8,500,000 (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).

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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

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Expenditures will continue indefinitely.

## COORDINATION

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MC2025 Strategic Plan, Academic Master Plan 2016-2021, Collegewide Facilities Master Plan Update (6/18), 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	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Other	4,800	2,631	549	1,620	270	270	270	270	270	270	-
TOTAL EXPENDITURES	4,800	2,631	549	1,620	270	270	270	270	270	270	-

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	4,800	2,631	549	1,620	270	270	270	270	270	270	-
TOTAL FUNDING SOURCES	4,800	2,631	549	1,620	270	270	270	270	270	270	-

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

Appropriation FY 21 Request	270	Year First Appropriation	FY09
Appropriation FY 22 Request	270	Last FY's Cost Estimate	4,260
Cumulative Appropriation	3,180		
Expenditure / Encumbrances	2,631		
Unencumbered Balance	549		

## 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

College-wide

## COST CHANGE

Costs increase due to the addition of FY25 and FY26.

## 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

FY21 Appropriation: \$270,000 (Current Revenue: General). FY22 Appropriation: \$270,000 (Current Revenue: General).

## DISCLOSURES

Expenditures will continue indefinitely.

## COORDINATION

Montgomery College 2016-2021 Academic Master Plan





# Macklin Tower Alterations

(P036603)

Category	Montgomery College	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Rockville	Status	Under Construction

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	1,591	1,550	41	-	-	-	-	-	-	-
Construction	9,013	8,881	132	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>10,604</b>	<b>10,431</b>	<b>173</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	10,604	10,431	173	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>10,604</b>	<b>10,431</b>	<b>173</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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

Appropriation FY 21 Request	-	Year First Appropriation	FY03
Appropriation FY 22 Request	-	Last FY's Cost Estimate	10,604
Cumulative Appropriation	10,604		
Expenditure / Encumbrances	10,573		
Unencumbered Balance	31		

## PROJECT DESCRIPTION

This project provides funding for major building infrastructure improvements to Macklin Tower including replacement of major mechanical, electrical, and plumbing systems and equipment; upgrade/replacement of life safety systems (fire alarm, emergency generator and sprinkler systems); upgrade/replacement of building elevators; and building access upgrades. The College completed a facilities condition assessment of the building in August 2002 that evaluated all building systems and related equipment and identified major repair and/or replacement requirements.

## LOCATION

Rockville Campus

## ESTIMATED SCHEDULE

Project construction was completed Spring 2019.

## PROJECT JUSTIFICATION

Macklin Tower was constructed in 1971 and this forty-seven year old facility is 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. This project is coordinated with the College's FY02 supplemental appropriation request to the PLAR project (CIP #P926659) to correct significant water and air infiltration problems with a failing exterior curtain wall framing system and a deteriorating sealant used on all of the building's windows. The College completed a building condition assessment in 2002 that provides a detailed evaluation of building deficiencies and initial cost estimates for major repairs, equipment replacements, and related improvements. Schematic Design for Curtain Wall Remediation - Macklin Tower (5/25/01) and Curtain Wall and Building Envelope Investigation - Macklin Tower (3/16/01). Montgomery College 2025 Strategic Plan, Collegewide Facilities Condition Assessment (12/13) and Collegewide Facilities Master Plan Update (6/18).

## OTHER

Funding Source: G.O. Bonds. The following fund transfer has been made from this project: \$400,000 to the Takoma Park Campus Expansion Project (# 996662) (BOT Resol. # 07-01-005, 01/16/07).

## FISCAL NOTE

In December 2001, the County Council approved an FY02 supplemental capital budget appropriation of \$2,075,000 to the PLAR project (CIP #P926659) to replace the building's exterior curtain wall to correct problems associated with a failing exterior curtain wall framing system and a deteriorating window sealant. The exterior curtain wall replacement was completed in spring 2003. An engineering evaluation of the building's fire alarm system and emergency generator was completed in August 2002 and a design/build replacement of this system and equipment was completed in summer 2003 for the tower. Mechanical and electrical equipment upgrades of floors 2-6 in the tower have been completed (2004/2005). The current focus is mechanical, electrical and plumbing upgrades for the ground floor.



# Network Infrastructure and Server Operations (P076619)

Category	Montgomery College	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	6,064	3,951	1,033	1,080	180	180	180	180	180	180	-
Construction	2,174	1,574	-	600	100	100	100	100	100	100	-
Other	38,679	13,632	3,927	21,120	3,520	3,520	3,520	3,520	3,520	3,520	-
<b>TOTAL EXPENDITURES</b>	<b>46,917</b>	<b>19,157</b>	<b>4,960</b>	<b>22,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>-</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
Current Revenue: General	45,497	17,737	4,960	22,800	3,800	3,800	3,800	3,800	3,800	3,800	-
Recordation Tax	1,420	1,420	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>46,917</b>	<b>19,157</b>	<b>4,960</b>	<b>22,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>-</b>

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

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 21 Request	3,800	Year First Appropriation	FY07
Appropriation FY 22 Request	3,800	Last FY's Cost Estimate	39,317
Cumulative Appropriation	24,117		
Expenditure / Encumbrances	20,876		
Unencumbered Balance	3,241		

## 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

Costs increase due to the addition of FY25 to FY26. Adjustments in FY21-24 flatten out spending to the regular LOE appropriation.

## 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

FY21 Appropriation: \$3,800,000 (Current Revenue: General). FY22 Appropriation: \$3,800,000 (Current Revenue: General). The following fund

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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

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Expenditures will continue indefinitely.

## COORDINATION

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MC2025 Strategic Plan, Academic Master Plan 2016-2021, Collegewide Facilities Master Plan Update (6/18), 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	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	9,103	5,314	1,389	2,400	400	400	400	400	400	400	-
Construction	71,895	44,795	5,500	21,600	3,600	3,600	3,600	3,600	3,600	3,600	-
Other	635	363	272	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>81,633</b>	<b>50,472</b>	<b>7,161</b>	<b>24,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	1,940	1,940	-	-	-	-	-	-	-	-	-
G.O. Bonds	79,693	48,532	7,161	24,000	4,000	4,000	4,000	4,000	4,000	4,000	-
<b>TOTAL FUNDING SOURCES</b>	<b>81,633</b>	<b>50,472</b>	<b>7,161</b>	<b>24,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>-</b>

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

Appropriation FY 21 Request	4,000	Year First Appropriation	FY93
Appropriation FY 22 Request	4,000	Last FY's Cost Estimate	67,283
Cumulative Appropriation	57,633		
Expenditure / Encumbrances	54,114		
Unencumbered Balance	3,519		

## 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

College-wide

## COST CHANGE

Costs increase to restore reductions from the FY19-24 biennial CIP and the addition of FY25 and FY26.

## 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 \$152 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 (6/18), and the County Council Report of the Infrastructure Maintenance Task Force (3/16).

## OTHER

FY21 Appropriation: \$4,000,000 (G.O. Bonds). FY22 Appropriation: \$4,000,000 (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.

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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).

## DISCLOSURES

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Expenditures will continue indefinitely.

## COORDINATION

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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	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	33,061	22,180	2,301	8,580	1,430	1,430	1,430	1,430	1,430	1,430	-
Construction	10,139	6,863	456	2,820	470	470	470	470	470	470	-
<b>TOTAL EXPENDITURES</b>	<b>43,200</b>	<b>29,043</b>	<b>2,757</b>	<b>11,400</b>	<b>1,900</b>	<b>1,900</b>	<b>1,900</b>	<b>1,900</b>	<b>1,900</b>	<b>1,900</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	20,926	15,380	1,178	4,368	728	728	728	728	728	728	-
G.O. Bonds	22,274	13,663	1,579	7,032	1,172	1,172	1,172	1,172	1,172	1,172	-
<b>TOTAL FUNDING SOURCES</b>	<b>43,200</b>	<b>29,043</b>	<b>2,757</b>	<b>11,400</b>	<b>1,900</b>	<b>1,900</b>	<b>1,900</b>	<b>1,900</b>	<b>1,900</b>	<b>1,900</b>	<b>-</b>

## OPERATING BUDGET IMPACT (\$000s)

FULL TIME EQUIVALENT (FTE)				16	16	16	16	16	16	
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## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 21 Request	1,900	Year First Appropriation	FY90
Appropriation FY 22 Request	1,900	Last FY's Cost Estimate	39,200
Cumulative Appropriation	31,800		
Expenditure / Encumbrances	30,285		
Unencumbered Balance	1,515		

## 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

Costs increase to account for salary adjustments, to increase spending closer to the actual cost of salaries funded through the program, and the addition of FY25 and FY26.

## 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

FY21 Appropriation: \$1,900,000; \$1,172,000 (G.O. Bonds) and \$728,000 (Current Revenue: General). FY22 Appropriation: \$1,900,000; \$1,172,000 (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	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Rockville	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	2,800	2,584	216	-	-	-	-	-	-	-
Construction	25,840	25,266	574	-	-	-	-	-	-	-
Other	160	90	70	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>28,800</b>	<b>27,940</b>	<b>860</b>	-	-	-	-	-	-	-

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	15,550	15,541	9	-	-	-	-	-	-	-
Revenue Authority	13,250	12,399	851	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>28,800</b>	<b>27,940</b>	<b>860</b>	-	-	-	-	-	-	-

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

Appropriation FY 21 Request	-	Year First Appropriation	FY15
Appropriation FY 22 Request	-	Last FY's Cost Estimate	28,800
Cumulative Appropriation	28,800		
Expenditure / Encumbrances	27,940		
Unencumbered Balance	860		

## 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.

## LOCATION

Rockville Campus

## ESTIMATED SCHEDULE

Project construction was completed in January 2017.

## 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. The Revenue Authority Bonds remaining will be refunded to debt service.

## 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)

# EXECUTIVE RECOMMENDATION



## Rockville Parking Garage (P136601)

Category	Montgomery College	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Rockville	Status	Ongoing

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Planning, Design and Supervision	2,800	2,584	216	-	-	-	-	-	-	-	-
Construction	25,840	25,266	574	-	-	-	-	-	-	-	-
Other	160	90	70	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>28,800</b>	<b>27,940</b>	<b>860</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

### FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
G.O. Bonds	15,550	15,541	9	-	-	-	-	-	-	-	-
Revenue Authority	13,250	12,399	851	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>28,800</b>	<b>27,940</b>	<b>860</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

### COMPARISON (\$000s)

	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years	FY 21 Approp.
Prior Year Approved	28,800	28,800	-	-	-	-	-	-	-	-	-	-
Agency Request	28,800	27,940	860	-	-	-	-	-	-	-	-	-
Recommended	28,800	27,940	860	-	-	-	-	-	-	-	-	-

CHANGE	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Prior Year Approved	-	-	-	-	-	-
Recommended vs Prior Year Approved	-	-	-	-	-	-
Recommended vs Agency Request	-	-	-	-	-	-

## RECOMMENDATION

Approve with Technical Modifications.



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Appropriation has been adjusted to equal total project costs as Council intended in FY20.



# Rockville Student Services Center (P076604)

Category	Montgomery College	Date Last Modified	12/19/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Rockville	Status	Under Construction

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	10,369	6,648	3,721	-	-	-	-	-	-	-
Construction	53,716	40,828	12,888	-	-	-	-	-	-	-
Other	9,475	372	9,083	20	10	10	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>73,560</b>	<b>47,848</b>	<b>25,692</b>	<b>20</b>	<b>10</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	37,927	23,924	13,993	10	5	5	-	-	-	-
State Aid	35,633	23,924	11,699	10	5	5	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>73,560</b>	<b>47,848</b>	<b>25,692</b>	<b>20</b>	<b>10</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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

Appropriation FY 21 Request	-	Year First Appropriation	FY13
Appropriation FY 22 Request	-	Last FY's Cost Estimate	73,560
Cumulative Appropriation	73,560		
Expenditure / Encumbrances	58,550		
Unencumbered Balance	15,010		

## 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 summer 2020.

## COST CHANGE

Spending adjusted as project concludes.

## 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. 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: site improvement costs (\$9,553,000), 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.



# Roof Replacement: College (P876664)

Category	Montgomery College	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	1,907	1,061	246	600	100	100	100	100	100	100	-
Construction	18,264	9,872	536	7,856	900	1,400	1,740	1,512	1,440	864	-
<b>TOTAL EXPENDITURES</b>	<b>20,171</b>	<b>10,933</b>	<b>782</b>	<b>8,456</b>	<b>1,000</b>	<b>1,500</b>	<b>1,840</b>	<b>1,612</b>	<b>1,540</b>	<b>964</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	1,248	1,248	-	-	-	-	-	-	-	-	-
G.O. Bonds	17,720	8,482	782	8,456	1,000	1,500	1,840	1,612	1,540	964	-
State Aid	1,203	1,203	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>20,171</b>	<b>10,933</b>	<b>782</b>	<b>8,456</b>	<b>1,000</b>	<b>1,500</b>	<b>1,840</b>	<b>1,612</b>	<b>1,540</b>	<b>964</b>	<b>-</b>

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

Appropriation FY 21 Request	1,000	Year First Appropriation	FY87
Appropriation FY 22 Request	1,500	Last FY's Cost Estimate	11,815
Cumulative Appropriation	11,715		
Expenditure / Encumbrances	10,936		
Unencumbered Balance	779		

## 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

College-wide

## COST CHANGE

Increase is due to a recent roof condition survey showing an increased need for funding.

## 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 (2/16).

## OTHER

FY21 Appropriation: \$1,000,000(G.O. Bonds). FY22 Appropriation: \$1,500,000 (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).

## 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.



# Site Improvements: College (P076601)

Category	Montgomery College	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	3,514	2,509	105	900	200	140	140	140	140	140	-
Site Improvements and Utilities	17,130	13,010	-	4,120	1,220	580	580	580	580	580	-
Construction	2,890	1,650	760	480	80	80	80	80	80	80	-
<b>TOTAL EXPENDITURES</b>	<b>23,534</b>	<b>17,169</b>	<b>865</b>	<b>5,500</b>	<b>1,500</b>	<b>800</b>	<b>800</b>	<b>800</b>	<b>800</b>	<b>800</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	1,000	1,000	-	-	-	-	-	-	-	-	-
G.O. Bonds	22,534	16,169	865	5,500	1,500	800	800	800	800	800	-
<b>TOTAL FUNDING SOURCES</b>	<b>23,534</b>	<b>17,169</b>	<b>865</b>	<b>5,500</b>	<b>1,500</b>	<b>800</b>	<b>800</b>	<b>800</b>	<b>800</b>	<b>800</b>	<b>-</b>

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

Appropriation FY 21 Request	1,500	Year First Appropriation	FY07
Appropriation FY 22 Request	800	Last FY's Cost Estimate	20,834
Cumulative Appropriation	18,034		
Expenditure / Encumbrances	17,981		
Unencumbered Balance	53		

## 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

College-wide

## COST CHANGE

Costs increase in FY21 to improve two parking lots on the Rockville Campus, in FY22-24 to increase project appropriations more generally, and from the addition of FY25 and FY26.

## 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

FY21 Appropriation: \$1,500,000 (G.O. Bonds). FY22 Appropriation: \$800,000 (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).

## DISCLOSURES

Expenditures will continue indefinitely.



# Student Learning Support Systems

(P076617)

Category	Montgomery College	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	7,136	3,941	795	2,400	400	400	400	400	400	400	-
Other	16,884	9,503	1,381	6,000	1,000	1,000	1,000	1,000	1,000	1,000	-
<b>TOTAL EXPENDITURES</b>	<b>24,020</b>	<b>13,444</b>	<b>2,176</b>	<b>8,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	23,658	13,082	2,176	8,400	1,400	1,400	1,400	1,400	1,400	1,400	-
Recordation Tax	362	362	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>24,020</b>	<b>13,444</b>	<b>2,176</b>	<b>8,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>-</b>

## OPERATING BUDGET IMPACT (\$000s)

FULL TIME EQUIVALENT (FTE)				4	4	4	4	4	4
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## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 21 Request	1,400	Year First Appropriation	FY07
Appropriation FY 22 Request	1,400	Last FY's Cost Estimate	21,220
Cumulative Appropriation	15,620		
Expenditure / Encumbrances	14,541		
Unencumbered Balance	1,079		

## 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

College-wide

## COST CHANGE

Costs increase due to the addition of FY25 to FY26. Adjustments in FY21-24 flatten out spending to the regular LOE appropriation.

## 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

FY21 Appropriation: \$1,400,000 (Current Revenue: General). FY22 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



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

Category	Montgomery College	Date Last Modified	12/17/19
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Silver Spring and Vicinity	Status	Planning Stage

Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	10,276	2,712	7,564	-	-	-	-	-	-	-
Construction	71,242	-	8,994	62,248	27,464	22,302	12,482	-	-	-
Other	7,410	-	-	7,410	-	7,410	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>88,928</b>	<b>2,712</b>	<b>16,558</b>	<b>69,658</b>	<b>27,464</b>	<b>29,712</b>	<b>12,482</b>	<b>-</b>	<b>-</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	44,464	1,356	8,279	34,829	13,732	14,856	6,241	-	-	-
State Aid	44,464	1,356	8,279	34,829	13,732	14,856	6,241	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>88,928</b>	<b>2,712</b>	<b>16,558</b>	<b>69,658</b>	<b>27,464</b>	<b>29,712</b>	<b>12,482</b>	<b>-</b>	<b>-</b>	<b>-</b>

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

Appropriation FY 21 Request	-	Year First Appropriation	FY16
Appropriation FY 22 Request	7,410	Last FY's Cost Estimate	88,642
Cumulative Appropriation	81,518		
Expenditure / Encumbrances	10,068		
Unencumbered Balance	71,450		

## 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 2022.

## COST CHANGE

Equipment costs increased in line with the State-approved 4% escalation rate.

## 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 (6/18).

## OTHER

FY21 Appropriation: 0 FY22 Appropriation: \$7,410,000; \$3,705,000 (G.O. Bonds), and \$3,705,000 (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)