

**MEMORANDUM**

March 19, 2019

TO: Education and Culture Committee

FROM: Craig Howard, <sup>CH</sup> Senior Legislative Analyst

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

PURPOSE: Make Committee Recommendations for Council Consideration

**Expected Participants:**

- Dr. DeRionne Pollard, President, Montgomery College
- Donna Schena, Interim 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
- Rich Harris, Montgomery County Office of Management and Budget

**A. Overview**

Montgomery College’s amended six-year total CIP request is \$304.0 million, a \$26.7 million (9.6%) increase over the FY19-24 Approved CIP. In January, the County Executive recommended an amended six-year total of \$279.6 million, a \$2.3 million increase (0.8%) from the current approved CIP but a \$24.4 million reduction (8.0%) from the College’s request. As part of his March 15 Operating Budget recommendation, the Executive recommended an additional \$1.5 million reduction in FY20 making the total 6-year gap \$25.9 million. The table below compares the College request with the Executive’s recommendation (including the March 15 changes).

**Montgomery College FY19-24 Amended CIP: College Request compared to CE Rec (\$'s in 000's)**

	Six-Year	FY19	FY20	FY21	FY22	FY23	FY24	Beyond 6 years
<b>FY19-24 Approved</b>	<b>277,300</b>	<b>42,868</b>	<b>37,169</b>	<b>50,727</b>	<b>56,605</b>	<b>38,768</b>	<b>51,163</b>	<b>41,688</b>
<b>FY19-24 MC Amended Request</b>	<b>304,004</b>	42,868	40,753	57,554	60,200	49,323	53,306	28,681
change from approved	<b>26,704</b>	-	3,584	6,827	3,595	10,555	2,143	(13,007)
<b>FY19-24 CE Recommended</b>	<b>278,089</b>	42,768	36,524	51,985	57,099	39,150	50,563	44,071
change from approved	<b>789</b>	(100)	(645)	1,258	494	382	(600)	2,383
change from MC Request	<b>(25,915)</b>	(100)	(4,229)	(5,569)	(3,101)	(10,173)	(2,743)	15,390

**Summary of College request.** The College’s six-year CIP request totals \$304.4 million, and the FY20 appropriation request totals \$98.6 million. The College’s transmittal letter and summary tables are at ©1-4. Highlights of the College’s requested amendments include:

- One new project, **Collegewide Central Plant and Distribution Systems**, to provide a standalone project for HVAC system construction, renovation, and expansion on all three campuses. The College anticipates receiving an ongoing State grant to fund a portion of this project.
- Moving \$14.1 million for **Collegewide Library Renovations** project into the six-year CIP timeframe. These dollars were also requested by the College last year but moved outside the six-year timeframe as part of the Council’s approved FY19-24 CIP due to affordability constraints.
- Construction escalation cost increases of 4.0% as allowed by the State for the College’s state assisted projects (**Germantown Student Services Center** and **TP/SS Math and Science Center**). The State allows pre-approved increases for certain future design, construction, and furniture/equipment costs with the increase split 50/50 with the County. Typically, the College requests and the Council approves these escalation increases as it results in the County paying 50 cents on the dollar for projected costs increases.
- An increase of \$2.0 million in FY20 for the **Collegewide Physical Education Renovations** project, supported entirely by student fee revenue.
- An increase in the **Planning, Design, & Construction** project to fund salary enhancements matching those that were provided to staff in the approved FY19 operating budget.
- An increase in the **Energy Conservation** project to fund a new mechanical engineer position.

**Summary of County Executive recommendation.** The Executive recommends specific reductions and/or changes to eight projects totaling \$15.2 million. Of this total, the College and the Executive worked together to identify \$3.6 million in reductions offered by the College to ensure funding is available for the requested increases for the TP/SS Math and Science Center. The Executive also includes an Affordability Reconciliation PDF that reduces \$9.25 million (\$7.75 million in his January CIP recommendation, and \$1.5 million in his March amendments) from the College’s request but does not specify how the reductions would be taken (©5-6).

**B. College Affordability Reconciliation (PDF at ©7) and Non-Recommended Reductions**

FY19-24 CIP	Total 6						
	Years	FY19	FY20	FY21	FY22	FY23	FY24
CE Recommendation	(9,250)	-	(1,654)	(1,969)	(1,969)	(1,829)	(1,829)
GO Bonds	(6,975)	-	(27)	(1,772)	(1,772)	(1,702)	(1,702)
Current Revenue	(2,275)	-	(1,627)	(197)	(197)	(127)	(127)

The Executive’s total affordability reduction of \$9.25 million comes from a reduction in both GO Bonds (\$6.975 million) and Current Revenue (\$2.275 million). 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.

**January reduction.** In response to the Executive’s original affordability reduction of \$7.75 million, the College provided Council staff with a proposed set of non-recommended reductions to meet this cut. The College is recommending that the entire \$7.75 million be taken from the Planned Lifecycle Asset Replacement (PLAR) project as shown in the table below by year. Because the PLAR project is entirely funded by GO Bonds, this reduction would also require changes in GO Bonds and Current

Revenue funding levels in the Planning, Design and Construction project to make the dollars, funding sources, and years align. Specific changes to each project are detailed in the next section. **As in past years, while the College is providing the non-recommended reductions as needed for the Council's review, they are also requesting restoration of these cuts as part of the final CIP reconciliation process in May as funding allows.**

**Montgomery College Non-Recommended Reductions (listed in preferred restoration order)**

<b>Fiscal Year</b>	<b>PLAR Reduction</b>
FY20	(154)
FY21	(1,969)
FY22	(1,969)
FY23	(1,829)
FY24	(1,829)
<b>Total</b>	<b>(7,750)</b>

**March reduction.** Since the College did not receive the Executive's additional reduction of \$1.5 million in FY20 current revenue until March 15, it was not included in the non-recommended reductions submitted. **Council staff recommends reviewing this reduction in more detail as part of the Committee's April 12 worksession on the College's operating budget request.**

The Executive's states that the reduced February income tax distribution necessitates the additional current revenue reductions for FY20. Council staff notes that most of the current revenue in the College's CIP is in the Information Technology (\$8.5 million in FY20) and Network Infrastructure (\$3.8 million in FY20). Meeting this additional reduction will likely require changes to one or both of those projects.

**C. Individual Projects for Discussion**

**1. Collegewide Road/Parking Lot Repairs and Replacements (PDFs at ©8-9)**

This project provides for 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, security, and storm water management. It is funded entirely via student fee revenue in the College's Transportation Facilities Capital Projects Fund.

The College requested an additional \$500,000 in spending authority for this project in FY20. However, upon further review the College determined that the additional funding would not be available in FY20 from the Transportation Fund and requested that these funds be deleted. The Executive's recommendation makes the modifications requested by the College.

**Council staff recommends approval of the reduction as requested by the College.**

**2. Collegewide Physical Education Renovations (PDF at ©10-11)**

This project provides funding for the renovation of physical education buildings on Montgomery College's three campuses, turf to support the College's athletic programs, and Title IX improvements. The College requests an appropriation of \$2.0 million for this project in FY20. No County funds are requested, as the College proposes to fund this increase from the student fee-supported Major Facilities Capital Projects Fund. The County Executive supports the College's request for this project.

**Council Staff recommends approval of the College's request.**

3. **Rockville Parking Garage** (PDFs ©12-14)
4. **Germantown Observation Drive Reconstruction** (PDFs ©15-16)

These projects are both at or near completion. As part of discussions with the Executive, the College identified unencumbered balances in both projects that are no longer needed and can be used to help fund other projects. The Executive recommends modifying these projects as follows:

- Reducing \$186,000 in unencumbered balance from the Germantown Observation Drive Reconstruction project; and
- Reducing \$900,000 in unencumbered balance and unneeded FY19 and FY20 funding from the Rockville Parking Garage project.

**Council staff recommends approval of the Executive’s reductions in these projects as identified by the College.**

5. **Collegewide Central Plant and Distribution Systems** (PDFs at ©17-19)

FY19-24 CIP	Total 6						
	Years	FY19	FY20	FY21	FY22	FY23	FY24
<b>MC Request</b>	<b>4,375</b>	-	<b>875</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>
GO Bonds	4,000	-	500	1,000	1,000	1,000	1,000
State Aid	375	-	375	-	-	-	-
<b>CE Recommendation</b>	<b>5,375</b>	-	<b>375</b>	<b>1,500</b>	<b>1,000</b>	<b>1,500</b>	<b>1,000</b>
GO Bonds	4,000	-	-	1,000	1,000	1,000	1,000
State Aid	1,375	-	375	500	-	500	-
<b>Recommended Modification</b>	<b>5,475</b>	-	<b>475</b>	<b>1,000</b>	<b>1,500</b>	<b>1,000</b>	<b>1,500</b>
GO Bonds	4,000	-	-	1,000	1,000	1,000	1,000
State Aid	1,475	-	475	-	500	-	500

This new 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. Previously, the College funded this work through the Planned Lifecycle Asset Replacement (PLAR) project. This project also takes advantage of State funding through a new Community College Facilities Renewal Grant Program.

**College request.** The College requests \$4.875 million for this project over the six-year period. The FY20 request is for \$875,000 - \$500,000 in G.O. Bonds and \$375,000 in State funding. The request includes level funding of \$1 million per year in G.O. Bonds in the outyears.

**Executive recommendation.** The Executive recommends an increased six-year total for this project of \$5.375 million by:

- Eliminating \$500,000 in G.O. Bond funding for FY20. The College offered this reduction due to affordability considerations.
- Assuming additional State Aid of \$500,000 per year in FY21 and FY23. The College anticipates receiving funding from the facility renewal grant every other year.

**Further recommended modifications.** College staff has identified two technical adjustments to the funding schedule as recommended by the Executive:

- Increase FY20 State Aid to \$475,000. The College has received notification from the Maryland Higher Education Commission that the funding under this grant program will be higher than originally anticipated.
- Move the \$500,000 in assumed State Aid from FY21 and FY23 to FY22 and FY24. This change reflects when the College anticipates receiving this grant.

**Council staff recommends approval of the Executive’s reduction in FY20 G.O. Bond funding and the additional State Aid modifications identified by the College.**

**6. Collegewide Library Renovations** (PDFs at ©20-22)

FY19-24 CIP	Total 6							Beyond 6 Years
	Years	FY19	FY20	FY21	FY22	FY23	FY24	
Current Approved	5,160	-	400	-	-	55	4,705	14,110
MC Request	19,270	-	400	4,500	890	8,775	4,705	-
CE Recommendation	5,160	-	-	400	-	55	4,705	14,110
Change: CE rec vs. MC request	(14,110)	-	(400)	(4,100)	(890)	(8,720)	-	14,110

This project is intended to fund the renovation of the libraries on all three campuses in the Rockville Macklin Tower Building, the Takoma Park/Silver Spring Resource Center, and the Germantown Humanities and Social Sciences Building. 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.

**College request.** The College requests a six-year total of \$19.3 million in G.O. Bond funding for this project, with \$400,000 in FY20. The request moves \$14.1 million into the six-year CIP timeframe. These dollars were also requested by the College last year but moved outside the six-year timeframe as part of the Council’s approved FY19-24 CIP due to affordability constraints. The requested changes do not impact FY20, occurring in FY21-23.

**Executive recommendation.** The Executive recommends reverting funding and expenditures back to the previously approved levels as the requested changes do not meet the biennial CIP amendment criteria. Additionally, the Executive recommends moving \$400,000 from FY20 to FY21 as offered by the College to address affordability concerns.

**Council staff recommends approval of the Executive’s reductions to maintain project funding at the previously approved levels.** College staff indicate that they intend to revisit this project in preparation for the FY21-26 CIP, including the issue of requesting State Aid for this project.

**7. Planned Lifecycle Asset Replacement (PLAR) (PDFs ©23-25)**

FY19-24 CIP	Total 6						
	Years	FY19	FY20	FY21	FY22	FY23	FY24
<b>Current Approved</b>	<b>24,000</b>	4,000	4,000	4,000	4,000	4,000	4,000
<b>CE Recommendation</b>	<b>23,000</b>	4,000	3,000	4,000	4,000	4,000	4,000
<b>MC Non-Recommended Reduction</b>	<b>15,250</b>	4,000	2,846	2,031	2,031	2,171	2,171
Change: MC non-rec vs approved	(8,750)	-	(1,154)	(1,969)	(1,969)	(1,829)	(1,829)
Change: MC non-rec vs. CE rec	(7,750)	-	(154)	(1,969)	(1,969)	(1,829)	(1,829)

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. The approved FY19-24 CIP includes level of effort funding for this project of \$4 million per year. The College did not request an amendment to this project.

**Executive recommendation.** The Executive recommends reducing FY20 funding by \$1 million to address affordability concerns as offered by Montgomery College.

**College non-recommended reduction.** The College proposes non-recommended reductions in this project to meet the Executive’s initial \$7.75 million affordability reductions. In total, this would result in \$8.75 million in reductions over the six-year period.

The College notes that they do have a large backlog of deferred maintenance, and that the current approved CIP funding only covers approximately 44% of total deferred maintenance costs. As a result, further decreases in this project will lower that number.

**Council staff recommends approval of the College’s non-recommended reductions, along with their priority order for restoration (listed on page 3) if additional funds are available as part of final CIP reconciliation in May.** Accepting these reductions will also require technical changes in the Planning, Design, and Construction project.

**8. Planning, Design, and Construction (PDF at ©26-27)**

FY19-24 CIP	Total 6						
	Years	FY19	FY20	FY21	FY22	FY23	FY24
<b>Current Approved</b>	<b>10,496</b>	1,796	1,796	1,656	1,656	1,796	1,796
<b>MC Request</b>	<b>11,046</b>	1,796	1,850	1,850	1,850	1,850	1,850
GO Bonds	5,803	968	995	925	925	995	995
Current Revenue	5,243	828	855	925	925	855	855
<i>Change: MC request vs approved</i>	<i>550</i>	<i>-</i>	<i>54</i>	<i>194</i>	<i>194</i>	<i>54</i>	<i>54</i>
<b>MC Non-Recommended Reduction</b>	<b>11,046</b>	1,796	1,850	1,850	1,850	1,850	1,850
GO Bonds	6,578	968	1,122	1,122	1,122	1,122	1,122
Current Revenue	4,468	828	728	728	728	728	728

This project funds 16 full-time positions in the Facilities Office that plan, design, and manage the College’s capital program. This project as approved by the Council for the FY19-24 CIP was reduced from the College’s request due to affordability considerations.

**College request.** The College requests an increase of \$550,000 for this project over the six-year period, and the FY20 increase is \$54,000 to reflect a 3% salary increase College employees received in FY19. The Council's typical approach to compensation increases in the capital budget is to provide funding comparable to the increase provided to positions in the prior fiscal year's operating budget.

The College reports that the 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 is \$1.85 million, but the total salary and benefit costs paid out of the project are \$2.07 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 2016 from the Bioscience Education Center project. However, over the past few years any unused funds from other projects have been used to address overall affordability throughout the CIP.

The College estimates that, without the requested increase, the available carryover funds will run out by the end of FY21 as shown below. While the request does not cover the entire annual expenditure gap, the College believes that incremental increases will help prevent the need for a larger future request.

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

<b>Current Approved</b>	<b>FY19</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>	<b>FY24</b>
County Appropriation	1,796,000	1,796,000	1,656,000	1,656,000	1,796,000	1,796,000
Carry Forward	756,289	693,289	423,289	13,289	(396,711)	(666,711)
<b>Total Available Funding</b>	<b>2,552,289</b>	<b>2,489,289</b>	<b>2,079,289</b>	<b>1,669,289</b>	<b>1,399,289</b>	<b>1,129,289</b>
<b>Less:</b>						
Salary Expenses	1,859,000	2,066,000	2,066,000	2,066,000	2,066,000	2,066,000
<b>Total Remaining</b>	<b>693,289</b>	<b>423,289</b>	<b>13,289</b>	<b>(396,711)</b>	<b>(666,711)</b>	<b>(936,711)</b>
<b>MC Request</b>	<b>FY19</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>	<b>FY24</b>
County Appropriation	1,796,000	1,850,000	1,850,000	1,850,000	1,850,000	1,850,000
Carry Forward	756,289	693,289	477,289	261,289	45,289	(170,711)
<b>Total Available Funding</b>	<b>2,552,289</b>	<b>2,543,289</b>	<b>2,327,289</b>	<b>2,111,289</b>	<b>1,895,289</b>	<b>1,679,289</b>
<b>Less:</b>						
Salary Expenses	1,859,000	2,066,000	2,066,000	2,066,000	2,066,000	2,066,000
<b>Total Remaining</b>	<b>693,289</b>	<b>477,289</b>	<b>261,289</b>	<b>45,289</b>	<b>(170,711)</b>	<b>(386,711)</b>

**Modifications from non-recommended reductions.** For the College's non-recommended reductions to align with the Executive's reductions by funding source, the G.O. Bonds for this project will need to increase by \$127,000 in FY20, FY23, and FY24, and by \$197,000 in FY21 and FY22. Correspondingly, Current Revenue will need to decrease by the same amounts each year. The Council and Executive's practice is to fund this project 50/50 between G.O. Bonds and Current Revenue. However, in some years this ratio has been altered to meet funding needs.

**Council staff recommends approval of the College's request, to include the shifts in G.O. Bonds and Current Revenue funding in alignment with the non-recommended reductions.**

**9. Energy Conservation (PDFs ©28-31)**

FY19-24 CIP	Total 6						
	Years	FY19	FY20	FY21	FY22	FY23	FY24
<b>Current Approved</b>	<b>750</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>
<b>MC Request</b>	<b>1,625</b>	<b>125</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>
GO Bonds	1,529	109	284	284	284	284	284
Current Revenue	96	16	16	16	16	16	16
<b>CE Recommendation</b>	<b>1,550</b>	<b>125</b>	<b>225</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>
GO Bonds	954	109	109	184	184	184	184
Current Revenue	596	16	116	116	116	116	116
<b>Change: CE rec vs MC Request</b>	<b>(75)</b>	<b>-</b>	<b>(75)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
GO Bonds	(575)	-	(175)	(100)	(100)	(100)	(100)
Current Revenue	500	-	100	100	100	100	100

This project provides funding to continue development of a Collegewide energy management program, implement life-cycle cost effective energy conservation measures based upon energy audits, and review new building/renovation designs for compliance with the Building Energy Performance Standards as required by County law (Montgomery County Code, Chapter 8).

**College request.** The College requests an increase of \$875,000 in G.O. Bond funding for this project over the six-year CIP, an additional \$175,000 each year for FY20-FY24. The College states that the increase is needed to add a mechanical engineer position to implement the County’s energy benchmarking laws (\$100,000 per year), and additional funding is needed to ready buildings for benchmarking. The College already funds one position with this project. A draft position description for the new position is attached at ©37-38 and indicates that the position would have duties related to implementation and compliance with three pieces of County legislation: Bills 2-14, 6-14, and 8-14.

**Executive recommendation.** The Executive recommends two modifications to this project:

- Reduce G.O. Bond funding by \$75,000 in FY20 as offered by the College for affordability concerns.
- Substitutes \$100,000 in Current Revenue for G.O. Bonds in FY20-24 to ensure G.O. Bonds are spent on eligible uses.

**Council staff recommends approval of this project as amended by the Executive.**

**10. Germantown Student Services Center (PDFs ©32-34)**

FY19-24 CIP	Total 6							Beyond 6 Years
	Years	FY19	FY20	FY21	FY22	FY23	FY24	
<b>Current Approved</b>	<b>59,579</b>	-	-	-	6,052	3,102	22,847	27,578
<b>MC Request</b>	<b>61,962</b>	-	-	-	6,294	3,226	23,761	28,681
<b>CE Recommendation</b>	<b>61,962</b>	-	-	-	6,052	3,102	22,847	29,961
<b>Change: CE rec vs. MC request</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(242)</b>	<b>(124)</b>	<b>(914)</b>	<b>1,280</b>

This project provides for the design and construction of a new 95,000 square feet student services center as outlined in the Germantown Campus Facilities Master Plan. The approved FY19-24 CIP assumes split-funding of construction costs between FY24 and F25, resulting in the funding listed in the “Beyond 6 Years” column.



The College's request includes a 4.0% cost escalation factor increase for design, construction, and furniture/equipment. This results in a net increase for the entire project of \$1.3 million, split 50/50 between G.O. Bonds and State Aid. The Executive's recommendation shifts the eligible escalation increases into the Beyond 6-Year period due to affordability constraints. The College does not oppose this change.

**Council Staff recommends approval of the Executive's recommendation.**

**11. Takoma Park/Silver Spring Math and Science Center (PDF at ©35-36)**

FY19-24 CIP	Total 6	FY19	FY20	FY21	FY22	FY23	FY24
	Years						
<b>Current Approved</b>	<b>84,128</b>	4,582	12,708	27,506	27,332	12,000	-
<b>MC Request</b>	<b>87,142</b>	4,582	13,188	28,464	28,426	12,482	-
Change: MC request vs approved	3,014	-	480	958	1,094	482	-

This project provides for a new academic building supporting science programs and the Mathematics Department. The new math and science building will replace the Science South and Falcon Hall buildings. The College requests a 4.0% cost escalation factor increase for construction and furniture/equipment, resulting in a net increase of just over \$3 million split 50/50 between G.O. Bonds and State Aid. The Executive recommends funding this project as requested by the College.

**Council staff recommends approval of the College's request.**



OFFICE OF THE PRESIDENT

November 13, 2018

The Honorable Isiah Leggett  
Montgomery County Executive  
Executive Office Building  
101 Monroe Street  
Rockville, Maryland 20850  
and

The Honorable Hans Riemer, President  
Montgomery County Council  
Stella B. Werner Office Building  
100 Maryland Avenue  
Rockville, Maryland 20850

**Re: FY20 Capital Budget Request as Part of the FY19–24 Capital Improvements Program**

Dear Mr. Leggett and Mr. Riemer:

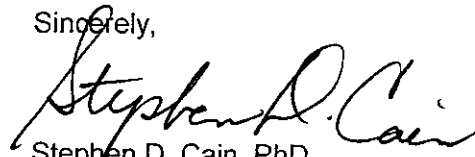
We respectfully transmit for your consideration the Montgomery College FY20 capital budget as part of the FY19–24 capital improvements program. Specifically, the budget totals \$98,607,000 to fund 25 projects on the three campuses of the College for the upcoming fiscal year.

The Catherine and Isiah Leggett Math and Science Building is included among the projects which require appropriations in FY20. This project is in the design phase and we now seek construction funds for this much needed building for the students at the Takoma Park/Silver Spring Campus. The planning, design, and construction project includes a request for funds to provide salary enhancements at the level approved in the FY19 operating budget. The College also requests funds to renovate the libraries on the three campuses which are outdated and inadequate to support the needs of our students.

The College appreciates your deep commitment to education and to the success of every student. You know well the importance of an affordable college education and the value of high-quality learning environments to help ensure a thriving Montgomery County—where every resident can fully reap the benefits of a postsecondary education and fuel a 21st century workforce.

Again, thank you for your support of the College, our mission, and our students. Best wishes in your next endeavors.

Sincerely,

  
Stephen D. Cain, PhD  
Acting President

Enclosure

①



**FY20 Capital Budget Approved**  
**Second Year of the Biennial Capital Budget**  
**as part of FY19 - FY24 CIP (in \$000s)**

	FY19 Adopted	FY20 Request
<b>Collegewide -- General</b>		
ADA Compliance	\$ 50	\$ 50
Capital Renewal	2,000	2,000
Collegewide Central Plant & Distribution Systems (New)	-	875
Collegewide Library Renovations	-	400
Collegewide Road/Parking Lot Repairs and Replacements	500	500
Collegewide Physical Education Renovations	1,500	2,000
Elevator Modernization	906	200
Energy Conservation	125	300
Facility Planning	270	270
Instructional Furniture & Equipment	270	270
Planned Life-Cycle Asset Replacement	4,000	4,000
Planning, Design & Construction	1,796	1,850
Roof Replacement	2,000	250
Site Improvements	700	700
<b>Total Collegewide -- General</b>	<b>\$ 14,117</b>	<b>\$ 13,665</b>

	FY19 Adopted	FY20 Request
<b>Collegewide -- Information Technology</b>		
Information Technology	5,877	8,500
Network Infrastructure and Server Operations	3,400	3,800
Network Operating Center/Datacenter	-	-
Student Learning Support Systems	1,000	1,400
<b>Total Collegewide -- Information Technology</b>	<b>\$ 10,277</b>	<b>\$ 13,700</b>

	FY19 Adopted	FY20 Request
<b>Germantown Campus Projects</b>		
Germantown Observation Dr. Reconstruction	-	-
Germantown SA Building Renovation and Add. Phase 1	267	-
Germantown Student Services Center	-	-
<b>Total Germantown</b>	<b>\$ 267</b>	<b>\$ -</b>

	FY19 Adopted	FY20 Request
<b>Rockville Campus Projects</b>		
Macklin Tower Alterations	-	-
Rockville Parking Garage	-	-
Rockville Student Services Center	9,475	-
<b>Total Rockville</b>	<b>\$ 9,475</b>	<b>\$ -</b>

	FY19 Adopted	FY20 Request
<b>Takoma Park/Silver Spring Campus Projects</b>		
TP/SS Math & Science Center	-	71,242
<b>Total Takoma Park/Silver Spring</b>	<b>\$ -</b>	<b>\$ 71,242</b>

<b>Grand Total</b>	<b>\$ 34,136</b>	<b>\$ 98,607</b>
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<sup>1</sup> The network infrastructure support systems project name has changed.

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<sup>2</sup> The network operating center project is merged to the network infrastructure and server operations project.

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

Montgomery College  
Higher Education

Project Number	Project Name	Total	Thru FY18	Rem FY18	6 Year Total	FY19	FY20	FY21	FY22	FY23	FY24	Beyond 6 Yrs	FY20 Approp
P936660	ADA Compliance: College	1,703	1,255	148	300	50	50	50	50	50	50	0	50
P096600	Capital Renewal: College	26,888	11,393	3,495	12,000	2,000	2,000	2,000	2,000	2,000	2,000	0	2,000
P662001	Collegewide Central Plant and Distribution Systems	4,875	0	0	4,875	0	875	1,000	1,000	1,000	1,000	0	875
P661901	Collegewide Library Renovations	19,270	0	0	19,270	0	400	4,500	890	8,775	4,705	0	400
P661602	Collegewide Physical Education Renovations	10,000	4,358	2,142	3,500	1,500	2,000	0	0	0	0	0	2,000
P661801	Collegewide Road/Parking Lot Repairs and Replacements	1,500	187	313	1,000	500	500	0	0	0	0	0	500
P056608	Elevator Modernization: College	5,880	3,486	488	1,906	906	200	200	200	200	200	0	200
P816611	Energy Conservation: College	6,593	4,922	46	1,625	125	300	300	300	300	300	0	300
P886686	Facility Planning: College	7,397	5,146	631	1,620	270	270	270	270	270	270	0	270
P096604	Germantown Observation Drive Reconstruction	1,000	764	186	50	50	0	0	0	0	0	0	0
P136600	Germantown Science & Applied Studies Phase 1-Renov	41,067	18,943	21,657	467	367	100	0	0	0	0	0	0
P076612	Germantown Student Services Center	61,962	0	0	33,281	0	0	0	6,294	3,226	23,761	28,681	0
P856509	Information Technology: College	176,324	120,053	5,994	50,277	7,777	8,500	8,500	8,500	8,500	8,500	0	8,500
P096601	Instructional Furniture and Equipment: College	4,260	2,365	275	1,620	270	270	270	270	270	270	0	270
P036603	Macklin Tower Alterations	10,604	6,082	2,522	2,000	2,000	0	0	0	0	0	0	0
P076619	Network Infrastructure and Server Operations	39,317	15,074	1,843	22,400	3,400	3,800	3,800	3,800	3,800	3,800	0	3,800
P076618	Network Operating Center/Datacenter	26,554	25,628	926	0	0	0	0	0	0	0	0	0
P926659	Planned Lifecycle Asset Replacement: College	76,033	46,568	5,465	24,000	4,000	4,000	4,000	4,000	4,000	4,000	0	4,000
P906605	Planning, Design & Construction	39,200	27,375	779	11,046	1,796	1,850	1,850	1,850	1,850	1,850	0	1,850
P136601	Rockville Parking Garage	29,700	27,643	1,857	200	100	100	0	0	0	0	0	0
P076604	Rockville Student Services Center	73,560	17,307	46,778	9,475	9,475	0	0	0	0	0	0	0
P876664	Roof Replacement: College	11,815	6,933	1,132	3,750	2,000	250	250	250	500	500	0	250
P076601	Site Improvements: College	20,834	16,221	413	4,200	700	700	700	700	700	700	0	700
P076617	Student Learning Support Systems	21,220	11,648	1,572	8,000	1,000	1,400	1,400	1,400	1,400	1,400	0	1,400
P076607	Takoma Park/Silver Spring Math & Science Center	88,642	128	1,372	87,142	4,582	13,188	28,464	28,426	12,482	0	0	71,242
<b>Grand Total</b>		<b>806,198</b>	<b>373,479</b>	<b>100,034</b>	<b>304,004</b>	<b>42,868</b>	<b>40,753</b>	<b>57,554</b>	<b>60,200</b>	<b>49,323</b>	<b>53,306</b>	<b>28,681</b>	<b>98,607</b>

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

**Montgomery College  
Higher Education**

Funding Source	Total	Thru FY18	Rem		FY19	FY20	FY21	FY22	FY23	FY24	Beyond 6 Yrs
			FY18	6 Year Total							
Current Revenue: General	224,008	123,122	11,630	89,256	13,561	15,111	15,181	15,181	15,111	15,111	0
Federal Aid	49	49	0	0	0	0	0	0	0	0	0
G.O. Bonds	351,872	142,357	49,753	145,422	20,926	16,023	28,141	27,659	26,358	26,315	14,340
Major Facilities Capital Projects Fund (College)	10,000	4,358	2,142	3,500	1,500	2,000	0	0	0	0	0
PAYGO	2,041	2,041	0	0	0	0	0	0	0	0	0
Recordation Tax	70,991	70,991	0	0	0	0	0	0	0	0	0
Revenue Authority	13,250	11,926	1,124	200	100	100	0	0	0	0	0
State Aid	132,487	18,448	35,072	64,626	6,281	7,019	14,232	17,360	7,854	11,880	14,341
Transportation Facilities Capital Projects Fund (College)	1,500	187	313	1,000	500	500	0	0	0	0	0
<b>Grand Total</b>	<b>806,198</b>	<b>373,479</b>	<b>100,034</b>	<b>304,004</b>	<b>42,868</b>	<b>40,753</b>	<b>57,554</b>	<b>60,200</b>	<b>49,323</b>	<b>53,306</b>	<b>28,681</b>

\* Closeout or Pending Closeout Projects

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While I was on the Council, I had concerns when the Bethesda Elementary Schools Solution project was approved because I felt the Board's capacity study was too narrow. I was pleased to learn that the Board now intends to look at elementary school capacity from both the Bethesda-Chevy Chase and Walter Johnson Clusters when considering how to address overcrowding in Bethesda, and I would ask that the project name be changed to the Bethesda Area Elementary Schools Solution project to reflect this broader analysis. I see this action as another indication that the Superintendent and Board are willing to think creatively about ways to address our capital needs, and I am happy to be their partner in this endeavor.

As previously mentioned, due to the operating budget challenges ahead, I have deferred making any recommendation on the Board's requests for increased current revenue. Those requests will be considered in March in the context of the operating budget.

### **Montgomery College**

I would like to acknowledge the College leadership for the collaborative approach they took in finding ways to fund their top priorities while also addressing the County's CIP revenue shortfalls. The College was very clear that including funding for State-allowed escalation increases for the Takoma Park/Silver Spring Math and Science Center project was their number one priority, and the College identified cost savings in the Rockville Garage, PLAR, and Germantown Observation Drive projects that helped fund the County's increased General Obligation (GO) bond costs and leveraged \$1.5 million in State funding.

In addition to supporting the requested Takoma Park/Silver Spring Math and Science Center cost increases, my recommended CIP also includes funding for the following:

- Increased support for the Collegewide Physical Education Renovations project (\$2.0 million) to renovate the Rockville Campus soccer facilities to Division 1 standards. The increase is funded by the Major Capital Facilities Fund;
- State-authorized cost escalation increases (\$2.4 million) for the Germantown Student Services Center which are reflected beyond the 6-year period due to affordability; and
- Increased State Aid (\$1,375,000) for a new Collegewide Central Plant & Distribution System project.

Due to significant revenue reductions, my CIP is not able to fund other College proposed project cost increases, and an additional affordability reduction of \$2.4 million spread across FY21 – FY24 has been assumed due to the previously mentioned revenue shortfalls.

Overall, FY19-24 funding for the College is \$279.6 million. This represents a \$2.3 million, or 0.8 percent, increase over the previously approved CIP. Non-County resources made this increase possible. State Aid is assumed to fund \$65.0 million of the FY19-24 College CIP.

**Recommended FY20 Capital Budget  
Montgomery College**

<b>Project Name (Project Number)</b>	<b>FY20 Appropriation</b>	<b>Cumulative Appropriation</b>	<b>Total Appropriation</b>
ADA Compliance: College (P936660)	50,000	1,453,000	1,503,000
Capital Renewal: College (P096600)	2,000,000	16,888,000	18,888,000
College Affordability Reconciliation (P661401)	(154,000)	0	(154,000)
Collegewide Central Plant and Distribution Systems (P662001)	375,000	0	375,000
Collegewide Physical Education Renovations (P661602)	2,000,000	8,000,000	10,000,000
Elevator Modernization: College (P056608)	200,000	4,880,000	5,080,000
Energy Conservation: College (P816611)	225,000	5,093,000	5,318,000
Facility Planning: College (P886686)	270,000	6,047,000	6,317,000
Information Technology: College (P856509)	8,500,000	133,824,000	142,324,000
Instructional Furniture and Equipment: College (P096601)	270,000	2,910,000	3,180,000
Network Infrastructure and Server Operations (P076619)	3,800,000	20,317,000	24,117,000
Planned Lifecycle Asset Replacement: College (P926659)	3,000,000	56,033,000	59,033,000
Planning, Design and Construction (P906605)	1,850,000	29,950,000	31,800,000
Roof Replacement: College (P876664)	250,000	10,065,000	10,315,000
Site Improvements: College (P076601)	700,000	17,334,000	18,034,000
Student Learning Support Systems (P076617)	1,400,000	14,220,000	15,620,000
Takoma Park/Silver Spring Math and Science Center (P076607)	71,242,000	10,276,000	81,518,000
<b>Total - Montgomery College</b>	<b>95,978,000</b>	<b>337,290,000</b>	<b>433,268,000</b>



# College Affordability Reconciliation (P661401)

**Category** Montgomery College **Date Last Modified** 03/11/19  
**SubCategory** Higher Education **Administering Agency** Montgomery College  
**Planning Area** Countywide **Status** Ongoing

Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
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### EXPENDITURE SCHEDULE (\$000s)

Other	(9,250)	-	-	(9,250)	-	(1,654)	(1,969)	(1,969)	(1,829)	(1,829)	-
<b>TOTAL EXPENDITURES</b>	<b>(9,250)</b>	-	-	<b>(9,250)</b>	-	<b>(1,654)</b>	<b>(1,969)</b>	<b>(1,969)</b>	<b>(1,829)</b>	<b>(1,829)</b>	-

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	(2,275)	-	-	(2,275)	-	(1,627)	(197)	(197)	(127)	(127)	-
G.O. Bonds	(6,975)	-	-	(6,975)	-	(27)	(1,772)	(1,772)	(1,702)	(1,702)	-
<b>TOTAL FUNDING SOURCES</b>	<b>(9,250)</b>	-	-	<b>(9,250)</b>	-	<b>(1,654)</b>	<b>(1,969)</b>	<b>(1,969)</b>	<b>(1,829)</b>	<b>(1,829)</b>	-

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

Appropriation FY 20 Approp. Request	(1,654)	Year First Appropriation
Cumulative Appropriation	-	Last FY's Cost Estimate
Expenditure / Encumbrances	-	
Unencumbered Balance	-	

### PROJECT DESCRIPTION

This project description form (PDF) is used to reconcile Montgomery College's capital budget requests with affordability and the County's bond capacity.

### COST CHANGE

This project reconciles the College's request with the County Executive's recommendation based on affordability considerations.

Impact tax revenue reductions were so severe that funding for any new projects or funding for cost increases had to be offset by reductions, with even further reductions required to balance the CIP. Severe operating budget constraints due to budget challenges in FY18, FY19, and FY20 made it necessary to make reductions in FY20 CIP Current Revenue to support the operating budget.

In light of these resource limitations, The College leadership identified a number of project savings and reductions so that their top priorities could be funded. As a result of the College's efforts, the County Executive's January CIP was able to support the requested escalation increases for the Takoma Park/Silver Spring Math & Science Center - the College's top priority.

Based on affordability, no other GO bond-funded project cost increases are recommended during the six year period, and an additional affordability G.O. Bond reduction of \$2.4 million spread across FY21 - FY24 has been assumed due to the previously mentioned revenue shortfalls. This affordability reduction takes into account the College's efforts to identify manageable savings beyond the value of the Math and Science Center cost increases.

When considering Current Revenue: General in the larger operating budget context, the County Executive determined that new increases were not affordable and an additional \$1.5 million reduction was necessary in FY20. Overall, FY19-24 funding for the College is \$278.1 million. This represents a \$0.8 million increase over the previously approved CIP. Non-County resources made this increase possible.



# EXECUTIVE RECOMMENDATION



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

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

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	155	99	6	50	50	-	-	-	-	-	-
Construction	845	88	307	450	450	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>1,000</b>	<b>187</b>	<b>313</b>	<b>500</b>	<b>500</b>	-	-	-	-	-	-

### FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Transportation Facilities Capital Projects Fund (College)	1,000	187	313	500	500	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>1,000</b>	<b>187</b>	<b>313</b>	<b>500</b>	<b>500</b>	-	-	-	-	-	-

### COMPARISON (\$000s)

	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years	FY 20 Approp.
Prior Year Approved	1,500	-	500	1,000	500	500	-	-	-	-	-	500
Agency Request	1,500	187	313	1,000	500	500	-	-	-	-	-	500
Recommended	1,000	187	313	500	500	-	-	-	-	-	-	-

CHANGE	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Prior Year Approved	-	-	-	-	-	-
Recommended vs Prior Year Approved	(500)	-33.3%	(500)	-50.0%	(500)	-100.0%
Recommended vs Agency Request	(500)	-33.3%	(500)	-50.0%	(500)	-100.0%

## RECOMMENDATION

Approve with Modifications. The FY20 appropriation and funding was deleted as requested by Montgomery College based on the capacity of the Transportation Facilities Capital Projects Fund.



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

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

## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	205	99	6	100	50	50	-	-	-	-	-
Construction	1,295	88	307	900	450	450	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>1,500</b>	<b>187</b>	<b>313</b>	<b>1,000</b>	<b>500</b>	<b>500</b>	-	-	-	-	-

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Transportation Facilities Capital Projects Fund (College)	1,500	187	313	1,000	500	500	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>1,500</b>	<b>187</b>	<b>313</b>	<b>1,000</b>	<b>500</b>	<b>500</b>	-	-	-	-	-

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

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

## PROJECT DESCRIPTION

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

## PROJECT JUSTIFICATION

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

## OTHER



# Collegewide Physical Education Renovations (P661602)

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

## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	710	575	135	-	-	-	-	-	-	-	-
Construction	9,290	3,783	2,007	3,500	1,500	2,000	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>10,000</b>	<b>4,358</b>	<b>2,142</b>	<b>3,500</b>	<b>1,500</b>	<b>2,000</b>	-	-	-	-	-

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Major Facilities Capital Projects Fund (College)	10,000	4,358	2,142	3,500	1,500	2,000	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>10,000</b>	<b>4,358</b>	<b>2,142</b>	<b>3,500</b>	<b>1,500</b>	<b>2,000</b>	-	-	-	-	-

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

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

## PROJECT DESCRIPTION

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

## COST CHANGE

Additional funding needed within this project.

## PROJECT JUSTIFICATION

The Germantown Physical Education building was constructed in 1980, and is 38 years old. The Rockville Physical Education Center was constructed in 1966, and is 52 years old. These buildings are experiencing a progressive deterioration of building systems and major

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pieces of building equipment. It has now reached the point that addressing the problem of a deteriorating building infrastructure is beyond the scope of a maintenance effort and that building repairs are no longer adequate or cost effective. Key components of the HVAC, mechanical and electrical systems are outdated, energy inefficient, and costly to continue to repair. The refurbishment and/or replacement of major building systems and related equipment will significantly extend the useful life of the building and correct safety and environmental problems. The College completed a building condition assessment in 2013 that provides a detailed evaluation of building deficiencies and initial cost estimates for major repairs, equipment replacements, and related improvements. Related studies include: Montgomery College 2020 Strategic Plan, Collegewide Master Plan 2013-2023 (2/16), and the Collegewide Facilities Condition Assessment (12/13).

## **OTHER**

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

## **COORDINATION**

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

# EXECUTIVE RECOMMENDATION



## Rockville Parking Garage (P136601)

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

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	2,800	2,584	216	-	-	-	-	-	-	-	-
Construction	25,840	25,337	503	-	-	-	-	-	-	-	-
Other	160	90	70	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>28,800</b>	<b>28,011</b>	<b>789</b>	-	-	-	-	-	-	-	-

### FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	15,550	15,541	9	-	-	-	-	-	-	-	-
Revenue Authority	13,250	12,470	780	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>28,800</b>	<b>28,011</b>	<b>789</b>	-	-	-	-	-	-	-	-

### COMPARISON (\$000s)

	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years	FY 20 Approp.
Prior Year Approved	29,700	27,953	1,547	200	100	100	-	-	-	-	-	-
Agency Request	29,700	27,643	1,857	200	100	100	-	-	-	-	-	-
Recommended	28,800	28,011	789	-	-	-	-	-	-	-	-	-

CHANGE	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Prior Year Approved	-	-	-	-	-	-
Recommended vs Prior Year Approved	(900)	-3.0%	(200)	-100.0%	-	-
Recommended vs Agency Request	(900)	-3.0%	(200)	-100.0%	-	-

## RECOMMENDATION

Approve with Technical Modifications. The unencumbered balance was deleted and \$100,000 in FY19 and FY20 was shifted to the Remaining FY18 column, as offered by Montgomery College to address affordability constraints. Montgomery College offered a



# Rockville Parking Garage (P136601)

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

## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	3,200	2,584	616	-	-	-	-	-	-	-	-
Construction	26,340	24,969	1,171	200	100	100	-	-	-	-	-
Other	160	90	70	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>29,700</b>	<b>27,643</b>	<b>1,857</b>	<b>200</b>	<b>100</b>	<b>100</b>	-	-	-	-	-

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	16,450	15,717	733	-	-	-	-	-	-	-	-
Revenue Authority	13,250	11,926	1,124	200	100	100	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>29,700</b>	<b>27,643</b>	<b>1,857</b>	<b>200</b>	<b>100</b>	<b>100</b>	-	-	-	-	-

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

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

## PROJECT DESCRIPTION

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

## ESTIMATED SCHEDULE

Project construction was completed in January 2017.

## PROJECT JUSTIFICATION

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

## **OTHER**

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

## **DISCLOSURES**

A pedestrian impact analysis has been completed for this project.

## **COORDINATION**

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

# EXECUTIVE RECOMMENDATION



## Germantown Observation Drive Reconstruction (P096604)

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

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	91	91	-	-	-	-	-	-	-	-	-
Site Improvements and Utilities	723	673	-	50	50	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>814</b>	<b>764</b>	<b>-</b>	<b>50</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

### FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	814	764	-	50	50	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>814</b>	<b>764</b>	<b>-</b>	<b>50</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

### COMPARISON (\$000s)

	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years	FY 20 Approp.
Prior Year Approved	1,000	810	140	50	50	-	-	-	-	-	-	-
Agency Request	1,000	764	186	50	50	-	-	-	-	-	-	-
Recommended	814	764	-	50	50	-	-	-	-	-	-	-

CHANGE	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Prior Year Approved	-	-	-	-	-	-
Recommended vs Prior Year Approved	(186)	-18.6%	-	-	-	-
Recommended vs Agency Request	(186)	-18.6%	-	-	-	-

## RECOMMENDATION

Approve with Technical Modifications.

The unencumbered balance was deleted as offered by Montgomery College to address affordability constraints. Montgomery College





# Germantown Observation Drive Reconstruction (P096604)

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

## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	200	91	109	-	-	-	-	-	-	-	-
Site Improvements and Utilities	800	673	77	50	50	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>1,000</b>	<b>764</b>	<b>186</b>	<b>50</b>	<b>50</b>	-	-	-	-	-	-

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	1,000	764	186	50	50	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>1,000</b>	<b>764</b>	<b>186</b>	<b>50</b>	<b>50</b>	-	-	-	-	-	-

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

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

## PROJECT DESCRIPTION

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

## PROJECT JUSTIFICATION

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

# EXECUTIVE RECOMMENDATION



## Collegewide Central Plant and Distribution Systems (P662001)

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

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	500	-	-	500	-	100	100	100	100	100	-
Construction	4,875	-	-	4,875	-	275	1,400	900	1,400	900	-
<b>TOTAL EXPENDITURES</b>	<b>5,375</b>	<b>-</b>	<b>-</b>	<b>5,375</b>	<b>-</b>	<b>375</b>	<b>1,500</b>	<b>1,000</b>	<b>1,500</b>	<b>1,000</b>	<b>-</b>

### FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	4,000	-	-	4,000	-	-	1,000	1,000	1,000	1,000	-
State Aid	1,375	-	-	1,375	-	375	500	-	500	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>5,375</b>	<b>-</b>	<b>-</b>	<b>5,375</b>	<b>-</b>	<b>375</b>	<b>1,500</b>	<b>1,000</b>	<b>1,500</b>	<b>1,000</b>	<b>-</b>

### COMPARISON (\$000s)

	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years	FY 20 Approp.
Prior Year Approved	-	-	-	-	-	-	-	-	-	-	-	-
Agency Request	4,875	-	-	4,875	-	875	1,000	1,000	1,000	1,000	-	875
Recommended	5,375	-	-	5,375	-	375	1,500	1,000	1,500	1,000	-	375

CHANGE	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Prior Year Approved	4,875	-	4,875	-	875	-
Recommended vs Prior Year Approved	5,375	-	5,375	-	375	-
Recommended vs Agency Request	500	10.3%	500	10.3%	(500)	-57.1%

## RECOMMENDATION

Approve with Modifications. FY20 was reduced by \$500,000 in G.O. Bonds as offered by Montgomery College. In addition, \$500,000 in State Aid was added in FY21 and FY23 due to the State's new Community College Facility Renewal Grant Program.



# Collegewide Central Plant and Distribution Systems

(P662001)

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

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	500	-	-	500	-	100	100	100	100	100	-
Construction	4,375	-	-	4,375	-	775	900	900	900	900	-
<b>TOTAL EXPENDITURES</b>	<b>4,875</b>	-	-	<b>4,875</b>	-	<b>875</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	-

### FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	4,500	-	-	4,500	-	500	1,000	1,000	1,000	1,000	-
State Aid	375	-	-	375	-	375	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>4,875</b>	-	-	<b>4,875</b>	-	<b>875</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	-

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

Appropriation FY 20 Approp. Request	875	Year First Appropriation
Cumulative Appropriation	-	Last FY's Cost Estimate
Expenditure / Encumbrances	-	
Unencumbered Balance	-	

## PROJECT DESCRIPTION

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

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## **PROJECT JUSTIFICATION**

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

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

## **OTHER**

FY20 Appropriation: \$875,000; \$500,000 (G.O. Bonds), and \$375,000 (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.

# EXECUTIVE RECOMMENDATION



## Collegewide Library Renovations (P661901)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	01/06/19
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Planning Stage

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	1,580	-	-	690	-	-	400	-	-	290	890
Construction	12,385	-	-	3,080	-	-	-	-	55	3,025	9,305
Other	5,305	-	-	1,390	-	-	-	-	-	1,390	3,915
<b>TOTAL EXPENDITURES</b>	<b>19,270</b>	-	-	<b>5,160</b>	-	-	<b>400</b>	-	<b>55</b>	<b>4,705</b>	<b>14,110</b>

### FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	19,270	-	-	5,160	-	-	400	-	55	4,705	14,110
<b>TOTAL FUNDING SOURCES</b>	<b>19,270</b>	-	-	<b>5,160</b>	-	-	<b>400</b>	-	<b>55</b>	<b>4,705</b>	<b>14,110</b>

### COMPARISON (\$000s)

	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years	FY 20 Approp.
Prior Year Approved	19,270	-	-	5,160	-	400	-	-	55	4,705	14,110	400
Agency Request	19,270	-	-	19,270	-	400	4,500	890	8,775	4,705	-	400
Recommended	19,270	-	-	5,160	-	-	400	-	55	4,705	14,110	-

CHANGE	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Prior Year Approved	-	-	14,110	273.4%	-	-
Recommended vs Prior Year Approved	-	-	-	-	(400)	-100.0%
Recommended vs Agency Request	-	-	(14,110)	-73.2%	(400)	-100.0%

## RECOMMENDATION

Approve with Modifications. Funding and expenditures reverted to previously approved levels as the requested acceleration did not meet the biennial CIP amendment criteria. Initial design was delayed from FY20 to FY21 as offered by Montgomery College to address affordability concerns.



# Collegewide Library Renovations (P661901)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	01/06/19
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Planning Stage

## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	1,580	-	-	1,580	-	400	-	890	-	290	-
Construction	15,800	-	-	15,800	-	-	4,000	-	8,775	3,025	-
Other	1,890	-	-	1,890	-	-	500	-	-	1,390	-
<b>TOTAL EXPENDITURES</b>	<b>19,270</b>	-	-	<b>19,270</b>	-	<b>400</b>	<b>4,500</b>	<b>890</b>	<b>8,775</b>	<b>4,705</b>	-

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	19,270	-	-	19,270	-	400	4,500	890	8,775	4,705	-
<b>TOTAL FUNDING SOURCES</b>	<b>19,270</b>	-	-	<b>19,270</b>	-	<b>400</b>	<b>4,500</b>	<b>890</b>	<b>8,775</b>	<b>4,705</b>	-

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

Appropriation FY 20 Approp. Request	400	Year First Appropriation
Cumulative Appropriation	-	Last FY's Cost Estimate
Expenditure / Encumbrances	-	19,270
Unencumbered Balance	-	

## PROJECT DESCRIPTION

This project provides funding for the renovation of the libraries on Montgomery College's three campuses, specifically the Germantown Humanities and Social Sciences Building, the Rockville Macklin Tower Building, and the Takoma Park/Silver Spring Resource Center. An architecture firm has developed conceptual designs for the three 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.

## ESTIMATED SCHEDULE

Design for the renovation of the Takoma Park/Silver Spring campus library is to begin in FY20. Construction will start in FY21 pending the availability of funds. Renovations of the other campus libraries is expected to follow.

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## **PROJECT JUSTIFICATION**

Both the Germantown Humanities and Social Sciences Building, and Takoma Park/Silver Spring Resource Center were constructed in 1978, and are 40 years old. The Rockville Macklin Tower Building was constructed in 1971 and is 47 years old. All three of these 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 Master Plan 2013-2023 (2/16), Libraries Planning Study (6/17), and Libraries Planning Study Germantown Addendum (9/17), and Montgomery College 2020 Strategic Plan.

## **FISCAL NOTE**

The College is able to fund design for renovation of the Takoma Park/Silver Spring library in FY20 by reallocating \$400,000 from the Rockville Student Services project (#P076604). Additional funds for construction of that library as well as design and construction of the Rockville and Germantown campus libraries will be appropriated as affordability allows. Currently, the capital budget programs \$55,000 in G.O. Bonds in FY23 and \$4,705,000 in G.O. Bonds in FY24. \$400,000 were reallocated to this project from the Rockville Student Services project (#P076604).

## **COORDINATION**

Macklin Tower Alterations (P036603)

# EXECUTIVE RECOMMENDATION



## Planned Lifecycle Asset Replacement: College (P926659)

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

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	8,313	4,452	1,461	2,400	400	400	400	400	400	400	-
Construction	66,410	41,822	3,988	20,600	3,600	2,600	3,600	3,600	3,600	3,600	-
Other	310	294	16	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>75,033</b>	<b>46,568</b>	<b>5,465</b>	<b>23,000</b>	<b>4,000</b>	<b>3,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>-</b>

### FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	73,093	44,628	5,465	23,000	4,000	3,000	4,000	4,000	4,000	4,000	-
Current Revenue: General	1,940	1,940	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>75,033</b>	<b>46,568</b>	<b>5,465</b>	<b>23,000</b>	<b>4,000</b>	<b>3,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>-</b>

### COMPARISON (\$000s)

	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years	FY 20 Approp.
Prior Year Approved	76,033	45,816	6,217	24,000	4,000	4,000	4,000	4,000	4,000	4,000	-	4,000
Agency Request	76,033	46,568	5,465	24,000	4,000	4,000	4,000	4,000	4,000	4,000	-	4,000
Recommended	75,033	46,568	5,465	23,000	4,000	3,000	4,000	4,000	4,000	4,000	-	3,000

CHANGE	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Prior Year Approved	-	-	-	-	-	-
Recommended vs Prior Year Approved	(1,000)	-1.3%	(1,000)	-4.2%	(1,000)	-25.0%
Recommended vs Agency Request	(1,000)	-1.3%	(1,000)	-4.2%	(1,000)	-25.0%

## RECOMMENDATION

Approve with Modifications. G.O. Bonds were reduced by \$1,000,000 in FY20 as offered by Montgomery College to address affordability constraints. Montgomery College offered a number of cost savings as a means to help fund the requested cost increases for





# Planned Lifecycle Asset Replacement: College (P926659)

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

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	8,313	4,452	1,461	2,400	400	400	400	400	400	400	-
Construction	67,410	41,822	3,988	21,600	3,600	3,600	3,600	3,600	3,600	3,600	-
Other	310	294	16	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>76,033</b>	<b>46,568</b>	<b>5,465</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)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	74,093	44,628	5,465	24,000	4,000	4,000	4,000	4,000	4,000	4,000	-
Current Revenue: General	1,940	1,940	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>76,033</b>	<b>46,568</b>	<b>5,465</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 20 Approp. Request	4,000	Year First Appropriation	FY93
Cumulative Appropriation	56,033	Last FY's Cost Estimate	76,033
Expenditure / Encumbrances	48,138		
Unencumbered Balance	7,895		

## PROJECT DESCRIPTION

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

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## **PROJECT JUSTIFICATION**

In November 2007 (December 2013 update), the College updated a comprehensive building system/equipment assessment, including site utilities and improvements, that identified deficiencies, prioritized replacements and upgrades, and provided the framework for implementing a systematic capital renewal program to complement on-going preventive maintenance efforts. The College continues to have a significant backlog of major building systems and equipment renovations and/or replacements due to the age of the Campuses and deferral of major equipment replacement. Key components of the HVAC, mechanical and electrical systems are outdated, energy inefficient, and costly to continue to repair. The renovation and/or replacement of major building systems, building components and equipment, and site improvements will significantly extend the useful life of the College's buildings and correct safety and environmental problems. The Collegewide Facilities Condition Assessment Update (12/13) identified a \$85 million deferred maintenance backlog for the three campuses. If additional financial resources are not directed at this problem, facilities will continue to deteriorate leading to higher cost renovations or building replacements. The Collegewide Facilities Condition Audit identified various life safety concerns on all three campuses. This project allows the College to address the concerns, replacing and/or installing appropriate life safety or fire code measures, and ensuring compliance with applicable life safety, fire, and building codes. Other relevant plans and studies include the Montgomery College 2020 Strategic Plan, Collegewide Master Plan 2013-2023 (2/16), and the County Council Report of the Infrastructure Maintenance Task Force (3/16).

## **OTHER**

FY19 Appropriation: \$4,000,000 (G.O. Bonds). FY20 Appropriation: \$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. P966665) (BOT Resol. #11-2291 - 1/21/97); \$7,000 to Planning, Design & Construction (CIP No. P906605) (BOT Resol. #01-153); \$91,175 to the Art Building Renovation Project (CIP No. P906608) (BOT Resol. #06-09-106 - 9/18/06); and \$250,000 to the Takoma Park Expansion Project (CIP No. P996662) (BOT Resol. #07-01-005 - 1/16/07). The following fund transfers have been made into this project: \$15,000 from Central Plant Distribution System (CIP No. P886676) (BOT Resol. #98-82 - 6/15/98), \$25,000 from Clean Air Act (CIP No. P956643) (BOT Resol. #98-82 - 6/15/98), \$24,000 from the Rockville Campus Science Center Project (CIP No. P036600) (BOT Resol. #15-03-025 - 03/23/15); and \$1,861,000 in G.O. Bonds from Science West Building Renovation (#P076622). Beginning in FY98, the portion of this project funded by County Current Revenues migrated to the College's Operating Budget. Reflecting the migration of this portion of the project, the College's Operating Budget includes funds for this effort. The following fund transfer has been made from this project: \$67,000 to the Commons Building Renovation Project (CIP No. P056601) (BOT Resolution #10-08-057, 07/31/10). In FY19, \$1,861,000 in G.O. Bonds were transferred from the Science West Building Renovation project (#P076622).

## **DISCLOSURES**

Expenditures will continue indefinitely.

## **COORDINATION**

This project is coordinated with Utility Master Plans and building renovations on the Rockville, Germantown, and Takoma Park/Silver Spring Campuses; and the following projects: Capital Renewal: College (CIP No. P096600), Elevator Modernization: College (CIP No. P046600), Energy Conservation: College (CIP No. P816611), Facility Planning: College (CIP No. P886686), Macklin Tower Alterations (CIP No. P036603), Roof Replacement: College (CIP No. P876664), Computer Science Alterations (CIP No. P046602).



# Planning, Design and Construction (P906605)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	01/12/19
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	30,057	20,955	779	8,323	1,353	1,394	1,394	1,394	1,394	1,394	-
Construction	9,143	6,420	-	2,723	443	456	456	456	456	456	-
<b>TOTAL EXPENDITURES</b>	<b>39,200</b>	<b>27,375</b>	<b>779</b>	<b>11,046</b>	<b>1,796</b>	<b>1,850</b>	<b>1,850</b>	<b>1,850</b>	<b>1,850</b>	<b>1,850</b>	-

### FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Current Revenue: General	20,245	14,613	389	5,243	828	855	925	925	855	855	-
G.O. Bonds	18,955	12,762	390	5,803	968	995	925	925	995	995	-
<b>TOTAL FUNDING SOURCES</b>	<b>39,200</b>	<b>27,375</b>	<b>779</b>	<b>11,046</b>	<b>1,796</b>	<b>1,850</b>	<b>1,850</b>	<b>1,850</b>	<b>1,850</b>	<b>1,850</b>	-

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

Impact Type	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24
<b>FULL TIME EQUIVALENT (FTE)</b>		<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>

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

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

## PROJECT DESCRIPTION

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

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Construction Trades Workers (2), who are responsible for completing small, in-house construction projects.

## **COST CHANGE**

Increase in FY20 is due to a 3% salary increase approved during the FY19 operating budget cycle.

## **PROJECT JUSTIFICATION**

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

## **OTHER**

FY19 Appropriation: \$1,796,000; \$968,000 (G.O. Bonds) and \$828,000 (Current Revenue: General). FY20 Appropriation: \$1,850,000; \$995,000 (G.O. Bonds) and \$855,000 (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.

# EXECUTIVE RECOMMENDATION



## Energy Conservation: College (P816611)

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

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	3,002	1,996	26	980	80	180	180	180	180	180	-
Site Improvements and Utilities	59	59	-	-	-	-	-	-	-	-	-
Construction	3,325	2,735	20	570	45	45	120	120	120	120	-
Other	132	132	-	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>6,518</b>	<b>4,922</b>	<b>46</b>	<b>1,550</b>	<b>125</b>	<b>225</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>-</b>

### FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	3,780	2,780	46	954	109	109	184	184	184	184	-
Current Revenue: General	2,638	2,042	-	596	16	116	116	116	116	116	-
State Aid	51	51	-	-	-	-	-	-	-	-	-
Federal Aid	49	49	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>6,518</b>	<b>4,922</b>	<b>46</b>	<b>1,550</b>	<b>125</b>	<b>225</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>-</b>

### COMPARISON (\$000s)

	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years	FY 20 Approp.
Prior Year Approved	5,718	4,816	152	750	125	125	125	125	125	125	-	125
Agency Request	6,593	4,922	46	1,625	125	300	300	300	300	300	-	300
Recommended	6,518	4,922	46	1,550	125	225	300	300	300	300	-	225

CHANGE	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Prior Year Approved	875	15.3%	875	116.7%	175	140.0%
Recommended vs Prior Year Approved	800	14.0%	800	106.7%	100	80.0%
Recommended vs Agency Request	(75)	-1.1%	(75)	-4.6%	(75)	-25.0%

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## **RECOMMENDATION**

Approve with Modifications.

The G.O. Bond increase was reduced by \$75,000 in FY20 as offered by Montgomery College for affordability concerns. In addition, \$100,000 in Current Revenue: General was substituted for G.O. bonds in each year FY20-24 to ensure G.O. Bonds are spent on eligible uses.

The County Executive is deferring action on Current Revenue increases until they can be considered in the context of the operating budget, as reflected in the College Affordability Reconciliation PDF (P661401).



# Energy Conservation: College (P816611)

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

## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	3,002	1,996	26	980	80	180	180	180	180	180	-
Site Improvements and Utilities	59	59	-	-	-	-	-	-	-	-	-
Construction	3,400	2,735	20	645	45	120	120	120	120	120	-
Other	132	132	-	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>6,593</b>	<b>4,922</b>	<b>46</b>	<b>1,625</b>	<b>125</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	-

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	4,355	2,780	46	1,529	109	284	284	284	284	284	-
Current Revenue: General	2,138	2,042	-	96	16	16	16	16	16	16	-
State Aid	51	51	-	-	-	-	-	-	-	-	-
Federal Aid	49	49	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>6,593</b>	<b>4,922</b>	<b>46</b>	<b>1,625</b>	<b>125</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	-

## OPERATING BUDGET IMPACT (\$000s)

Impact Type	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24
Maintenance	(2,820)	(420)	(440)	(460)	(480)	(500)	(520)
Energy	(7,410)	(1,110)	(1,160)	(1,210)	(1,260)	(1,310)	(1,360)
<b>NET IMPACT</b>	<b>(10,230)</b>	<b>(1,530)</b>	<b>(1,600)</b>	<b>(1,670)</b>	<b>(1,740)</b>	<b>(1,810)</b>	<b>(1,880)</b>
<b>FULL TIME EQUIVALENT (FTE)</b>		<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>

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

Appropriation FY 20 Approp. Request	300	Year First Appropriation	FY81
Cumulative Appropriation	5,093	Last FY's Cost Estimate	5,718
Expenditure / Encumbrances	5,012		
Unencumbered Balance	81		

## PROJECT DESCRIPTION

Energy Conservation: College

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

## **COST CHANGE**

Increase is due to the addition of a mechanical engineer to implement county benchmarking laws, and additional funding is needed to ready buildings for benchmarking.

## **PROJECT JUSTIFICATION**

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

## **OTHER**

FY19 Appropriation: Total - \$125,000; \$109,000 (G.O. Bonds), and \$16,000 (Current Revenue: General). FY20 Appropriation: Total - \$300,000; \$284,000 (G.O. Bonds), and \$16,000 (Current Revenue: General). The following fund transfers have been made from this project: \$21,420 to Central Plant Distribution System project (#P886676) (BOT Resolution #90-102, 6/18/90); \$70,000 to Fine Arts Renovation (#P906601) (BOT Resolution #94-114, 9/19/94), \$7,000 to Planning, Design & Construction project (#P906605) (BOT Resolution #01-153, 10/15/01), and \$200,000 to Germantown Bioscience Education Center Project (#P056603)(BOT Resol. #12-06-036, 6/11/12). Beginning in FY98, the portion of this project funded by County Current Revenues migrated to the College's Operating Budget. It is anticipated that migration of this portion of the project will promote a desirable consistency with County budgeting practices and encourage greater competition in an environment of scarce resources. Reflecting the migration of this portion of the project, the College's Operating Budget includes funds for this effort. New construction and building renovation projects under review during FY19-20 include planning for new buildings on the Rockville and Takoma Park/Silver Spring campuses. Campus utilities master plans are currently being updated to conform to the approved Facilities Master Plan 2013-2023 (2/16).

## **DISCLOSURES**

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

## **COORDINATION**

This project is coordinated with the scheduled building renovations, and the planned construction of new buildings, on the Rockville, Germantown, and Takoma Park/Silver Spring Campuses., ICEUM & ECAC, Montgomery College 2020 Strategic Plan, Facility Planning: College (CIP No. P886686), Planned Lifecycle Asset Replacement: College (CIP No. P926659), Roof Replacement: College (CIP No. P876664)



# EXECUTIVE RECOMMENDATION



## Germantown Student Services Center (P076612)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	01/03/19
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Germantown and Vicinity	<b>Status</b>	Planning Stage

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	9,154	-	-	9,154	-	-	-	6,052	3,102	-	-
Construction	47,888	-	-	22,847	-	-	-	-	-	22,847	25,041
Other	4,920	-	-	-	-	-	-	-	-	-	4,920
<b>TOTAL EXPENDITURES</b>	<b>61,962</b>	<b>-</b>	<b>-</b>	<b>32,001</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6,052</b>	<b>3,102</b>	<b>22,847</b>	<b>29,961</b>

### FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	30,981	-	-	16,001	-	-	-	3,026	1,551	11,424	14,980
State Aid	30,981	-	-	16,000	-	-	-	3,026	1,551	11,423	14,981
<b>TOTAL FUNDING SOURCES</b>	<b>61,962</b>	<b>-</b>	<b>-</b>	<b>32,001</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6,052</b>	<b>3,102</b>	<b>22,847</b>	<b>29,961</b>

### COMPARISON (\$000s)

	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years	FY 20 Approp.
Prior Year Approved	59,579	-	-	32,001	-	-	-	6,052	3,102	22,847	27,578	-
Agency Request	61,962	-	-	33,281	-	-	-	6,294	3,226	23,761	28,681	-
Recommended	61,962	-	-	32,001	-	-	-	6,052	3,102	22,847	29,961	-

CHANGE	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Prior Year Approved	2,383	4.0%	1,280	4.0%	-	-
Recommended vs Prior Year Approved	2,383	4.0%	-	-	-	-
Recommended vs Agency Request	-	-	(1,280)	-3.8%	-	-

## RECOMMENDATION

Approve with Modifications. State-eligible escalation was shifted into the Beyond 6-Year period due to affordability constraints.



# Germantown Student Services Center (P076612)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	01/03/19
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Germantown and Vicinity	<b>Status</b>	Planning Stage

## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	9,520	-	-	9,520	-	-	-	6,294	3,226	-	-
Construction	47,522	-	-	23,761	-	-	-	-	-	23,761	23,761
Other	4,920	-	-	-	-	-	-	-	-	-	4,920
<b>TOTAL EXPENDITURES</b>	<b>61,962</b>	-	-	<b>33,281</b>	-	-	-	<b>6,294</b>	<b>3,226</b>	<b>23,761</b>	<b>28,681</b>

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	30,981	-	-	16,641	-	-	-	3,147	1,613	11,881	14,340
State Aid	30,981	-	-	16,640	-	-	-	3,147	1,613	11,880	14,341
<b>TOTAL FUNDING SOURCES</b>	<b>61,962</b>	-	-	<b>33,281</b>	-	-	-	<b>6,294</b>	<b>3,226</b>	<b>23,761</b>	<b>28,681</b>

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

Appropriation FY 20 Approp. Request	-	Year First Appropriation	
Cumulative Appropriation	-	Last FY's Cost Estimate	59,579
Expenditure / Encumbrances	-		
Unencumbered Balance	-		

## PROJECT DESCRIPTION

This project provides funds for the design and construction of a new student services center (approximately 95,000 gross square feet) to support both study and student services as outlined in the Germantown Campus Facilities Master Plan, 2013-2023 (2/16). This project provides a comprehensive one-stop shop and brings together the bookstore and Mailroom from the Humanities and Social Sciences Building; Admissions, Student Life and Security from the Science and Applied Studies Building, creating much more space for study and student development. This building will also house the Provost's Office, as well as media and academic computing support functions.

## COST CHANGE

The budget assumes the split-funding of construction between FY24 and FY25 (in the Beyond Six-year Period column). The cost of this project has increased to match the State's allowable cost escalation factor of 4 percent.

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## **PROJECT JUSTIFICATION**

Supported in this facility are the media resources and academic computing functions, including the computer training lab. The advantage for students is the concentration of support resources in a single location. For the campus, space is made available in other buildings that will allow more growth in office and instructional space before another academic building is needed on campus. Under the application of State space guidelines, the enrollment growth on the Germantown campus has resulted in a significant space deficit. The Germantown campus has a fall 2017 space deficit of 74,805 NASF, and a 2027 projected space deficit of 75,519. Relevant studies include the Montgomery College 2020 Strategic Plan, and Collegewide Facilities Master Plan 2013-2023 (2/16).

## **OTHER**

Funding Sources: G.O. Bonds and State Aid. State share of project is based on anticipated eligible costs. Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement. The construction costs in the expenditure schedule (\$47,522,000) include: site improvement costs (\$9,216,000), building construction costs (\$38,306,000). The building construction cost per gross square foot equals \$403 (\$38,306,000/95,000).

## **DISCLOSURES**

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

## **COORDINATION**

Sciences and Applied Studies Building Alterations (CIP# P056605)



# Takoma Park/Silver Spring Math and Science Center

(P076607)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	01/12/19
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Silver Spring and Vicinity	<b>Status</b>	Planning Stage

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	10,276	128	1,372	8,776	4,582	4,194	-	-	-	-	-
Construction	71,242	-	-	71,242	-	8,994	28,464	21,302	12,482	-	-
Other	7,124	-	-	7,124	-	-	-	7,124	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>88,642</b>	<b>128</b>	<b>1,372</b>	<b>87,142</b>	<b>4,582</b>	<b>13,188</b>	<b>28,464</b>	<b>28,426</b>	<b>12,482</b>	-	-

### FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	44,321	64	686	43,571	2,291	6,594	14,232	14,213	6,241	-	-
State Aid	44,321	64	686	43,571	2,291	6,594	14,232	14,213	6,241	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>88,642</b>	<b>128</b>	<b>1,372</b>	<b>87,142</b>	<b>4,582</b>	<b>13,188</b>	<b>28,464</b>	<b>28,426</b>	<b>12,482</b>	-	-

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

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

## PROJECT DESCRIPTION

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

## COST CHANGE

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

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## **PROJECT JUSTIFICATION**

Under the application of the State space guidelines, the enrollment growth on the Takoma Park/Silver Spring Campus has resulted in a significant instructional space deficit. The Takoma Park/Silver Spring Campus has a Fall 2017 laboratory space deficit of 60,324 NASF and a total space deficit of 24,801 NASF. The 2027 projected laboratory space deficit is 58,137 NASF and the total space deficit is anticipated to be 101,488 NASF. The construction of the math & science building will address this deficit as well as replace Science South and Falcon Hall, which are in exceedingly poor condition (as identified in the Collegewide Facilities Condition Assessment, 12/13). Relevant studies include the Montgomery College 2020 Strategic Plan, Collegewide Facilities Condition Assessment Update (12/13), and the Collegewide Facilities Master Plan 2013-2023 (2/16).

## **OTHER**

FY19 Appropriation: 0 FY20 Appropriation: \$71,242,000; \$35,621,000 (G.O. Bonds), and \$35,621,000 (State Aid). Relocation costs and design fees above approximately 7% of estimated construction costs may not be eligible for State reimbursement. The construction costs in the expenditure schedule (\$71,242,000) include: site improvement costs (\$6,588,000), building construction costs (\$64,654,000). The building construction cost per gross square foot equals \$480 (\$64,654,000/134,600).

## **DISCLOSURES**

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

## **COORDINATION**

Facility Planning: College (CIP No. P886686)

Montgomery College  
Office of Facilities and Public Safety  
December 17, 2018

Subject: Energy Engineer Capital Position Description

General: The engineer shall have a bachelor's degree from an accredited university capable of providing engineering support to the College's Resource Conservation, Energy Management and Sustainability programs and capable of performing the following tasks:

1. **Bill 2-14: Environmental Sustainability – Buildings Benchmarking.** This bill requires that all College buildings be benchmarked annually by identifying and accurately accounting for all sources of energy consumed by that building. The College currently complies with this requirement but acknowledges that the energy accounting method is not accurate. The challenge for the College is that almost all of the College's 50 buildings are heated and cooled from central energy plants and therefore require College owned energy sub-meters to accurately measure their energy consumption. The sub-meters and their connection to the College's computerized building automation control system requires integration with the College's utility management system. The Engineer shall:
  - a. Assist the College's Utility Analyst in identifying College buildings that consume energy from central plants and require capital retrofit of sub-metering systems.
  - b. Independently or by managing professional engineering services teams, plan, design, supervise construction and commission the installation of energy sub-metering systems in all buildings connected to central plants.
  - c. Assist the College's Energy Manager ensuring that newly constructed or renovated building designs contain appropriate sub-metering systems.
  - d. Using accurate benchmarking data apply engineering analysis and mathematical models to prepare solicitations for capital energy retrofits.
2. **Bill 6-14: Environmental Sustainability – Office of Sustainability – Established.** This bill established the creation of an Office of Energy and Sustainability in the County Department of General Services(DGS) and an Office of Sustainability in the County Department of Environmental Protection(DEP) . DEP developed the benchmarking program as described in Item No. 1 and DGS has competitively solicited Energy Services Contracts(ESCO) in order to economically identify energy savings opportunities and complete energy capital retrofits. The College desires to enlist the services of the County ESCO providers. The Engineer shall:
  - a. Either independently or as directed by the College's Energy Manager plan, design, supervise the activities of the ESCO service providers.
  - b. Act as project manager for those energy capital retrofit projects identified by the ESCO providers.
3. **Bill 8-14: Buildings – County Buildings – Clean Energy Renewable Technology.** This bill requires that the College install at least 1kW of clean renewable energy technology per 1000 Gross Square Foot for new or extensively modified buildings that the County finances 30% of the cost of construction. The College acknowledges that although it has attempted to install clean renewables it is constrained by costs and geography of the campus and has not been able to fully meet the intent of this bill. In order to do so the College will, as part of its mandated master plans and utility master plans integrate a large amount of renewables in the form of

roof, ground and canopy parking arrays. This requires additional engineering staff for capital design, planning and supervision. The Engineer will:

- a. Assist the Energy Manager in supervising professional engineering service providers and coordinating with College planning and design staff in modifying the master plan and utility master plan to incorporate clean renewable technology to meet the requirements of the legislation.

End of Draft