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# Montgomery College

## AGENCY DESCRIPTION

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

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

The major sources of funding for Montgomery College are County support, State aid, tuition and fees charged for courses offered and for auxiliary enterprises, and continuing education. The College is chartered by the State of Maryland and functions as a part of the Maryland State community college system. Montgomery College has a policy of open admissions, which means that any person with the equivalent of a high school diploma, or the age of 18 or over, who can benefit from the programs and services of the College, is admitted as a student.

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

## PROGRAM DESCRIPTION AND OBJECTIVES

The FY15-20 CIP request consists of 27 projects. The section following this narrative shows only the project description forms (PDFs) for which the Executive recommends changes to the College request. Those PDFs are followed by project briefs that provide a description of the change and the Executive's rationale. The complete set of PDFs submitted by the College can be found on its web site at [www.montgomerycollege.edu/Departments/budget/index.html](http://www.montgomerycollege.edu/Departments/budget/index.html).

## PROGRAM CONTACTS

Contact Kristina Schramm of Montgomery College at 240.567.4265, 616 Firestone Dr, Silver Spring, MD 20905 or Jennifer Bryant of the Office of Management and Budget at 240.777.2761 for more information about this agency's capital budget.

## CAPITAL PROGRAM REVIEW

### Montgomery College Request

The College's FY15-20 capital program request totals \$450.6 million, an approximately \$96.3 million or 27.2 percent increase from the amended FY13-18 capital program of \$354.3 million. The College's plan includes constructing new buildings, renovating existing facilities, improving physical infrastructure, and maintaining the information technology network.

### Executive Recommendations

The Executive recommends a total FY15-20 six-year CIP of \$348.1 million. This represents a decrease of \$6.2 million or 1.75 percent compared to the amended FY13-18 capital program of \$354.3 million. This decrease is primarily due to the substantial completion of the Bioscience Education Center, the Science East Building Renovation, and other projects. As noted in the briefs following the College PDFs at the end of this chapter, the Executive's recommended budget funds all of the College's requested projects. Two projects have minor reductions and the Takoma Park/Silver Spring Math & Science Center and the Germantown Student Services Center have been staggered to make their significant construction costs affordable.

### Highlights

- Continue to address space deficits on the College's Rockville campus by maintaining construction funding for the Science West Building Renovation and the Rockville Student Services projects both of which will provide up-to-date centralized facilities and leverage significant State funding.
- Complete the Science East Building Renovation (Spring 2014) and the Rockville Parking Garage (Summer 2015).
- In the Fall of 2014 complete the Germantown Bioscience Education Center, fund design, and construction of the Germantown Science & Applied Studies Phase 1 Renovation project (completion in 2017), and continue to fund design of the Germantown Student Services Center.
- Provide funding for planning, design and the start of construction for the Takoma Park/Silver Spring Math & Science Center.
- Sustain College infrastructure projects such as Elevator Modernization, Planned Lifecycle Asset Replacement, Roof Replacement, and Site Improvements at the requested levels, to improve facilities and safety on all three campuses.
- Assume \$89.6 million in State aid, with \$11.2 million in FY15 for Montgomery College.

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## PROGRAM EXPENDITURES

The Executive's focus on educational excellence is evident by the Executive's recommended continued funding for Montgomery College. Since the College's \$96.3 million or 27.2 percent requested increase is not affordable without jeopardizing other important priorities, priority has been given to projects that add classroom and laboratory space, leverage State Aid, provide critical student support services, and maintain core infrastructure. Full or partial funding has been provided for all 27 projects requested by the College. Projects receiving a significant increase in funding include the Takoma Park/Silver Spring Math & Science Center and the Germantown Student Services Center. Two other projects, the Rockville Student Services Center and the Germantown Science & Applied Studies Phase 1 Renovation along with the two previously mention projects were also increased to fund the State's allowable construction cost escalation.

The Executive recommends full funding of infrastructure projects, such as ADA Compliance, Elevator Modernization, Capital Renewal: College, Energy Conservation: College, and Planned Lifecycle Asset Replacement: College.

## PROGRAM FUNDING

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

### County General Obligation Bonds

The Executive's recommendation provides approximately \$157.0 million of general obligation bonds for the College's capital program. This represents a decrease of \$10.2 million or 6.1 percent compared to the FY13-18 amended CIP of \$167.2 million.

### County Current Revenue and Recordation Tax

The recommended CIP includes approximately \$88.1 million in current revenue to support various College infrastructure projects, compared to \$83.5 million in the FY13-18 amended capital program.

The Executive recommends the use of about \$13.2 million of recordation taxes during FY15-20 to fund Information Technology and Network Operating Center. In addition, the Executive recommends approximately \$74.9 million in Current Revenue: General funding.

### State Aid

The Executive's recommended CIP for the College includes State aid of \$89.6 million for FY15-20, or approximately 25.7 percent of total program costs. The State of Maryland provides funding for the construction and renovation of State community colleges. The Annotated Code of Maryland says that a proposed capital project with a useful life of 15 years or more will be considered for funding, but projects that are primarily maintenance and repair will not be financed.

However, a renovation project such as a roof repair that exceeds \$100,000 may be considered for State funding.

State funding available for the community colleges in FY15 has not yet been determined. The Executive urges that the College continue to pursue State funding for all projects meeting the guidelines of the Maryland Higher Education Commission.

## ENROLLMENT

The total number of full-time equivalent students; 30 credit load hours of instruction, enrolled in College credit programs in FY12 was 22,271. This figure is projected to increase to 23,206 by FY18. After a number of years of dramatic enrollment growth, modest increases are expected through FY18. Multiple factors affect enrollment projections:

- The number and the College's "draw rate" of Montgomery County Public Schools' high school graduates, which in fall FY2013 is 25 percent;
- Distance education enrollments;
- Partnership with the Universities at Shady Grove and the growth of new degree programs;
- A small increase in the number of late start (after the 3<sup>rd</sup> week) classes;
- Innovative class scheduling in both distance learning and on campus, "Completion Agenda Initiatives" and facility expansion and renovations, as well as parking enhancements that allow increased student capacity.

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

## OPERATING BUDGET IMPACT

The enrollment forecast affects the College's operating budget because additional resources are required to maintain and operate any new facilities that are constructed or acquired. The College also would require funds to hire new faculty and staff to meet anticipated demand for courses and support services.

The College estimates that operating expenses of the new Bioscience Education Center on the Germantown campus; currently scheduled to open in 2014, will average about \$2 million per year in FY15-20. The new Science West Building Renovation Bioscience Education Center and the Rockville Parking Garage on the Rockville campus, currently scheduled to open in 2015, will average about \$110,000 and \$500,000 respectively, per year in FY15-20.

## STATUTORY AUTHORITY

Title 16, Section 402, Annotated Code of Maryland, gives the County Council the power to make appropriations for capital projects of the College. Projects are financed under terms and

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conditions approved by the Council. In accordance with State law and the Montgomery County Charter, the College prepares an annual capital budget and capital improvements program.

# EXECUTIVE RECOMMENDATION

## Germantown Student Services Center (P076612)

Project Category	Montgomery College	Date Last Modified	12/23/13
Project SubCategory	Higher Education	Required Adequate Public Facility	No
Project Administering Agency	Montgomery College (AAGE15)	Relocation Impact	None
Project Planning Area	Germantown	Status	Planning Stage

### EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
Planning, Design and Supervision	14,082	0	0	14,082	0	0	0	0	3,972	10,110	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	63,354	0	0	0	0	0	0	0	0	0	63,354
Other	12,280	0	0	0	0	0	0	0	0	0	12,280
<b>Total</b>	<b>89,716</b>	<b>0</b>	<b>0</b>	<b>14,082</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,972</b>	<b>10,110</b>	<b>75,634</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	45,717	0	0	7,041	0	0	0	0	1,986	5,055	38,676
State Aid	43,999	0	0	7,041	0	0	0	0	1,986	5,055	36,958
<b>Total</b>	<b>89,716</b>	<b>0</b>	<b>0</b>	<b>14,082</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,972</b>	<b>10,110</b>	<b>75,634</b>

### COMPARISON (\$000s)

	Total	Thru FY13	Est FY14	6YR Total	FY15	FY16	FY17	FY18	FY19	FY20	Bey 6Yr	Approp.
Current Approved	83,795	0	0	3,972	0	0	0	3,972	0	0	79,823	0
Agency Request	89,716	0	0	77,436	0	0	0	3,972	10,110	63,354	12,280	0
Recommended	89,716	0	0	14,082	0	0	0	0	3,972	10,110	75,634	0

Change	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Approved	5,921	7.1%	73,464	1,849.5%	0	0.0%
Recommended vs Approved	5,921	7.1%	10,110	254.5%	0	0.0%
Recommended vs Request	0	0.0%	(63,354)	(81.8%)	0	0.0%

### Recommendation

APPROVE WITH MODIFICATIONS

### Comments

The Executive recommends increasing six-year expenditures and funding by \$10,110 due to affordability. Design will be fully funded under the Executive's recommended schedule and construction could be programmed as early as FY21. Staggering the significant construction costs of this project and the Takoma Park/Silver Spring Math & Science Center will make it more feasible to fund both projects.

The FY15 appropriation recommendation is \$0 (G.O. Bonds) and \$0 (State)

The FY16 appropriation recommendation is \$0 (G.O. Bonds) and \$0 (State)

# Germantown Student Services Center (P076612)

Category: Montgomery College  
 Sub Category: Higher Education  
 Administering Agency: Montgomery College (AAGE15)  
 Planning Area: Germantown

Date Last Modified: 12/23/13  
 Required Adequate Public Facility: No  
 Relocation Impact: None  
 Status: Planning Stage

	Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	14,082	0	0	14,082	0	0	0	0	3,972	10,110	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	63,354	0	0	0	0	0	0	0	0	0	63,354
Other	12,280	0	0	0	0	0	0	0	0	0	12,280
<b>Total</b>	<b>89,716</b>	<b>0</b>	<b>0</b>	<b>14,082</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,972</b>	<b>10,110</b>	<b>75,634</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	45,717	0	0	7,041	0	0	0	0	1,986	5,055	38,676
State Aid	43,999	0	0	7,041	0	0	0	0	1,986	5,055	36,958
<b>Total</b>	<b>89,716</b>	<b>0</b>	<b>0</b>	<b>14,082</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,972</b>	<b>10,110</b>	<b>75,634</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 15	0
Appropriation Request Est.	FY 16	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 15	
First Cost Estimate		
Current Scope	FY 15	89,716
Last FY's Cost Estimate		83,795

## Description

This project provides funds for the design and construction of a new student resource center (approximately 120,400 gross square feet) to support both study and student services as outlined in the Germantown Campus Facilities Master Plan, 2006-2016 (9/10). This project provides a comprehensive one-stop shop and brings together the Cafeteria, 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. This building will be located at 20200 Observation Drive, Germantown, MD 20874.

## Estimated Schedule

The current estimated cost shown in the Beyond 6 Years column for other (furniture, fixtures, and equipment) is \$12,280,000 pending final design.

## 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 this project has increased to match the State's allowed cost escalation factor (4%).

## 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 2012 space deficit of 208,327 NASF, and a 2021 projected space deficit of 227,390. Relevant studies include the Collegewide Facilities Master Plan Update (1/13).

## 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 (\$63,354,000) include: site improvement costs (\$12,906,145), building construction costs (\$50,447,855). The building construction cost per gross square foot equals \$419 (\$50,447,855/120,400).

## Disclosures

A pedestrian impact analysis has been completed for this project.

Montgomery College (A15) asserts that this project conforms to the requirements 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)

## EXECUTIVE RECOMMENDATION

### Planning, Design & Construction (P906605)

Project Category	Montgomery College	Date Last Modified	12/23/13
Project SubCategory	Higher Education	Required Adequate Public Facility	No
Project Administering Agency	Montgomery College (AAGE15)	Relocation Impact	None
Project Planning Area	Countywide	Status	Ongoing

#### EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
Planning, Design and Supervision	22,284	14,899	1,055	6,330	1,055	1,055	1,055	1,055	1,055	1,055	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	7,440	4,934	358	2,148	358	358	358	358	358	358	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>29,724</b>	<b>19,833</b>	<b>1,413</b>	<b>8,478</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	<b>0</b>

#### FUNDING SCHEDULE (\$000s)

Current Revenue: General	16,134	11,192	706	4,236	706	706	706	706	706	706	0
G.O. Bonds	13,590	8,641	707	4,242	707	707	707	707	707	707	0
<b>Total</b>	<b>29,724</b>	<b>19,833</b>	<b>1,413</b>	<b>8,478</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	<b>1,413</b>	<b>0</b>

#### COMPARISON (\$000s)

	Total	Thru FY13	Est FY14	6YR Total	FY15	FY16	FY17	FY18	FY19	FY20	Bey 6Yr	Approp.
Current Approved	26,898	19,833	1,413	5,652	1,413	1,413	1,413	1,413	0	0	0	0
Agency Request	30,150	19,833	1,413	8,904	1,484	1,484	1,484	1,484	1,484	1,484	0	1,484
Recommended	29,724	19,833	1,413	8,478	1,413	1,413	1,413	1,413	1,413	1,413	0	1,413

Change	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Approved	3,252	12.1%	3,252	57.5%	1,484	0.0%
Recommended vs Approved	2,826	10.5%	2,826	50.0%	1,413	0.0%
Recommended vs Request	(426)	(1.4%)	(426)	(4.8%)	(71)	(4.8%)

#### Recommendation

APPROVE WITH MODIFICATIONS

#### Comments

The Executive recommends maintaining the current level of expenditures and funding of \$1.413 million for FY15-FY20 due to affordability.

FY15 appropriation recommendation is \$707,000 (G.O. Bonds) and \$706,000 (Current Revenue: General)

FY16 appropriation recommendation is \$707,000 (G.O. Bonds) and \$706,000 (Current Revenue: General)

## Planning, Design & Construction (P906605)

Category: Montgomery College  
 Sub Category: Higher Education  
 Administering Agency: Montgomery College (AAGE15)  
 Planning Area: Countywide

Date Last Modified: 10/2/13  
 Required Adequate Public Facility: No  
 Relocation Impact: None  
 Status: Ongoing

Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	22,602	14,899	1,055	6,648	1,108	1,108	1,108	1,108	1,108	1,108	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	7,548	4,934	358	2,256	376	376	376	376	376	376	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>30,150</b>	<b>19,833</b>	<b>1,413</b>	<b>8,904</b>	<b>1,484</b>	<b>1,484</b>	<b>1,484</b>	<b>1,484</b>	<b>1,484</b>	<b>1,484</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	16,350	11,192	706	4,452	742	742	742	742	742	742	0
G.O. Bonds	13,800	8,641	707	4,452	742	742	742	742	742	742	0
<b>Total</b>	<b>30,150</b>	<b>19,833</b>	<b>1,413</b>	<b>8,904</b>	<b>1,484</b>	<b>1,484</b>	<b>1,484</b>	<b>1,484</b>	<b>1,484</b>	<b>1,484</b>	<b>0</b>

Full Time Equivalent (FTE)				15.0	15.0	15.0	15.0	15.0	15.0	15.0	
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### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 15	1,484
Appropriation Request Est.	FY 16	1,484
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		21,246
Expenditure / Encumbrances		20,199
Unencumbered Balance		1,047

Date First Appropriation	FY 90	
First Cost Estimate		
Current Scope	FY 15	30,150
Last FY's Cost Estimate		26,898
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

#### Description

This project provides for fifteen full time positions in the Facilities Office. These positions plan, design, manage and implement the College's capital program which extends beyond the current six years. These fifteen positions are broken down into 3 categories: Project Management Staff; Design Staff; and Construction Staff. The positions that are categorized as Project Management Staff are Project Managers (8), 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 that are categorized as Design Staff are Architect (1), Engineer (1), and Architectural Drafter/Designer (1). The final category is Construction Staff, which consists of a Construction Services Supervisor (1), and Construction Trades Workers (2), who are responsible for completing small, in-house construction projects.

#### 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

FY2015 Appropriation: \$1,484,000; \$742,000 (G.O. Bonds) and \$742,000 (Current Revenue: General).

FY2016 Appropriation: \$1,484,000; \$742,000 (G.O. Bonds) and \$742,000 (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). 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

### Science West Building Renovation (P076622)

Project Category	Montgomery College	Date Last Modified	12/23/13
Project SubCategory	Higher Education	Required Adequate Public Facility	No
Project Administering Agency	Montgomery College (AAGE15)	Relocation Impact	None
Project Planning Area	Rockville	Status	Final Design Stage

#### EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
Planning, Design and Supervision	3,062	2,912	50	100	50	50	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	26,278	0	8,832	17,446	7,832	9,614	0	0	0	0	0
Other	5,675	0	0	5,675	1,000	4,675	0	0	0	0	0
<b>Total</b>	<b>35,015</b>	<b>2,912</b>	<b>8,882</b>	<b>23,221</b>	<b>8,882</b>	<b>14,339</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### FUNDING SCHEDULE (\$000s)

G.O. Bonds	18,746	1,897	4,466	12,383	4,466	7,917	0	0	0	0	0
State Aid	16,269	1,015	4,416	10,838	4,416	6,422	0	0	0	0	0
<b>Total</b>	<b>35,015</b>	<b>2,912</b>	<b>8,882</b>	<b>23,221</b>	<b>8,882</b>	<b>14,339</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### COMPARISON (\$000s)

	Total	Thru FY13	Est FY14	6YR Total	FY15	FY16	FY17	FY18	FY19	FY20	Bey 6Yr	Approp.
Current Approved	35,015	2,912	8,882	23,221	8,882	14,339	0	0	0	0	0	0
Agency Request	35,235	2,912	8,882	23,441	8,882	14,559	0	0	0	0	0	0
Recommended	35,015	2,912	8,882	23,221	8,882	14,339	0	0	0	0	0	0

Change	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Approved	220	0.6%	220	0.9%	0	0.0%
Recommended vs Approved	0	0.0%	0	0.0%	0	0.0%
Recommended vs Request	(220)	(0.6%)	(220)	(0.9%)	0	0.0%

**Recommendation**  
APPROVE WITH MODIFICATIONS

**Comments**

The Executive does not recommend funding the \$220,000 requested increase for cost escalation since construction will occur early in the six year period when cost escalation is not expected.

The FY15 appropriation recommendation is \$3,450,000 (G.O. Bonds) and \$2,005,000 (State)

The FY16 appropriation recommendation is \$0 (G.O. Bonds) and \$0 (State)

## Science West Building Renovation (P076622)

Category: Montgomery College  
 Sub Category: Higher Education  
 Administering Agency: Montgomery College (AAGE15)  
 Planning Area: Rockville

Date Last Modified: 10/2/13  
 Required Adequate Public Facility: No  
 Relocation Impact: None  
 Status: Final Design Stage

Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	3,062	2,912	50	100	50	50	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0
Construction	26,498	0	8,832	17,666	7,832	9,834	0	0	0	0
Other	5,675	0	0	5,675	1,000	4,675	0	0	0	0
<b>Total</b>	<b>35,235</b>	<b>2,912</b>	<b>8,882</b>	<b>23,441</b>	<b>8,882</b>	<b>14,559</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	18,885	1,897	4,466	12,522	4,466	8,056	0	0	0	0
State Aid	16,350	1,015	4,416	10,919	4,416	6,503	0	0	0	0
<b>Total</b>	<b>35,235</b>	<b>2,912</b>	<b>8,882</b>	<b>23,441</b>	<b>8,882</b>	<b>14,559</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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

Energy				59	0	11	11	12	12	13
Maintenance				485	0	97	97	97	97	97
<b>Net Impact</b>				<b>544</b>	<b>0</b>	<b>108</b>	<b>108</b>	<b>109</b>	<b>109</b>	<b>110</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 15	5,675
Appropriation Request Est.	FY 16	0
Supplemental Appropriation Request		0
Transfer		0

Date First Appropriation	FY 09
First Cost Estimate	
Current Scope	FY 15 35,235
Last FY's Cost Estimate	35,015

#### Description

This project (total 70,164 GSF) provides for the realignment/renovation of space in the Science West Building (41,988 GSF), and for the addition of a third floor (28,176 GSF) on the Rockville Campus in accordance with the College's Facilities Master Plan (1/04) and the building educational space specifications. The renovated building will house the Math department faculty offices and the Math Learning Center. The building renovation will include general building improvements, HVAC system replacement and related energy conservation measures, and building access improvements. The addition will add a third floor to the Science West building to provide additional classroom support to address instructional space deficits at the Rockville Campus. A building survey in FY91 determined that the building structure is fireproofed with a sprayed on asbestos product and asbestos thermal insulation is used on the mechanical systems. An asbestos removal is determined to be the most appropriate response under Federal and State asbestos guidelines. The removal project will include mechanical system reinsulation and fireproofing in conformance with the local fire code.

#### Estimated Schedule

Project construction is scheduled to be completed in the Summer of 2015

#### Cost Change

The cost of this project has increased to match the State's allowed cost escalation factor (4%).

#### Justification

Science West was constructed in 1971. The building no longer adequately supports the educational programs and support functions housed in it. The College will coordinate the renovation of Science West with the construction of the Rockville Science Center. The Chemistry and Biology departments will relocate to the new Rockville Science Center when it is completed in FY11. The existing mechanical system is inadequate and will be replaced along with the existing lighting to create better illumination levels and greater energy efficiency. The funds requested will also provide for the reassignment, realignment, and renovation of space, including furniture and equipment; energy conservation; and handicapped modification measures. Relevant studies include the Collegewide Facilities Condition Assessment (pending 11/13), a Collegewide Facilities Master Plan Update (1/13), and the Part 1 and 2 Program documentation submitted to the State for the Renovation/Addition to the Science East & Science West Buildings (5/06).

#### Other

FY2015 Appropriation: \$5,675,000 total; \$3,589,000 (G.O.Bonds), \$2,086,000 (State Aid). FY2016 Appropriation: 0. 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. Building renovation planning and design began in FY09 with a building asbestos removal and renovation scheduled to begin in FY14.

#### Disclosures

A pedestrian impact analysis has been completed for this project.

Montgomery College (A15) asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### Coordination

Rockville Science Center (CIP No. P036600), Science East Building Renovation (CIP No. P076623)

## EXECUTIVE RECOMMENDATION

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

Project Category	Montgomery College	Date Last Modified	12/23/13
Project SubCategory	Higher Education	Required Adequate Public Facility	No
Project Administering Agency	Montgomery College (AAGE15)	Relocation Impact	None
Project Planning Area	Takoma Park	Status	Planning Stage

#### EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
Planning, Design and Supervision	12,646	0	0	12,646	0	0	0	4,448	8,198	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	63,232	0	0	24,698	0	0	0	0	0	24,698	38,534
Other	12,149	0	0	0	0	0	0	0	0	0	12,149
<b>Total</b>	<b>88,027</b>	<b>0</b>	<b>0</b>	<b>37,344</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,448</b>	<b>8,198</b>	<b>24,698</b>	<b>50,683</b>

#### FUNDING SCHEDULE (\$000s)

G.O. Bonds	45,345	0	0	18,672	0	0	0	2,224	4,099	12,349	26,673
State Aid	42,682	0	0	18,672	0	0	0	2,224	4,099	12,349	24,010
<b>Total</b>	<b>88,027</b>	<b>0</b>	<b>0</b>	<b>37,344</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,448</b>	<b>8,198</b>	<b>24,698</b>	<b>50,683</b>

#### COMPARISON (\$000s)

	Total	Thru FY13	Est FY14	6YR Total	FY15	FY16	FY17	FY18	FY19	FY20	Bey 6Yr	Approp.
Current Approved	82,240	0	0	4,448	0	0	0	4,448	0	0	77,792	0
Agency Request	88,027	0	0	75,878	0	0	0	4,448	8,198	63,232	12,149	0
Recommended	88,027	0	0	37,344	0	0	0	4,448	8,198	24,698	50,683	0

Change	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Approved	5,787	7.0%	71,430	1,605.9%	0	0.0%
Recommended vs Approved	5,787	7.0%	32,896	739.6%	0	0.0%
Recommended vs Request	0	0.0%	(38,534)	(50.8%)	0	0.0%

#### Recommendation

APPROVE WITH MODIFICATIONS

#### Comments

The Executive recommends increasing six-year expenditures and funding by \$32.896 million due to affordability. This will allow construction to begin in FY20 and be completed in FY21.

The FY15 appropriation recommendation is \$0 (G.O. Bonds) and \$0 (State)

The FY16 appropriation recommendation is \$0 (G.O. Bonds) and \$0 (State)

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

Category: Montgomery College  
 Sub Category: Higher Education  
 Administering Agency: Montgomery College (AAGE15)  
 Planning Area: Takoma Park

Date Last Modified: 10/2/13  
 Required Adequate Public Facility: No  
 Relocation Impact: None  
 Status: Planning Stage

	Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	12,646	0	0	12,646	0	0	0	4,448	8,198	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	63,232	0	0	63,232	0	0	0	0	0	63,232	0
Other	12,149	0	0	0	0	0	0	0	0	0	12,149
<b>Total</b>	<b>88,027</b>	<b>0</b>	<b>0</b>	<b>75,878</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,448</b>	<b>8,198</b>	<b>63,232</b>	<b>12,149</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	45,345	0	0	37,939	0	0	0	2,224	4,099	31,616	7,406
State Aid	42,682	0	0	37,939	0	0	0	2,224	4,099	31,616	4,743
<b>Total</b>	<b>88,027</b>	<b>0</b>	<b>0</b>	<b>75,878</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,448</b>	<b>8,198</b>	<b>63,232</b>	<b>12,149</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 15	0
Appropriation Request Est.	FY 16	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	
First Cost Estimate	
Current Scope	FY 15 88,027
Last FY's Cost Estimate	82,240

### 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, and the Physical Sciences, and the Mathematics Department, as described in the Takoma Park Campus Facilities Master Plan, 2006-2016 (9/10). The science and math complex will be completed in two phases, beginning with the demolition and replacement of Science South, followed by the demolition and replacement of Science North.

### Cost Change

The current estimated cost, shown in the Beyond 6 Years column, for other (furniture, fixtures, and equipment) is \$12,149,000, pending completion of final design.

The cost of this project has increased to match the State's allowed cost escalation factor (4%).

### 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 2012 laboratory space deficit of 82,600 NASF and a total space deficit of 92,725 NASF. Even with the completion of the Takoma Park Campus Expansion Project and the Cafritz Foundation Art Center, the 2022 projected laboratory space deficit is 104,640 NASF and the total space deficit is anticipated to be 163,318 NASF. The construction of the Math & Science Center will address this deficit as well as replace Science North and Science South that are in exceedingly poor condition (as identified in the Collegewide Facilities Condition Assessment, 11/07). In addition, the replacement of Science North and Science South allows the campus to capitalize on site capacities with large buildings, given the restricted development opportunities available on the campus. Relevant studies include the Collegewide Facilities Condition Assessment Update (pending 11/13), and the Collegewide Facilities Master Plan Update (1/13).

### 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 (\$63,232,000) include: site improvement costs (\$4,095,100), building construction costs (\$59,136,900). The building construction cost per gross square foot equals \$439 (\$59,136,900/134,600).

### Disclosures

A pedestrian impact analysis has been completed for this project.

Montgomery College (A15) asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### Coordination

Facility Planning: College (CIP No. P886686)