


ED COMMITTEE #2
March 23, 2015
Worksession

MEMORANDUM

March 20, 2015

TO: Education Committee

FROM: Essie McGuire, Senior Legislative Analyst 

SUBJECT: **Worksession – FY16 Capital Budget and Amendments to the FY15-20 Capital Improvements Program, Montgomery College, *continued***

Today the Education Committee will continue its review of the FY16 Capital Budget and the Amendments to the FY15-20 Capital Improvements Program (CIP) for Montgomery College. The following individuals are expected to be present today for this worksession:

- Dr. DeRionne Pollard, President, Montgomery College
- Dr. Janet Wormack, Senior Vice President for Administrative and Fiscal Services, Montgomery College
- John McLean, Director of Capital Planning and Design, Montgomery College
- Kristina Schramm, Capital Budget Manager, Montgomery College
- Jennifer Bryant, Office of Management and Budget

The Education Committee met on February 23 to begin its review of the College's CIP. The Committee made some recommendations (summarized below) and requested that the College provide a response to the Executive's recommended unspecified reduction of \$4.3 million across the six-year period. **The purpose of this worksession is to complete the Committee's recommendations on the amended CIP for Montgomery College.**

SUMMARY OF COMMITTEE RECOMMENDATIONS

At its first worksession, the Committee made the following recommendations:

- Approved the requested new project, Collegewide Physical Education Renovation Project, which does not require County funds;
- Approved the requested escalation increase for the Germantown Science and Applied Studies Building Renovation; and
- Concurred with the Executive's recommendation not to fund the requested outyear escalation increases for the Germantown Student Services Center and the Takoma Park/Silver Spring Math and Science Center.

REQUESTED POSITIONS

The College requests two new positions with no additional County dollars associated in FY16. The County Executive did not recommend approval of either position. The College's requested PDFs and the Executive's recommended changes are on circles 16-19.

- **Energy Conservation project:** The College does not anticipate requesting additional County funds in the six year period but proposes to fund the position within the approved level of funding. The College states that this position is needed to address increased overall workload in this area as well as work associated with the environmental benchmarking legislation adopted by the Council last spring.
- **Planning, Design, and Construction:** While the College is not requesting new County dollars to support this position in FY16, it does anticipate requesting local funding for the position in the FY17-22 CIP and going forward. The College states that this position would add an architect that is needed to keep up with the overall workload and scope of work for the College's capital program and growing multi-campus infrastructure.

Committee discussion: At its previous worksession, the Committee requested additional information on both positions, and the College submitted extensive detail on the duties and rationale for both positions on circles 21-25. The College indicated that permanent positions are needed rather than relying on consultant work due to the ongoing nature of the work and the increased scope of work.

Council staff recommends approval of both positions. The justification provided by the College in terms of the increased scope of work in both projects is compelling, and the College notes that the additional architect was recommended in a 2005 organizational study. In addition, Council staff reiterates that no dollars are before the Council in this decision at this time. The College has stated its intent to absorb the Energy Conservation position within available resources for the six-year period. The College has also stated its intent to accommodate the Planning, Design, and Construction position within available resources for FY16. If the College decides to seek additional funding for this position in future years, the Council can make a funding decision at that time; however, the College may need to be prepared to continue the position without additional funding in the future if new resources are not available.

ROCKVILLE STUDENT SERVICES CENTER (PDFs on circles 9-10)

	6 yr total	FY15	FY16	FY17	FY18	FY19	FY20
Approved	63,848	3,459	26,856	33,533	0	0	0
College	66,188	3,459	0	27,930	34,799	0	0
CE	63,848	3,459	0	26,856	33,533	0	0
Difference: College-App	2,340	0	(26,856)	(5,603)	34,799	0	0
Difference: CE-College	(2,340)	0	0	(1,074)	(1,266)	0	0

The College's request delays this project schedule by one year, resulting in construction anticipated in FY17-18. The College also requested an escalation increase for the project, totaling \$2.34 million over the two years, split approximately \$1.17 million between the County and the State. The Executive assumed the one year project delay but did not approve the requested escalation increase, resulting in a GO Bond reduction of \$537,000 in FY17 and \$633,000 in FY18 from the College's request (the total reduction shown in the table above includes the related State Aid reduction).

This project was recently reduced to meet affordability constraints. In the FY13 review of the CIP, the project received a 10 percent reduction in construction costs, totaling \$5.4 million, and an additional reduction in information technology funding of \$1.8 million. The requested project escalation for FY17-18 would restore less than half of the previous construction cost reduction.

Committee discussion: The Committee indicated its interest in restoring the escalation for this project but deferred a final recommendation until today's discussion. The Committee discussed that restoring the requested escalation for this project is a high priority for the College, particularly given that the project was previously reduced and that the construction is to begin in FY17. The College also indicated that this project is necessary to respond to the significant increase in students at the Rockville campus above what the student services center was originally designed for.

Council staff recommends approval of the requested escalation for this project in FY17-18. Adding these funds will add \$1.17 million to the affordability gap between the Executive's recommendations and the College's request. However, in light of the previous reductions to this project and the fact that the County funds leverage an equal amount of State Aid, Council staff concurs with the College's priority for this funding request.

COLLEGE AFFORDABILITY RECONCILIATION (PDF on circle 20)

The table below summarizes the College's request and the Executive's recommendation relative to each other and the current approved level.

	6 yr total	FY15	FY16	FY17	FY18	FY19	FY20
Approved	348,857	76,826	76,755	75,303	27,297	32,019	60,657
College Request	358,819	76,826	54,692	70,471	62,274	32,387	62,169
Difference: College-App	9,962	0	(22,063)	(4,832)	34,977	368	1,512
CE Reductions from College	(8,698)	0	(2,000)	(1,474)	(3,444)	(368)	(1,512)
Difference: CE-Approved	1,264	0	(24,063)	(6,306)	31,533	0	0

As noted earlier, the County Executive assumed a six year total reduction of \$4.3 million from the College's request in addition to his project specific reductions. These reductions are assumed to be \$2 million in FY16; \$300,000 in FY17; and \$2 million in FY18. The Council must approve the CIP by

project, and so will have to reconcile these unspecified reductions by either taking the reductions in specific projects or by adding funds to the CIP to restore the Executive's reductions.

Major construction projects: It is very problematic to take reductions from projects already in construction. The College's CIP request has four major construction projects not yet in construction; these are discussed above in more detail. The only one with FY16 funding is the Germantown Science and Applied Studies Building. The Executive already reduced the College's requested escalation increase for the other three, so to take more reductions from these projects to meet his affordability reductions would take them below the currently approved level. It would also result in a corresponding reduction of State Aid.

Collegewide projects: The College has several level of effort projects that have bond funding and could be reduced to meet the unspecified reductions. These projects have total combined funding of approximately \$7.4 million in FY17, \$8.0 million in FY18, and \$8.9 million in FY19 (these totals are not exclusively GO Bonds and include some other resources). Several of these projects were reduced in recent years to meet affordability, including PLAR, Elevator Modernization, and Capital Renewal.

The table below presents the approved level of funding for the primary systemic projects:

	6 yr total	FY15	FY16	FY17	FY18	FY19	FY20
PLAR	20,100	2,700	2,700	2,700	4,000	4,000	4,000
Capital Renewal	12,106	2,453	1,653	2,000	2,000	2,000	2,000
Roof Replacement	1,442	390	0	302	250	250	250
Site Improvements	4,200	700	700	700	700	700	700
Elevator Mod	1,200	400	400	400	0	0	0
Energy Conservation	750	125	125	125	125	125	125
ADA Compliance	300	50	50	50	50	50	50
Facility Planning	1,620	270	270	270	270	270	270
Planning, Design, Constr	8,904	1,484	1,484	1,484	1,484	1,484	1,484

At its previous worksession, the Committee requested that the College provide a response to how it would prioritize its CIP projects relative to the Executive's reductions. As requested, the College provided a scenario of reductions that would meet the Executive's unspecified reductions. This is attached at circle 26 and allocates the reductions across the systemic projects of Capital Renewal, Roof Replacement, and Site Improvements. The reduction scenario presented would remove all funding from Capital Renewal in FY16-17; all funding from Roof Replacement in FY17-18; and 14% of the FY18 funding in Site Improvements.

The spreadsheet on circle 26 also details the specific projects that will be unaddressed if these reductions are taken. They include deferring renovations to several lab and classroom spaces, deferring addressing space deficits, postponing roof replacement at the Gudelsky Building, and postponing sidewalk repairs. ***The College reiterates that while it provides this information to be responsive to the Committee's request, the College supports its original budget submission and requests that the Committee restore the Executive's unspecified reductions.***

Council staff offers the following options for the Committee to consider relative to the unspecified reductions.

Option 1: Restore all funding and do not accept the unspecified reductions

The Committee could add \$4.3 million to the CIP and not accept any of the Executive's unspecified reductions. If the Committee also supports the requested escalation restoration for the Rockville Student Services Center, that would bring the total addition to the CIP to \$5.5 million. Council staff cautions that this additional amount would have to compete with other capital priorities to meet affordability constraints.

Option 2: Accept the Executive's unspecified reductions with a different scenario

The Committee could moderate the College's non-recommended reductions to the Capital Renewal project as follows:

- reduce half of the FY16-17 Capital Renewal funding (\$1.8 million across FY16-17)
- reduce \$647,000 from Roof Replacement and Site Improvements in FY17-18
- reduce half of the approved FY18-20 increase in PLAR, \$650,000 each year for a total of \$1.95 million

Together these actions would meet the \$4.3 million unspecified reduction. If the Committee supports the escalation increase for the Rockville Student Services Center project, it would be adding a net \$1.17 million to the CIP. If the Committee wishes to consider this option, it may be helpful to first discuss with College representatives the relative priority of PLAR over the Capital Renewal project.

Option 3: Accept half of the Executive's unspecified reductions

The Committee could restore \$2.2 million of the unspecified reductions and the Rockville Student Services Center for an increase of \$3.32 million to the CIP. The \$2.2 million in reductions could come from half of the FY16-17 Capital Renewal funding (1.8 million) and the Roof and Site Improvements projects in FY17-18 (\$647,000).



November 11, 2014

Office of the President

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

and

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

Re: FY16 Capital Budget Request
FY15-16 Biennial Capital Budget and FY15-20 Capital Improvements Program

Dear Mr. Leggett and Mr. Rice:

We respectfully transmit for your consideration the Montgomery College FY16 capital budget request as part of the FY15-16 biennial capital budget, and FY15-20 capital improvements program.

The Board of Trustees and I are grateful for your support of Montgomery College and the students we serve—the workforce of tomorrow. The College's vision statement calls upon us to act with a sense of urgency to meet the dynamic challenges facing our students and our community - to help move Montgomery County forward.

Montgomery College plays a vital role in this effort as we are the path to degree for many Montgomery County Public Schools (MCPS) graduates. Studies show that sixty percent of MCPS graduates who stay in state to attend college begin at Montgomery College. Our graduates contribute to a strong and vibrant local economy, for over the course of a working lifetime, graduates with associate's degrees earn \$639,000 more than someone with only a high school diploma.

Your community's college is an escalator for our students to reach the middle class, which helps to create a strong tax base for our community. And we know that the jobs of today, and those of the future, all require a post-secondary education, all of which makes our role for the future of our community even more important today. Your continued support will enable us to help keep our community strong and move Montgomery County forward, as was so eloquently called for in the recent state of the county address.

Nonetheless, we recognize fiscal challenges remain. As a result, our request is fiscally prudent despite aging facilities and continuing space challenges. Montgomery College has the largest space deficit of any community college in Maryland, totaling 727,151 net assignable square feet. The FY16 capital budget request totals \$54,862,000 for twenty-nine projects on the three campuses of the College.

Since the FY16 request is an “off-year” request, the county requires that new (or revised) capital project requests meet certain amendment criteria (such as major cost changes) in order to be considered. The following is a list of the FY16 project amendments. The College’s FY16 project amendments meet the county’s amendment criteria.

- Among the FY16 project amendments, the College defers the Rockville Student Services Center construction request of \$50,140,000 from FY16 to FY17.
- The next amendment creates a new collegewide Physical Education renovations project for the FY16 capital budget. Although this is a new project for FY16, no county funds will be requested as the College will fund this project from the major facilities capital projects fund.
- The College requests an appropriation of \$30,840,000 for the construction of the Germantown Science and Applied Studies Building renovation and addition (\$15,420,000 in county funding, and \$15,420,000 in state funding). This includes a four percent increase for state allowed cost escalation.
- Two positions are requested within the FY16 budget cycle, however additional county funding is not requested for these new positions in FY16 since there are sufficient funds within the corresponding projects.
 - The planning, design, and construction project request includes one new position for an architect, in response to increased workload associated with the implementation of the capital budget.
 - The energy conservation project request includes one new position for a utilities manager, which is in response to additional requirements recently implemented by the county.

During the past year, the College has made considerable progress on several projects. These projects are designed to help prepare the workforce of tomorrow; to advance the economic development goals of the county; and to provide 21st century learning environments that enable students to succeed whether in a workplace lab, or their next classroom. On the Rockville Campus, the Science East Building renovation was completed and opened for the spring 2014 semester. The renovation of the Science West building will complete the math/science complex on the Rockville campus which is the epicenter of the largest engineering program at a community college in the United States.

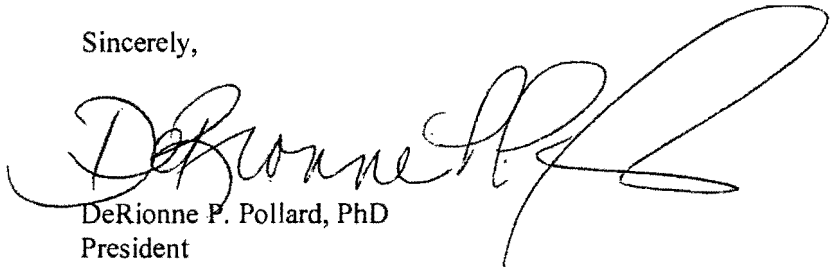
At the Germantown Campus, the Bioscience Education Center was completed and opened for fall 2014 semester, and design is underway for the follow-on renovation of the Germantown Science and Applied Studies Building. Both facilities will enhance our ability to help the biotech industry grow and will support the county’s efforts to attract high-skill, high-wage, cutting-edge industries. At the Takoma Park/Silver Spring Campus, construction of the Pavilion Three building renovation began during summer 2014, and is anticipated to open for fall 2015 classes. This renovation is part of the continued effort to fully revitalize this campus, which is one of the state’s oldest campuses, and will ensure Maryland’s most diverse campus has quality classrooms and labs. This project is funded from the Capital Renewal project.

The Honorable Isiah Leggett
The Honorable Craig Rice
Members of Montgomery County Council
November 11, 2014
Page 2

Montgomery County needs a strong community college with high-quality learning environments to help move our community forward, to help our all of our residents have access to the American Dream, and to leverage your efforts to attract and maintain high-skill, high-quality jobs in Montgomery County. Whether this county needs mechanics or engineers, Montgomery College can help Montgomery County move forward.

Again, thank you for your continued support of the College, our mission and our students.

Sincerely,

A handwritten signature in black ink, appearing to read "DeRionne P. Pollard". The signature is fluid and cursive, with a large, sweeping loop at the end.

DeRionne P. Pollard, PhD
President

Enclosure

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

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Montgomery College

Higher Education

	Total	Thru FY14	Rem FY14	6 Year Total	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs	Approp.
Rockville Campus Science Center (P036600)	* 69,390	69,341	49	0	0	0	0	0	0	0	0	0
Macklin Tower Alterations (P036603)	10,804	4,888	800	4,816	4,816	100	100	0	0	0	0	0
Computer Science Alterations (P046602)	1,359	926	142	291	100	191	0	0	0	0	0	0
Bioscience Education Center (P056603)	93,840	82,467	4,373	7,000	7,000	0	0	0	0	0	0	0
Elevator Modernization: College (P056608)	3,974	2,513	261	1,200	400	400	400	0	0	0	0	0
Site Improvements: College (P076601)	16,929	12,363	366	4,200	700	700	700	700	700	700	0	700
Rockville Student Services Center (P076604)	73,102	5,900	1,014	66,188	3,459	0	27,930	34,799	0	0	0	0
Takoma Park/Silver Spring Math & Science Center (P076607)	88,780	0	0	38,838	0	0	0	4,626	6,446	27,766	49,942	0
Germantown Student Services Center (P076612)	91,522	0	0	14,846	0	0	0	0	3,092	11,554	76,876	0
Student Learning Support Systems (P076617)	16,020	5,405	2,215	8,400	1,400	1,400	1,400	1,400	1,400	1,400	0	1,400
Network Operating Center (P076618)	30,554	16,831	1,723	12,000	2,000	2,000	2,000	2,000	2,000	2,000	0	2,000
Network Infrastructure and Support Systems (P076619)	21,967	8,960	2,207	10,800	1,800	1,800	1,800	1,800	1,800	1,800	0	1,800
Science West Building Renovation (P076622)	35,346	11,785	9	23,552	8,993	14,559	0	0	0	0	0	0
Science East Building Renovation (P076623)	32,356	27,591	2,765	2,000	2,000	0	0	0	0	0	0	0
Capital Renewal: College (P096600)	21,508	4,266	5,136	12,106	2,453	1,653	2,000	2,000	2,000	2,000	0	1,653
Instructional Furniture and Equipment: College (P096601)	3,180	1,517	43	1,620	270	270	270	270	270	270	0	270
Health Sciences Expansion (P096603)	* 4,188	3,914	284	0	0	0	0	0	0	0	0	0
Germantown Observation Drive Reconstruction (P096604)	1,000	0	600	400	400	0	0	0	0	0	0	0
Germantown Science & Technology Pk. Infrastructure (P096607)	3,382	3,182	0	200	200	0	0	0	0	0	0	0
Germantown Science & Applied Studies Phase 1-Renov (P136600)	40,389	2,622	397	37,370	1,510	15,420	20,440	0	0	0	0	30,840
Rockville Parking Garage (P136601)	29,700	1,756	1,444	26,500	26,500	0	0	0	0	0	0	0
Energy Conservation: College (P816611)	5,218	4,253	215	750	125	125	125	125	125	125	0	125
Information Technology: College (P856509)	149,997	93,872	6,749	49,376	8,006	7,370	8,500	8,500	8,500	8,500	0	7,370
Roof Replacement: College (P876664)	9,117	5,662	2,013	1,442	390	0	302	250	250	250	0	0
Facility Planning: College (P886666)	6,317	4,324	373	1,620	270	270	270	270	270	270	0	270
Planning, Design & Construction (P906605)	30,150	20,451	795	8,904	1,484	1,464	1,464	1,464	1,464	1,464	0	1,464
Planned Lifecycle Asset Replacement: College (P926659)	59,048	34,494	4,454	20,100	2,700	2,700	2,700	4,000	4,000	4,000	0	2,700
ADA Compliance: College (P936660)	1,503	1,155	48	300	50	50	50	50	50	50	0	50
Collegewide Physical Education Renovations (P661602)	4,200	0	0	4,200	0	4,200	0	0	0	0	0	4,200
Higher Education	954,650	430,538	38,475	358,819	76,826	54,692	70,471	62,274	32,387	62,169	126,816	54,862
Montgomery College	954,650	430,538	38,475	358,819	76,826	54,692	70,471	62,274	32,387	62,169	126,816	54,862
Total	954,650	430,538	38,475	358,819	76,826	54,692	70,471	62,274	32,387	62,169	126,816	54,862

* = Closeout or Pending Closeout

Page 2 of 2

**Montgomery College**

Proposed FY2016 Capital Budget

Second Year of the Biennial Capital Budget (\$000)

	FY15 BOT Adopted Capital Budget	FY16 Request
Collegewide -- General		
ADA Compliance	\$ 50	\$ 50
Capital Renewal	2,453	1,653
Collegewide Physical Education Renovations (New)	-	4,200
Elevator Modernization	-	-
Energy Conservation	125	125
Facility Planning	270	270
Instructional Furniture & Equipment	270	270
Outdoor Athletic Facilities	-	-
Planned Life-Cycle Asset Replacement	2,700	2,700
Planning, Design & Construction	1,484	1,484
Roof Replacement	390	-
Site Improvements	700	700
Total Collegewide -- General	\$ 8,442	\$ 11,452

	FY15 BOT Adopted Capital Budget	FY16 Request
Collegewide -- Information Technology		
Information Technology	8,006	7,370
Network Infrastructure and Support Systems	1,800	1,800
Network Operating Center	2,000	2,000
Student Learning Support Systems	1,400	1,400
Total Collegewide -- Information Technology	\$ 13,206	\$ 12,570

	FY15 BOT Adopted Capital Budget	FY16 Request
Germantown Campus Projects		
Germantown Bioscience Education Ctr	-	-
Germantown Child Care Center	-	-
Germantown Observation Dr. Reconstruction	-	-
Germantown SA Building Renovation and Add. Phase 1	-	30,840
Germantown Science and Technology Park Infrastructure	-	-
Germantown Student Services Center	-	-
Total Germantown	\$ -	\$ 30,840

	FY15 BOT Adopted Capital Budget	FY16 Request
Rockville Campus Projects		
Computer Science Alterations	-	-
Macklin Tower Alterations	-	-
Rockville Parking Garage	-	-
(50% County/50% Revenue Authority Bond)	26,500	-
Rockville Parking Lot and Tennis Court Relocation	-	-
Rockville Student Services Center	-	-
Science Center	-	-
Science East Renovation	-	-
Science West Renovation	5,786	-
Total Rockville	\$ 32,286	\$ -

	FY15 BOT Adopted Capital Budget	FY16 Request
Takoma Park/Silver Spring Campus Projects		
Health Sciences Expansion	(800)	-
TP/SS Math & Science Center	-	-
Total Takoma Park/Silver Spring	\$ (800)	\$ -

Grand Total	\$ 53,134	\$ 54,862
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Collegewide Physical Education Renovations (P661602)

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

Date Last Modified: 10/13/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Preliminary Design Stage

Total	Thru FY14	Rem 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	210	0	0	210	0	210	0	0	0	0
and	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	3,990	0	0	3,990	0	3,990	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0
Total	4,200	0	0	4,200	0	4,200	0	0	0	0

FUNDING SCHEDULE (\$000s)

Major Facilities Capital Projects Fund (MC only)	4,200	0	0	4,200	0	4,200	0	0	0	0
Total	4,200	0	0	4,200	0	4,200	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	4,200
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 16
First Cost Estimate	
Current Scope	FY 16
Last FY's Cost Estimate	0

Description

This project provides funding for the renovation of physical education buildings on the Montgomery College's three campuses, specifically the Germantown Physical Education building, the Rockville Physical Education Center, and Takoma Park/Silver Spring Falcon Hall building. 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.

Justification

The Germantown Physical Education building was constructed in 1980, and is 34 years old. The Rockville Physical Education Center was constructed in 1966, and is 48 years old. The Takoma Park/Silver Spring Falcon Hall building was constructed in 1978, and is 36 years. All three of these buildings are experiencing a progressive deterioration of building systems and major pieces of building equipment. It has now reached the point that addressing the problem of a deteriorating building infrastructure is beyond the scope of a maintenance effort and that building repairs are no longer adequate or cost effective. Key components of the HVAC, mechanical and electrical systems are outdated, energy inefficient, and costly to continue to repair. The refurbishment and/or replacement of major building systems and related equipment will significantly extend the useful life of the building and correct safety and environmental problems. The College completed a building condition assessment in 2013 that provides a detailed evaluation of building deficiencies and initial cost estimates for major repairs, equipment replacements, and related improvements. Related studies include: the Collegewide Master Plan Update (1/13), and the Collegewide Facilities Condition Assessment (12/13).

Other

FY16 Appropriation: \$4,200,000 (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).

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

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

Date Last Modified: 11/17/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Planning Stage

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	4,529	2,622	397	1,510	1,510	0	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	30,840	0	0	30,840	0	15,420	15,420	0	0	0	0
Other	5,020	0	0	5,020	0	0	5,020	0	0	0	0
Total	40,389	2,622	397	37,370	1,510	15,420	20,440	0	0	0	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	20,799	1,583	199	19,017	891	7,710	10,416	0	0	0	0
State Aid	19,590	1,039	198	18,353	619	7,710	10,024	0	0	0	0
Total	40,389	2,622	397	37,370	1,510	15,420	20,440	0	0	0	0

OPERATING BUDGET IMPACT (\$000s)											
Energy				315	0	0	0	100	105	110	
Maintenance				633	0	0	0	127	253	253	
Net Impact				948	0	0	0	227	358	363	
Full Time Equivalent (FTE)					0.0	0.0	0.0	4.0	4.0	4.0	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	30,840
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,529
Expenditure / Encumbrances		2,643
Unencumbered Balance		1,886

Date First Appropriation	FY 13
First Cost Estimate	
Current Scope	FY 16
Last FY's Cost Estimate	39,025

Description

This project provides for the realignment/renovation of space in the Science and Applied Studies building (65,015 GSF) on the Germantown Campus in accordance with the College's Facilities Master Plan (9/10) and the building educational space specifications. The renovated building will house open class labs, classrooms, offices and support space related to the physics, engineering, and mathematics departments. The Science and Applied Studies Renovation will occur in two phases. The first phase involves the renovation of the second floor, and a 29,330 GSF building addition, to support the Physics, Engineering, and Mathematics disciplines. There will be vacant space in the building when various departments move to the Bioscience Education Center, which makes it necessary to renovate this building to support new disciplines. The current building layout is inappropriate for the Physics, Engineering, and Mathematics departments, which makes it necessary to renovate laboratory spaces, classrooms, and faculty and staff offices. This building also has outdated laboratory equipment, which does not properly support the new functions, and technological changes in teaching methods. Programmatic changes are necessary to prepare this building for these uses. The second phase of this project will deal with the renovation of the first floor. Overall growth at the Germantown Campus in combination with the transition to lab instruction for mathematics and engineering expansion has created the demand for additional academic space. Renovation for these disciplines co-locates them near the Bioscience Education Center, creating good programmatic synergy on the campus. Renovation of this facility is contingent on completion of the Bioscience Education Center. Based on student interest, enrollment trends, existing and projected County and State workforce needs, and the teaching and learning strategies, including the final report of The Governor's Science Technology Engineering Mathematics Task Force, Investing in STEM to Secure Maryland's Future, the Germantown Campus will be well positioned to meet the needs of its students and the region. Design funding for this project was appropriated in FY13.

Estimated Schedule

Project construction is scheduled to be completed in the Winter of 2017

Cost Change

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 Germantown Campus has resulted in a significant instructional space deficit. The Germantown Campus has a 2022 projected instructional space deficit of 132,252 NASF and a total space deficit anticipated to be 227,390 NASF. In addition, this project will position the College to address workforce shortages in the Science, Technology, Engineering, and Mathematics fields. This project will impact local and Maryland workforce shortages through educating students to fill technical jobs. Relevant studies include the Collegewide Facilities Master Plan Update (1/13), the Renovation/Addition to Sciences & Applied Studies Building at Montgomery College Germantown Campus, Part 1, Part 2 (3/11), and the Collegewide Facilities Conditions Assessment Update (pending 11/13),

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

Other

FY15 Appropriation: \$0

FY16 Appropriation: \$30,840,000 Total; \$15,420,000 (G.O. Bonds), \$15,420,000 (State Aid).

Project expenditures assume that a portion of Information Technology (IT) equipment costs may be funded through the Information Technology (No. P856509) project.

The construction costs in the expenditure schedule (\$30,840,000) include: site improvement costs (\$2,390,000), building construction costs (\$28,450,000). The building construction cost per gross square foot equals \$438 (\$28,450,000/65,015).

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

EXECUTIVE RECOMMENDATION

Rockville Student Services Center (P076604)

Project Category	Montgomery College	Date Last Modified	12/28/12
Project SubCategory	Higher Education	Required Adequate Public Facility	No
Project Administering Agency	Montgomery College (AAGE15)	Relocation Impact	None
Project Planning Area	Rockville	Status	Planning Stage

EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY14	REM FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
Planning, Design and Supervision	10,369	5,900	1,010	3,459	3,459	0	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	50,144	0	4	50,140	0	0	26,856	23,284	0	0	0
Other	10,249	0	0	10,249	0	0	0	10,249	0	0	0
Total	70,762	5,900	1,014	63,848	3,459	0	26,856	33,533	0	0	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	36,513	2,950	622	32,941	1,787	0	13,428	17,726	0	0	0
State Aid	34,249	2,950	392	30,907	1,672	0	13,428	15,807	0	0	0
Total	70,762	5,900	1,014	63,848	3,459	0	26,856	33,533	0	0	0

COMPARISON (\$000s)

	Total	Thru FY14	REM FY14	6YR Total	FY15	FY16	FY17	FY18	FY19	FY20	Bey 6Yr	Approp.
Current Approved	70,762	0	6,914	63,848	3,459	26,856	33,533	0	0	0	0	50,140
Agency Request	73,102	5,900	1,014	66,188	3,459	0	27,930	34,799	0	0	0	0
Recommended	70,762	5,900	1,014	63,848	3,459	0	26,856	33,533	0	0	0	0

Change

	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Approved	2,340	3.3%	2,340	3.7%	(50,140)	(100.0%)
Recommended vs Approved	0	0.0%	0	0.0%	(50,140)	(100.0%)
Recommended vs Request	(2,340)	(3.2%)	(2,340)	(3.5%)	0	0.0%

Recommendation

APPROVE WITH MODIFICATIONS

Comments

The Executive recommends deferring construction escalation cost increases until the full CIP due to the timing of construction, which begins in FY17.

Rockville Student Services Center (P076604)

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

Date Last Modified 11/17/14
Required Adequate Public Facility No
Relocation Impact None
Status Planning Stage

Total	Thru FY14	Rem 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	10,369	5,900	1,010	3,459	3,459	0	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	52,150	0	4	52,146	0	0	27,930	24,216	0	0
Other	10,583	0	0	10,583	0	0	0	10,583	0	0
Total	73,102	5,900	1,014	66,188	3,459	0	27,930	34,799	0	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	37,683	2,950	622	34,111	1,787	0	13,965	18,359	0	0
State Aid	35,419	2,950	392	32,077	1,672	0	13,965	16,440	0	0
Total	73,102	5,900	1,014	66,188	3,459	0	27,930	34,799	0	0

OPERATING BUDGET IMPACT (\$000s)

Energy				861	0	0	0	0	420	441
Maintenance				1,563	0	0	0	0	521	1,042
Net Impact				2,424	0	0	0	0	941	1,483
Full Time Equivalent (FTE)					0.0	0.0	0.0	0.0	16.0	16.0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		10,373
Expenditure / Encumbrances		5,900
Unencumbered Balance		4,473

Date First Appropriation	FY 13
First Cost Estimate	
Current Scope	FY 16
Last FY's Cost Estimate	70,762

Description

This project provides funds for the construction of a new student services center (125,322 gross square feet) to support student administrative services as outlined in the Rockville Campus Facilities Master Plan, 2006-2016 (9/10). This project brings together student and administrative services to support the concept of one stop shopping services for students. Specifically, it will include the following campus related functions and activities: Admissions and Registration, Financial Aid, Cashier, Dean of Student Development, Career Transfer Center, Assessment, Counseling, Disabled Student Services (DSS), and Trio program plus support services such as a training facility, storage, resource library and waiting areas. In addition, this building will house the Office of Safety and Security and a new parking department. This project also includes funding for a central plant located in the Student Services Center and funding for a road extension/site improvements related to the building.

Estimated Schedule

Project construction is scheduled to be completed in the winter 2019.

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 of 4%.

Justification

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

Other

FY15 Appropriation: \$0. FY16 Appropriation: \$0. 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 (\$52,146,000) include: site improvement costs (\$9,275,000), building construction costs (\$42,871,000). The building construction cost per gross square foot equals \$342 (\$42,871,000/125,322).

Disclosures

A pedestrian impact analysis will be performed during design or is in progress.

(10)

Rockville Student Services Center (P076604)

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 #P886686)

EXECUTIVE RECOMMENDATION

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

Project Category	Montgomery College	Date Last Modified	9/9/12
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 FY14	REM 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	6,198	2,000	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	9,866	0	0	0	0	0	0	0	0	0	9,866
Total	85,744	0	0	37,344	0	0	0	4,448	6,198	26,698	48,400

FUNDING SCHEDULE (\$000s)

G.O. Bonds	43,062	0	0	18,672	0	0	0	2,224	3,099	13,349	24,390
State Aid	42,682	0	0	18,672	0	0	0	2,224	3,099	13,349	24,010
Total	85,744	0	0	37,344	0	0	0	4,448	6,198	26,698	48,400

COMPARISON (\$000s)

	Total	Thru FY14	REM FY14	6YR Total	FY15	FY16	FY17	FY18	FY19	FY20	Bey 6Yr	Approp.
Current Approved	88,027	0	0	37,344	0	0	0	4,448	6,198	26,698	50,883	0
Agency Request	88,780	0	0	38,838	0	0	0	4,626	6,446	27,766	49,942	0
Recommended	85,744	0	0	37,344	0	0	0	4,448	6,198	26,698	48,400	0

Change	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Approved	753	0.9%	1,494	4.0%	0	0.0%
Recommended vs Approved	(2,283)	(2.6%)	0	0.0%	0	0.0%
Recommended vs Request	(3,036)	(3.4%)	(1,494)	(3.8%)	0	0.0%

Recommendation
APPROVE WITH MODIFICATIONS

Comments

The Executive recommends deferring construction escalation cost increases until the full CIP due to the timing of construction, which begins in FY19-20, and the preliminary nature of the current cost estimates.

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: 8/25/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Planning Stage

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	13,152	0	0	13,152	0	0	0	4,626	6,446	2,080	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	65,762	0	0	25,686	0	0	0	0	0	25,686	40,076
Other	9,866	0	0	0	0	0	0	0	0	0	9,866
Total	88,780	0	0	38,838	0	0	0	4,626	6,446	27,766	49,942

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	44,390	0	0	19,419	0	0	0	2,313	3,223	13,883	24,971
State Aid	44,390	0	0	19,419	0	0	0	2,313	3,223	13,883	24,971
Total	88,780	0	0	38,838	0	0	0	4,626	6,446	27,766	49,942

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	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 16 88,780
Last FY's Cost Estimate	88,027

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 \$9,866,000, 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 (\$65,762,000) include: site improvement costs (\$4,529,000), building construction costs (\$61,503,000). The building construction cost per gross square foot equals \$456 (\$61,503,000/134,600).

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)

EXECUTIVE RECOMMENDATION

Germantown Student Services Center (P076612)

Project Category	Montgomery College	Date Last Modified	9/9/12
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 FY14	REM 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	2,972	11,110	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	10,986	0	0	0	0	0	0	0	0	0	10,986
Total	88,422	0	0	14,082	0	0	0	0	2,972	11,110	74,340

FUNDING SCHEDULE (\$000s)

G.O. Bonds	44,423	0	0	7,041	0	0	0	0	1,486	5,555	37,382
State Aid	43,999	0	0	7,041	0	0	0	0	1,486	5,555	36,958
Total	88,422	0	0	14,082	0	0	0	0	2,972	11,110	74,340

COMPARISON (\$000s)

	Total	Thru FY14	REM FY14	6YR Total	FY15	FY16	FY17	FY18	FY19	FY20	Bey 6Yr	Approp.
Current Approved	89,716	0	0	14,082	0	0	0	0	2,972	11,110	75,634	0
Agency Request	91,522	0	0	14,646	0	0	0	0	3,082	11,554	76,876	0
Recommended	88,422	0	0	14,082	0	0	0	0	2,972	11,110	74,340	0

Change

	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Approved	1,806	2.0%	564	4.0%	0	0.0%
Recommended vs Approved	(1,294)	(1.4%)	0	0.0%	0	0.0%
Recommended vs Request	(3,100)	(3.4%)	(564)	(3.9%)	0	0.0%

Recommendation

APPROVE WITH MODIFICATIONS

Comments

The Executive recommends deferring construction escalation cost increases until the full CIP due to the timing of construction, which begins in FY19-20, and the preliminary nature of the current cost estimates.

Germantown Student Services Center (P076612)

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

Date Last Modified: 8/25/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Planning Stage

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	14,646	0	0	14,646	0	0	0	0	3,092	11,554	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	65,890	0	0	0	0	0	0	0	0	0	65,890
Other	10,986	0	0	0	0	0	0	0	0	0	10,986
Total	91,522	0	0	14,646	0	0	0	0	3,092	11,554	76,876

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	45,761	0	0	7,323	0	0	0	0	1,546	5,777	38,438
State Aid	45,761	0	0	7,323	0	0	0	0	1,546	5,777	38,438
Total	91,522	0	0	14,646	0	0	0	0	3,092	11,554	76,876

APPROPRIATION AND EXPENDITURE DATA (000s)

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

Date First Appropriation	FY 16
First Cost Estimate	
Current Scope	FY 16 91,522
Last FY's Cost Estimate	89,716

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 \$10,986,000 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 (\$65,890,000) include: site improvement costs (\$13,424,000), building construction costs (\$52,466,000). The building construction cost per gross square foot equals \$435 (\$52,466,000/120,400).

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
 Project SubCategory: Higher Education
 Project Administering Agency: Montgomery College (AAGE15)
 Project Planning Area: Countywide

Date Last Modified: 9/21/12
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY14	REM FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
Planning, Design and Supervision	22,602	15,378	576	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	5,073	219	2,256	376	376	376	376	376	376	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	30,150	20,451	795	8,904	1,484	1,484	1,484	1,484	1,484	1,484	0

FUNDING SCHEDULE (\$000s)

Current Revenue: General	16,350	11,501	397	4,452	742	742	742	742	742	742	0
G.O. Bonds	13,800	8,950	398	4,452	742	742	742	742	742	742	0
Total	30,150	20,451	795	8,904	1,484	1,484	1,484	1,484	1,484	1,484	0

COMPARISON (\$000s)

	Total	Thru FY14	REM FY14	6YR Total	FY15	FY16	FY17	FY18	FY19	FY20	Bey 6Yr	Approp.
Current Approved	30,150	19,833	1,413	8,904	1,484	1,484	1,484	1,484	1,484	1,484	0	1,484
Agency Request	30,150	20,451	795	8,904	1,484	1,484	1,484	1,484	1,484	1,484	0	1,484
Recommended	30,150	20,451	795	8,904	1,484	1,484	1,484	1,484	1,484	1,484	0	1,484

Change	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Approved	0	0.0%	0	0.0%	0	0.0%
Recommended vs Approved	0	0.0%	0	0.0%	0	0.0%
Recommended vs Request	0	0.0%	0	0.0%	0	0.0%

Recommendation

APPROVE WITH MODIFICATIONS

Comments

The Executive recommends deferring inclusion of an additional FTE until full staffing costs and CIP expansion needs are known.

Planning, Design & Construction (P906605)

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

Date Last Modified: 8/25/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	22,602	15,378	576	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	5,073	219	2,256	376	376	376	376	376	376	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	30,150	20,451	795	8,904	1,484	1,484	1,484	1,484	1,484	1,484	0

FUNDING SCHEDULE (\$000s)											
Current Revenue: General	16,350	11,501	397	4,452	742	742	742	742	742	742	0
G.O. Bonds	13,800	8,950	398	4,452	742	742	742	742	742	742	0
Total	30,150	20,451	795	8,904	1,484	1,484	1,484	1,484	1,484	1,484	0
Full Time Equivalent (FTE)					15.0	16.0	16.0	16.0	16.0	16.0	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	1,484
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		22,730
Expenditure / Encumbrances		21,650
Unencumbered Balance		1,080

Date First Appropriation	FY 90
First Cost Estimate	
Current Scope	FY 15
Last FY's Cost Estimate	30,150
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. The FY16 request includes one new position for an architect, which is in response to increased workload associated with the implementation of the capital budget. Since there are sufficient funds within the request, additional County funds are not requested for this position.

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

Energy Conservation: College (P816611)

Project Category	Montgomery College	Date Last Modified	9/21/12
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 FY14	REM FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
Planning, Design and Supervision	1,907	1,560	197	150	25	25	25	25	25	25	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	59	59	0	0	0	0	0	0	0	0	0
Construction	3,120	2,503	17	600	100	100	100	100	100	100	0
Other	132	131	1	0	0	0	0	0	0	0	0
Total	5,218	4,253	215	750	125	125	125	125	125	125	0

FUNDING SCHEDULE (\$000s)

Current Revenue: General	1,994	1,994	0	0	0	0	0	0	0	0	0
Federal Aid	49	49	0	0	0	0	0	0	0	0	0
G.O. Bonds	3,124	2,159	215	750	125	125	125	125	125	125	0
State Aid	51	51	0	0	0	0	0	0	0	0	0
Total	5,218	4,253	215	750	125	125	125	125	125	125	0

COMPARISON (\$000s)

	Total	Thru FY14	REM FY14	6YR Total	FY15	FY16	FY17	FY18	FY19	FY20	Bey 6Yr	Approp.
Current Approved	5,218	4,256	212	750	125	125	125	125	125	125	0	125
Agency Request	5,218	4,253	215	750	125	125	125	125	125	125	0	125
Recommended	5,218	4,253	215	750	125	125	125	125	125	125	0	125

Change

	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Approved	0	0.0%	0	0.0%	0	0.0%
Recommended vs Approved	0	0.0%	0	0.0%	0	0.0%
Recommended vs Request	0	0.0%	0	0.0%	0	0.0%

Recommendation

APPROVE WITH MODIFICATIONS

Comments

The Executive recommends deferring inclusion of an FTE until the fiscal capacity of Current Revenue is known, which is a more appropriate funding source for benchmarking work.

Energy Conservation: College (P816611)

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

Date Last Modified: 8/25/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	1,907	1,560	197	150	25	25	25	25	25	25	0
and	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	59	59	0	0	0	0	0	0	0	0	0
Construction	3,120	2,503	17	600	100	100	100	100	100	100	0
Other	132	131	1	0	0	0	0	0	0	0	0
Total	5,218	4,253	215	750	125	125	125	125	125	125	0

FUNDING SCHEDULE (\$000s)											
Current Revenue: General	1,994	1,994	0	0	0	0	0	0	0	0	0
Federal Aid	49	49	0	0	0	0	0	0	0	0	0
S.O. Bonds	3,124	2,159	215	750	125	125	125	125	125	125	0
State Aid	51	51	0	0	0	0	0	0	0	0	0
Total	5,218	4,253	215	750	125	125	125	125	125	125	0

OPERATING BUDGET IMPACT (\$000s)											
Energy				-6,210	-910	-960	-1,010	-1,060	-1,110	-1,160	
Maintenance				-2,340	-340	-360	-380	-400	-420	-440	
Net Impact				-8,550	-1,250	-1,320	-1,390	-1,460	-1,530	-1,600	
Full Time Equivalent (FTE)					0.0	1.0	1.0	1.0	1.0	1.0	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	125
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,593
Expenditure / Encumbrances		4,525
Unencumbered Balance		68

Date First Appropriation	FY 81	
First Cost Estimate		
Current Scope	FY 15	5,218
Last FY's Cost Estimate		5,218
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

Description

This project provides funding to (1) continue development of a Collegewide energy management program, (2) implement life-cycle cost effective energy conservation measures based upon energy audits, and (3) review new building/renovation designs for compliance with Montgomery County Code, Ch. 8 Building Energy Performance Standards. Typical project activities include retrofits and modifications of lighting, controls, and HVAC equipment; building envelope modifications; solar energy retrofits; computer equipment for equipment control and energy-use monitoring; HVAC system evaluation/balancing studies; long-range energy/utility planning studies; central plant design plans (Germantown, Rockville, Takoma Park/Silver Spring); and waste management studies. Typical payback on lighting, controls, HVAC and solar energy modifications is five to six years. The FY16 request includes one new staff position for a Utility Analyst which is in response to increased workload associated with County Council Bill No. 2-14, Benchmarking, which was enacted by Council on April 14, 2014. Since there are sufficient funds within the request, additional County funds are not requested for this position.

Cost Change

Increase due to the addition of FY19 and FY20.

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

College Affordability Reconciliation (P661401)

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

Date Last Modified 11/17/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	0	0	0	0	0	0	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	-4,300	0	0	-4,300	0	-2,000	-300	-2,000	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	-4,300	0	0	-4,300	0	-2,000	-300	-2,000	0	0	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	-4,300	0	0	-4,300	0	-2,000	-300	-2,000	0	0	0
Total	-4,300	0	0	-4,300	0	-2,000	-300	-2,000	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	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	0
Last FY's Cost Estimate	0

Description

This project reconciles the request of the Board of Trustees of Montgomery College with the County Executive's recommendation. Fiscal constraints lead the Executive to adjust the annual amounts to be affordable within the CIP. The Executive's recommendation provides 98.8 percent of the total Montgomery College Capital funding for the six-year period.

Montgomery College
Office of Central Facilities
March 3, 2015, Rev.2

Subject: Utility Analyst Capital Budget Justification

Following the lead of peer agencies, the College requests a new position to be funded from the Energy Conservation project.

The salary and benefits for the Utility Analyst position is approximately \$80,000 per year, and the operating budget savings is estimated to be between two to five percent, or about \$160,000 to \$500,000 of the annual utility cost. There has been only one position that manages energy and utility programs, and the College has more than doubled over the last 28 years. In addition, the workload has increased significantly for the Energy Manager including not only 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.

Since the College hired its full time Energy Manager in February 1987, the College has become a leader in energy efficiency, resource conservation and sustainability. The College's award winning Resource Conservation Program has saved the tax payer millions of capital and operating dollars and has gained national and international acclaim. The College has also grown by 142%, increased its utility operating budget by approximately \$7,000,000 (880%), while maintaining 1987 staffing levels. Furthermore it is projected that by 2025 the College will expand by an additional 670,000 GSF (27%) and its utility operating budget will grow from \$7,800,000 to \$13,500,000, a 73% increase. To meet this increased demand, respond to new legislated mandates, increase reimbursement for utility rebates and other state and federal incentives and continue to save capital and operating dollars, the College is requesting one additional full time capital staff. The Utility Analyst will assist the Energy Manager and perform analytical, quality control and administrative tasks related to energy and utility management which support the College's capital budgets:

1. Benchmarking: In order to comply with Bill 2-14 (Benchmarking), the College, whose campus buildings share thermal energy (cooling & heating) distributed from central energy plants will require capital investment in construction for new, renovated and retrofit of existing buildings for sub-metering and automation controls in order to accurately measure energy distribution to campus buildings. The intent of benchmarking is not only energy measurement but identification of waste which ultimately will lead to capital retrofits and measurement to verify and validate energy savings. Benchmarking and the continuous commissioning process are necessary to ensure that the capital energy investment continues to perform as designed.

2. Clean Energy Renewables: In order to comply with Bill 8-14, the College is required to improve its capital infrastructure to include one kilowatt (kW) of renewable on-site capacity per 1000 Gross Square Foot (GSF) of new or renovated buildings and include an additional 2% to the CIP PDF. Annual administration and reporting to the County Executive and County Council is also required. To accomplish this and minimize capital and operating budget impacts the College intends to investigate opportunities such as bridging existing County Government Power Purchase Agreements (PPA), while investigating opportunities to capture revenues from existing College owned on-site solar electric generation facilities.

3. Electric Vehicle Charging Stations: In order to comply with Bill 1-14, the College is required to improve its capital infrastructure to include one vehicle charging station per every 50 new/renovated parking spaces. This activity needs to be coordinated with Clean Energy Renewables and Maryland State grant funding opportunities.

4. USGBC LEED Certification: In order to comply with Bill 17-06 which requires that all College new and renovated capital building projects meet at least LEED Silver Certification as a requirement for an occupancy permit, the College has been able to obtain the higher LEED Gold Certification. Similar certification requirements are required by the City of Rockville for those projects on the Rockville Campus. The U.S. Green Building Council continues to tighten requirements for LEED certification and to maintain the certification levels the College needs to consider credits which require additional utility analysis, measurement and verification.

5. Social Cost of Carbon: Bill 5-14 requires that the County Office of Management and Budget (OMB) include a dollar value in the life cycle cost of capital budgets to account for investment in technologies that will reduce the impact of global warming. Although these costs or College responsibilities have yet to be defined, the College is anticipating that it will require additional utility analysis.

6. Office of Sustainability: Bill 6-14 requires that the County Executive create an Office of Sustainability. The College as a member of the Interagency Committee on Energy and Utility Management will partner with this new office and participate in working groups as necessary in greenhouse gas inventories, develop energy baselines, energy unit savings plan and energy cost savings plan.

7. Utility Incentives & Grants: Although the College has been participating in the PEPCO C&I Lighting Rebate Program, additional administrative support is required to track and recover utility rebates already underway and to expand the capital programs for additional incentives. Other utility incentives such as PJM demand management programs will require capital investments. These programs will reduce the utility operating budget. Maryland State grants

are available for installation of capital infrastructure such as electric vehicle charging stations which offset the initial capital investment for this infrastructure.

8. Planning, Design & Supervision: The College is required by the State of Maryland to update College-wide Master Plans annually. Subsequently, utility master plans are updated to coincide with changes to the master plans which require utility analysis and quality control reviews. Optimal selection of fuels, delivery of thermal energy and planning for utilities reduces first costs and operating cost. Supervision involves routine administrative duties such as record keeping, procurement of consultant services, quality control and project management.

Notes:

Bill 8-14 – Clean Energy Renewables (1kW/1000GSF)

Bill 9-14 – Renewable Energy Purchase (100%)

Bill 11-14 – Electric Vehicle Charging Stations (1VCS/50 spaces)

Bill 17-06 – LEED Certification.

Capital Projects:

Planned Life Cycle Asset Renewal(PLAR)

Capital Renewal

Energy Conservation

Planning, Design & Construction

Capital Construction Projects

Increased square footage

Increased Deferred Maintenance

PEPCO C&I Energy Saving Rebate Program

Montgomery College
Office of Central Facilities
March 3, 2015

Subject: Architect Capital Budget Justification

The salary and benefits for the Architect position is approximately \$100,000 per year. Currently, there is only one architect that reviews architectural design associated with new building construction, renovation projects, roof asset management, ADA compliance, Title IX compliance, and deferred maintenance of aging facilities. The College has more than doubled in gross square feet over the last 28 years, and the workload has increased significantly for the College Architect. In addition, the additional architect position was recommended in an organizational study of Central Facilities conducted in 2005 by The Friday Group. The architect position has been requested in previous years, but not approved in prior capital budget submissions. The College has grown significantly since 1987 by nearly 142%. There is a critical need for an additional architect to assist with the College's current deferred maintenance backlog, which totals \$85.9 million. If Montgomery College does not adequately address deferred maintenance, then the long term costs increase significantly. There is a direct correlation with delays in deferred maintenance, and an increase in the long term costs of repairs and replacements. This position will manage, and implement projects to address the deferred maintenance backlog, and in effect reduce the need for costly future repairs and replacements.

The role of this position is to manage the architectural, engineering and design activities in the Office of Facilities either by in-house architectural/engineering (A/E) staff or through outsourced service providers. The architect also provides technical expertise to College staff during design reviews. The role of the architect is to safeguard the public welfare and safety in the built environment at the College, as well as, to ensure that facilities are functional, pleasant, and maintainable. This position will focus on deferred maintenance projects that are smaller projects that demand a considerable amount of time to implement.

Specific tasks of this position are to:

- Supervise and coordinate in-house and/or consultant activities relating to A/E design to ensure that they are completed on time and within budgets identified. Review and make recommendations on project proposals and fee proposals.
- Provide technical support to ensure that all College design standards and other applicable codes and regulations are followed in the preparation of A/E designs.
- Prepare budgets and schedules for A/E design work.
- Oversee the scheduling and documentation of all the required College, state and local plan reviews to ensure that they take place on time. Ensure that the resulting revisions are accurately made and included in the project design document.
- Research and prepare reports, research and write correspondence, attend meetings and public hearings affecting College A/E design and provide analysis.
- Prepare material to aid in the submission of the capital budget and a six-year capital improvements program funding requests to the county and state.
- Develop annual plan and budget; providing for financial forecasts and projections; maximizing cash flow; evaluating financial performance
- Assign and review work, and train develop and evaluate direct reports.

Justification:

- This position would be dedicated to the deferred maintenance projects, planned lifecycle asset replacement, capital renewal, roof replacement, elevator modernizations, and site improvements (including ADA work).
- This position would also manage outside A/E consultant teams in the deferred maintenance area.
- All three campuses now have central plant operations. In the late 1980s, Rockville was the only campus with a central plant. As a result, there is more ongoing activity, but there are also cost savings realized.
- There have also been changes in building codes since the late 1980s that are stringent, and require more extensive evaluation before determining a correct approach.

ScenarioCollege Affordability Reconciliation (Reduction)

4,300,000.00

Reduction	Fiscal Year	Amount	Impact
Capital Renewal	FY16	(1,653,000.00)	Reduce FY16 funding; postpone Rockville Computer Science renovation (4 labs, and 6 classrooms), and postpone anticipated future building renovations P-1 (4 labs, 1 classroom, and 1 learning center), P-2 (office space), and P-4 (11 classrooms) at the Takoma Park/Silver Spring. The College will defer addressing space deficits. The College has deferred maintenance of \$86 million, and this reduction will further delay progress.
Capital Renewal	FY17	(2,000,000.00)	Reduce FY17 funding; postpone Rockville Computer Science renovation(4 labs, and 6 classrooms), and postpone anticipated future building renovations P-1 (4 labs, 1 classroom, and 1 learning center), P-2 (office space), and P-4 (11 classrooms) at the Takoma Park/Silver Spring. The College will defer addressing space deficits. The College has deferred maintenance of \$86 million, and this reduction will further delay progress.
Roof Replacement	FY17	(302,000.00)	Reduce FY17 funding; postpone the roof replacement of the Gudelsky building, which is beyond its useful life. Will respond aggressively to any roof maintenance issues.
Roof Replacement	FY18	(250,000.00)	Reduce FY18 funding; postpone the roof replacement of the Gudelsky building, which is beyond its useful life. Will respond aggressively to any roof maintenance issues.
Site Improvements	FY18	(95,000.00)	Delete FY18 funding; postpone sidewalk repairs on either the Rockville, or Germantown campus.
		<u>(4,300,000.00)</u>	

Difference needed to match reduction recommendation

Classroom Space					
Building	Campus	Type	# of rooms	Headcount	Total Headcount
Computer Science	Rockville	lab	3	25	75
Computer Science	Rockville	lab	1	40	40
Computer Science	Rockville	classroom	6	25	150
P1	TPSS	lab	3	25	75
P1	TPSS	lab	1	20	20
P1	TPSS	classroom	1	30	30
P4	TPSS	classroom	9	22	198
P4	TPSS	classroom	2	40	80
Total					668

26