
Higher Education Capital Budget Overview

**Department of Legislative Services
Office of Policy Analysis
Annapolis, Maryland**

March 2012

Summary of Issues

Capital Funding Over Periods of Time: Between fiscal 2007 and 2012, capital spending at public four-year institutions totaled \$1.2 billion, and an additional \$1.2 billion is programmed for fiscal 2013-2017. In overall dollars, Coppin State University (CSU) and the University of Maryland, College Park received the most between fiscal 2007 and 2012 at \$183.2 million and \$182.9 million, respectively. However, on a per-student basis, CSU received more than \$5,500 more than the next closest college during that period (\$9,953 per full-time equivalent student). The State average between fiscal 2007 and 2012 was \$1,897 per full-time equivalent student.

University System of Maryland Plant Funds: Plant funds are a group of accounts similar to a savings account in which institutions can set aside funds from the operating budget to be used for anticipated capital expenditures. In fiscal 2011, the University System of Maryland's plant funds totaled \$622.0 million with the State-supported portion accounting for 49.9%, or \$310.4 million. The largest portion of these funds, \$75.7 million, goes toward Academic Revenue Bond debt service payments.

Summary of Recommended Bond Actions

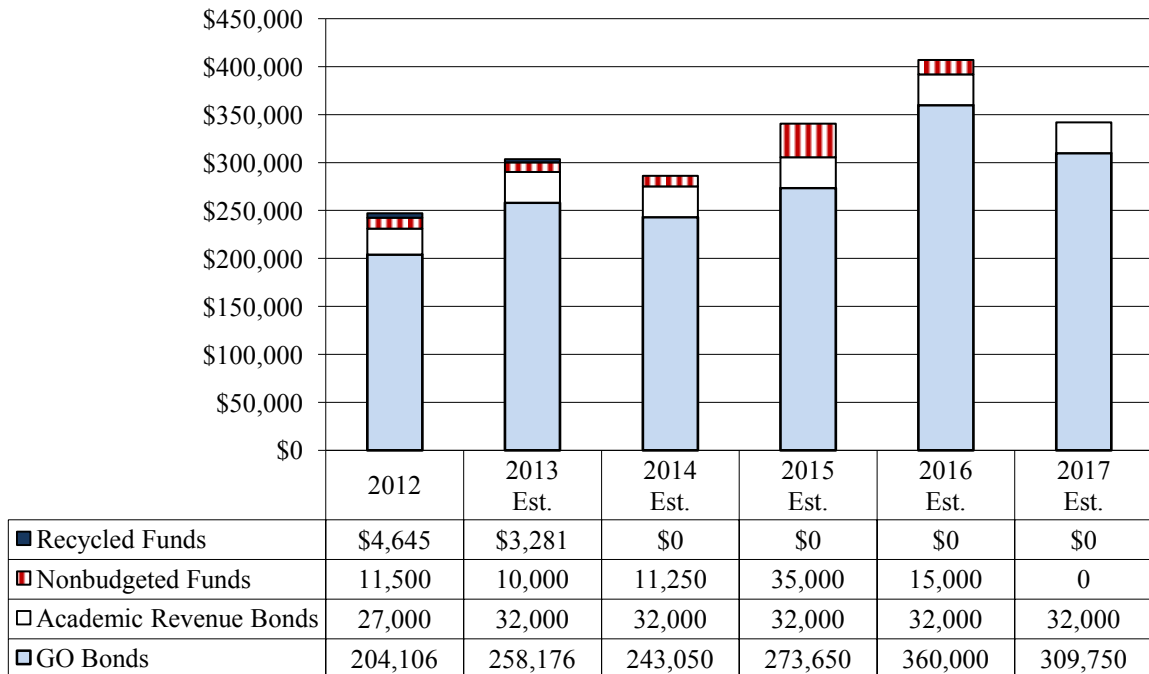
1. Physical Sciences Complex
Approve.
2. New Center For Communications and Information Technology
Approve.
3. New Law School Building
Approve.
4. Anne Arundel Hall Reconstruction
Approve.
5. New Teacher Education and Technology Complex de-authorization
Approve.
6. New Center for Communications pre-authorization
Approve.

Overview

Fiscal 2013 Allowance Totals \$303.5 Million

The *Capital Improvement Program* (CIP) for all segments of higher education totals \$303.5 million for fiscal 2013, \$56.2 million greater than what was authorized in fiscal 2012. **Exhibit 1** shows that total capital appropriations are planned to decline somewhat in fiscal 2014 and then increase annually to \$407.0 million in fiscal 2016. Fiscal 2013 includes \$258.2 million in general obligation (GO) bonds and \$32.0 million in Academic Revenue Bonds (ARBs) for the University System of Maryland (USM). An additional \$10.0 million are nonbudgeted funds from private donors or other institutional resources.

Exhibit 1
Capital Funding Authorized and Proposed
Fiscal 2012-2017
(\$ in Thousands)



GO: general obligation

Note: Recycled funds represent funds within the Community College Facilities Grant Program that were appropriated in prior fiscal years and available to use due to lower than budgeted spending on some projects. Nonbudgeted funds do not include local funds for community college projects.

Source: 2012 *Capital Improvement Program*; 2011 *90 Day Report*

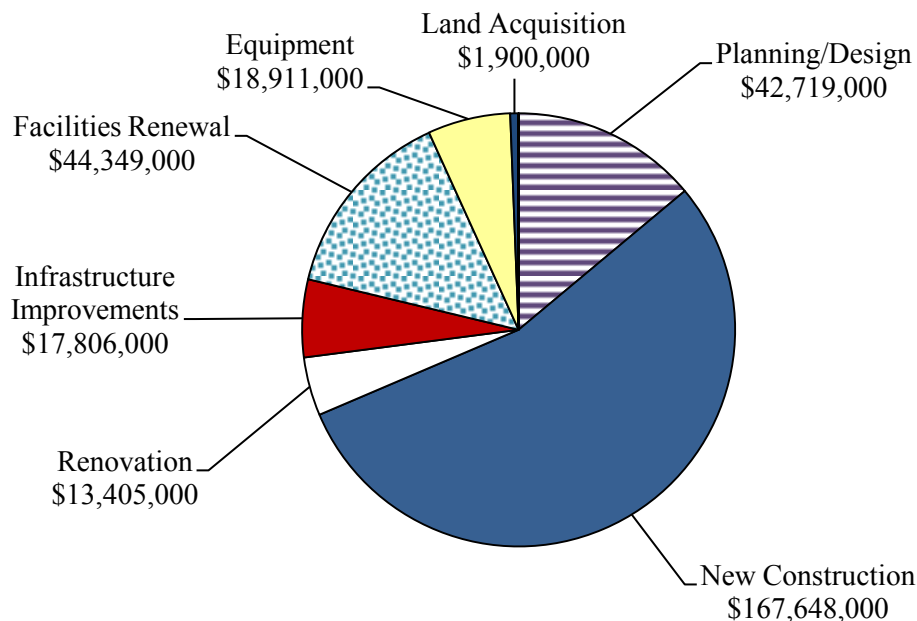
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ARBs are issued directly by the institutions and authorized separately by annual legislation (House Bill 782 – Academic Facilities Bonding Authority) for USM. In fiscal 2013, USM’s proceeds will be distributed to Coppin State University (CSU) (\$10 million) and the University of Maryland, College Park (UMCP) (\$5 million), and to facilities renewal projects systemwide (\$17 million).

The \$32 million in ARBs authorized in the fiscal 2013 budget is \$5 million higher than authorized for the past several years. Recognizing the facilities renewal needs at UMCP, the fiscal 2012 budget included \$5 million in GO bonds for the campus and requested the Capital Debt Affordability Committee (CDAC) to evaluate USM’s ability to match the State’s funding. The committee decided that increasing USM’s ARB authorization would not impact the system’s bond rating, and that funding is included in the fiscal 2013 budget and is programmed for fiscal 2014 through 2017.

The types of projects planned for fiscal 2013 include land acquisition, planning, new construction, renovation, facilities renewal, equipment, and infrastructure improvements. **Exhibit 2** shows the distribution of funding by project type. New construction and renovations make up 59.0% of all spending, \$181.1 million. The next largest share is facilities renewal, at 14.5%. Most projects receiving equipment funding are in their final year and will not appear in a future capital budget.

Exhibit 2
Capital Projects by Type
Fiscal 2013



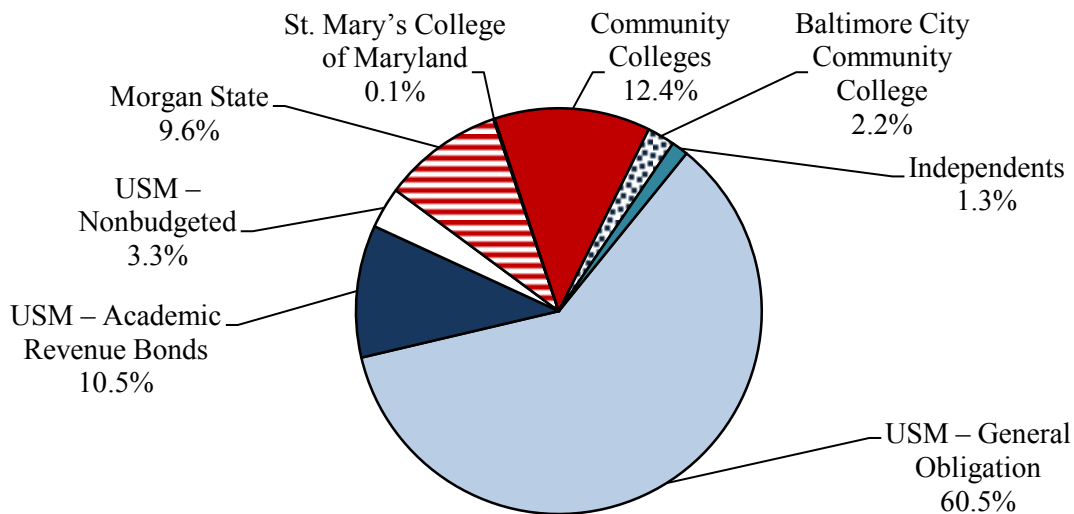
Note: Figures include all general obligation bonds, Academic Revenue Bonds, and nonbudgeted funds.

Source: Governor’s Budget Books, Fiscal 2013

Four-year Institutions Receive 85.4% of Higher Education Capital

Funding by type of institution is shown in **Exhibit 3**. A year ago, four-year institutions received 75.2% of all capital spending in higher education. That amount increases to 85.4% in the allowance due to a combination of increased support for public four-year institutions and reduced spending on community colleges. The largest project is the New Center for Communications and Information Technology at Frostburg State University, which is in the construction phase with \$44.6 million in fiscal 2013 and \$4.7 million pre-authorized for fiscal 2014.

Exhibit 3
Capital Funding by Type of Institution
Fiscal 2013



USM: University System of Maryland

Note: Figures include all general obligation bonds, Academic Revenue Bonds, and nonbudgeted funds.

Source: Governor's Budget Books, Fiscal 2013

Community Colleges' Funding Drops in Fiscal 2013

Community colleges (including Baltimore City Community College) represented 24.4% of all fiscal 2012 higher education spending, which equated to \$60.3 million. Funding falls by \$15.9 million in the allowance, to \$44.4 million, or 14.6% of spending in fiscal 2013. This lower funding level is the result of other capital budget priorities limiting the amount of money available, and also limitations from local governments in providing their required matching funds. Community college capital projects must have a local match as part of the funding, and some local governments are unable to afford additional debt payments in fiscal 2013. Funding in the CIP increases to \$80.0 million or more annually in fiscal 2014 through 2017.

Capital Funding by Institution

The distribution of capital funding by institution and segment is shown in **Exhibit 4**. Every institution is programmed to receive GO bond funds at some point over the next five years except the University of Maryland University College. Total and per-student funding at four-year public institutions are discussed further in the first issue of this analysis.

Exhibit 4
Capital Funding by Institution
Fiscal 2012-2017
(\$ in Thousands)

	<u>2012</u>	<u>Proposed</u> <u>2013</u>	<u>Est.</u> <u>2014</u>	<u>Est.</u> <u>2015</u>	<u>Est.</u> <u>2016</u>	<u>Est.</u> <u>2017</u>
UM, Baltimore	\$8,000	\$10,000	\$11,000	\$58,900	\$67,700	\$80,000
UM, College Park	35,100	42,035	17,800	43,050	36,250	31,550
Bowie State University	2,957	5,266	4,300	40,350	41,350	300
Towson University	1,200	19,512	3,200	0	33,300	38,600
UM Eastern Shore	3,600	0	0	41,050	44,050	0
Frostburg State University	10,054	44,550	7,250	0	0	0
Coppin State University	0	38,775	59,050	900	1,100	10,700
University of Baltimore	48,993	4,037	0	0	0	0
Salisbury University	1,500	0	0	0	3,850	4,700
UM University College	0	0	0	0	0	0
UM Baltimore County	41,200	33,225	35,450	0	1,000	10,700
UM Center for Environmental Sci.	0	1,150	0	6,150	8,300	5,750
USM Office (Facilities Renewal)	17,000	27,000	17,000	17,000	17,000	17,000
USM – GO	\$131,104	\$183,550	\$111,800	\$140,400	\$206,900	\$167,300
USM – ARB	27,000	32,000	32,000	32,000	32,000	32,000
USM – Nonbudgeted	11,500	10,000	11,000	35,000	15,000	0
Morgan State – GO	6,371	29,185	47,100	43,550	43,450	8,650
Morgan State – Nonbudgeted	0	0	250	0	0	0
St. Mary’s College of Maryland	0	310	150	4,750	17,050	14,500
Regional Centers	935	0	0	0	0	13,400
Community Colleges	58,091	37,726	80,000	80,000	80,000	80,000
Baltimore City Community College	2,250	6,686	0	950	8,600	21,900
Independents	10,000	4,000	4,000	4,000	4,000	4,000
Total	\$247,251	\$303,457	\$286,300	\$340,650	\$407,000	\$341,750

ARB: Academic Revenue Bonds
GO: general obligation

UM: University of Maryland
USM: University System of Maryland

Note: Figures include all general obligation bonds, Academic Revenue Bonds, and nonbudgeted funds. Community college funding includes the program fund balance.

Source: Governor’s Budget Books, Fiscal 2013; 2011 90 Day Report

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The General Assembly added design funds for an expansion of the Southern Maryland Higher Education Center in fiscal 2012. Construction for the project is not programmed until fiscal 2017, however. Other projects advanced by the General Assembly in fiscal 2012 receive funding in fiscal 2013, including the Health Sciences Facility III at the University of Maryland, Baltimore (UMB) and the New Jenkins Behavioral and Social Sciences Center at Morgan State University.

USM Funded Capital Projects

A significant number of projects is funded independently of the State's capital budget. **Exhibit 5** shows capital projects that USM will fund using auxiliary revenue bonds, cash, or external sources. These projects total \$89.5 million in fiscal 2013. Most involve auxiliary facilities that are not eligible for GO bonds, such as dormitory renovations. Occasionally, a project will appear on the list that qualifies for State support. Funding capital projects outside of the capital budget is the subject of the second issue of this analysis.

Exhibit 5 University System of Maryland Capital Projects Funded Independently of the State's Capital Budget Fiscal 2013 (\$ in Thousands)

<u>Campus</u>	<u>Project</u>	<u>Cost</u>	<u>Source</u>
UMB	Baltimore Grand Garage Elevator Replacement	\$2,000	Auxiliary Bonds
UMCP	Central Maryland Research and Education Center/Office	1,750	Institutional
UMCP	Replace Carroll, Caroline, Wicomico, and Phase I, SCUB II	51,080	Auxiliary Bonds
TU	Burdick Renovation, Phase III	13,500	Auxiliary Bonds
TU	Residence Tower Renovation	2,370	Auxiliary Bonds
SU	Dormitory Renovations, Campuswide	7,500	Auxiliary Bonds
UB	Streetscape Project	250	Institutional
UMBC	Residence Hall Renovations and Additions	10,350	Auxiliary Bonds
UMBC	Parking System Improvements	710	Auxiliary Bonds
Total		\$89,510	

SCUB: Satellite Central Utility Building
SU: Salisbury University
TU: Towson University
UB: University of Baltimore

UMB: University of Maryland, Baltimore
UMBC: University of Maryland Baltimore County
UMCP: University of Maryland, College Park

Source: University System of Maryland

Capital Projects – Expedited Review

Exhibit 6 presents a brief summary of four projects for which the Department of Legislative Services (DLS) has determined a full analysis is not warranted. Each project has already been reviewed by the General Assembly in prior sessions when initial design and construction funds were authorized (except for the Anne Arundel Hall Reconstruction at St. Mary’s College of Maryland, which is still in the design phase), and DLS finds no issues that require further committee consideration. For each project, DLS recommends approval of the Governor’s proposed authorizations.

Exhibit 6 Expedited Review

<u>Institution</u>	<u>Budget Code</u>	<u>Project</u>	<u>DLS Rec.</u>
St. Mary’s College of Maryland	RD00A	Anne Arundel Hall Reconstruction – The fiscal 2013 capital budget includes \$310,000 in general obligation (GO) bonds for planning the reconstruction of the Anne Arundel Hall. Construction funding was delayed to fiscal 2015 to accommodate other budget priorities. Archaeological excavations must be completed before construction can begin, and this fiscal 2013 authorization allows that work to continue. When complete, the building will house the history, anthropology, archaeology, museum studies, and international languages programs. There will also be staff, laboratories, and artifact curation space for the Historic St. Mary’s City Commission.	Approve.
Univ. of Maryland, College Park (UMCP)	RB22A	Physical Science Complex (Phase I) – The fiscal 2013 budget provides \$29.6 million to complete the construction and equip Phase I of the Physical Science Complex. Construction started in July 2010 and is scheduled to be completed by September 2013. Phase I will provide modern laboratory and office space for the Department of Physics, the Department of Astronomy, and the Institute for Physical Sciences and Technology. The departments that will occupy the new facility currently reside in three aged, poorly conditioned, and obsolete buildings that have outlived their useful life as laboratory and research facilities. The buildings were built in the 1950s and 1960s and can no longer support the requirements and needs of the researchers or faculty. Originally, Phase I was approved to have 129 laboratories. The project was scaled back to 104 to keep the project within cost estimates. However, during project design, UMCP received a federal grant from the National Institute of Standard and Technology allowing for the construction of an additional 41 laboratories. Furthermore, when construction bids were approximately \$5 million below the 100% construction document cost estimate, the Department of Budget and Management approved a project scope change allowing the savings to fund an additional 16 laboratories, thereby adding 3,968 net assignable square feet (NASF)/6,354 gross square feet (GSF) without increasing the footprint of the building. Overall, Phase I constructs an additional 85,846 NASF/160,246 GSF which includes the construction of	Approve.

Higher Education – Capital Budget Overview

<u>Institution</u>	<u>Budget Code</u>	<u>Project</u>	<u>DLS Rec.</u>
		161 laboratories providing 47,889 NASF in research space. The total cost of the project is \$126.5 million.	
Frostburg State University	RB26A	Center for Communications and Information Technology (CCIT) – Total funding for construction of CCIT is \$58.2 million. The capital budget split funds the construction authorization between fiscal 2012, 2013, and 2014, which is consistent with the anticipated construction schedule. A pre-authorization for the programmed fiscal 2014 construction authorization is included in the Maryland Consolidated Capital Bond Loan of 2012. Construction is scheduled to start in April 2012 and is projected to be completed in January 2014. The total estimated cost of the project is \$66.7 million: \$6.0 million for design, \$58.2 million for construction, and \$2.6 million to equip the facility. CCIT will provide an additional 68,101 NASF/127,000 GSF of classroom, teaching laboratory, research, and other support space. The facility will house Mathematics, Mass Communications, Computer Science, and Graphics Design. These programs to be housed in CCIT are technology intensive and require instruction video studios, computer and graphics laboratories, production studios, and audio-visual equipment. Currently, these programs occupy space that is not designed for extensive use of technology and cannot handle the electrical loads and the cooling and ventilation requirements of the equipment. In addition, the television studio/control room was converted from an old theatre stage and falls below broadcast standards. CCIT will provide an additional 8,106 NASF of classroom; 12,665 NASF of teaching laboratory space; 8,200 NASF of open laboratory space; and 10,285 NASF of office space.	Approve.
Univ. of Baltimore	RB28A	New Law School Building – The fiscal 2013 budget provides \$4.04 million to complete construction and equip the 112,310 NASF/189,700 GSF New Law Building at the University of Baltimore. Construction started in August 2010 and is scheduled to be completed by November 2013 at a total estimated cost of \$107.3 million. State funding for the project leverages \$15.0 million in private/university funds. The existing law facility, built in 1981, only provides about 60% of the average space allotment per student of all other American Bar Association approved schools. This space shortage forces law clinic programs into different facilities, making the integration of clinical and nonclinical faculty difficult. An additional deficit of office space means that approximately 100 adjunct faculty have no offices at all. Finally, the existing facility has cinderblock walls that impede renovations and information technology upgrades and render many classrooms and offices acoustically disruptive. The new building will have 15,440 NASF for classrooms and 39,045 NASF for offices. The fiscal 2013 GO bond funds are \$213,000 lower than prior estimates due to keeping project costs consistent with prior appropriations and so that the total equipment cost for information technology and furniture remains consistent with the total equipment cost estimate of \$7,250,000.	Approve.

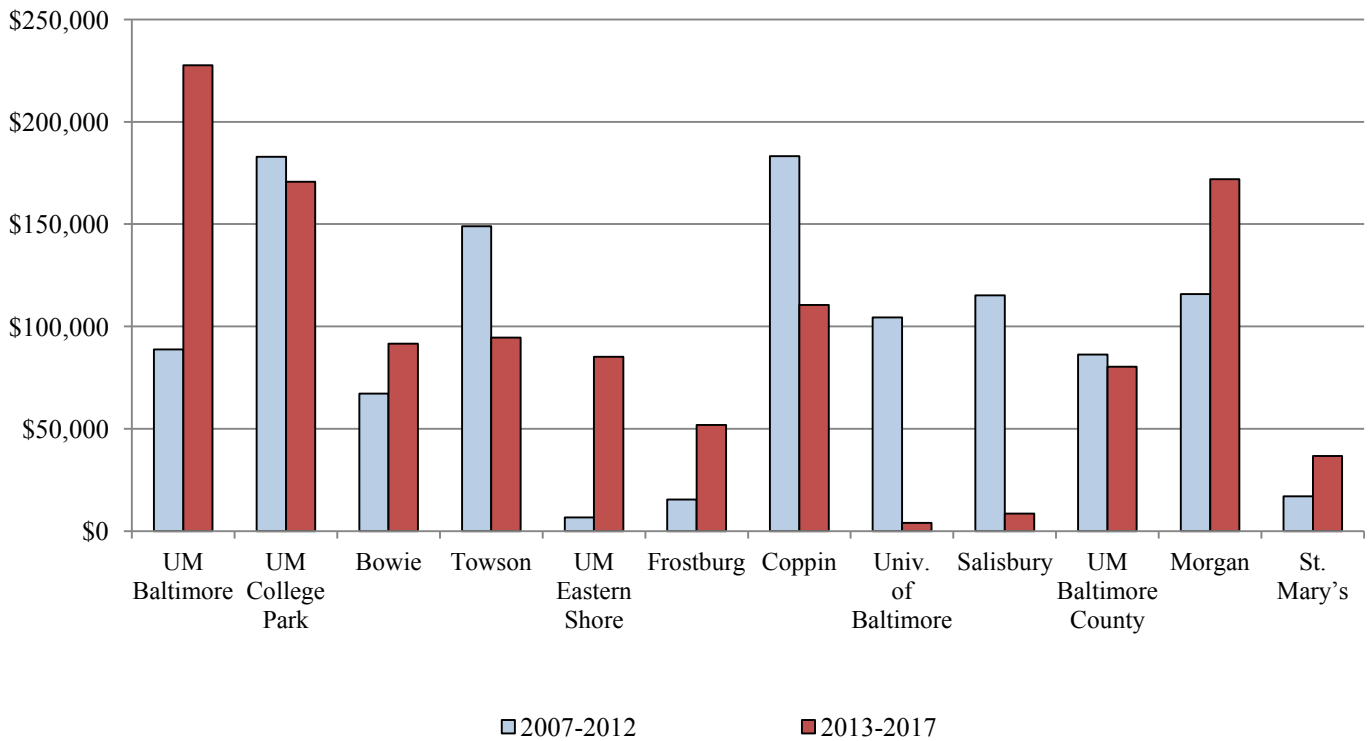
Source: Department of Legislative Services

Overview Issues/Updates

1. Capital Funding Over Periods of Time

Between fiscal 2007 and 2012, capital spending at public four-year institutions totaled \$1.2 billion, and an additional \$1.2 billion is programmed for fiscal 2013 through 2017. This funding helps to address space deficits in classrooms, laboratories, and offices and improves campus infrastructure. **Exhibit 7** shows total authorizations by college in the CIP between fiscal 2007 and 2012, and also what is programmed for fiscal 2013 through 2017.

Exhibit 7
Capital Spending at Public Four-year Institutions
Fiscal 2007-2017
(\$ in Thousands)



Note: Figures include all general obligation bonds, Academic Revenue Bonds (except for facilities renewal spending through the University System of Maryland Office), and nonbudgeted funds.

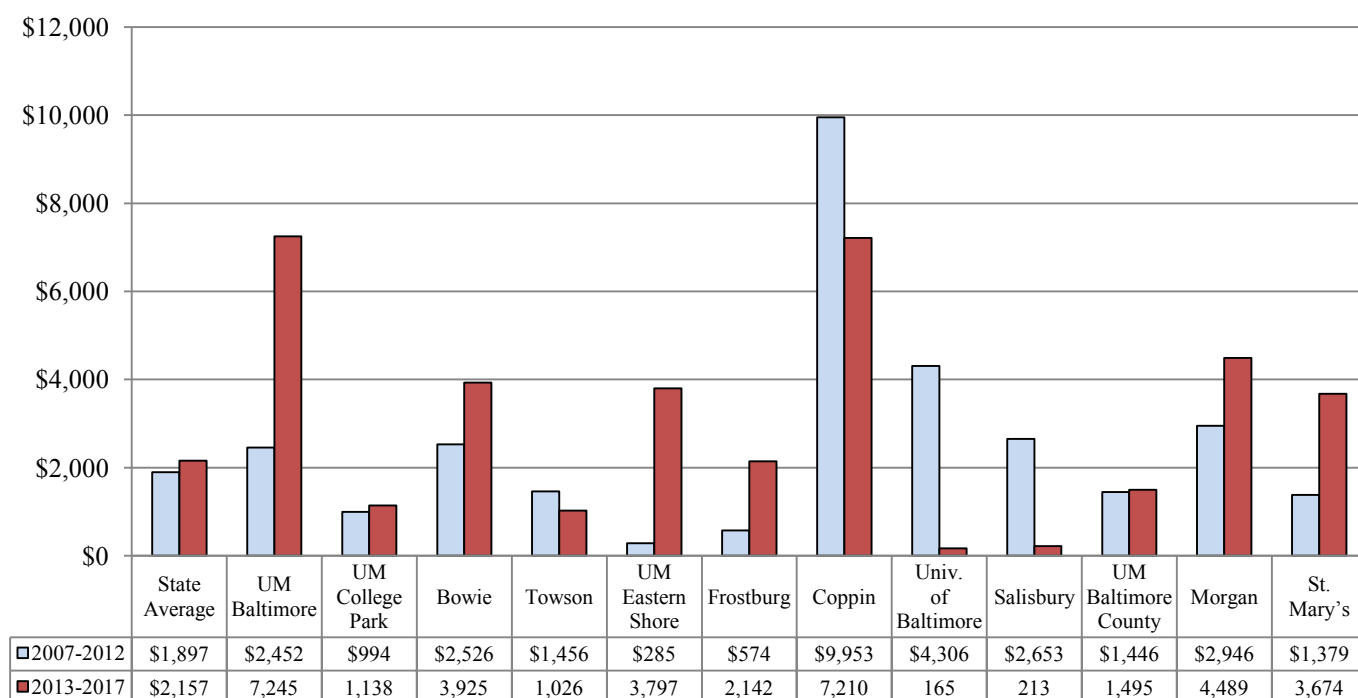
Source: Governor's Budget Books, Fiscal 2013; Department of Legislative Services

Higher Education – Capital Budget Overview

CSU and UMCP received about the same amount between fiscal 2007 and 2012, \$183.2 million and \$182.9 million, respectively. Between fiscal 2013 and 2017, UMB is programmed to receive the most, \$227.6 million, as the Health Sciences Facility III, a major research laboratory facility, is constructed. Morgan State University and UMCP receive the next highest amounts, at \$171.9 million and \$170.7 million, respectively.

It is also useful to look at spending based on how much a college receives per student. Because smaller colleges will likely have less facility needs than those that enroll more students, calculating per-student spending allows for more useful comparisons. **Exhibit 8** shows capital spending on a per-student basis over the same periods as Exhibit 7.

Exhibit 8
Capital Spending
Per Full-time Equivalent Student at Public Four-year Institutions
Fiscal 2007-2017
(\$ in Thousands)



UM: University of Maryland

Note: Figures include all general obligation bonds, Academic Revenue Bonds (except for facilities renewal spending through the University System of Maryland Office), and nonbudgeted funds.

Source: Governor's Budget Books, Fiscal 2013; Department of Legislative Services

Higher Education – Capital Budget Overview

On a per-student basis, CSU received the most between fiscal 2007 and 2012, \$9,953 per full-time equivalent student. The next closest institution was the University of Baltimore at \$4,306 per student. The State average for that period was \$1,897. For fiscal 2013 to 2017, CSU receives the second highest amount of funding per student, \$7,210. UMB is programmed to receive the most at \$7,245 per student.

2. USM's Plant Funds

Plant funds are a group of accounts similar to a savings account in which institutions can set aside funds from the operating budget to be used for anticipated capital expenditures. They are used to finance the acquisition, construction, renovation, and maintenance of facilities. Specifically, funds are set aside for:

- facilities renewal and deferred maintenance needs of State-supported facilities;
- debt service payments and retirement of debt;
- periodic or major facilities renewal of self-support or auxiliary facilities;
- nonbudgeted funds requirements in the CIP; and
- facilities or land acquisition.

As shown in **Exhibit 9**, USM's combined plant funds totaled \$622.0 million as of June 30, 2011. State-supported activities account for 49.9%, or \$310.4 million, of the total with the largest portion of funds, \$75.7 million going toward ARB debt service. Of the non-State supported funds, 41.8%, or \$130.4 million, fund Board of Regents approved cash-funded projects that include improvements to athletic fields and dorm renovations.

Plant funds may only be used for facilities and capital activities and may not be easily transferred to other accounts for non-capital purposes. For State-supported facilities, the use of plant funds is governed by the capital budget process in accordance with State law and Board of Regents policies. The Board of Regents oversees use of the self-supported plant funds.

Exhibit 9
University System of Maryland
Total Plant Funds as of June 30, 2011

<u>Purpose/Description</u>	<u>State-supported Activities</u>	<u>Non-State or Self-supported Activities</u>	<u>Total</u>
Funds for authorized land acquisition	\$1,775,286		\$1,775,286
BOR approved cash-funded capital project authorizations not yet spent	24,051,595	\$130,351,793	154,403,388
Nonbudgeted funds* requirements in the CIP	52,910,371		52,910,371
Renewal and replacement for self-supported activities	644,526	33,626,301	34,270,826
Deferred maintenance funds	53,600,844	16,923,189	70,524,033
Set-asides from non-State funds for future self-supported projects	59,906,404	85,322,229	145,228,633
ARB debt service for State-supported facilities approved by the Governor/General Assembly	75,740,699	25,122,654	100,863,353
Internal loans – capital projects to be funded with future operating budget transfers	3,945,335	20,309,828	24,255,163
Capital and Campus Project Accounts (150 accounts) less than \$1 million each	37,800,000		37,800,000
Total RSTARS Fund 48 Cash	\$310,375,060	\$311,655,993	\$622,031,053

ARB: Academic Revenue Bond
BOR: Board of Regents
CIP: *Capital Improvement Program*

*Includes funds for other non-State sources such as donors.

Note: The unrestricted net assets serve as the financial basis for the bond rating. Due to maintaining assets, at least 55% of debt service, the University System of Maryland (USM) is able to maintain its current high bond rating. As of June 30, 2011, USM's outstanding debt was \$1.1 billion.

Source: University System of Maryland

GO Bond Recommended Actions

1. Approve \$29.6 million in general obligation bond funds to complete construction and equip Phase I of the Physical Sciences Complex at College Park.
2. Approve \$44.6 million in general obligation bond funds to construct a new Center for Communications and Information Technology at Frostburg.
3. Approve funding for the New Law School Building at the University of Baltimore.
4. Approve planning funds for Anne Arundel Hall Reconstruction at St. Mary's College of Maryland.
5. Approve de-authorization of fiscal 2008 funds for the New Teacher and Education Technology Complex at Salisbury University.
6. Approve the pre-authorization of general obligation bond funds for fiscal 2014 to continue construction of the Center for Communications and Information Technology.

Space Needs at Maryland Public Four-year Institutions
(By Net Assignable Square Feet)
Fall 2010

<u>Institution</u>	<u>Total</u>	<u>Classroom</u>	<u>Class Laboratory</u>	<u>Research Laboratory</u>	<u>Office</u>	<u>Study/Stack</u>
University of Maryland, College Park	-1,470,407	-69,711	-40,674	-744,121	-233,934	-381,967
University of Maryland, Baltimore	-1,440,106	28,926	-58,326	-1,087,176	-300,190	-23,340
Towson University	-295,640	-91,944	14,188	-56,003	-60,669	-101,212
Salisbury University	-202,037	-21,575	-79,512	-3,450	-15,425	-82,075
University of Maryland Baltimore County	-179,846	-11,034	-66,153	-46,282	17,702	-74,079
University of Baltimore	-77,375	16,667	-47,369	-1,896	-4,454	-40,323
Frostburg State University	-65,047	3,451	1,628	-2,879	-26,388	-40,859
St. Mary's College of Maryland	-46,093	-3,675	-12,469	1,325	-10,879	-20,395
University of Maryland Eastern Shore	-27,408	-7,305	-6,911	2,282	-12,263	-3,211
Bowie State University	-17,624	-20,498	-1,925	-447	28,492	-23,246
Morgan State University	5,816	14,989	3,430	-39,360	2,745	24,012
Coppin State University	16,605	-3,948	8,068	-4,053	20,622	-4,084
Total	-3,799,162	-165,657	-286,025	-1,982,060	-594,641	-770,779

Source: Maryland Higher Education Commission

Operating Impacts of Projects in the 2012 *Capital Improvement Program*
Fiscal 2013-2017
(\$ in Thousands)

<u>Institution</u>	<u>Project</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
BSU	Campuswide Site Improvements	\$39	\$55	\$57	\$59	\$61
BSU	New Natural Science Center				61	983
CSU	New Science and Technology Center		395	3,204	4,132	4,201
FSU	New Center for Communications and Information Technology	565	2,877	3,044	3,063	3,082
UMBC	New Performing Arts and Humanities Facility	1,053	1,498	2,296	2,351	2,407
UMCES	New Environmental Sustainability Research Laboratory				96	293
UMCP	Physical Sciences Complex – Phase I	479	4,078	4,767	4,765	4,763
UMCP	Remote Library Storage Facility			23	587	587
UMCP	University Learning and Teaching Center				470	3,147
TU	Smith Hall Addition and Renovation					195
TU	Campuswide Safety and Circulation Improvements		51	47	47	47
USM Total		\$2,136	\$8,954	\$13,438	\$15,631	\$19,766
MSU	New School of Business Complex		152	1,406	2,150	2,324
MSU	New Jenkins Behavioral and Social Services Center					1,702
MSU Total		\$0	\$152	\$1,406	\$2,150	\$4,026
SMCM	Anne Arundel Hall Reconstruction					272
SMCM Total		\$0	\$0	\$0	\$0	\$272
BCCC	Main Building Renovation – Administration Wing		359			
BCCC Total		\$0	\$359	\$0	\$0	\$0
Grand Total for Public Four-year Institutions		\$2,136	\$9,465	\$14,844	\$17,781	\$24,064

BCCC: Baltimore City Community College
 BSU: Bowie State University
 CSU: Coppin State University
 FSU: Frostburg State University
 MSU: Morgan State University
 SMCM: St. Mary's College of Maryland

TU: Towson University
 UMBC: University of Maryland Baltimore County
 UMCES: University of Maryland Center for Environmental Science
 UMCP: University of Maryland, College Park
 USM: University System of Maryland

Source: Governor's Budget Books, Fiscal 2013

**Status of Previously Authorized Projects
University System of Maryland**

<u>Institution</u>	<u>Project</u>	<u>Estimated Total Cost</u>	<u>Fund Source</u>	<u>Design Start</u>	<u>Construction Start</u>	<u>Construction Completion</u>
UMB	Health Sciences Facility III	\$283,575,000	State/NBF	12/11	7/13	7/18
UMCP	Physical Sciences Complex, Phase 1	126,474,000	State/NBF	8/07	6/10	9/13
CSU	New Science and Technology Center	118,138,000	State	4/10	8/12	8/14
UB	New Law Center	107,492,000	State/NBF	3/09	8/10	1/13
UMES	New Engineering and Aviation Science Building	92,018,000	State	8/11	6/13	6/15
UMBC	Performing Arts and Humanities Facility, Phase 1	84,175,000	State	2/07	7/10	7/12
UMBC	Performing Arts and Humanities Facility, Phase 2	77,250,000	State	7/11	7/12	7/14
TU	Towson Center Arena Addition/Renovation	68,000,000	USM	8/07	3/11	4/13
UMCP	Caroline, Carroll, and Wicomico Residence Halls Replacement	66,780,000	USM	11/11	6/12	4/14
FSU	Communication and Information Technology Center	66,619,000	State	4/10	1/12	1/14
UMBC	Residential Community Renovations	43,400,000	USM	2/11	12/11	8/13
BSU	New Student Center	41,720,000	USM	6/10	1/12	6/13
UMCP	High Rise Residence Hall Air Conditioning	40,340,000	USM	1/11	5/12	8/17
TU	Campuswide Safety and Circulation Improvements, Phase 1	19,574,000	State	8/07	8/08	02/12
TU	Residence Facilities Renovation (Newell, Richmond)	18,800,000	USM	3/10	6/11	7/12
SU	Chester/Choptank Hall Renovation	17,967,700	USM	7/11	4/12	8/12
CSU	Garage	15,600,000	USM/Other	9/07	1/12	5/13
TU	Campuswide Safety and Circulation Improvements, Phase 2	15,076,000	State	7/11	8/12	02/14
TU	Burkshire Improvements	15,000,000	USM	9/10	8/11	1/12
UMCP	Fraternity/Sorority Houses Renovation, Phase 9	13,730,000	USM	6/10	7/11	7/12
TU	Ward/West Halls Renovations	10,500,000	USM	6/11	5/12	8/13
UMCP	High Rise Residence Hall A/C, Phase 2	10,155,000	USM	8/10	10/11	8/13
UMCP	Pocomoke Building Renovation	8,880,000	USM	10/10	1/12	1/13
UMCP	Journalism Building Renovation	8,012,000	State/Other	4/09	8/10	10/11
TU	Public Safety Building	8,000,000	USM	6/10	10/11	12/12
UMB	Pratt Street Garage Renovation	7,000,000	USM	9/11	3/12	3/15
UMCP	Shuttle Bus Building – Lot 41	6,737,000	USM	3/10	6/11	4/12

<u>Institution</u>	<u>Project</u>	<u>Estimated Total Cost</u>	<u>Fund Source</u>	<u>Design Start</u>	<u>Construction Start</u>	<u>Construction Completion</u>
UMCP	Computer and Space Sciences and Residence Halls SCUB Expansion	6,550,000	USM	1/11	5/12	8/12
TU	Burdick A/C, Phase 2	5,000,000	USM	9/10	6/11	9/11
BSU	Campuswide Site Improvement, Phase 2 (Sidewalks, Landscape, and Lighting)	4,081,000	State	10/10	7/12	1/13
UMCP	Clarice Smith Performing Arts Center SCUB Line Replacement	4,060,000	State	9/09	3/11	12/11
UMCP	Severn Building Renovation	3,795,000	State	3/10	3/11	9/11
BSU	Electrical Upgrades (Formerly Campuswide Site Improvement, Phase 2)	3,237,000	State	3/10	3/11	11/11
UMCP	Heavy Equipment Repair Facility (Part of East Campus Relocation)	3,105,000	State	8/10	5/11	11/11
TU	Burdick Renovation, Phase 3	15,000,000	USM	3/12	1/13	1/14
UMCP	Denton Community Quadrangle	2,000,000	USM	1/11	3/12	8/12
UMCES	Research Pier Repairs	1,702,622	USM/Other	1/11	12/11	8/12
UMB	Howard Hall Renovation, 6th Floor	1,700,000	Other	6/10	6/11	3/12
UMBC	Replacement of Communication Tower	1,560,000	USM	9/11	3/12	8/12
BSU	Regional Stormwater Facility	1,363,590	State/Other		5/10	11/11
UMCP	Terrapin Trail Garage Renovation	1,000,000	Other	1/10	6/10	8/12
UMCP	Mowatt Lane Improvement, Phase 2	1,000,000	USM	1/09	8/11	10/11
UMBC	Parking System Improvement (Surface Lot Component)	500,000	USM	7/10	5/11	9/11
SU	Severn Hall HVAC Renovations	250,000	USM	11/10	5/13	8/13

A/C: air conditioning
 BSU: Bowie State University
 CBL: Chesapeake Biological Laboratory
 CSU: Coppin State University
 FSU: Frostburg State University
 HVAC: heating, ventilation, and air conditioning
 NBF: nonbudgeted funds
 SCUB: Satellite Central Utility Building
 SU: Salisbury University

TU: Towson University
 UB: University of Baltimore
 UMB: University of Maryland, Baltimore
 UMBC: University of Maryland Baltimore County
 UMCES: University of Maryland Center for Environmental Science
 UMCP: University of Maryland, College Park
 UMES: University of Maryland Eastern Shore
 USM: University System of Maryland