

**RI00**  
**Maryland Higher Education Commission**

***Capital Budget Summary***

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**Grant and Loan *Capital Improvement Program***  
**(\$ in Millions)**

<b>Program</b>	<b>2016 Approp.</b>	<b>2017 Approp.</b>	<b>2018 Request</b>	<b>2019 Estimate</b>	<b>2020 Estimate</b>	<b>2021 Estimate</b>	<b>2022 Estimate</b>
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Community College Construction Grant Program	\$57.926	\$59.386	\$56.252	\$60.000	\$60.000	\$80.000	\$80.000
<b>Total</b>	<b>\$57.926</b>	<b>\$59.386</b>	<b>\$56.252</b>	<b>\$60.000</b>	<b>\$60.000</b>	<b>\$80.000</b>	<b>\$80.000</b>

<b>Fund Source</b>	<b>2016 Approp.</b>	<b>2017 Approp.</b>	<b>2018 Request</b>	<b>2019 Estimate</b>	<b>2020 Estimate</b>	<b>2021 Estimate</b>	<b>2022 Estimate</b>
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GO Bonds	\$57.926	\$59.386	\$56.252	\$60.000	\$60.000	\$80.000	\$80.000
<b>Total</b>	<b>\$57.926</b>	<b>\$59.386</b>	<b>\$56.252</b>	<b>\$60.000</b>	<b>\$60.000</b>	<b>\$80.000</b>	<b>\$80.000</b>

GO: general obligation

## ***Summary of Recommended Bond Actions***

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1. Community College Facilities Grant Program

Approve the program for fiscal 2018.

2. SECTION 12 – Maryland Higher Education Commission – Community College Facilities Grant Program

Approve the pre-authorization for fiscal 2019.

3. SECTION 13 – Maryland Higher Education Commission – Community College Facilities Grant Program

Approve the pre-authorization for fiscal 2020.

## ***Program Description***

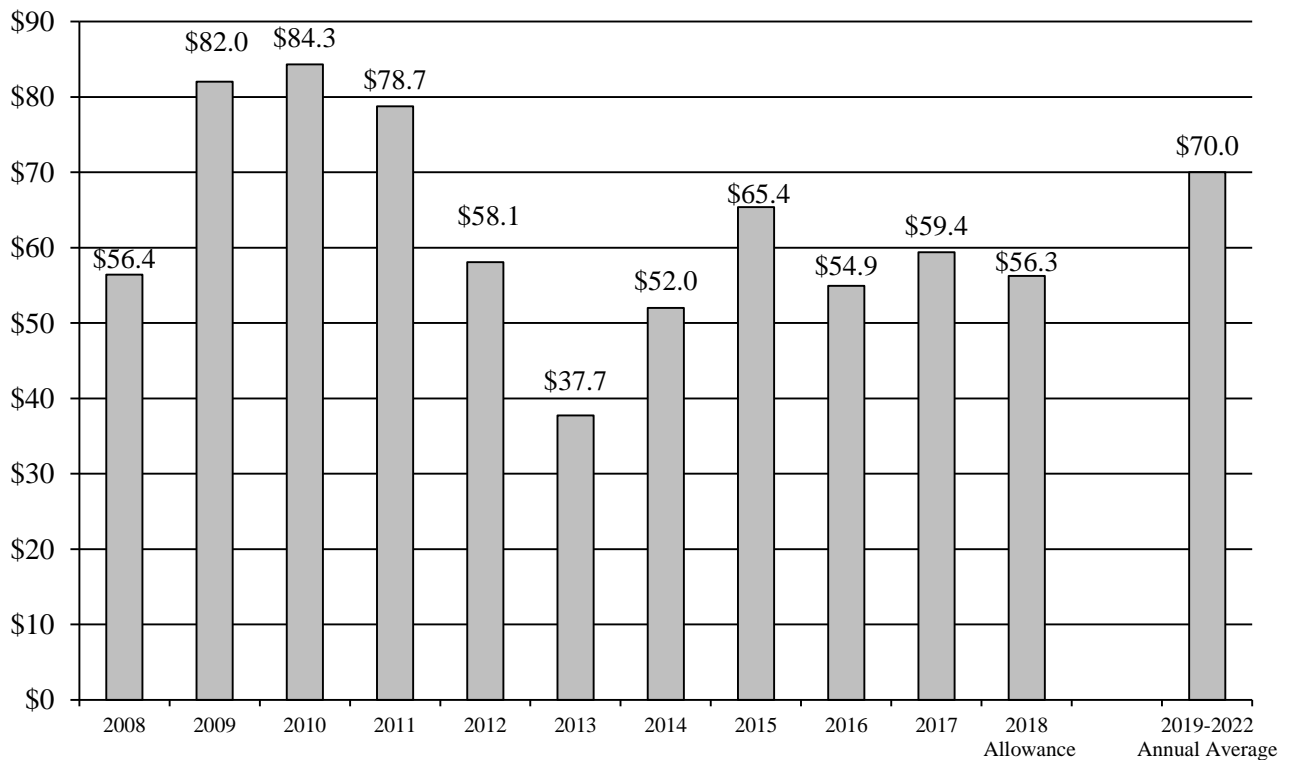
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The Community College Facilities Grant Program assists counties in improving the facilities and infrastructure of locally operated community colleges. For regional colleges, State support may total up to 75% of project costs, while other community colleges may receive between 50% and 70% of costs from the State, depending on the wealth of the jurisdiction. The fiscal 2018 allowance provides funds for 17 projects at 12 community colleges versus 13 projects at 9 community colleges in the fiscal 2017 budget. Under current guidelines, priority projects are those that incorporate certain project types, project phases, and facility categories. Additional factors include inventory status, age of facilities, funding history, and overall college priority. The combination of factors reflects the complexity of elements that impact project viability and funding priority. The Maryland Higher Education Commission (MHEC) adopted slightly revised prioritization rules in February 2014 to ensure that the model used is in line with PlanMaryland and Green Building concepts. Every community college project must also address workforce shortage concerns and institutional capacity for the project. MHEC also oversees the cost-sharing formula for counties. Projects carry their assigned State share, without change, through the life of the project. Colleges must provide a guarantee that local funding is in place for a project before it is included in the capital budget. However, in recent years, due to local fiscal pressures, some counties have backed out from or delayed their commitments to projects already accounted for in the MHEC pipeline. Most recently, Cecil County could not provide a firm commitment for its match for Cecil College, so the college's project was removed from consideration in fiscal 2017. One project at Garrett College received a pre-authorization for fiscal 2018, but the college did not pursue State funding in this fiscal year.

## Budget Overview

Total fiscal 2018 funding is \$56.3 million, which is \$3.1 million, or 5.3%, lower than State support in fiscal 2017. **Exhibit 1** shows how funding levels have changed since fiscal 2008. Funding levels peaked in fiscal 2009 through 2011 with a high of \$84.3 million in fiscal 2010. Authorization levels declined in fiscal 2012 through 2016 due to State fiscal constraints, and some local governments withdrew support for projects due to local fiscal constraints. State authorization levels rebounded slightly in fiscal 2015 but remained below \$60.0 million in fiscal 2016 and 2017. Overall, funding in fiscal 2018 is basically at the same level as it had been in fiscal 2008, \$56.4 million.

**Exhibit 1**  
**Community College Capital Grant Program**  
**Fiscal 2008-2022**  
**(\$ in Millions)**



Note: Does not include funding for Baltimore City Community College, as that college’s capital funding receives a separate authorization in the capital budget.

Source: Department of Budget and Management

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In June 2016, the budget committees submitted a request to the Governor that the community colleges be programmed at \$80 million per year in the out-years of the *Capital Improvement Program* (CIP). However, this program is currently slated to receive \$60 million annually in fiscal 2019 and 2020 and then grow to \$80 million in fiscal 2021 and 2022. This averages \$70 million per year in the CIP out-years, up from \$60 million in all out-years in the prior CIP.

**Exhibit 2** shows the list of proposed projects in the priority order of the Maryland Association of Community Colleges (MACC). Actual capital project spending in fiscal 2018 totals \$58.3 million, but a program fund balance transfer of \$2.0 million allows for only \$56.3 million in new general obligation (GO) bonds to be authorized. The balance accumulates if actual spending on previously approved projects comes in lower than the amount authorized. The leftover funds are recycled to new projects in the next capital budget. As of March 2017, the actual program fund balance held by MHEC totals approximately \$3.0 million.

**Exhibit 2**  
**Fiscal 2018 Proposed Projects**  
**In Maryland Association of Community Colleges Priority Order**  
(\$ in Millions)

<u>Ranking</u>	<u>Community College</u>	<u>Project Name</u>	<u>Project Phase</u>	<u>Pre-authorized 2016 MCCBL</u>	<u>New Funding</u>	<u>Total Funds 2018</u>	<u>Pre-authorized 2019</u>
3	Montgomery	New Student Center	Construction	\$19.856	-\$10.986	\$8.870	\$9.038
4	Prince George's	Queen Anne Fine Arts Renovation	Completion	17.288	-4.975	12.313	9.000
1	Baltimore	Health Careers and Technology Building	Design	5.000	0.000	5.000	9.300
11	Baltimore	Wellness and Athletics Center	Design+		0.230	0.230	
14	Harford	Fallston Hall Renovation	Design		0.309	0.309	
16	Baltimore	Multi-building Roof Replacement	Design+		0.350	0.350	
15	Hagerstown	Student Center Parking Lot	Design+		0.448	0.448	
9	Chesapeake	Chiller and Roof Replacement	Construction		0.646	0.646	
7	Hagerstown	SMART House/Energy Efficiency	Design+		1.088	1.088	
2	Frederick	Monroe Center Renovation	Completion	0.681	1.106	1.787	
12	Southern Maryland	Hughesville Health Sciences Center	Design		1.671	1.671	
17	Prince George's	Marlboro Hall Renovation and Addition	Design		2.065	2.065	2.065
10	Montgomery	Takoma Park Math and Science Center	Design		2.097	2.097	2.097
13	Montgomery	Germantown Science and Applied Studies Building	Completion		2.456	2.456	
5	Allegany	Technologies Building Phase 1	Design+		2.487	2.487	
8	Anne Arundel	Health Sciences and Biology Building	Design+		6.843	6.843	
6	Howard	Renovations to N and ST Buildings	Construction		9.592	9.592	9.560
<b>Total</b>				<b>\$42.825</b>	<b>\$15.427</b>	<b>\$58.252</b>	<b>\$41.060</b>
<b>Program Balance/Surplus as Introduced</b>						<b>-\$2.000</b>	
<b>Total Governor's Proposed Budget</b>						<b>\$56.252</b>	

MCCBL: Maryland Consolidated Capital Bond Loan

Note: Total funds authorized in fiscal 2018 are less than the amounts pre-authorized due to revised cash flow directions resulting from updated project schedules.

Source: Department of Budget and Management; Maryland Association of Community Colleges

## **Split Funding and Pre-authorizations**

The practice of split funding the construction phase of projects continues in fiscal 2018. Funding levels are based on project cash flow analyses by the Department of Budget and Management (DBM), meaning that project funding may be divided over a number of fiscal years to provide funding only as needed to service the construction contract for the project to stay on schedule. This is a common practice for large capital projects, and six community college projects introduced in the fiscal 2018 capital budget bill are split funded.

Pre-authorizations signal intent from the State that more funding is forthcoming to complete a project, which enable institutions to sign multi-year contracts with construction services vendors. The pre-authorizations for fiscal 2019 total \$41.1 million, or 68.4%, of the 2017 CIP's \$60.0 million for community colleges in that year. This leaves only \$18.9 million in total funding for new projects or contingencies. To put this into perspective, the projects funded in fiscal 2018 are estimated to receive an additional \$221.5 million of future State funding support. While this can be spread out over two to three fiscal years based on project schedules, it leaves little room to accommodate new projects, even at the General Assembly requested \$80.0 million funding level. The MACC model will be pressed to determine the most effective use of the limited funding after accounting for funds dedicated to projects through pre-authorizations. Large capital projects, such as those recently seen at Montgomery College and Prince George's Community College (PGCC), will be under increasing scrutiny with less GO bonds programmed in the five-year CIP than what was requested by the committees. It will be more difficult for the State to support such large facilities across all campuses. Part of the reason that 17 projects are possible in fiscal 2018 is because the fiscal 2018 funding for 2 of the largest projects in the CIP came in lower than anticipated due to revised cash flows, as is shown in Exhibit 2.

The rising costs of individual community college projects risks crowding out support for projects at smaller colleges. There are eight projects that cost about \$7.0 million or less and nine projects that range in cost from \$31.4 million up to \$119.9 million. Some of the smaller projects are replacing roofs or specific pieces of a building's mechanical systems, whereas the larger projects are generally constructing state-of-the-art academic buildings. Five projects are \$75.0 million or more, and Anne Arundel Community College's Health Science and Biology Building is approximately \$120.0 million, making it the first community college project to cost over \$100.0 million. The State share of this project, 50%, is more than total State support to all community colleges in fiscal 2018. While this match will be spread over several fiscal years, it ties up a large portion of State support.

## **Fiscal 2018 Capital Projects**

- ***Allegany County – Technology Building Renovation Phase 1 – Fiscal 2018 Amount: \$2.5 Million for Design and Construction:*** Funding is included to continue design and begin construction of renovations to the lobby of the Technology Building, which has not been renovated since it was built in 1975. This project will create coherence between six different floor levels, rectify Americans with Disabilities Act (ADA) issues, and upgrade buildingwide infrastructure. This includes updating the fire suppression system, replacing boilers and

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electrical switchgear, and improving mobility through certain building spaces that are currently cramped and underutilized. The college envisions a larger renovation project to the two main classroom areas in this building but that will be a separate, future capital project. The State's total contribution is programmed at 69.2%, or \$2.6 million, of the total project cost. Design began in July 2016 and will finish in April 2017, with construction running from September 2017 to December 2018. The project will construct 1,644 net assignable square feet (NASF) to create a two-story elevator lobby.

- ***Anne Arundel County – Health Science and Biology Building – Fiscal 2018 Amount: \$6.8 Million for Design and Construction:*** Funding is provided to begin design and construction of the new Health Science and Biology Building to centralize 21 academic programs and the Department of Biology into one massive state-of-the-art health sciences and biology building with sufficient space to handle anticipated enrollment growth. This is a very large project as the scope now includes the biology department, which otherwise would have been a part of a separate capital project. The college reports that combining the two buildings into one larger building is the more cost-effective option. The primary focus of this facility is laboratory space for science classes. Because of the compact nature of the college's campus, this project will require the demolition of the Lila R. Schwartz building (constructed in 1990), a wing of the physical education building, which contains the natatorium, and a portion of a parking lot.

The estimated total project cost is \$119.9 million with the State contribution set at 50.0%, or \$59.9 million. In addition to the State's fiscal 2018 authorization, the current out-year commitment would provide another \$53.1 million for construction and equipment. Design and construction is split funded based on the estimated cash flow, schedule, and project scope. Design is to begin in July 2017 and is scheduled to conclude in November 2018 to provide enough time to design a very large and complex science building. Construction is scheduled to last from July 2019 through January 2022. This project is currently estimated to construct 106,188 NASF, consisting of 54,830 NASF of class laboratory space, 19,218 NASF of office space, 17,340 NASF of classroom space, and 14,800 NASF for other purposes.

- ***Baltimore County – Addition to Wellness and Athletics Center – Fiscal 2018 Amount: \$0.2 Million for Design:*** Funding is provided to begin design of a new addition and renovation to the Wellness and Athletics Center on the Essex campus of the Community College of Baltimore City (CCBC). This will create two new large dance studios, a restroom, and two faculty offices. It will also renovate the existing corridors and lobbies of the Athletics Center to reduce bottlenecks and increase lobby space to improve space efficiency. This project will ensure that the dance program maintains its accreditation and maximizes the use of space within the building. The project will also update obsolete building systems such as air handling units and interior water piping.

The estimated total project cost is \$6.3 million with the State contribution set at 50.0%, or \$3.1 million. In addition to the State's fiscal 2018 authorization, the current out-year commitment would provide another \$2.9 million for construction and equipment. Design is to

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begin in July 2017 and is scheduled to conclude in February 2018. Construction is scheduled to last from June 2018 through August 2019. This project is currently estimated to construct 6,100 NASF and renovate 7,000 NASF, consisting of 7,019 NASF of meeting space, 3,302 NASF of classroom space, and 2,609 NASF of office space.

- ***Baltimore County – Health Careers and Technology Building – Fiscal 2018 Amount: \$5.0 Million for Construction:*** Funding is provided in fiscal 2018 to continue construction and sitework for the new Health Careers and Technology Building, formerly the N Building, on the Essex campus of CCBC; design funding was split funded based on the project schedule over two years. It is currently the home of the School for the Health Professions. Originally, this renovation and addition project was to include science laboratories, lecture space, and faculty offices. However, during the design process, significant building damage was uncovered from water infiltration due to a failing building envelope. Instead of renovating about 33,000 NASF and constructing an addition of 42,000 NASF, the college will now build a completely new building with 73,000 NASF. This is completely different from the previously approved program plan. Classes will continue to be held in the old building until the new building is complete.

Baltimore County has committed \$30.4 million for this project, up about \$2.1 million from one year ago. State support is 48.0%, or \$28.1 million. This is down about \$0.8 million from total State support one year ago. Most State support, \$20.2 million, is programmed for fiscal 2019 and 2020. Design for the new building began in January 2017 and will conclude in December 2017. During the 2015 session, the county agreed to forward fund the design phase for the original renovation project with county funds, which freed up funding that was then applied to a separate project, the Hilton Mansion Rehabilitation. The county forward funding kept the original project's design phase on schedule, but now that has been discarded. Construction will last from March 2018 through March 2020. This project constructs 73,122 NASF on the CCBC Essex campus. Of the total space, 32,855 NASF is laboratory space, 17,604 NASF is office space, and 16,609 NASF is classroom space.

- ***Baltimore County – Multiple Building Roof Replacements – Fiscal 2018 Amount: \$0.4 Million for Design and Construction:*** Funding is provided to begin design and construction of three new roofs for structures on the Dundalk and Catonsville campuses of CCBC. The scope of this project includes the removal and replacement of roofs of the Roy N. Staten and Wellness and Athletics Buildings at CCBC – Dundalk. The Staten building has its original roof membrane from 1991, while the Wellness building's roof dates to 1989. The roof of the Children's Learning Center at CCBC – Catonsville will also be replaced, which dates to 1992. Each roof will be removed, and any repair work and insulation needed under the roof will be performed. The replacement roofs will extend the useful lives of these three facilities and will come with 20-year no dollar limit guarantees. All three buildings are heavily used by students, faculty, and staff for various purposes. CCBC has indicated it will pursue State support for additional roof replacements in out-years.



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The estimated total project cost is \$3.1 million with the State contribution set at 43.5%, or \$1.4 million. In addition to the State's fiscal 2018 authorization, the State has previously committed \$1.0 million toward this project. Design is to begin in June 2017 and conclude in March 2018. Construction is scheduled to last from June 2018 through December 2018. This project does not construct or modify any new NASF.

- ***Frederick County – Monroe Center Renovation – Fiscal 2018 Amount: \$1.8 Million for Construction and Equipment:*** Funding is included to continue construction and begin equipping of the renovations of the 55,000 gross square feet (GSF) Monroe Center that was purchased by Frederick County in 2007. Frederick Community College owns 42,000 GSF of the building, while the county owns the remainder. Funds for this project will be used only for the college's space. This project will reconfigure the former factory's large hallways and temporary walls, which in 2007 had been hastily reconfigured upon acquisition, into modern learning spaces for workforce development programs including welding, carpentry, manufacturing, and veterinary assistance.

The State's total contribution is programmed at 59.0%, or \$4.0 million, of the total project cost. While design began in July 2015 and finished October 2016, with construction running from November 2016 to September 2017, design took six months longer than projected from one year ago, although construction is planned to be only four months later than anticipated. The project will renovate 31,500 NASF to create modern space consisting of 17,200 NASF of class laboratories space; 4,200 NASF for classroom space; and the remainder spread across various functions such as office space, storage space, and mechanical systems.

- ***Harford County – Fallston Hall Renovations – Fiscal 2018 Amount: \$0.3 Million for Design:*** Funding is included to begin construction of the renovations of 24,728 GSF within Fallston Hall to house the Behavioral and Social Sciences and Education and Transitional Sciences. The project will not add any new space to the building but will correct several deficiencies, such as sloping floors, and convert more space into classroom space. Some space in Fallston Hall has been vacated due to another facility opening on campus, which will allow the consolidation of the academic departments mentioned above in Fallston Hall. Additionally, the fire alarm system, electrical system, and plumbing systems will all be updated.

The State's total contribution is programmed at 52.8%, or \$3.8 million, of the total project cost. In addition to the State's fiscal 2018 authorization, the current out-year commitment would provide another \$3.5 million in fiscal 2019 for construction and equipment. Design will begin in July 2017 and finish in July 2018, with construction running from December 2017 to December 2019. The project will renovate 15,309 NASF to create modern space consisting of 10,541 NASF of classroom space and 3,994 NASF of office space.

- ***Howard County – Renovations to N and ST Buildings – Fiscal 2018 Amount: \$9.6 Million for Construction:*** Funding is included to begin construction of the renovations of 107,000 GSF within N and ST buildings, which were built in 1976 and 1989, respectively. Due to completion of two recent capital projects at this college, the N and ST buildings have been vacated and are

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ready for renovations. This project will convert old lab and science classrooms into more conventional and modern instruction space. The project will also upgrade building infrastructure and improve acoustics, accessibility, and energy efficiency.

The State's total contribution is programmed at 48.5%, or \$20.9 million, of the total project cost. In addition to the State's fiscal 2018 authorization, the current out-year commitment would provide another \$9.8 million in fiscal 2019 for construction and equipment. Design began in December 2014 and finished in November 2016, with construction planned from July 2017 to March 2019. State support for construction is split funded based on the estimated cash flow. The project will renovate 62,278 NASF to create modern space consisting of 24,399 NASF of office space, 14,574 NASF of class lab space, and 9,677 NASF of general classroom space.

- **Montgomery County – Math and Science Center – Fiscal 2018 Amount: \$2.1 Million for Design:** Funding is provided to begin design of a new 77,000 NASF Math and Science Center at Montgomery College's campus in Takoma Park. This will require the demolition of Falcon Hall and the Science South Building to provide an adequate footprint for construction. The primary focus of this facility is to house and support all science, technology, engineering, and mathematics programs in one location, as well as general education classes required by all students.

The estimated total project cost is \$83.4 million with the State contribution set at 50.0%, or \$41.9 million. In addition to the State's fiscal 2017 authorization, the current out-year commitment would provide another \$39.8 million for construction and equipment. DBM raised concerns about excessive architect and engineering (A/E) fees charged in this project. While the demolition and site work will make this a more challenging project, the college requested A/E fees of 15.0%, nearly double the normal rate of 8.0%. The budget provides for 12.2%. Design is to begin in September 2017 and is scheduled to conclude in September 2019. Construction is scheduled to last from July 2020 through January 2023. This project constructs 76,790 NASF, consisting of 42,955 NASF of class lab space, 14,090 NASF of office space, and 10,155 NASF of classroom space.

- **Montgomery County – Rockville Student Services Center – Fiscal 2018 Amount: \$8.9 Million for Construction:** Funding is provided to continue construction of the new Student Services Center to centralize student administrative services into a "one-stop shop" at Montgomery College's largest campus in Rockville. The primary focus of this facility is administrative rather than academic. It unifies admissions, registration, financial aid, and the bursar and also provides training and assessment space typical of a student center. The project will also house the School of Education, central utilities for the campus, and the information technology hub for the campus. This project immediately follows the Rockville Science Center and Rockville Sciences East projects.

The estimated total project cost is \$75.3 million with the State contribution set at 47.2%, or \$35.5 million, down slightly from the year before. In addition to the State's fiscal 2018

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authorization, the current out-year commitment would provide another \$13.6 million for construction and equipment. Construction was split funded based on the estimated cash flow and schedule, with the county to match the majority of funding in fiscal 2017 and the State the majority of funding in fiscal 2018. Design began in July 2014 and concluded in January 2017. Construction is scheduled to last from April 2017 through April 2019. The design and construction phases of this project have both slipped by six to seven months, reducing the total need for State support in fiscal 2018. This project constructs 70,960 NASF, consisting of 43,522 NASF of office and meeting space, 14,331 NASF of class laboratory space, and 8,137 NASF of meeting space.

- ***Montgomery County – Science and Applied Studies Building Renovation and Addition – Fiscal 2018 Amount: \$2.5 Million for Equipment:*** Funding is provided to equip the renovation and addition to Rockville Sciences West. Construction was split funded over fiscal 2016 and 2017 based on the estimated cash flow and schedule. Classrooms and class laboratories in the current facility are not conducive to current teaching methods, and the infrastructure is not able to support the technology load required of the science and math courses offered in the building. The project is being coordinated with Rockville Science Center and Rockville Sciences East projects. This project involves renovating and expanding a new third floor and addressing space shortages in a building dating from 1978 on the Germantown campus. Renovated space in this building will house Student Services until a new Student Services Center is constructed, which was first included in the 2016 CIP.

The estimated total project cost is \$40.7 million with the State contribution set at 48.5%, or \$19.7 million, nearly identical to the prior CIP. Design began in June 2013 and finished three months late in September 2015. The construction start date was delayed from September 2015 to June 2016 and will now conclude in June 2018, rather than September 2017, effectively a year later. This project renovates 14,601 NASF and constructs 34,589 NASF. Of the total space, 24,656 NASF is class laboratory space, 22,807 NASF is general space, and 4,464 NASF is office space.

- ***Prince George’s County – Marlboro Hall Renovation and Addition – Fiscal 2018 Amount: \$2.1 Million for Design:*** The capital budget includes \$2.1 million in funding to begin design of renovations and an addition to Marlboro Hall at PGCC. The original building design from 1976 is very poor, including such inefficient features as diagonal, rather than perpendicular, hallways and has never been renovated. The renovation component of this project includes rationalizing the interior of the building to create more inviting spaces, as well as extensive exterior masonry and foundation work, and replacing chillers, air handling units, and windows. The main goal of this project is not to add classroom space but rather to expand existing classrooms to the size allowed by State guidelines.

The estimated total project cost is \$82.1 million with the State contribution set at 60.8%, or \$47.8 million. In addition to the State’s fiscal 2018 authorization, the current out-year commitment would provide another \$47.8 million for construction and equipment. Scope changes have already reduced the project by \$11.8 million and 22,600 GSF. However, PGCC’s

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current renovation and expansion of Queen Anne’s Hall also suffered from increasing costs despite, according to the college, value engineering occurring. Design is scheduled to begin in August 2017 and finish in April 2019. Construction is scheduled to begin in August 2019 and will run through August 2022. This project renovates 77,761 NASF and adds 50,239 NASF. Of that amount, 53,445 NASF is class laboratory space, 52,490 NASF is office space, and 32,608 NASF is classroom space.

- ***Prince George’s County – Queen Anne’s Academic Center Renovation and Addition – Fiscal 2018 Amount: \$12.3 Million for Construction:*** The capital budget includes funding to continue construction of the new music and performing arts building at PGCC. The current facility is an auditorium that is underutilized and lacks purpose. This makes it inadequate given the programs’ current enrollment levels and teaching methods required for arts education. The facility is not ADA-compliant and also has failing physical infrastructure. This project is split funded due to its very large size. The overall cost of the building increased 16.8% since design started, even though this is a renovation and addition project rather than an entirely new construction project. This project’s higher costs call into question PGCC’s original assessment that a new building would, in fact, be more expensive. Additionally, the State should be particularly concerned when cost overruns are this large, as this project will crowd out other community college facilities projects in the out-years at the same time that PGCC has another large project just starting, Marlboro Hall renovations.

The estimated total project cost is \$87.0 million with the State contribution set at 57.4%, or \$49.9 million. The total project cost is down \$1.0 million from one year ago, but the State share remains the same. In addition to the State’s fiscal 2018 authorization, the current out-year commitment would provide another \$9.0 million in fiscal 2019 for construction and equipment. A revised cash flow for this project indicates that construction will not finish in fiscal 2018 and may instead be pre-authorized for fiscal 2019. Design began in January 2014 and finished in October 2015. Construction began in June 2016 and was scheduled to run through June 2018. This project renovates 22,852 NASF and adds 77,536 NASF. Of that amount, 42,956 NASF is laboratory space, 28,054 NASF is general use space, and 13,313 NASF is classroom space.

- ***Regional – Chesapeake Chiller and Roof Replacement – Fiscal 2018 Amount: \$0.7 Million for Construction:*** Funding is included for construction to replace the chiller unit and roof on the Todd Performing Arts Center. The current chiller unit and roof have exceeded their useful life terms. Parts are no longer available to repair the chiller unit, and the roof is leaking. The new chiller will save the college about \$5,000 a year in utilities due to increased efficiency, and the new roof will have a lifespan of at least 15 years. The State’s total contribution is programmed at 75.0%, or \$0.7 million, of the total project cost. There is no design component to this project. Construction will run from July 2017 through November 2017. The project does not alter the NASF of the building.
- ***Regional – College of Southern Maryland Hughesville Health Sciences Center – Fiscal 2018 Amount: \$1.7 Million for Design:*** Funding is included to begin design of the new Health Science Center on the Hughesville campus of the College of Southern Maryland. This will be only the second building on the Hughesville campus, and the three Southern Maryland counties

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are currently developing a public transit hub nearby to service this new campus. The new facility will allow the college to centralize health-related course offerings in areas such as nursing. The College of Southern Maryland chose Hughesville as this building's location because of the high employment potential nearby and because it is geographically convenient for students to commute to/from across the college's service area.

The State's total contribution is programmed at 75.0%, or \$23.6 million, of the total project cost. In addition to the State's fiscal 2018 authorization, the current out-year commitment would provide another \$21.9 million in 2020 for construction and equipment, although it is possible for the local matching funds to begin construction in fiscal 2019, in which case the cash flow of construction for this project would need to be reevaluated. Design will run from August 2017 through December 2018, with construction running from June 2018 through December 2019. This project constructs 30,730 NASF, including 16,260 NASF of class lab space, 5,610 NASF of office space, and 4,100 NASF of meeting space.

- ***Washington County – SMART House/Energy Efficiency Training Center – Fiscal 2018 Amount: \$1.1 Million for Construction and Equipment:*** Funding is included to begin construction and equipping of a new laboratory and job training facility for students to have hands-on practice in energy technologies and application tools. Students will learn practical applications and trade-related skills for careers in commercial and residential settings, including solar and wind power systems. The structure will have three 900 NASF flexible lab spaces with various ceiling heights. There will also be a detached garage for storage of equipment and tools, such as solar panels. This will be the first dedicated space for green power training in Maryland.

The State's total contribution is programmed at 60.2%, or \$1.1 million, of the total project cost. Design began in July 2014 and will finish in July 2017, with construction running from July 2017 to June 2018. The project will construct 2,703 NASF of laboratory and job training space and 500 NASF of storage space.

- ***Washington County – Student Center Parking Lot – Fiscal 2018 Amount: \$0.4 Million for Design and Construction:*** Funding is included to begin design and construction of a new 100-space parking lot adjacent to the new Student Center. The lot is designed for mixed use of both students and staff and will include both handicap spaces and short-term parking spaces. While the cost per parking space comes out to about \$7,000, the building site is on an incline and also includes new walkways, lighting, and, if necessary, a storm water retention pond. As there are moderate slopes between the Student Center and existing parking lots, the new parking lot will make the Student Center much more accessible to movement-impaired students and visitors.

The State's total contribution is programmed at 64.4%, or \$0.4 million, of the total project cost. Design will run from July 2017 through February 2018, with construction running from March 2018 through June 2018. This project creates no NASF.

## ***GO Bond Recommended Actions***

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1. Approve \$56.3 million in general obligation bonds for the Community College Facilities Grant Program.
2. Approve the pre-authorization for \$41.1 million in general obligation bonds for fiscal 2019 for the Community College Facilities Grant Program.
3. Approve the pre-authorization for \$9.1 million in general obligation bonds for fiscal 2020 for the Community College Facilities Grant Program.