

VIRGINIA TECH
FISCAL YEAR 2016
CAPITAL OUTLAY PROJECT AUTHORIZATIONS
as of May 31, 2015

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(1) This report includes expenses as of May 31, 2015. Thus, the estimated expenses for FY2015, and the current balance on June 30, 2015, may vary slightly depending on the level of expenses recorded during June 2015.

EDUCATIONAL AND GENERAL CAPITAL PROJECT AUTHORIZATIONS FOR FISCAL YEAR 2016

(Dollars in Thousands)

as of May 31, 2015

	TOTAL PROJECT AUTHORIZATION					ESTIMATED TOTAL EXPENSES June 30, 2015	ESTIMATED BALANCE AVAILABLE FOR FY2016	ESTIMATED ANNUAL BUDGET FY2016	ESTIMATED BALANCE AT CLOSE OF FY2016
	STATE SUPPORT	GENERAL OBLIGATION BONDS	NONGENERAL FUND	AGENCY DEBT	TOTAL				
<u>Educational and General Projects</u>									
<u>Educational and General Maintenance Reserve</u>									
Maintenance Reserve	\$ 17,728	\$ 0	\$ 0	\$ 0	\$ 17,728	\$ 7,095	\$ 10,633	\$ 9,038	\$ 1,595
<u>Design Phase</u>									
Academic Buildings Renewal	27,389	0	0	0	27,389	1,853	25,536	6,750	18,786
Improve Kentland Facilities (229)	7,510	0	0	0	7,510	400	7,110	1,020	6,090
<u>Construction Phase</u>									
Address Fire Alarms and Access Classroom Building	4,891	0	0	0	4,891	2,012	2,879	2,140	739
Marching Virginians Practice Facility	42,652	0	0	0	42,652	12,646	30,006	24,000	6,006
McBryde 100 Classroom Renovation	0	0	4,750	0	4,750	3,489	1,261	1,261	0
	0	0	2,800	0	2,800	500	2,300	2,300	0
<u>Close-Out</u>									
Human & Agricultural Biosciences Building I (229)	53,759	0	0	0	53,759	53,550	209	209	0
Renovate Davidson Hall, Phase I	32,003	0	0	0	32,003	31,663	340	340	0
Signature Engineering Building	47,609	0	18,650	28,959	95,218	91,825	3,393	3,393	0
Total Educational and General Projects	\$ 233,541	\$ 0	\$ 26,200	\$ 28,959	\$ 288,700	\$ 205,034	\$ 83,667	\$ 50,451	\$ 33,216

AUXILIARY ENTERPRISE CAPITAL PROJECT AUTHORIZATIONS FOR FISCAL YEAR 2016

(Dollars in Thousands)

as of May 31, 2015

	TOTAL PROJECT BUDGET AUTHORIZATION					ESTIMATED TOTAL EXPENSES June 30, 2015	ESTIMATED BALANCE AVAILABLE FOR FY2016	ESTIMATED ANNUAL BUDGET FY2016	ESTIMATED BALANCE AT CLOSE OF FY2016
	STATE SUPPORT	GENERAL OBLIGATION BONDS	NONGENERAL FUND	AGENCY DEBT	TOTAL				
<u>Auxiliary Enterprises Projects</u>									
<u>Auxiliary Maintenance Reserve</u>									
Maintenance Reserve	\$ 0	\$ 0	\$ 20,873	\$ 0	\$ 20,873	\$ 0	\$ 20,873	\$ 7,000	\$ 13,873
<u>Design Phase</u>									
Airport Hanger	0	0	2,520	0	2,520	62	2,458	2,000	458
Health Center Improvements	0	0	0	3,071	3,071	190	2,881	1,100	1,781
Planning: Softball and Track Improvements	0	0	500	0	500	10	490	490	0
<u>Construction Phase</u>									
Lane Substation Expansion	0	0	2,000	4,500	6,500	0	6,500	2,000	4,500
Residential Connectivity	0	0	4,000	0	4,000	2,309	1,691	1,691	0
Unified Communications and Network Renewal	0	0	7,705	8,803	16,508	12,349	4,159	1,500	2,659
Upper Quad Residential Facilities	0	0	23,377	67,623	91,000	35,997	55,003	46,753	8,250
<u>Close-Out Phase</u>									
Indoor Athletic Training Facility	0	0	21,300	3,700	25,000	20,119	4,881	1,181	3,700
South Recreation Field Surface Replacement	0	0	0	4,600	4,600	3,434	1,166	276	890
<u>On Hold and Not Funded</u>									
New Residence Hall II	0	0	0	27,000	27,000	182	26,818	0	26,818
Parking Blanket Authorizations Balance	0	0	0	16,547	16,547	0	16,547	0	16,547
Phase IV Oak Lane Community	0	0	0	17,518	17,518	0	17,518	0	17,518
Total Auxiliary Enterprise Projects	\$ 0	\$ 0	\$ 82,275	\$ 153,362	\$ 235,637	\$ 74,652	\$ 160,985	\$ 63,991	\$ 96,995
GRAND TOTAL ALL CAPITAL PROJECTS	<u>\$ 233,541</u>	<u>\$ 0</u>	<u>\$ 108,475</u>	<u>\$ 182,321</u>	<u>\$ 524,338</u>	<u>\$ 279,686</u>	<u>\$ 244,652</u>	<u>\$ 114,442</u>	<u>\$ 130,210</u>

NARRATIVE DESCRIPTIONS OF CAPITAL PROJECTS

Educational and General Projects

Maintenance Reserve: Since 1982, the Commonwealth has allocated General Fund support for preserving and extending the useful life of state-owned E&G facilities. This ongoing project covers a wide range of building and campus infrastructure repair and replacement work.

Academic Buildings Renewal: This project is for the renovation and renewal of three academic buildings located within central campus on the drillfield: Sandy Hall, Davidson Hall Phase II, and the Liberal Arts Building.

Improve Kentland Facilities (229): This project is for the replacement of several dairy science research facilities with modern agricultural facilities that meet the needs of research projects that support industry and government.

Address Fire Alarms and Access: This project is for the needed health, safety, and accessibility improvements in several E&G facilities on campus including Randolph Hall, War Memorial Hall, Food Science and Technology Building, Norris Hall, Newman Library, Lane Hall, Patton Hall, Litton Reaves Hall, Whittemore Hall, Architecture Annex, and Wallace Annex.

Classroom Building: This project is for the construction of a 73,000 gross square foot state of the art classroom building. This project is under construction and will be completed summer 2016.

Marching Virginians Practice Facility: This project will construct a facility to accommodate the practice needs of the Marching Virginians that includes a practice facility, a covered open air pavilion, and an artificial turf field. This project is under construction and will be completed in summer 2015.

McBryde 100 Classroom Renovation: This project will renovate the 5,900 gross square foot, 560 seat McBryde 100 Classroom and create a state of the art learning environment. The project is under construction and expected to be ready for use in the fall 2015 academic semester.

Human and Agricultural Biosciences Building I (229): This project constructed a laboratory building to provide expanded, modern research space to meet the needs of animal and plant science research by the Agricultural Experiment Station in the College of Agriculture and Life Sciences. The project was completed in January 2014 and will be closed when final invoices are paid.

Renovate Davidson Hall: This project is for the first phase of the renovation of Davidson Hall, which is envisioned to raze and fully replace the unrecoverable center and north section of the building. This project was completed in June 2014 and will be closed when final invoices are paid.

Signature Engineering Building: This project constructed a 154,900 gross square foot classroom and laboratory facility for undergraduate and research programs in the College of Engineering. This project was completed in June 2014 and will be closed when final invoices are paid.

Auxiliary Enterprise Projects

(The following projects are supported by revenues from auxiliary enterprise operations and private gifts donated for specific uses.)

Maintenance Reserve: The auxiliary Maintenance Reserve program was initiated in 1994 to preserve and extend the useful life of auxiliary enterprise facilities. The program covers 93 assets with a total replacement value of \$1 billion. This project covers a wide range of building infrastructure repair and replacement work. The resources to support this program are provided by the auxiliary units. The estimated balance at the end of fiscal year 2016 is restricted for future projects identified to be completed over the next five years.

Airport Hanger: This project will design, construct, install necessary utilities, and equip a 14,000 gross square foot building with the capacity to house two planes and to provide interior office spaces for pilots. The existing hangar will be razed at a later time as part of the future runway extension project

Health Center Improvements: This project will construct a 3,500 gross square feet one story addition to the east wing of McComas Hall and a renovation of 1,700 gross square feet to an interior portion of the existing Schiffert Health Center.

Softball and Track Improvements Planning: This project will develop a permanent solution for softball hitting practice and a long-term solution for Rector Field House serviceability for the track and field programs. The planning authorization will cover establishing a scope, schedule, delivery method, preliminary design efforts, cost, and funding plan for a complete solution.

Lane Substation Expansion: The substation expansion will be located adjacent to the existing Lane Substation on Innovation Drive. The improvements will double the capacity of the substation and cover expected campus and Corporate Research Center growth for approximately 20 years.

Residential Connectivity: This project will installing necessary components for wireless network transmission through approximately 2,000 wireless access points in thirty-eight residence halls. The project also updates the residential wired network infrastructure to accommodate the increased demand on the network from wireless devices.

Unified Communications and Network Renewal: This project includes improvements to four complementary communication infrastructure components. The four components include a unified communications system, upgrading the Internet Protocol (IP) Network, upgrading the cable plant, and upgrading equipment rooms in various facilities. This work for this project is underway and is anticipated to be complete in spring 2017.

Upper Quad Residential Facilities: This project replaces Rasche and Brodie with two new residential facilities and razes Thomas and Monteith. The project is under construction and is anticipated to be complete by fall semester 2016 based on an anticipated three year construction schedule.

Indoor Athletic Training Facility: This project built a new field house to increase the availability of indoor training time for the football program and other athletic programs. The project will be closed when final invoices are paid.

South Recreation Field Surface Replacement: This project replaces of the remaining natural turf south recreation field surface with a synthetic turf playing surface. The project creates a multi-purpose area that may be arranged as six flag football fields, or six soccer fields, or four 300-foot softball fields. The south recreation field area will be fenced and lit. A nine foot path will be constructed around the field to allow for maintenance vehicle traffic and to create a jogging/walking path.

New Residence Hall II: This project envisions a new residence hall of approximately 250 beds. Cost estimates exceed the project budget and the project is on hold while the university explores alternatives. Funding for the project may be considered pending a program plan and financial plan.

Parking Blanket Authorizations Balance: The purpose of this unfunded parking blanket authorization balance is to complete future improvements and repair projects for the parking system as specific needs are identified and as funding becomes available.

Phase IV Oak Lane Community Remaining Authorization: This is the remaining authorization of the \$23.5 million Oak Lane Community, Phase IV project. The remaining Oak Lane Community expansion, houses two through five and their necessary site improvements, may be constructed as organizations come forward with plans and commitments for their one-third funding requirement per house.

CAPITAL PROJECTS TARGETED TO CLOSE IN FISCAL YEAR 2015

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as of May 31, 2015

	TOTAL PROJECT AUTHORIZATION				ESTIMATED TOTAL EXPENSES June 30, 2015	ESTIMATED UNUSED AUTHORIZATION BALANCE June 30, 2015	
	STATE SUPPORT	GENERAL OBLIGATION BONDS	NONGENERAL FUND	AGENCY DEBT			TOTAL BUDGET
<u>Educational and General Projects</u>							
Academic and Student Affairs Building	\$0	\$0	\$0	\$45,153	\$45,153	\$44,291	\$862
Chiller Plant, Phase I	12,059	0	400	7,639	20,098	19,763	335
Performing Arts Center	27,387	0	32,565	40,135	100,087	99,297	790
Total Educational and General Projects	<u>\$39,445</u>	<u>\$0</u>	<u>\$32,965</u>	<u>\$92,927</u>	<u>\$165,338</u>	<u>\$163,351</u>	<u>\$1,986</u>
<u>Auxiliary Enterprises Projects</u>							
Phase IV of Oak Lane Community (House 1)	\$0	\$0	\$5,982	\$0	\$5,982	\$5,982	\$0
Total Auxiliary Enterprise Projects	<u>\$0</u>	<u>\$0</u>	<u>\$5,982</u>	<u>\$0</u>	<u>\$5,982</u>	<u>\$5,982</u>	<u>\$0</u>
Total Projects Closed in Fiscal Year 2014	<u><u>\$39,445</u></u>	<u><u>\$0</u></u>	<u><u>\$38,947</u></u>	<u><u>\$92,927</u></u>	<u><u>\$171,319</u></u>	<u><u>\$169,333</u></u>	<u><u>\$1,986</u></u>