

VIRGINIA TECH
2019-20
CAPITAL OUTLAY PROJECT AUTHORIZATIONS
as of May 31, 2019

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⁽¹⁾ This report includes expenses as of May 31, 2019. Thus, the estimated expenses for FY2020, and the current balance on June 30, 2019, may vary slightly depending on the level of expenses recorded during June 2019.

EDUCATIONAL AND GENERAL CAPITAL PROJECT AUTHORIZATIONS FOR FISCAL YEAR 2020

(Dollars in Thousands)

as of May 31, 2019

	TOTAL PROJECT AUTHORIZATION				ESTIMATED TOTAL EXPENSES June 30, 2019	ESTIMATED BALANCE AVAILABLE FOR FY2020	ESTIMATED ANNUAL BUDGET FY2020	ESTIMATED BALANCE AT CLOSE OF FY2020
	STATE SUPPORT	NONGENERAL FUND	AGENCY DEBT	TOTAL				
<u>Educational and General Projects</u>								
<u>Design Phase</u>								
Agriculture Production Facilities	\$ 22,136	\$ 0	\$ 0	\$ 22,136	\$ 885	\$ 21,251	\$ 5,000	\$ 16,251
Planning: Intelligent Infrastructure and Construction Complex	0	6,000	0	6,000	1,359	4,641	4,641	0
Planning: Undergraduate Science Laboratory Building	0	3,084	0	3,084	1,659	1,425	1,425	0
Data and Decision Sciences	69,000	0	10,000	79,000	0	79,000	2,800	76,200
Innovation Campus - Academic Building	168,000	0	107,000	275,000	0	275,000	5,500	269,500
Corps Leadership and Military Science Building	0	22,808	29,192	52,000	1,431	50,569	3,500	47,069
Construct Virginia Seafood AREC	2,500	0	0	2,500	-	2,500	2,500	0
Commonwealth Cyber Initiative	1,000	0	0	1,000	-	1,000	500	500
<u>Construction Phase</u>								
Maintenance Reserve	28,859	0	0	28,859	12,000	16,859	14,330	2,529
Improve Kentland Facilities	12,463	0	0	12,463	2,366	10,097	6,500	3,597
Renovate Undergraduate Science Laboratories	0	10,000	0	10,000	6,095	3,905	3,100	805
Health Sciences & Technology	51,554	0	40,142	91,696	44,464	47,232	34,000	13,232
Gas-Fired Boiler at the Central Steam Plant	0	8,200	0	8,200	3,524	4,676	2,600	2,076
Chiller Plant Phase II	32,655	0	10,312	42,968	5,592	37,375	10,000	27,375
Holden Hall Renovation	54,849	0	17,500	72,349	4,000	68,349	16,000	52,349
<u>Close-Out</u>								
Academic Buildings Renewal	35,029	0	0	35,029	32,830	2,199	2,199	0
Acquisition - Falls Church Property UVA Interest	0	0	8,230	8,230	8,230	0	0	0
Acquisition - Falls Church Property	0	0	2,850	2,850	0	2,850	0	2,850
Total Educational and General Projects	\$ 478,045	\$ 50,092	\$ 225,226	\$ 753,364	\$ 124,435	\$ 628,929	\$ 114,595	\$ 514,334

AUXILIARY ENTERPRISE CAPITAL PROJECT AUTHORIZATIONS FOR FISCAL YEAR 2020

(Dollars in Thousands)

as of May 31, 2019

	<u>TOTAL PROJECT BUDGET AUTHORIZATION</u>				<u>ESTIMATED TOTAL EXPENSES June 30, 2019</u>	<u>ESTIMATED BALANCE AVAILABLE FOR FY2020</u>	<u>ESTIMATED ANNUAL BUDGET FY2020</u>	<u>ESTIMATED BALANCE AT CLOSE OF FY2020</u>
	<u>STATE SUPPORT</u>	<u>NONGENERAL FUND</u>	<u>AGENCY DEBT</u>	<u>TOTAL</u>				
<u>Auxiliary Enterprises Projects</u>								
<u>Design Phase</u>								
Student Wellness Improvements	\$ 0	\$ 13,310	\$ 44,690	\$ 58,000	\$ 2,925	\$ 55,075	\$ 8,500	\$ 46,575
Dietrick First Floor and Plaza Renovation	0	5,000	3,300	8,300	330	7,970	3,000	4,970
Planning: Slusher Replacement Planning	0	3,500	-	3,500	53	3,447	3,447	0
Planning: Athletics Weight Room Renovation & Expansion	0	700	-	700	500	200	200	0
Global Business and Analytics Complex Residence Halls	0	0	84,000	84,000	0	84,000	1,800	82,200
New Upper Quad Residence Hall	0	0	33,000	33,000	0	33,000	800	32,200
<u>Construction Phase</u>								
Maintenance Reserve	0	12,000	0	12,000	0	12,000	12,000	0
Lane Substation Expansion	0	2,000	4,500	6,500	4,120	2,380	2,380	0
Creativity & Innovation District Residence Hall	0	15,880	89,620	105,500	11,000	94,500	20,000	74,500
Student-Athlete Performance Center	0	16,682	-	16,682	2,228	14,454	7,000	7,454
<u>Close-Out Phase</u>								
O'Shaughnessy Renovation	0	8,867	12,633	21,500	21,174	326	326	0
Athletic Facilities Improvements	0	37,500	0	37,500	35,965	1,535	1,035	500
Commonwealth Ballroom Improvements	0	3,246	0	3,246	2,914	332	332	0
ACC Network Studio	0	0	10,000	10,000	8,590	1,410	900	510
 Total Auxiliary Enterprise Projects	 \$0	 \$118,685	 \$281,743	 \$400,428	 \$89,800	 \$310,628	 \$61,719	 \$248,908
 GRAND TOTAL ALL CAPITAL PROJECTS	 <u>\$478,045</u>	 <u>\$168,777</u>	 <u>\$506,969</u>	 <u>\$1,153,791</u>	 <u>\$214,235</u>	 <u>\$939,557</u>	 <u>\$176,315</u>	 <u>\$763,242</u>

NARRATIVE DESCRIPTIONS OF CAPITAL PROJECTS

Educational and General Projects

Agriculture Production Facilities (229): This project is for the first of two phases to renew the existing facilities for the livestock and poultry programs. This first phase includes an approximate total scope of 126,000 gross square feet of facilities at the Blacksburg campus and three nearby university production and research farms.

Planning: Intelligent Infrastructure Destination Area: This project will plan the Intelligent Infrastructure and Human-Centered Communities Destination Area. The overall vision of the Destination Area includes university facility improvements that will be a multi-phased development occurring on the north side of campus, Plantation Road, and at the Virginia Tech Transportation Institute.

Planning: Undergraduate Science Laboratory Building: This project will design a new 102,000 gross square foot state of the art science laboratory building adjacent to the new Classroom Building and West Campus Drive.

Data and Decision Sciences: This project will design and construct a new 120,000 gross square foot instruction building.

Innovation Campus – Academic Building: This project is a new 300,000 gross square foot academic building as part of the Innovation Campus in Alexandria Virginia.

Corps Leadership and Military Science Building: This project will build a 75,500 gross square foot building to centralize and consolidate the Corps of Cadets and ROTC programs in the Upper Quad.

Construct Virginia Seafood AREC: Through a collaborative effort between the University, the Foundation, and the City of Hampton, the existing facility will be replaced with this new 15,000 gross square foot facility.

Commonwealth Cyber Initiative: This project makes improvements to support the Commonwealth Cyber Initiative Hub renovations, space enhancements, and equipment.

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.

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.

Renovate Undergraduate Science Laboratories: This project renovates approximately 20,800 square feet of undergraduate laboratories within Derring and Hahn Halls to accommodate the increased demand for introductory science laboratory coursework in biology, chemistry, physics, and microbiology.

Health Sciences & Technology: This project will be delivered by a Public Private Partnership and located adjacent from the existing Virginia Tech-Carilion Research Institute (VTCRI) facility in Roanoke, Virginia. The building will serve as a fully operational and contained biomedical research and education facility.

Gas-Fired Boiler at the Central Steam Plant: This project designs, purchases, and installs a new gas-fired boiler within the central steam plant.

Chiller Plant Phase II: This project continues the strategic infrastructure advancements initiated by the Chiller Plant, Phase I project. Phase II includes the upgrade of campus utility systems and addresses several strategic needs for shifting the campus to a lower resource consuming cooling service with improved redundancies.

Holden Hall Renovation: This project will renovate and expand Holden Hall to accommodate the instruction and research programs of Material Science Engineering, Mining/Mineral Engineering, and Computer Science Engineering. The final project would be 101,000 gross square feet of engineering instruction and research space to accommodate these high demand engineering fields.

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. This project is substantially complete.

Acquisition – Falls Church Property UVA Interest: This project acquires all of UVA's interest in the Falls Church Center.

Acquisition – Falls Church Property: This project acquires 5.33 acres adjoining the Falls Church Center owned by the City of Falls Church.

Auxiliary Enterprises Projects

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

Student Wellness Improvements: This project includes renovations and refurbishments to War Memorial and Schiffert Health Center in McComas Hall.

Dietrick First Floor and Plaza Renovation: This project includes refurbishing the first floor of Dietrick Hall, inserting a modern food service venue, enclosing a portion of the overhang, and improvements to the outdoor plaza.

Planning – Slusher Replacement: This planning project includes completing preliminary designs for the replacement of Slusher Hall. A subsequent request for full project funding may be submitted after designs are underway and a firm scope, cost, funding, and schedule for the entire project are determined.

Planning – Athletics Weight Room Renovation & Expansion: This planning project includes completing preliminary designs for the Athletics weight room renovation and expansion in the Merryman Center. A subsequent request for full project funding may be submitted after designs are underway and a firm scope, cost, funding, and schedule for the entire project are determined.

Global Business and Analytics Complex Residence Hall: This project is a new living-learning community with approximately 700 beds, including the Cranwell International Center.

New Upper Quad Residence Hall: This project includes demolishing Femoyer Hall and constructing a new 300 bed residence hall to accommodate the growing Corps of Cadets.

Maintenance Reserve: The auxiliary Maintenance Reserve program was initiated in 1994 to preserve and extend the useful life of auxiliary enterprise facilities. 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.

Lane Substation Expansion: The substation expansion is 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.

Creativity & Innovation District Residence Hall: This project is a new residential community with approximately 596 beds, including 176 beds for student-athletes, and academic collaborative spaces to support creativity and innovation programs.

Student-Athlete Performance Center: This project includes a complete renovation of the fourth floor of the Jamerson Center, construction of a balcony cantilevered from the fourth floor, and a new elevator tower.

O'Shaughnessy Renovation: This project updates the building's interior; bathrooms; mechanical, electrical, and plumbing systems; elevators; addressing other deferred maintenance items as needed; and install air conditioning. The project is complete and occupied since August 2018.

Athletic Improvements: This project includes improvements to Rector Field House and the Baseball Facilities. The project is complete and occupied since April 2018.

Commonwealth Ballroom Improvements: This project refurbishes and updates outdated and nonfunctioning lighting systems, stage systems, ceiling tiles, and air handlers. Installation of a Skyfold dividing wall will increase usage capabilities of the Commonwealth Ballroom. This project is substantially complete.

ACC Network Studio: This project includes improvements and expansion of broadcasting facilities to support the new ACC Network channel to be launched fall 2019.

CAPITAL PROJECTS TARGETED TO CLOSE IN FISCAL YEAR 2019

(\$000)

as of May 31, 2019

	TOTAL PROJECT AUTHORIZATION			ESTIMATED TOTAL EXPENSES June 30, 2019	ESTIMATED UNUSED AUTHORIZATION BALANCE June 30, 2019
	STATE SUPPORT	NONGENERAL FUND	AGENCY DEBT		
<u>Educational and General Projects</u>					
Address Fire Alarm Systems and Access	\$ 4,891	\$ 0	\$ 0	\$ 4,891	\$ 780
Biocomplexity Data Center	0	5,900	0	5,900	419
Eastern Shore AREC Storage Building	0	535	0	535	57
Total Educational and General Projects	4,891	6,435	0	11,326	1,256
<u>Auxiliary Enterprises Projects</u>					
Upper Quad Residential Facilities	0	35,671	53,029	88,700	511
Total Auxiliary Enterprise Projects	0	35,671	53,029	88,700	511
Total Projects Closed in Fiscal Year 2019	<u>\$4,891</u>	<u>\$42,106</u>	<u>\$53,029</u>	<u>\$98,259</u>	<u>\$1,767</u>