Capital Outlay Plan for 2012-2018

JOINT BUILDINGS AND GROUNDS COMMITTEE AND FINANCE AND AUDIT COMMITTEE

May 12, 2011

At its March 2011 meeting, the Board of Visitors considered a recommendation that a list of potential projects for inclusion in the 2012-2018 Capital Outlay Plan be approved and that the university be authorized to develop and submit a final plan to the state, in accordance with future guidance from the state and based on the projects in the approved list. The recommendation was approved, and the university has proceeded accordingly.

On April 15, 2011, the state issued instructions for the preparation and submission of the 2012-2018 Capital Outlay Plan and Maintenance Reserve requests. The deadline for submission of the Six Year Plan to the state is May 16, 2011.

In accordance with the state's traditional requirement of prioritizing projects for General Fund support over a six-year period, the university prepared and submitted the six-year capital outlay plan in the customary three biennia arrangement. Attachment A shows the full list of projects including those with General Fund support and those funded entirely with nongeneral fund resources. A brief narrative description of each project is shown on Attachment B. The projects in the first biennium may be used by the state to update its capital outlay plan (Chapter 46) and to make funding decisions in the 2012 General Assembly. The projects in the second and third biennia are for planning purposes only. This project arrangement reflects the needs of the university and positions the university with options to respond to various funding abilities of the state in the future. The projects are in priority order, and the cost estimates reflect escalation to a midpoint of construction based on the biennium.

The state has now fully moved to a phased review, approval, and appropriation method under which a project requesting General Fund resources may be reviewed and approved up to three times: pre-planning, detail planning, and full funding. Thus, a project may remain on the university and state capital outlay plans for two or three years until it reaches the full funding phase.

The plan includes projects with 100 percent nongeneral fund support, and these are located at the lower priority levels of each biennium because they do not compete for General Fund resources. These projects may be approved by the Board of Visitors under the restructuring management agreements on an as needed basis and as funding is sufficient. The university will bring forward a resolution for each item with 100 percent nongeneral fund support on a project-by-project basis. In accordance with the state instructions, these projects are not included in the submission to the state.

Projects with nongeneral fund support, including portions of gift campaigns, are generally financed with debt. Each potential debt financing undergoes a financial

feasibility assessment to ensure resources are sufficient to cover the full debt service term without unnecessary financial risk to unit operations. The positioning of debt is further analyzed to ensure the university does not exceed the parameters of the university debt policy which sets a maximum limit of a seven percent ratio of total annual debt service to total operating expenses. While the policy sets a maximum ratio of seven percent, university management traditionally manages debt levels to ratios of approximately five percent as a conservative measure to ensure resource strength is focused on the strategic operations of the institution. The debt ratio for the year ending June 30, 2010 is three and one-eighth percent. For the forward looking six-year period, the projected debt ratio, including implementation of high priority debt issuance items on the capital list, is expected to remain below five percent.

Beyond the submission of the Six-Year Capital Outlay Plan to the state on May 16th, the expected capital process for the 2012 session includes at least five major phases:

1) over the summer of 2011, a state appointed Advisory Committee (staffed by several central agencies and offices) will review the university's 2012-2018 plan with potential follow up by the university;
2) by November 1, 2011, the Advisory Committee will provide a set of recommendations to update the state's current plan for the 2012-2018 period to the Governor and Chairmen of the Money Committees;
3) by December 20, 2011, the Governor shall submit to the General Assembly a tentative bill proposing amendments to the current capital outlay plan and a budget bill including planning funds or full funding for high priority items in the plan;
4) during the 2012 General Assembly, the legislature may amend the proposed plan and proposed funding items in the executive budget bill; and,
5) effective July 1, 2012, the updated 2012-2018 plan and any funded items will be in place.

Recommendation:

That the Capital Outlay Plan for the period 2012 through 2018 as submitted to the state be ratified.

June 6, 2011

Attachment A

Capital Outlay Plan for 2012-2018

JOINT BUILDINGS AND GROUNDS COMMITTEE AND FINANCE AND AUDIT COMMITTEE

May 12, 2011

FIRST BIENNIUM -- 2012-2014

		Budget by Revenue Source Dollars in Millions Costs Projected to 2015		
Priority Level	**UNIVERSITY DIVISION**	**General Funds**	**Nongeneral Funds**	**Total**
	Maintenance Reserve (2012-2014)	$ 15.0		$ 15.0
1	Classroom Building	50.0		50.0
2	Academic Buildings Renovation and Renewal	33.7		33.7
	Davidson Hall Improvements, Phase II Sandy Hall Renovation Liberal Arts Building Renovation			
3	Translational Research and Medicine Laboratory	62.6	$ 31.3	93.9
4	Chiller Plant Upgrades, Phase II	13.6	9.0	22.6
5	Computer Science and Engineering Building	61.6	6.8	68.4
6	Derring Hall Renovation, Phase I	46.3		46.3
7	Lane Hall Renewal and Expansion	22.5	5.0	27.5
8	Library Collections Facility	6.1		6.1
9	Randolph Hall Renewal	68.9	13.8	82.7
10	Robeson Hall Renovation and Expansion	51.5	17.1	68.6
11	Vivarium and Research Addition	20.3	20.3	40.6
12	Health and Safety Improvements	15.0		15.0
13	Southgate Renovation	3.0		3.0
14	Campus Road Package, Phase I	41.9		41.9
15	Veterinary Medicine Instruction Addition (Construction)		12.6	12.6
16	Propulsion Laboratory		5.0	5.0
17	Smart Pipe Facility		9.8	9.8
18	Virginia Bioinformatics Institute, Phase III (construction)		34.6	34.6
19	Virginia Tech Transportation Institute - Research Expansion		4.0	4.0
20	Corps of Cadets Residential Facilities		121.3	121.3
21	South Recreation Field Replacement		4.4	4.4
22	English Field Improvements		1.6	1.6
23	Baseball Press Box and Restrooms Improvements		3.0	3.0
	TOTAL UNIVERSITY DIVISION	512.0	299.6	811.6
	COOPERATIVE EXTENSION/AGRICULTURAL EXPERIMENT STATION DIVISION (229)			
1	Kentland Facilities Improvements, Phase I: Dairy Program	16.2		16.2
2	Animal Production Facility	5.6		5.6
	TOTAL CE/AES PROJECTS	21.8	-	21.8
	TOTAL OF 2012-2014 BIENNIUM	$ 533.8	$ 299.6	$ 833.4

Presentation Date: June 6, 2011

SECOND BIENNIUM -- 2014-2016

May 12, 2011

Priority Level	UNIVERSITY DIVISION	Budget by Revenue Source (Dollars in Millions) Costs Projected to 2017 General Funds	Nongeneral Funds	Total
	Maintenance Reserve (2014-2016)	$ 17.0		$ 17.0
1	Undergraduate Science Laboratory Building	66.0		66.0
2	Library Renovations	71.9		71.9
3	Wood Science Building	32.3	$ 16.1	48.4
4	Holden Hall Renovation and Expansion	49.4	16.5	65.9
5	Norris Hall Renovation	26.3	8.7	35.0
6	Replace Femoyer Hall	29.4		29.4
7	Comparative Medicine Research	6.6	6.6	13.2
8	Institute for Critical Technology and Applied Science, Phase III	13.2	13.2	26.4
9	Renovate Hillcrest Hall	14.5		14.5
10	Wallace Hall Renovation	4.4		4.4
11	Replace Food Science and Technology Building	19.7	19.7	39.4
12	International Affairs Building	10.7		10.7
13	Power Plant/Substation	30.0	20.0	50.0
14	Campus Road Package, Phase II	15.4		15.4
15	Rector Field House Renovation		5.5	5.5
	TOTAL UNIVERSITY DIVISION	406.7	106.3	513.0
	COOPERATIVE EXTENSION/AGRICULTURAL EXPERIMENT STATION DIVISION (229)			
1	Kentland Facilities Improvements, Phase II: Livestock Program	2.7		2.7
2	Human and Agricultural Biosciences Building, Phase II	79.5		79.5
	TOTAL CE/AES PROJECTS	82.2	-	82.2
	TOTAL OF 2014-2016 BIENNIUM	$ 488.9	$ 106.3	$ 595.2

THIRD BIENNIUM -- 2016-2018

May 12, 2011

Priority Level	UNIVERSITY DIVISION	Budget by Revenue Source (Dollars in Millions) Costs Projected to 2019 General Funds	Nongeneral Funds	Total
	Maintenance Reserve (2016-2018)	$ 19.0		$ 19.0
1	Price Hall Renovation	30.4		30.4
2	Replace Center for Molecular Medicine and Infectious Disease	11.0	$ 11.0	22.0
3	Patton Hall Renovation	21.1	7.0	28.1
4	Hutcheson /Smyth Halls Renovation	55.1		55.1
5	Research and Demonstration Laboratory	12.0	4.0	16.0
6	Renovate War Memorial Hall	31.3	31.3	62.6
7	Pamplin Hall Replacement	84.7		84.7
8	Cheatham Hall Replacement	57.0	19.0	76.0
9	Academic Music Building		17.3	17.3
10	Replace Squires Student Center		130.0	130.0
11	Pritchard Hall Renovation		107.0	107.0
12	Recreation Facilities		48.1	48.1
13	Health Center Improvements		3.2	3.2
14	Owens Hall Renovation		10.6	10.6
15	G. Burke Johnston Renovation		10.2	10.2
16	Inn at Virginia Tech, Phase II		22.2	22.2
	TOTAL UNIVERSITY DIVISION	321.6	420.9	742.5
	COOPERATIVE EXTENSION/AGRICULTURAL EXPERIMENT STATION DIVISION (229)			
1	Kentland Facilities Improvements, Phase III: Historic Renovations	7.5		7.5
	TOTAL CE/AES PROJECTS	7.5	-	7.5
	TOTAL OF 2016-2018 BIENNIUM	$ 329.1	$ 420.9	$ 750.0
	TOTAL 2012-2018 CAPITAL OUTLAY PLAN	**$ 1,351.8**	**$ 826.8**	**2,178.6**

Attachment B

Project Descriptions for 2012-2018 Capital Outlay Plan

JOINT BUILDINGS AND GROUNDS COMMITTEE
AND FINANCE AND AUDIT COMMITTEE

May 12, 2011

First Biennium Projects: 2012-2014

University Division

Maintenance Reserve

Since 1982, the Commonwealth has allocated General Fund support for preserving state-owned facilities. The Executive and Legislative Branches have mandated that maintenance reserve be the top priority for capital outlay resources. This program includes individual projects to repair or replace major plant components with costs in the range of $25,000 to $1 million. The funds in this program may not be used for normal operations and maintenance work costing less than $25,000. In 1994, the university established a parallel Maintenance Reserve program for the auxiliary enterprise facilities funded with enterprise resources.

1. Classroom Building

This project has been on the university's plan since 2005 and is included as a high priority to increase the quantity of high quality general assignment classrooms to create classrooms, in terms of capacity, that meet the needs of our current and future programs; to address the significant, growing demand for class registrations; and to meet student expectations of state-of-the-art instruction space. This project includes construction of a 77,500 gross square foot building with large-size, flexible classrooms on the north side of the academic core of campus.

2. Academic Facilities Renovation and Renewal

This project involves the renovation and renewal of three academic buildings located around the drill field that combine for a total 52,000 gross square feet: Davidson Hall-Front Section, Sandy Hall, and the Liberal Arts Building. These three buildings were constructed between 1899 and 1928, have had no major renovations or improvements since coming into service, carry high deferred maintenance levels that cannot be corrected with normal maintenance or repair projects, and no longer house permanent occupants because of their deteriorated conditions.

3. Translational Research and Medicine Laboratory

The Translational Research and Medicine Laboratory project envisions a 110,000 gross square foot scientific laboratory facility to support the expansion of basic and applied

research in the biological and life sciences. This project is a joint effort of the College of Agriculture and Life Sciences, College of Science, and College of Veterinary Medicine.

4. Chiller Plant, Phase II

This project is the second phase of a strategic plan to establish a centralized cooling system. The Phase I project has been approved by the state and will construct a new plant on the southwest area of campus when bond proceeds are released. This project will construct a second new plant in the Prices Fork parking lot, replace outdated equipment in the existing central plant on the north side of campus, and install distribution piping to connect the systems for optimal operations.

5. Computer Science and Engineering Building

This project is to build a new 87,000 gross square foot building to address a shortage of modern academic space capable of supporting the computer science and engineering fields. It will provide permanent space for the computer science program which is currently located in a temporary lease in the corporate research center.

6. Derring Hall Renovation, Phase I

Derring Hall was constructed in 1969 with no major improvements or renovations since the original construction was completed. This request is to renovate and modernize about 89,000 gross square feet of the 208,000 gross square feet of the existing building.

7. Lane Hall Renewal and Expansion

Lane Hall was constructed in 1888, includes about 26,500 gross square feet, and has a substantial level of deferred maintenance. The project will renew the existing facility and will construct an 18,400 gross square foot addition to house several new general assignment classroom spaces and instructional spaces supporting the university's Corps of Cadets and the three Reserve Officer Training programs (ROTC).

8. Library Collections Facility

The project is to construct a 3,600 gross square foot addition to the east side of Newman Library to house a high-density robotic storage and retrieval system capable of handling up to 750,000 volumes. The project will increase the ability to efficiently store and quickly retrieve materials without delay and without additional staff or program floor space.

9. Randolph Hall Renewal

Randolph Hall was constructed in 1952 with an addition in 1959, and no major renovations since the construction was completed. The building includes about 166,000 gross square feet, and the proposed project is to renew the entire facility through renovations or replacements to support modern engineering programs and instructional space.

10. Robeson Hall Renovation and Expansion

Robeson Hall was constructed in 1960 and there have been no major improvements or renovations since the original construction. The project includes renovating the entire 66,000 gross square foot existing building and constructing a 44,500 gross square foot addition to provide modern laboratories and support space to meet the needs of instructional and research laboratory space for the physics programs.

11. Vivarium and Research Addition

This project is to construct a four-story, 45,500 gross square foot addition to the existing Virginia Tech Carilion Research Institute building in Roanoke, VA. The addition will provide critical vivarium and laboratory space to continue the growth of the research program.

12. Health and Safety Improvements

The university's health, safety, and accessibility initiative for the campus is an ongoing effort, and the university includes a request for this program in each capital plan. This project is to continue progress on needed campus improvements including accessibility improvements, fire alarm systems, and updating needs assessments that are beyond the scope of the Maintenance Reserve program.

13. Southgate Renovation

This project will make renovations to portions of the building to house the Police Department, the Emergency Management department, and swing space for programs dislocated during renovation projects. The renovations will include reconfiguration of interior partitioning and associated mechanical, electrical, plumbing and telecommunications upgrades to accommodate reconfigured spaces and open plan layouts.

14. Campus Road Package, Phase I

This project is the first of two campus road projects envisioned to support the future build out of the campus master plan. This first phase will provide an access road to the Visitors Center and a perimeter road on the western side of campus.

15. Veterinary Medicine Instruction Addition (Construction)

This project has been on the university's plan since 1993. The project requests authorization to construct an addition to the existing facility of about 24,000 gross square feet of instructional space to provide adequate classrooms, to relieve overcrowding of faculty space, and to accommodate planned hires.

16. Propulsion Laboratory

This project is to build a specialized engine testing laboratory facility for the College of Engineering located at the Virginia Tech Montgomery Executive Airport. The facility will provide space for engine testing, faculty offices, and support spaces.

17. Smart Pipe Facility

This project is to construct a new specialized research facility comprising a four acre site utility development and a 20,000 gross square foot research building at the Plantation Road research area. The Smart Pipe Test-Bed facility will evaluate the impact of mechanical, thermal, chemical and biological factors, external interferences, and inappropriate maintenance on the performance of subsurface water supply and wastewater distribution piping.

18. Virginia Bioinformatics Institute, Phase III (construction)

The project includes 51,000 gross square feet of additional private and open office space for faculty, researchers, research associates, and support personnel for the Virginia Bioinformatics Institute. The project design is complete with a construction request pending the outcome of external funding.

19. Virginia Tech Transportation Institute - Research Expansion

This project is to provide about 50,000 gross square feet of expansion of the existing warehouse and office accommodations to house program growth. This project envisions implementing the expansion in phases over time to provide additional light research space and private and open office space for faculty, researchers, and support personnel.

20. Corps of Cadets Residential Facilities

This project is to modernize the outdated and deteriorated residence halls where the Corp of Cadets reside. The project will raze and replace Rasche Hall and Brodie Hall with 278,500 gross square feet of new buildings sufficient to house all the cadets. In turn, Monteith Hall and Thomas Hall may then be razed.

21. South Recreation Field Replacement

This project is to replace fields that may be dislocated by the airport runway extension and to replace some grass platforms with artificial turf allowing for increased usage of the fields. The desired layout will provide six dual use flag football/soccer fields and four softball fields.

22. English Field Improvements

The natural turf currently on English Field does not adequately meet the needs of the baseball program because of the negative effect winter months have on the turf. This project is to install a synthetic field that is not affected by the weather and is easier to maintain. In addition to the synthetic turf, the dugouts will be expanded toward the playing surface by eight feet.

23. Baseball Press Box and Restrooms Improvements

This project is to expand and make improvements to the existing press box and restrooms at English Field to meet the expectations of fans and media support personnel.

Cooperative Extension/Agricultural Experiment Station Division

1. Kentland Facilities Improvements, Phase I: Dairy Program

This project includes building modern instruction and research facilities to relocate the dairy science program. The relocation of the dairy science facilities from campus to the Kentland Farm, Moore Farm and Plantation Road is envisioned to include the relocation and construction of approximately 154,000 gross square feet of herd housing, animal housing, feed facilities, support structures, and program space.

2. Animal Production Facility

This project includes relocating the existing College of Agriculture and Life Sciences swine offspring production and research program to another university agricultural location in the vicinity of the Blacksburg campus. The project will provide 11,500 gross square feet of new facilities including a gestation house for 130 sows, a farrowing house, a finishing and nursery house for 300 pigs, and support facilities for personnel.

Second Biennium: 2014-2016

University Division

1. Undergraduate Science Laboratory Building

This project has been on the university's plan since 2005 and is included as a high priority to increase the quantity of high quality general assignment instructional laboratories to address the significant growth in life sciences and other laboratory instruction. This project envisions a new facility of 77,000 gross square feet for undergraduate science instruction and laboratory support services.

2. Library Renovations

Newman Library was constructed in 1955, with an addition in 1980, and serves as the central materials storage facility for the entire university. This project request is for the reorganization and modernization of 144,000 gross square feet of the 227,000 gross square foot library to provide a high quality library environment with up-to-date interactive learning formats.

3. Wood Science Building

This project envisions a new facility of 92,300 gross square feet for science classrooms, laboratories, laboratory support services, and office space for faculty in the Wood Science and Forest Products department. The anticipated site is near the existing Brooks Forest Products Center.

4. Holden Hall Renovation and Expansion

Holden Hall was constructed in 1940 with no major renovations or building improvements since going into service. This project proposes to fully renovate the existing 42,000 gross square foot building and construct a 69,700 gross square foot addition to support the Mining

and Minerals Engineering program, the Materials Science and Engineering program, and other engineering programs.

5. Norris Hall Renovation

Norris Hall was constructed in two phases: the west wing in 1960 and the east wing in 1962. This project proposes to fully renovate major areas of the 73,000 gross square foot building to support engineering programs.

6. Replace Femoyer Hall

The building was constructed in 1949 as a dormitory, with no major building improvements or renovations since it was originally constructed, and it now houses academic programs. This project proposes to raze and replace the 36,000 gross square foot building with a new academic building.

7. Comparative Medicine Research

This project is to relocate the existing College of Veterinary Medicine (CVM) swine research program at the Prices Fork Road location to new facilities adjacent to the existing CVM complex. The new facilities will include 15,000 gross square feet of laboratory space.

8. Institute for Critical Technology and Applied Science, Phase III

This project is to complete the originally envisioned total facilities for the institute with a three-story, 30,000 gross square foot addition to the Phase II building. The project will include specialized research laboratories supporting research in several multi-disciplinary areas including bioengineering, biomaterials, bio-nanotechnology and sensor technology.

9. Renovate Hillcrest Hall

Hillcrest Hall is a 47,800 gross square foot building constructed in 1949 and 1971 and currently houses the honors academic and residential programs. This project will renovate the first and second floors to better support the residential honors program and undergraduate academic support programs.

10. Wallace Hall Renovation

This project will renovate and modernize approximately 12,900 square feet within Wallace Hall to provide improved academic support, research, and administrative office space for the College of Liberal Arts and Human Sciences and the College of Business Department of Hospitality and Tourism Management's demonstration kitchen facility.

11. Replace Food Science and Technology Building

This project is to replace the existing three-story, 45,700 gross square foot Food Science and Technology Building that was originally constructed in 1952 with a modern laboratory facility. The current building is one of the most outdated academic and research buildings on campus.

12. International Affairs Building

The project envisions a new, on-campus International Affairs Building to serve as a permanent student support center and consolidate International Affairs programs. The building will include administrative space for the International Affairs programs, temporary living space for visiting scholars, and student commons spaces for international students.

13. Power Plant/Substation

The projected rate of campus growth in the master plan is expected to exceed the expected serviceability of the existing power plant by 2020. This project is to plan and build additional power plant capacity for the campus and include the use of alternative energy sources.

14. Campus Road Package, Phase II

This project is the second of two campus road projects. This phase envisions four sub-projects: the realignment of Duck Pond Drive with Perry Street, a roundabout at Washington Street and Spring Road, a walkway under Duck Pond Drive, and removal of the anticipated abandoned section of Southgate Drive after the airport runway extension is complete.

15. Rector Field House Renovation

Rector Field House, which serves a majority of Olympic Sports, does not have restrooms and seating sufficient for events held at the field house. This project will construct additions to both long sides of the building to provide additional restrooms and install bleachers. A new athletic flooring surface will be installed once Rector Field House is no longer used by the football team.

Cooperative Extension/Agricultural Experiment Station Division

1. Kentland Facilities Improvements, Phase II: Livestock Program

The university made temporary relocation measures to vacate a majority of the livestock herd from pastures and facilities at the site of the new Corporate Research Center-Phase II. This project is to provide 12,400 gross square feet of permanent facilities for the livestock herd at Kentland Farm and Moore Farm including feed storage, equipment storage, and a feed mill.

2. Human & Agricultural Bioscience Building, Phase II

This project is to provide a 92,000 gross square foot modern research space for the Agricultural Experiment Station including research laboratories, laboratory support space, research offices, faculty offices, and graduate student research space.

Third Biennium: 2016-2018

University Division

1. Price Hall Renovation

Price Hall was constructed in 1904 and is one of the oldest buildings on the campus. The 57,000 gross square foot building has received no major renovations, upgrades, or improvement projects since the original construction was completed. This project proposes to gut and renovate the entire building for offices, conference/seminar rooms, classrooms, and computer laboratories for departments of the School of Education.

2. Replace Center for Molecular Medicine and Infectious Disease

This project proposes to replace the antiquated life sciences research laboratories and support facilities of the complex currently located at Prices Fork Road. The replacement project is envisioned as an approximately 25,000 gross square foot facility located near the existing College of Veterinary Medicine complex.

3. Patton Hall Renovation

Patton Hall was constructed in 1926 with no major renovations or improvements since it went into service. This project proposes to fully renovate the interior and exterior of the 53,000 gross square foot building to support engineering programs in Civil and Environmental Engineering and Engineering Science and Mechanics.

4. Hutcheson/Smyth Halls Renovation

Smyth Hall was constructed in 1939 and Hutcheson Hall was constructed in 1940 with neither building having any major renovations or improvements since going into service. This project proposes to fully renovate their combined 67,000 gross square feet to support academic programs in the College of Agriculture and Life Sciences.

5. Research and Demonstration Laboratory

This project has been on the university's plan since 1997 to provide a new state-of-the-art research facility for the College of Architecture and Urban Studies. The project envisions a 16,000 gross square foot research facility that will centralize research in the architectural, engineering, and environmental concerns facing K-12 educational facilities in the Commonwealth of Virginia.

6. Renovate War Memorial Hall

This project is to provide a comprehensive renovation of the 123,000 gross square foot building inclusive of envelope mechanical, electrical, and plumbing upgrades. The gymnasium/recreation spaces will receive extensive renovation or conversion, and the existing academic spaces will be updated.

7. Pamplin Hall Replacement

The college has proposed a complete overhaul and addition to Pamplin Hall or a replacement building to provide 120,000 gross square feet to house the entire College of Business within one building.

8. Cheatham Hall Replacement

The College of Natural Resources and Environment has filled Cheatham Hall and requires additional instructional and research space to grow. This project reflects the college's need for an 87,000 gross square foot facility to house all of the central campus Natural Resources and Environment programs.

9. Academic Music Building

This project is to provide a facility to serve the music instruction and practice needs of the Marching Virginians, symphonic orchestra, symphonic band, and choral groups. The facility is envisioned as a 30,000 gross square foot building and will include flexible rehearsal rooms that can be configured to ensemble uses, administrative offices, storage, locker rooms, and related support spaces.

10. Replace Squires Student Center

Squires Student Center cannot accommodate the demand for space from students and expansion is not practical because of site and structural constraints. This project is to build a new 240,000 gross square foot student center to replace Squires Student Center. Squires may subsequently be converted to academic use.

11. Pritchard Hall Renovation

This project continues the modernization of outdated and deteriorated campus residential facilities. The renovation will fully update the 211,400 gross square foot, 1967 facility and will incorporate additional hall lounges, community and study rooms, expanded bathroom facilities, and air conditioning.

12. Recreation Facilities

This project proposes to build a new 90,000 gross square foot recreation facility at the south end of the Oak Lane Community. The additional recreation space will address service demands from students and will provide the space in the north zone of campus where demand for recreation space is increasing.

13. Health Center Improvements

This project request is to renovate and expand Schiffert Health Center to address increasing student service demands. The project will renovate 6,000 square feet for private interview rooms, exam rooms, open clinic space, and clinic support space.

14. Owens Hall Renovation

Owens Hall is a 97,600 gross square foot dining facility constructed in 1939 with several small scale interior renovations, the latest completed in 1991. This project is to make major interior and exterior renovations including restrooms, dining area, food service, and dining venue stations, and addressing deferred maintenance.

15. G. Burke Johnston Renovation

This project is to renovate the 25,000 gross square foot student center built in 1990. The renovations include complete updates to the interiors, food service areas, building mechanical systems, and deferred maintenance.

16. Inn at Virginia Tech, Phase II

This project proposes to provide additional visitor accommodations to the existing 147 lodging rooms. The design of the Inn and Conference Center includes provisions for a future expansion of a wing of lodging rooms, and this project envisions adding approximately 55 guest rooms at such time as demand requires.

Cooperative Extension/Agricultural Experiment Station Division

1. Kentland Facilities Improvements, Phase III: Historic Renovations

The original Kentland facility was constructed in 1818. This project includes a complete renovation of the existing facility and support buildings to restore the buildings and to correct deterioration and deficiencies.