Virginia Tech Board of Visitors Meeting
September 14-15, 2014

Information Session

Minutes

A. Minutes: Academic Affairs Committee

B. Resolution: Ratification of Changes to the 2014-2015 Faculty Handbook

C. Resolution: Approval for Changes to University Policy 1025: Anti-Discrimination and Harassment Prevention Policy

D. Minutes: Buildings and Grounds Committee

E. Resolution: Approval of Appointments to the New River Regional Water Authority

F. Resolution: Approval of Hoge Estate Easement and Land Exchange

G. Resolution: Approval of Appalachian Power Company Easement

H. Resolution: Approval of the Sale of Timber at the Southern Piedmont Agricultural Research and Extension Center (AREC)

I. Resolution: Approval of the Virginia Department of Transportation Nottoway County Bridge Replacement

J. Resolution: Approval of Demolition of University Buildings

K. Minutes: Finance and Audit Committee

L. Resolution: Approval of the Year-to-Date Financial Performance Report (July 1, 2013 - June 30, 2014)

M. Resolution: Approval of Constructing the South Recreation Field Surface Replacement

N. Minutes: Research Committee

O. Resolution: Approval of Appointments to the Virginia Coal and Energy Research and Development Advisory Board

P. Resolution: Approval for Exclusion of Certain Officers/Directors

Q. Minutes: Student Affairs and Athletics Committee

R. Report: Research and Development Disclosure

S. Resolution: ACC Governing Board Annual Certification

T. Resolutions: Honoring William Holtzman, Suzanne Obenshain, and John Rocovich

U. Resolutions: Naming of University Facilities (38)

V. Resolutions: Emeritus and Emeriti Status (14)

W. Resolutions: Endowed Chairs, Professorships, or Fellowships (10)

X. Resolution: Approval Exemption to the Conflict of Interest Act (2)

Y. Resolution: Ratification of Personnel Changes

Z. Resolution: Approval to Request the Establishment of An Operating Fund in the Virginia Tech Foundation, Inc.

AA. Reports: Constituent Remarks

State Budget Update

M. Dwight Shelton, Jr.   *September 14, 2014*

General Fund (GF) Support %
Original 2014-15 Budget
($ in Millions)

	GF	Total	% GF
208 E&G	$158.8	$608.4	26%
229 E&G	68.1	83.5	82%
Auxiliary	0.0	294.2	0%
Sponsored	7.3	340.0	2%
Financial Aid	20.0	20.0	100%
Military Activities	2.1	2.1	100%
Other	0.0	4.5	0%
Total	$256.3	$1,352.7	19%

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- General Assembly did not reach agreement on 2014-16 budget in March as scheduled.

- On June 23, 2014, the General Assembly finalized the biennial budget in a Special Session.

- General Assembly reduced revenue forecast:

  - 2013-14 GF revenue forecast reduced by $350 million.

  - 2014-16 GF revenue forecast reduced by $1 billion.

- State reduced GF allocation to state agencies for 2014-16 including higher education.

  - Final state budget for 2014-16 supported General Fund programs at the same level as in 2013-14.

Impact On the University Budget

- June 2, 2014: the Board of Visitors approved the 2014-15 university budget utilizing an estimate of new state funding.

- The university's approved 2014-15 budget was then reduced in the final biennial budget by:

  - University Division ($11,269,204)

  - Cooperative Extension/Ag Experiment Station ($642,790)

- University did receive two supplemental GF allocations:

  - $600,000 new GF for Virginia resident enrollment growth

  - $1.1 million GF for operation & maintenance of the Human & Agricultural Biosciences Building (CE/AES)

August 15 – Revenue Shortfall

- Final state General Fund revenue for 2013-14 was $438.5 million below target, or $88 million worse than expected.

- This triggered a revenue reforecast for the 2014-16 biennium:

    - FY15 shortfall = $1.3 billion (includes $438.5 carried forward from FY14)

    - FY16 shortfall = $1.1 billion

- Reserves and Revenue Stabilization Fund will help dampen impact.

- Remaining shortfall for the biennium is approximately $882 million.

- **Operating Budget impact**:

    - Budget reductions of 5% for FY15 and 7% for FY16 to most agencies.

    - Targeted reductions may still be considered at the state level.

- **Capital Budget impact**:

    - Potential elimination of state capital outlay program in FY15 and FY16.

    - Would limit opportunities for funding of current and future planning projects.

Summary of Proposed Reductions

($s in millions)

	Reduction Targets	
	2014-15 (5%)	2015-16 (7%)
State Agencies	($ 346.0)	($ 536.0)
Higher Education System	(71.8)	(100.6)
Virginia Tech	(9.4)	(13.2)
University Division (208)	*(7.8)*	*(10.9)*
*CE/AES (229)**	*(1.6)*	*(2.3)*

* Agency 229: 50% exemption, resulting in 2.5% and 3.5% GF reduction.

Next Steps

- University is developing broad budget reduction strategies for submission to the Governor by September 19th, 2014.

- University working to identify one-time strategies for 2014-15 to provide time for thoughtful planning.

- The General Assembly returns to session on September 18th, 2014 to discuss Medicaid expansion, but could also discuss budget reduction assignments.

- State could reforecast revenues again in fall.

- 2015 General Assembly could revisit reduction assignments.

- Planning for reduced state support.

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Questions?

Pathways to Knowing
A Hands-On, Minds-On Approach to General Education at Virginia Tech

Presentation to the Virginia Tech Board of Visitors

September 15, 2014

ENVISIONING VIRGINIA TECH **2012-2018**

"A new vision for undergraduate general education . . . "

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The Leadership Team

Shelli Fowler
Technology–Enhanced Learning
and Online Strategies

Jill Sible
Undergraduate Academic Affairs

Peter Doolittle
Center for Instructional Design
and Education Research

Kate McConnell
Office of Assessment & Evaluation

Stephen Biscotte
General Education

Marlene Preston
University Committee on the
Curriculum for Liberal
Education

Carolyn Meier
University Committee on
the Curriculum for Liberal
Education

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General Education: A National Dialogue

"a demonstrated capacity to **think critically, communicate clearly, and solve complex problems** is <u>more important</u> than [a candidate's] undergraduate major."

"demonstrate **ethical judgment and integrity; intercultural skills; and the capacity for continued new learning.**"

"regardless of their major, **all college students should acquire broad knowledge in the liberal arts and sciences.**"

It Takes More than a Major: Employer Priorities for College Learning and Student Success. 2013. Washington, DC: Association of American Colleges and Universities and Hart Research Associates.

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Our students . . .

"more of an interdisciplinary path, but these area views tend to promote tunnel vision. **What is the big picture? Why is it important? How do I fit into the scheme of things?** *I think the ability to link different areas and see a connection is very important."*

"Stronger incorporation of themed courses from different areas. It can be very helpful to **see how different viewpoints and approaches can tackle the same problems,** *and what different methods are used in doing so. I think this might help students to be more comfortable and willing to look beyond their major and attempt to take a greater variety of courses."*

Source: 2010 student survey conducted during SGA elections

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Our students . . .

*"I really like the idea of **incorporating service, undergraduate research, or internships,** because I think those experiences will truly enhance the value of our education here at Virginia Tech. Those are all areas that I am particularly interested in, but sometimes it is difficult to **fit them into a packed schedule.** However, if they were incorporated into the CLE requirements a lot more people could probably use those experiences and have a more flexible schedule."*

Source: 2010 student survey conducted during SGA elections

Our challenge is to . . .

- *build a curriculum focused on key learning outcomes.*

- *create a structure to promote both foundational and integrated learning.*

- *infuse active learning pedagogy across the curriculum.*

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And . . .

- *Retain opportunity for exploration.*
- *maintain access for Virginia community college transfer students.*
- *respect time to degree.*
- *ensure flexibility and scalability.*

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So, where are we now?

Faculty Curricular Planning Teams

Discourse
Marlene Preston
Patty Raun (Performing Arts)
Quinn Warnick (English)
Willie Jester (PCOB)
Alma Robinson (physics)
Vickie Mouras (CEE)
Carolyn Meier (Libraries)

Critique and Practice in Design and the Arts
Kathryn Albright (Arch)
Ben Knapp (ICAT)
Alan Weinstein (Music)
Greg Justice (TA)
Jack Lesko (Eng)
Kevin Concannon (SoVA)
Barbara Leshyn (Kraft) (Hort)
Ed Dorsa (Industrial Design)
Matthew Volmer (English)
Ann-Marie Knoblauch (Visual Arts)
Willie Caldwell

Quantitative Thinking
Peter Haskell (math)
Art Keown (finance)
Mike Ellerbrock (AgEcon)
Nicholas Polys (ARC)
Eric Lyon (Music)
Jane Robertson (stats)
Don Orth (FW)

Computational Thinking
Barbara Ryder (CS)
Tom Ewing (History)
Dennis Kafura (CS)
Liesl Baum (ICAT)
Tom Martin (ECE)
Lydia Patton (philosophy)
John Simonetti (Physics)
Marie Paretti (Eng Ed)
Shelli Fowler (TLOS)

Scientific Reasoning
Richard Walker (BIOL)
John Chermak (GEOS)
Jeannine Eddleton (CHEM)
Mark Barrow (HIST)
Sarah Karpanty (FW)
David Schmale (PPWS)
Renee Selberg-Eaton (HNFE)
Stephen Biscotte

Humanistic and Social Analysis
Anisa Zvonkovic (HD)
Kurt Hoffman (Psyc)
Matthew Gabriele (Religion/Culture)
Kwame Harrison (Sociology)
Greg Tew (Interior Design)
Brian Murphy (FW)
Sheila Carter-Tod (English)
Jill Sible

Visits across campus

Mission

The Pathways to Knowing curriculum will **guide undergraduates to examine the world from multiple perspectives.** Through a "hands-on, minds-on approach", students will apply **aesthetic, humanistic and scientific reasoning** as well as **quantitative, computational and design thinking.** The Pathways curriculum will help students to **effectively exchange ideas** and develop a personal code of integrity through training in **ethical reasoning** and development of **inclusive, intercultural and global knowledge.**

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Guiding Principles

The Pathways to Knowing curriculum will be:

- **rigorous.**
- **valued.**
- **inclusive.**
- **responsive.**

Core Learning Outcomes

Discourse	9 hours
Quantitative and Computational Thinking	9 hours
Scientific Reasoning	6 hours
Critique and Practice in Art and Design	6 hours
Critical Thinking in Humanities and Social Sciences	12 hours

Comprehensive Learning Outcomes

Ethical Reasoning	Embedded
Inclusive, Intercultural, Global Knowledge	

Pathways to Knowing

- Distribution of Courses

- Pathways Minors

- Alternative Pathways

Core Learning Outcomes

Discourse (9 hrs)

Quantitative and Computational Thinking (9 hrs)

Scientific Reasoning (6 hrs)

Critique and Practice in Art and Design (6 hrs)

Critical Thinking in Humanities and Social Sciences (12 hrs)

Comprehensive Learning Outcomes

Ethical Reasoning

Inclusive, Intercultural, Global Knowledge

Potential Pathways Minor
Civic Agriculture and Food Systems

Communicating Agriculture (3 hrs.)

Foundations of Environmental Science (6 hrs.)

Introduction to Civic Agriculture (3 hrs.)
Ecological Agriculture: Theory and Practice (3 hrs.)
Food and Agriculture Policy (3 hrs.)

Capstone Course (3 hrs.)

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Core Learning Outcomes

Discourse (9 hrs)

Quantitative and Computational Thinking (9 hrs)

Scientific Reasoning (6 hrs)

Critique and Practice in Art and Design (6 hrs)

Critical Thinking in Humanities and Social Sciences (12 hrs)

Comprehensive Learning Outcomes

Ethical Reasoning

Inclusive, Intercultural, Global Knowledge

Potential Pathways Minor
Science, Engineering, and Law

Science Writing (3 hrs.)

Science & Technology in Modern Society (3 hrs.)

Foundations of Intellectual Property (3 hrs.)
Global Economics and World Politics (3 hrs.)
Patent Law (3 hrs.)
Global Aspects of intellectual Property Law (3 hrs.)

Current Topics in Science, Technology, and Law (3 hrs.)

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Pathways Faculty Scholars

Zac Zimmer
Assistant Professor
Spanish
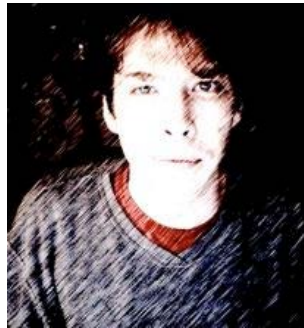
Sean Conaway
Instructor
English

Ann-Marie Knoblauch
Associate Professor
Art History

Dennis Kafura
Professor
Computer Science

Gyorgyi Voros
Senior Instructor
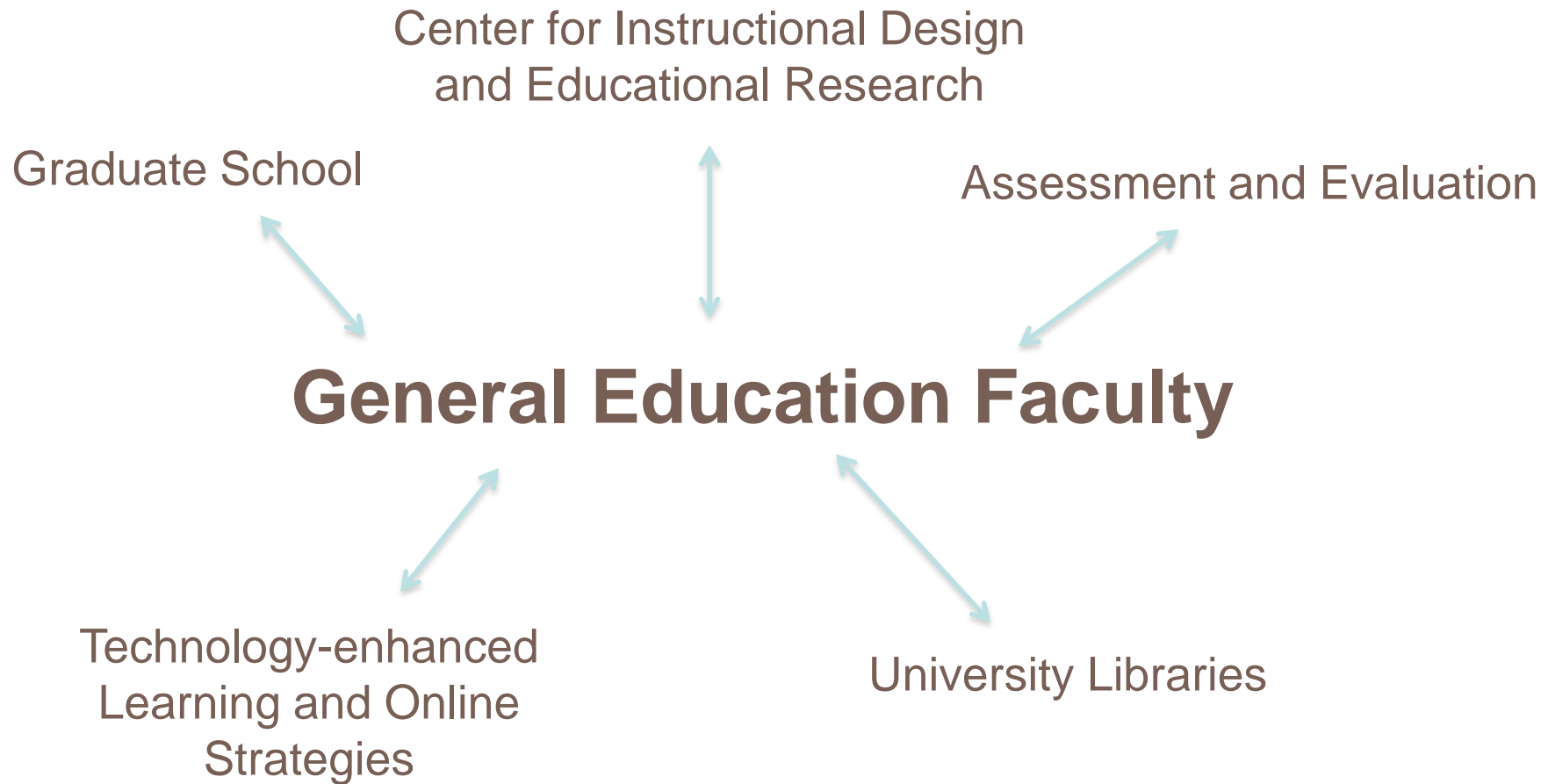English

Ben Jantzen
Assistant Professor
Philosophy

John Chermak
Associate Professor of Practice
Geosciences
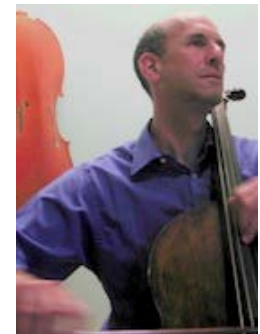
Alan Weinstein
Associate Professor
Music

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Support for Faculty

Center for Instructional Design
and Educational Research

Graduate School

Assessment and Evaluation

General Education Faculty

Technology-enhanced
Learning and Online
Strategies

University Libraries

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Proposed Timeline

Fall 2014

•Meet with Faculty Senate, Advisors Advisory Committee, SGA.

•Present proposal to governance.

•Develop approval process for courses, minors and checksheets.

•   Engage with academic advisors.

Spring 2015 – Summer 2016

•Offer workshops and one-on-one consulting for courses and minors.

•Conduct course approvals.

   (Maintain CLE curriculum through Fall 2016)

Fall 2016

•   Implement Pathways curriculum.

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Questions?

GALLUP RESEARCH ON HIGHER EDUCATION & THE LONG-TERM OUTCOMES OF GRADUATES

Brandon Busteed

Executive Director

Gallup Education

@brandonbusteed

A BROKEN LINK BETWEEN EDUCATION AND WORK

96%
of **Chief Academic Officers** rate their institution as very/somewhat effective at **preparing students** for the world of work.

14%
of **Americans** strongly agree that **college graduates** in this country are well-prepared for **success in the workplace**.

11%
of **business leaders** strongly agree **graduating students** have the skills and competencies that their businesses need.

STANDARDIZED TESTS, BUT NO ENTREPRENEURS

Negative correlation between PISA and GEM scores

Ranking by PISA Math Score and Perceived Entrepreneurial Capability

Legend: ■ 2009 PISA Math ■ Perceived Entrepreneurial Capability

Countries (left to right): Singapore, Republic of Korea, Taiwan, Finland, Switzerland, Japan, Netherlands, Belgium, Australia, Germany, Denmark, Slovenia, Norway, France, Sweden, Czech Republic, United Kingdom, United States, Portugal, Ireland, Spain, Greece, United Arab Emirates

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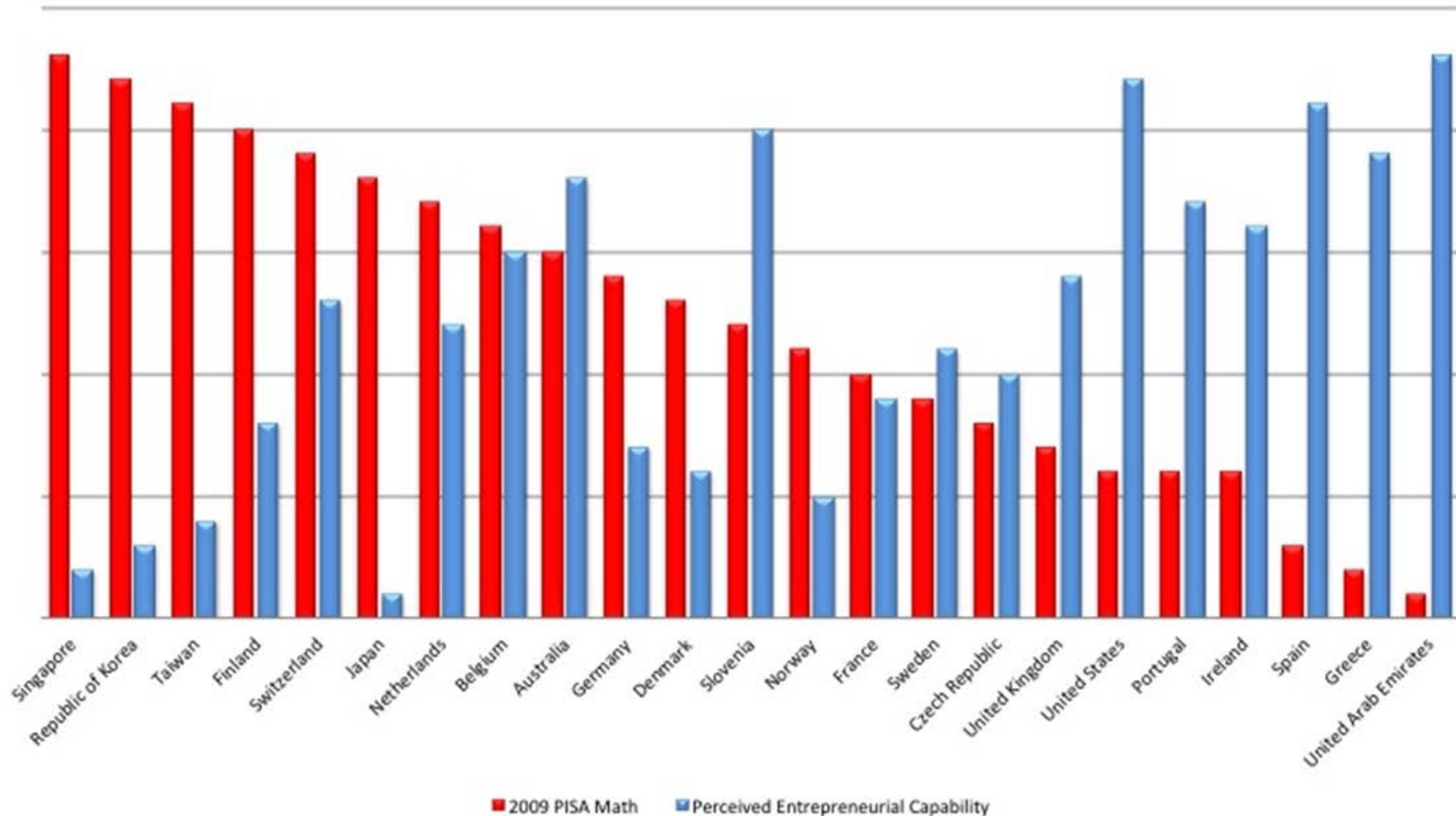
CURRENT EDUCATION MEASURES INSUFFICIENT

INPUTS

- High School GPA, Rank In Class

- SAT, ACT

OUTPUTS

- GPA, Rank In Class
- Retention Rates, Degree Attainment
- Gainful Employment
- And maybe…
  - CLA, etc.

Hope is a stronger predictor of college success than SAT and GPA.

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WHAT IS THE ULTIMATE OUTCOME OF AN EDUCATION ?

WHAT DOES A 'GREAT LIFE' LOOK LIKE?

Purpose
How you occupy your time; liking what you do each day

Social
Relationships and love in your life

Financial
Managing your economic life to reduce stress and increase security

Physical
Good health and enough energy to get things done daily

StrengthsFinder 2.0

WELL BEING

The Five Essential Elements

TOM RATH
JIM HARTER
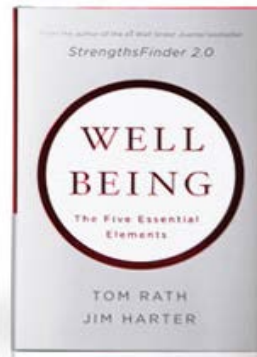
Community
Engagement and involvement in the area where you live

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WELL-BEING MATTERS TO ORGANIZATIONS

Annual Health-Related Cost to Employer
(Disease Burden and Unhealthy Days)

Total — Age: 44 and younger — Age: 45 and older

Number of Elements Thriving at Baseline (2010)
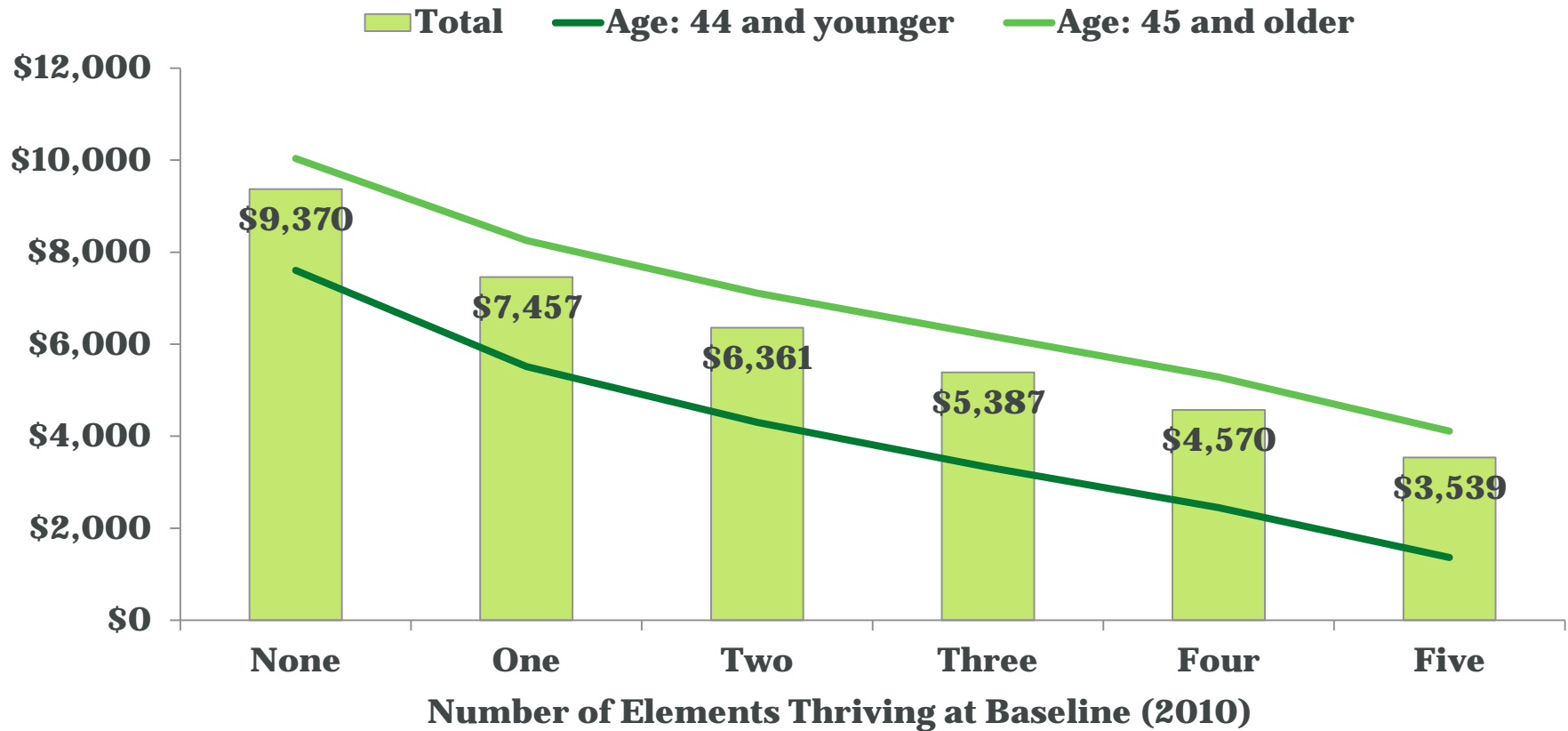
Controlling for demographic differences at baseline (2010)

7

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WHAT DOES A 'GREAT JOB' LOOK LIKE?

Opportunities to learn and grow
Progress in last six months

I have a best friend at work
Coworkers committed to quality
Mission/Purpose of company
 At work, my opinions seem to count

Someone encourages my development
Supervisor/Someone at work cares
Recognition last seven days
Do what I do best every day

I have materials and equipment
I know what is expected of me at work

GROWTH

TEAMWORK

INDIVIDUAL
CONTRIBUTION

BASIC NEEDS

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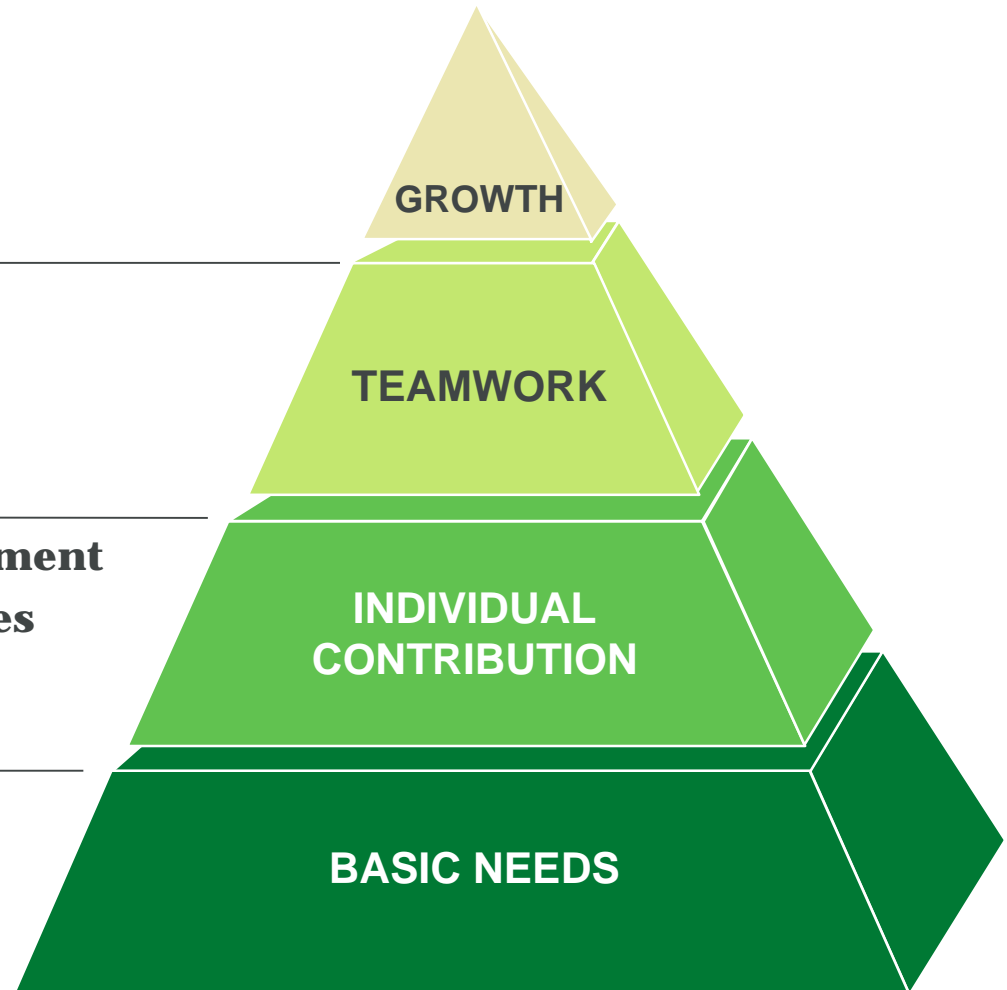
ENGAGEMENT MATTERS TO ORGANIZATIONS

Difference between top and bottom engagement quartiles

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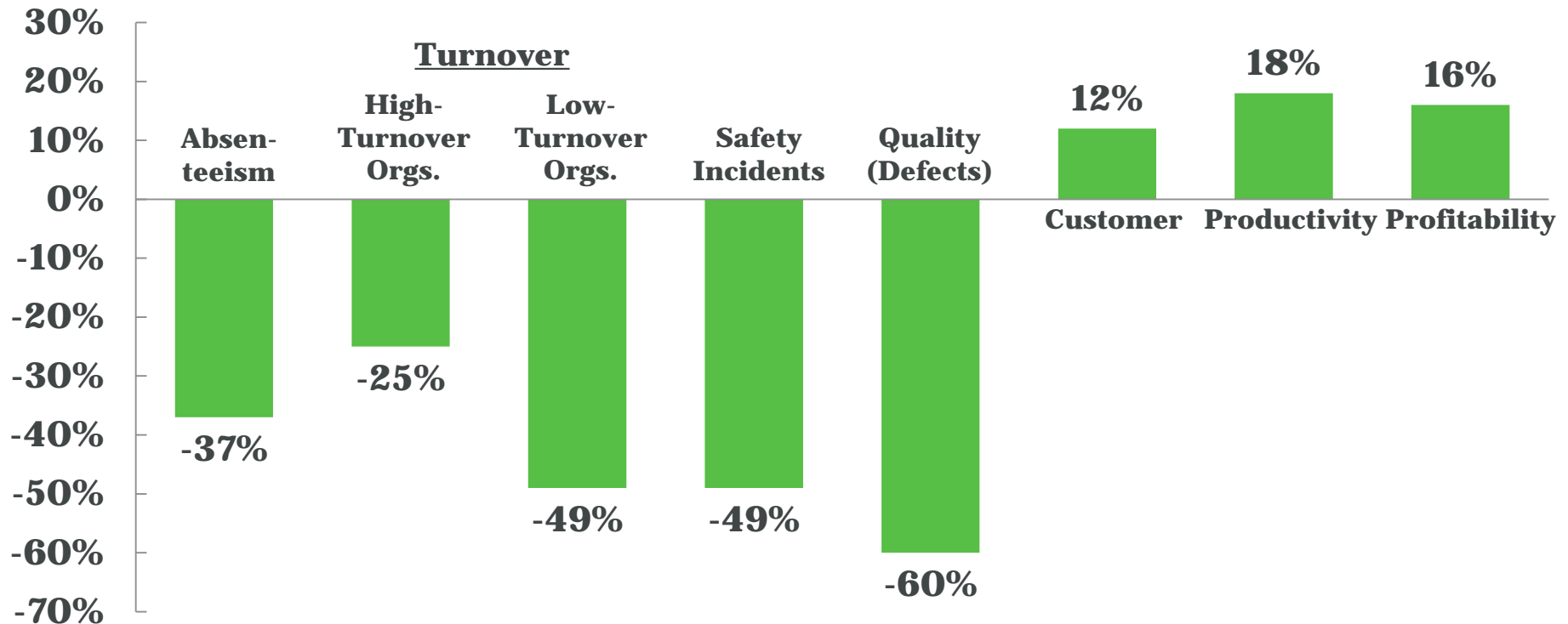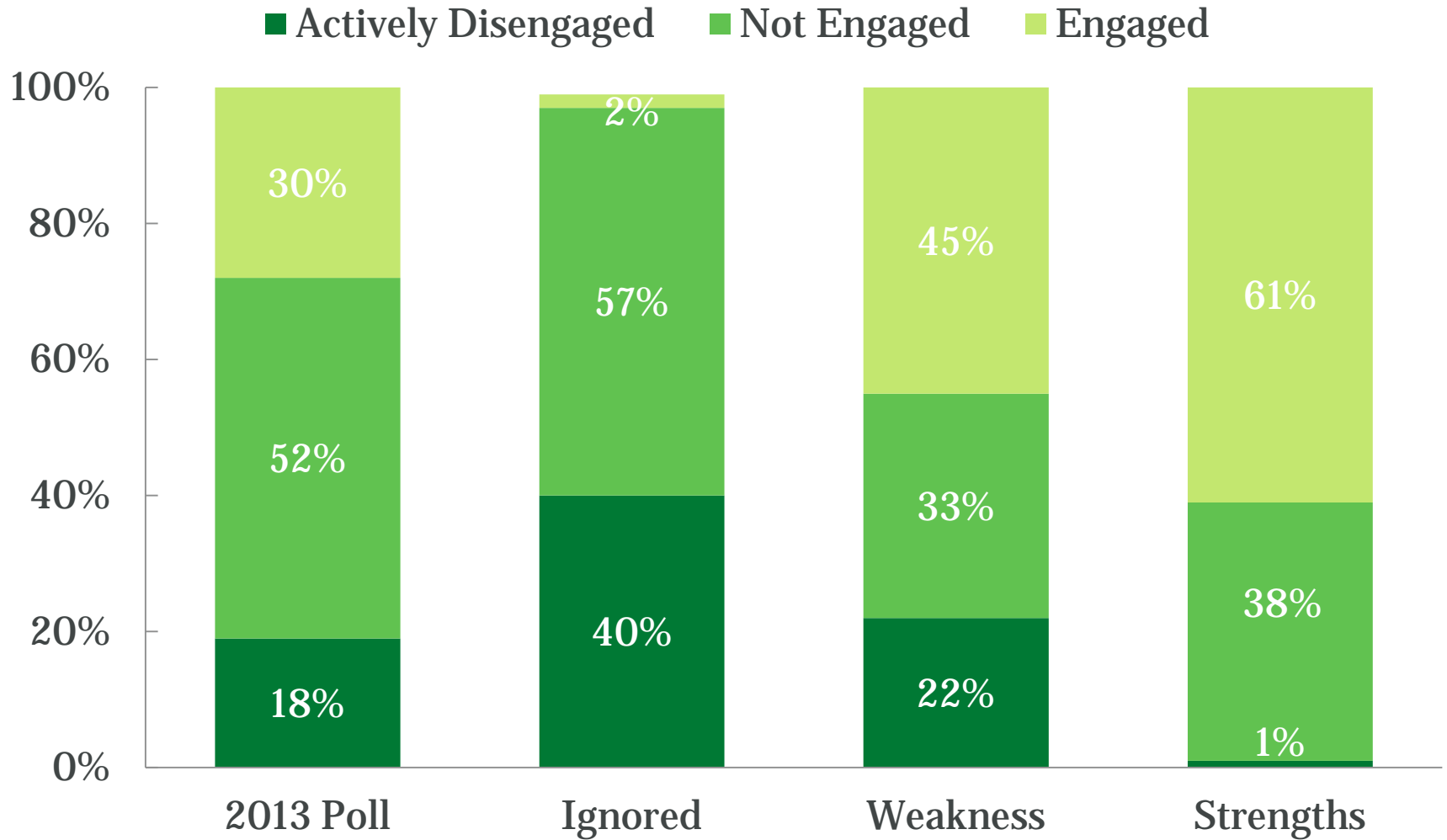
DEMAND FOR HIGHER EDUCATION IS HIGH…

95% say it is very important to somewhat important to have a ***certificate or degree beyond high school***

41% of Americans, in the last 12 months, have thought about ***going back to get a certificate or degree***

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…BUT QUALITY IS IN QUESTION…

HALF (46%) say U.S. higher education is the *same or worse* than higher education in *other countries*

58% say U.S. higher education is the *same or worse* than it's been *in the past*

	% strongly agree
Traditional colleges and universities offer high-quality education	29%
Community colleges offer high-quality education	19%

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…AND QUALITY IS DEFINED BY A GOOD JOB

AMERICANS: "very important" reason for getting education beyond high school (Gallup/Lumina poll)

To Get a Good Job   67%

Top reasons FRESHMEN cite for going to college (UCLA CIRP)

To Get a Good Job   88%

PARENTS OF 5TH-12TH GRADERS: "very important" reason for getting education beyond high school (Gallup/IHE poll)

To Get a Good Job   38%

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IN THE FUTURE: GOOD JOBS ≠ 'COLLEGE'

- Parents of 5th-12th graders

Pathways to a Good Job

% of Parents Who Say Path Could Lead to Good Job

14
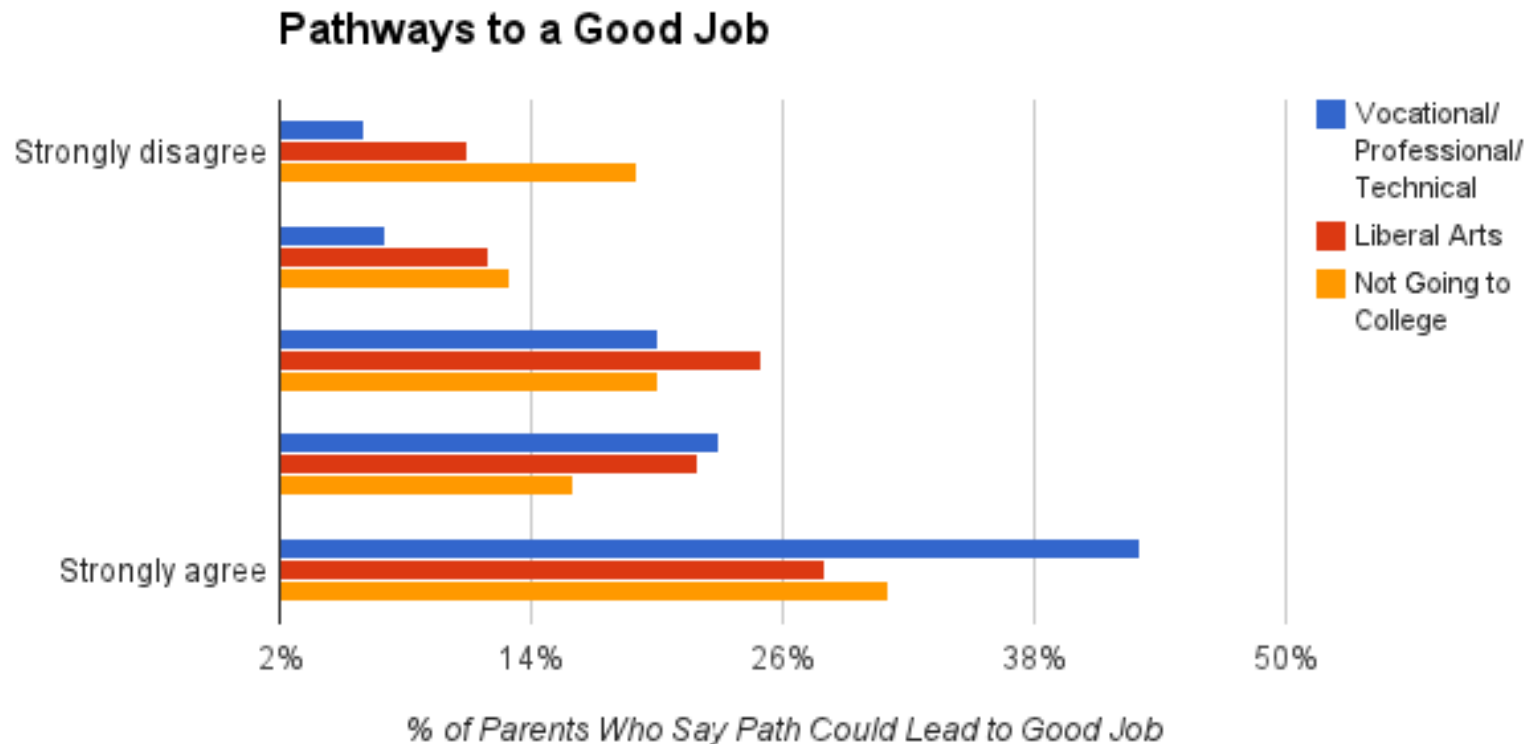
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GALLUP-PURDUE INDEX
GREAT JOBS AND GREAT LIVES

WORKPLACE ENGAGEMENT – GREAT JOBS

12%
ACTIVELY DISENGAGED

39%
ENGAGED

49%
NOT ENGAGED
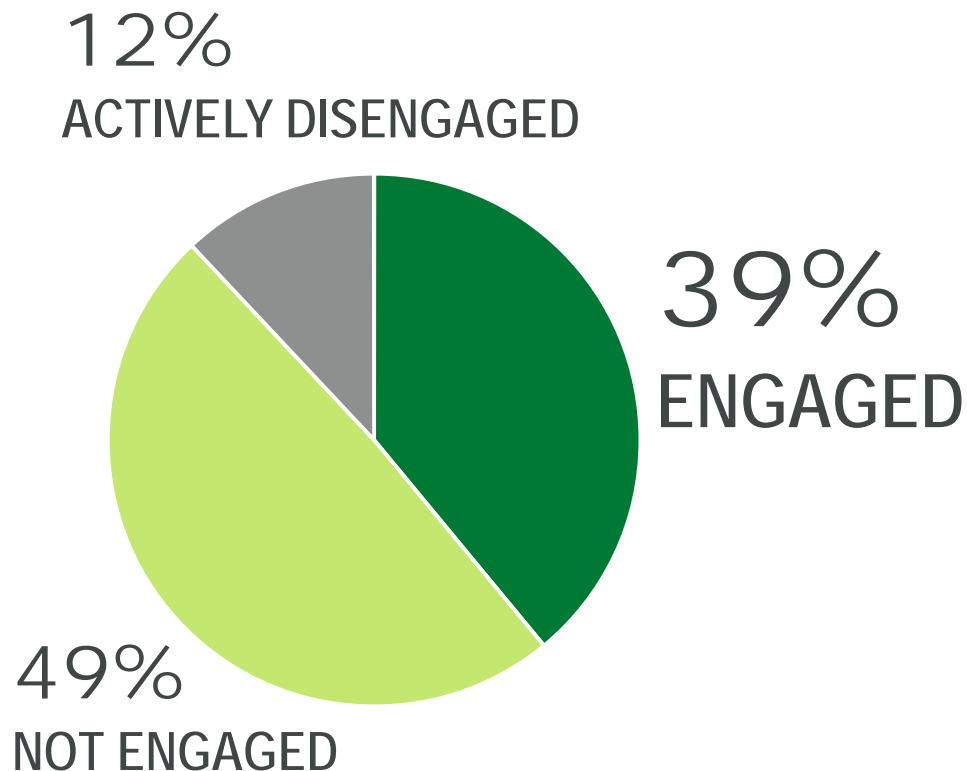
Male grads more likely to be **employed** full-time for an employer than female grads

63% vs. 52%

MALE   FEMALE

Female grads more likely to be **engaged** in their jobs than male grads

42% vs. 36%

FEMALE   MALE

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WELL-BEING – GREAT LIVES

Majority of graduates thriving in at least one domain of well-being:

54%
PURPOSE

35%
PHYSICAL

49%
SOCIAL

47%
COMMUNITY

42%
FINANCIAL
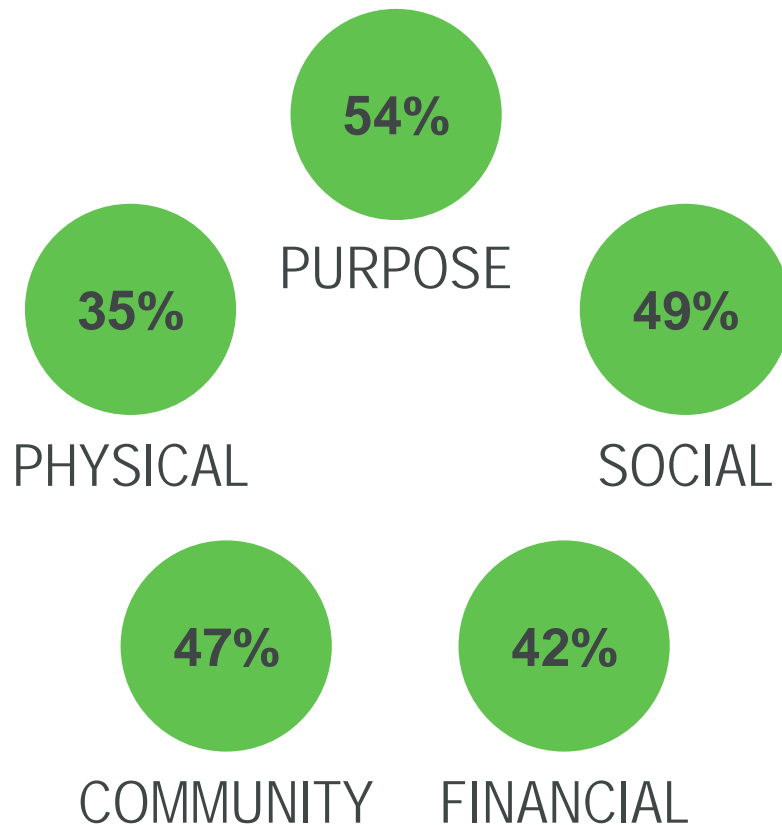
- Only **11%** thriving in all 5 elements of well-being

- **More than one in six** not thriving in any

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IT'S NOT WHERE YOU GO…

No Difference in Workplace Engagement or Well-being of Graduates Between:

Public vs. private non-profits

Highly selective institutions and rest

Top 100 ranked schools in *US News & World Report* and rest

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IT'S HOW YOU DO IT…

Graduates who were
"emotionally supported" during college have more than

double
the odds of being
ENGAGED in their work and nearly

3x
as likely to be
THRIVING in their well-being

- – "At least one professor who made me excited about learning"
- – "Professors cared about me as a person"
- – "A mentor who encouraged my hopes and dreams"

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IT'S HOW YOU DO IT…

Graduates who had
"experiential and deep learning" have more than

double the odds of being *ENGAGED* in their work and

more are thriving (13% vs. 10%)

- – "Long-term project taking a semester or more to complete"
- – "Internship or job where applied learning"
- – "Extremely involved in extra-curricular activities & organizations"

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MAJORS ARE MINOR

Full-time Employment

Major

- Science — 63%
- Business — 61%
- Social Sciences — 53%
- Arts & Humanities — 52%

Engagement At Work

Major

- Social Sciences — 41%
- Arts & Humanities — 41%
- Science — 38%
- Business — 37%

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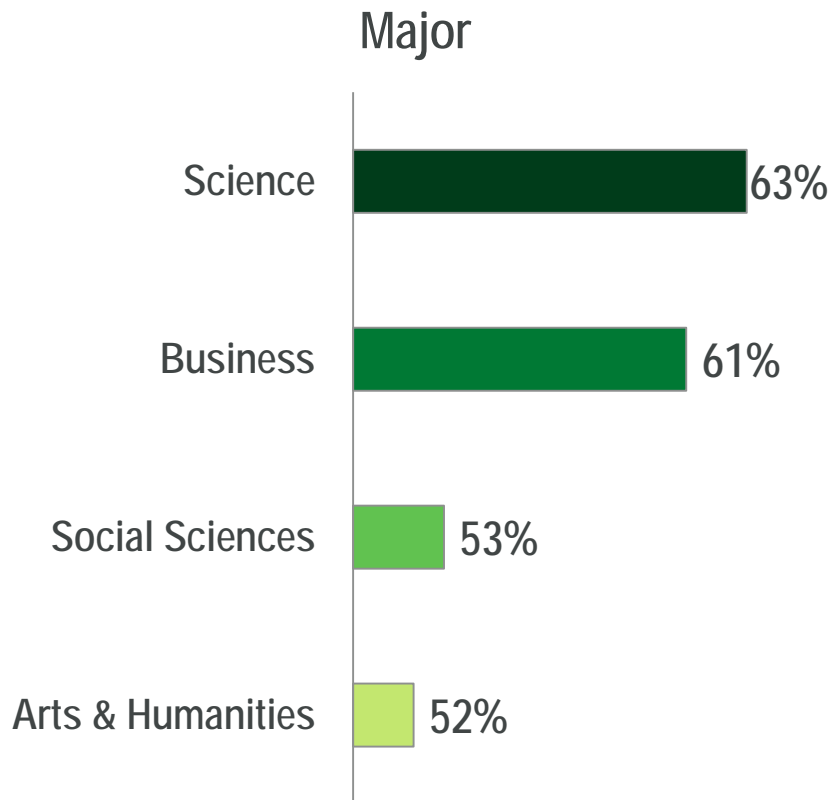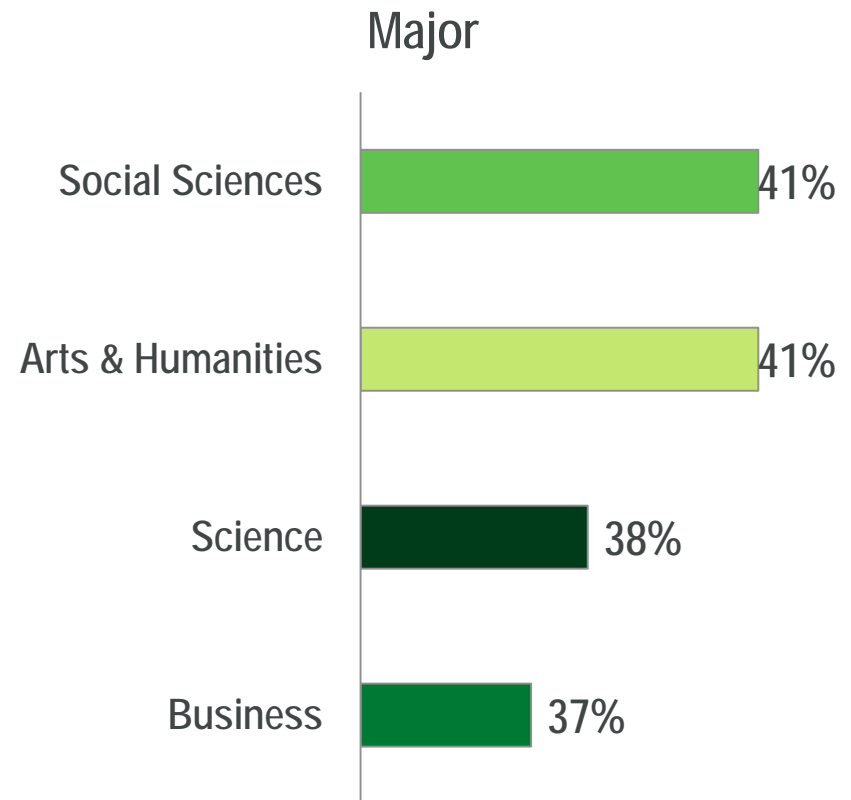
THE AMERICAN DREAM COMES TRUE

No Difference in Workplace Engagement or Well-being | by race/ethnicity or whether graduate had been first in family to attend college

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STUDENT LOANS CAN CRUSH WELL-BEING

- Graduates who took out between $20,000 and $40,000 in undergraduate student loan debt are more than ***3x less likely to be thriving*** in their well-being compared to those with no loan debt

Loan Debt for Undergraduate Education and Well-Being

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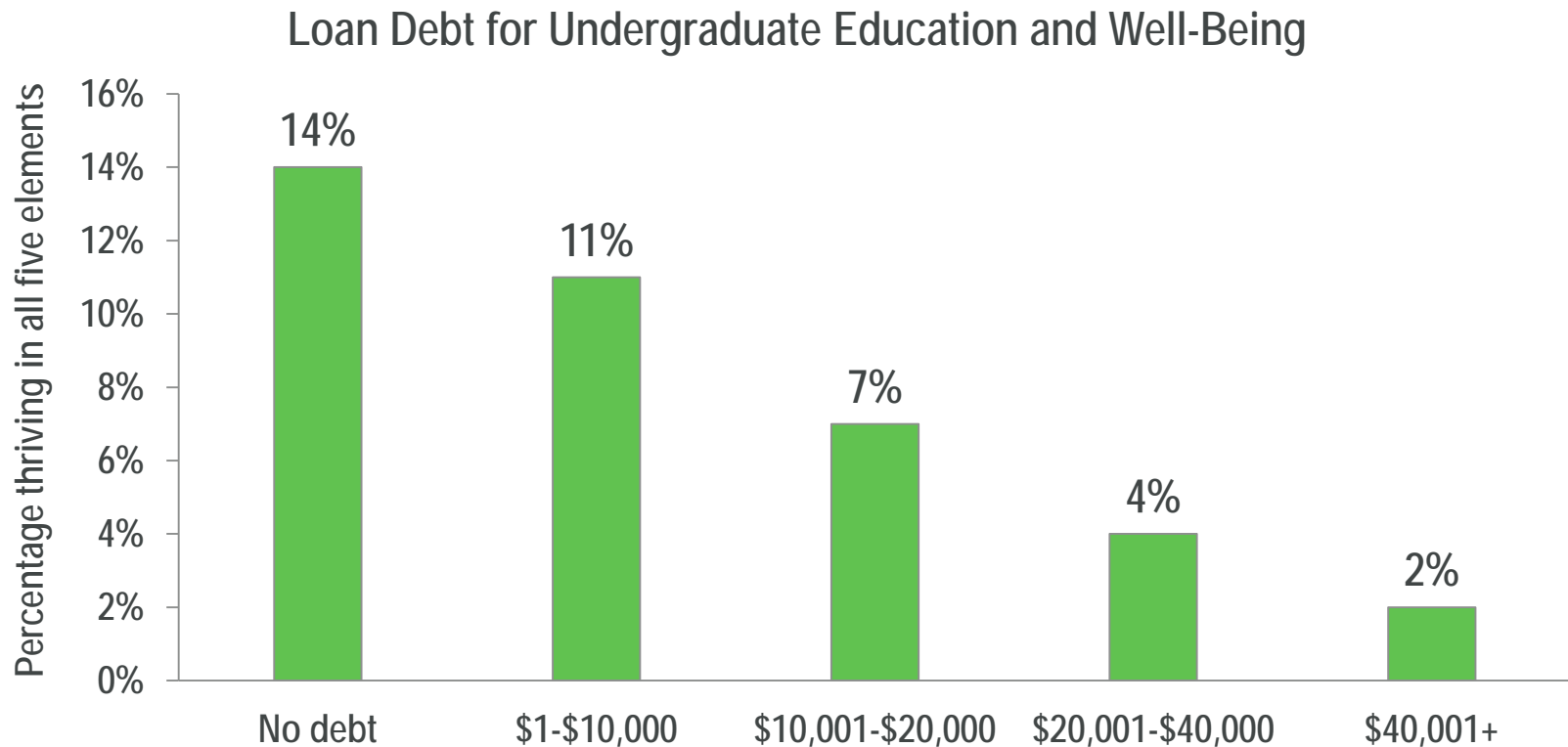
...AND THEY CAN STIFLE ENTREPRENEURSHIP

Loan Debt for Undergraduate Education and Starting Business

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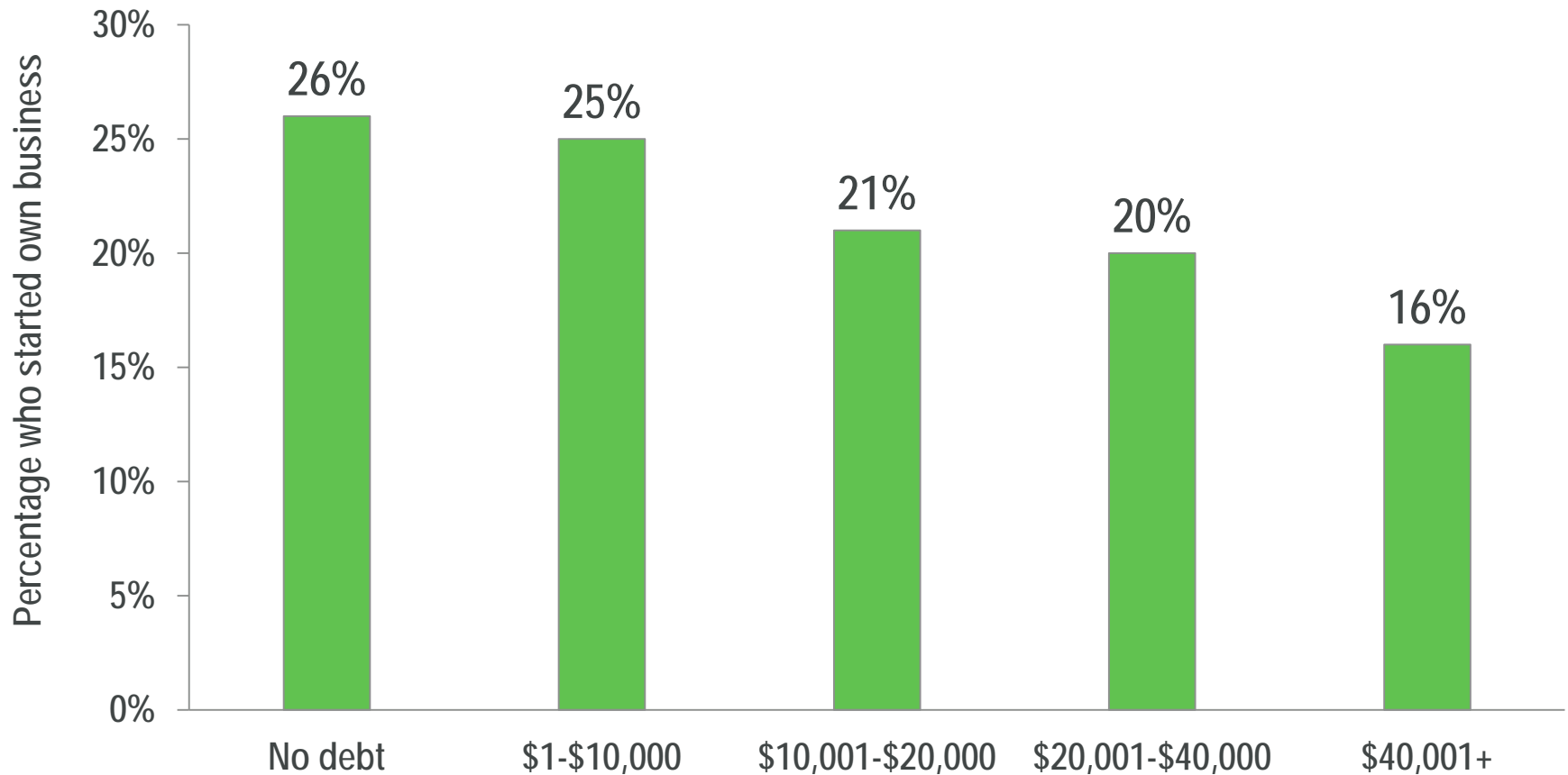
PROVIDING EMOTIONAL SUPPORT

63% "Professor who made me excited about learning"

27% "Professors cared about me as a person"

22% "Mentor who encouraged hopes and dreams"

14%

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PROVIDING EXPERIENTIAL AND DEEP LEARNING

32% "Worked on a long-term project"

29% "Internship or job that applied learning"

6%

20% "Extremely involved in extra-curricular"

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THE WINNING COMBINATION FOR LIFE & WORK

3%

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MINUTES

September 15, 2014

The Board of Visitors of Virginia Polytechnic Institute and State University met on Monday, September 15, 2014, at 1:15 p.m. in Torgersen Boardroom (Room 2100), Virginia Tech Campus, Blacksburg, Virginia.

Present	**Absent**

Present
Mr. James L. Chapman, IV (Vice-Rector)
Dr. Nancy V. Dye
Mr. William D. Fairchild, III
Mr. Cordel Faulk
Mr. B. Keith Fulton
Mr. John C. Lee, IV
Ms. Deborah Leigh Martin Petrine (Rector)
Mr. Michael J. Quillen
Rev. Wayne H. Robinson
Dr. J. Thomas Ryan
Mr. Mehul P. Sanghani
Mr. Steve Sturgis
Mr. Dennis H. Treacy
Mr. Horacio A. Valeiras

Constituent Representatives:
Dr. Bernice L. Hausman, Faculty Representative
Mr. Walter D. Cook III (Dan), Staff Representative
Ms. S. Ashley Francis, Graduate Student Representative
Mr. Austin Larrowe Undergraduate Student Representative

Also present were the following: President Timothy Sands, Ms. Shelia Collins, Mr. John Cusimano, Ms. Wanda Dean, Dr. Karen DePauw, Dr. John Dooley, Dr. Jack Finney, Dr. Elizabeth Flanagan, Chief Kevin Foust, Dr. Guru Ghosh, Ms. Hunter Gresham, Ms. Natalie Hart, Ms. Kay Heidbreder, Mr. Larry Hincker, Mr. Tim Hodge, Dr. Rachel Holloway, Ms. Heidi McCoy, Dr. Stephen McKnight, Dr. Mark McNamee, Dr. Scott Midkiff, Mr. Mike Mulhare, Ms. Kim O'Rourke, Mr. Mark Owczarski, Dr. Patty Perillo, Dr. Ellen Plummer, Ms. Savita Sharma, Mr. Dwight Shelton, Dr. Ken Smith, Ms. Sandra Smith, Dr. Tom Tillar, Dr. David Travis, Dr. Robert Walters, Dr. Sherwood Wilson, faculty, staff, students, guests, and reporters.

* * * * *

Rector Petrine welcomed the new Board members, Reverend Robinson, Mr. Sanghani, and Mr. Valeiras, and the new representatives to the Board, Dr. Hausman, Mr. Cook, Ms. Francis, and Mr. Larrowe.

* * * * *

Rector Petrine announced the Board of Visitors' meeting dates for 2015:

March 29-30, 2015
May 31-June 1, 2015
August 30-31, 2015
November 8-9, 2015

* * * * *

Rector Petrine asked for a motion to approve the minutes of the June 2, 2014, meeting as distributed. The motion was made by Mr. Treacy and seconded by Mr. Faulk. The minutes were approved unanimously.

* * * * * * * * * *

REPORT OF THE ACADEMIC AFFAIRS COMMITTEE

Rector Petrine called on Mr. Treacy for a report of the Academic Affairs Committee. (Copy filed with the permanent minutes and marked Attachment A.)

* * * * *

As part of the Academic Affairs Committee report, approval of the following resolution was moved by Mr. Treacy, seconded by Mr. Lee, and approved unanimously.

Resolution for Ratification of Changes to the 2014-2015 Faculty Handbook

That the 2014-2015 Faculty Handbook be ratified. (Copy filed with the permanent minutes and marked Attachment B.)

* * * * *

As part of the Academic Affairs Committee report, approval of the following resolution was moved by Mr. Treacy, seconded by Mr. Lee, and approved unanimously.

**Resolution for Approval of Changes to University Policy 1025:
Anti-Discrimination and Harassment Prevention Policy**

That the resolution to revise policy 1025 be approved. (Copy filed with the permanent minutes and marked Attachment C.)

* * * * * * * * *

REPORT OF THE BUILDINGS AND GROUNDS COMMITTEE

Rector Petrine called on Mr. Fairchild for a report of the Buildings and Grounds Committee. (Copy filed with the permanent minutes and marked Attachment D.)

* * * * *

As part of the Buildings and Grounds Committee report, approval of the following resolution was moved by Mr. Fairchild, seconded by Mr. Faulk, and approved unanimously.

Resolution for Approval of Appointment to the New River Valley Regional Water Authority

That the resolution reaffirming Sherwood G. Wilson, Vice President for Administration, as the university's representative to the Blacksburg-Christiansburg-VPI Water Authority through June 25, 2016, be approved. (Copy filed with the permanent minutes and marked Attachment E.)

* * * * *

As part of the Buildings and Grounds Committee report, approval of the following resolution was moved by Mr. Fairchild, seconded by Mr. Fulton, and approved unanimously.

Resolution for Approval of Hoge Estate Easement and Land Exchange

That the resolution authorizing the Vice President for Administration to execute the documents necessary to convey a temporary easement followed by a fee conveyance of 1.51 acres of Virginia Tech real property for 22.90 acres of real property from the heirs and devisees of James Tyler Otey Hoge, Jr., be approved. (Copy filed with the permanent minutes and marked Attachment F.)

* * * * *

As part of the Buildings and Grounds Committee report, approval of the following resolution was moved by Mr. Fairchild, seconded by Mr. Fulton, and approved unanimously.

Resolution for Approval of Appalachian Power Company Easement

That the resolution authorizing the Vice President for Administration to execute the easement to Appalachian Power Company be approved. (Copy filed with the permanent minutes and marked Attachment G.)

* * * * *

As part of the Buildings and Grounds Committee report, approval of the following resolution was moved by Mr. Fairchild, seconded by Mr. Fulton, and approved unanimously.

Resolution for Approval of the Sale of Timber at the Southern Piedmont Agricultural Research and Extension Center (AREC)

That the resolution authorizing the Vice President for Administration, or his successor, to execute the necessary documents to sell the timber and directing that the timber proceeds be expended on site at the Southern Piedmont Agricultural Research and Extension Center be approved. (Copy filed with the permanent minutes and marked Attachment H.)

* * * * *

As part of the Buildings and Grounds Committee report, approval of the following resolution was moved by Mr. Fairchild, seconded by Mr. Fulton, and approved unanimously.

Resolution for Approval of the Virginia Department of Transportation Nottoway County Bridge Replacement

That the resolution authorizing the Vice President for Administration, or his successor, to execute the necessary documents to convey the fee simple title and create temporary and permanent easements relative to said VDOT Project and for the proceeds, if any, to be expended at the direction of the U.S. Department of Education and in accordance with the provisions in the Application for Public Allowance Acquisition dated November 2, 1998, be approved. (Copy filed with the permanent minutes and marked Attachment I.)

* * * * *

As part of the Buildings and Grounds Committee report, approval of the following resolution was moved by Mr. Fairchild, seconded by Mr. Fulton, and approved unanimously.

Resolution for Approval of Demolition of University Buildings

That the resolution authorizing the demolition of stables No. 702 and No. 706 be approved. (Copy filed with the permanent minutes and marked Attachment J.)

* * * * * * * * * *

REPORT OF THE FINANCE AND AUDIT COMMITTEE

Rector Petrine called on Mr. Chapman for the report of the Finance and Audit Committee. (Copy filed with the permanent minutes and marked Attachment K.)

* * * * *

As part of the Finance and Audit Committee report, approval of the following resolution was moved by Mr. Chapman, seconded by Mr. Quillen, and approved unanimously.

Resolution for Approval of the Year-to-Date Financial Performance Report (July 1, 2013 – June 30, 2014)

That the report of income and expenditures for the University Division and the Cooperative Extension/Agricultural Experiment Station Division for the period of July 1, 2013, through June 30, 2014, and the Capital Outlay report be accepted. (Copy filed with the permanent minutes and marked Attachment L.)

* * * * *

As part of the Finance and Audit Committee report by Mr. Chapman and with the endorsement of the Buildings and Grounds Committee, the following resolution was moved by Mr. Chapman, seconded by Mr. Quillen, and approved unanimously.

Resolution for Approval of Constructing the
South Recreation Field Surface Replacement

That the resolution authorizing Virginia Tech to complete the design, construction, and equipping of the South Recreation Field Surface Replacement project be approved. (Copy filed with the permanent minutes and marked Attachment M.)

* * * * * * * * * *

REPORT OF THE RESEARCH COMMITTEE

Rector Petrine called on Mr. Lee for the report of the Research Committee. (Copy filed with the permanent minutes and marked attachment N.)

* * * * *

As part of the Research Committee report by Mr. Lee, the following resolution was moved by Mr. Lee, seconded by Dr. Ryan, and approved unanimously.

Resolution for Approval of Appointments to the Virginia Coal and
Energy Research and Development Advisory Board

That the resolution reappointing Jerry Grantham as a member of the Virginia Center for Coal and Energy Research and Development Advisory Board for 2014-2018, and appointing Barbara Altizer and John Reinhart as members of the Virginia Center for Coal and Energy Research and Development Advisory Board for 2014-2018 be approved. (Copy filed with the permanent minutes and marked Attachment O.)

* * * * *

As part of the Research Committee report by Mr. Lee, the following resolution was moved by Mr. Lee, seconded by Dr. Ryan, and approved unanimously.

Resolution for Approval for Exclusion of Certain Officers/Directors

That the resolution be approved. (Copy filed with the permanent minutes and marked Attachment P.)

* * * * * * * * * *

REPORT OF THE STUDENT AFFAIRS AND ATHLETICS COMMITTEE

Rector Quillen called on Mr. Faulk for the report of the Student Affairs and Athletics Committee. (Copy filed with the permanent minutes and marked Attachment Q.)

* * * * * * * * * * *

PRESIDENT'S REPORT

Report of Research and Development Disclosures

As part of the President's report, President Sands shared with the Board the **Report of Research and Development Disclosures** – for information only, no action needed. (Copy filed with the permanent minutes and marked Attachment R.)

* * * * *

As part of the President's report, President Sands shared with the Board the **Atlantic Coast Conference (ACC) Governing Board Annual Certification** – for information only, no action needed. (Copy filed with the permanent minutes and marked Attachment S.)

* * * * *

As part of the President Sands' report, he asked for a motion to approve three resolutions of appreciation for Board members whose terms expired in June 2014. Approval of the following resolutions was moved by Mr. Quillen, seconded by Mr. Chapman, and approved unanimously:

Resolution of Appreciation Honoring William Holtzman

Resolution of Appreciation Honoring Suzanne Obenshain

Resolution of Appreciation Honoring John Rocovich

(Copies filed with the permanent minutes and marked Attachment T.)

* * * * *

President Sands commented on the following highlights of his first months at Virginia Tech:

Academic
- He recently attended an event commemorating the 50th Anniversary of the College of Architecture and Urban Studies celebrating the college and its history.

- The dual accreditation of the Virginia Tech Carilion School of Medicine is a fantastic achievement, made possible by the hard work of many people. This is a wonderful milestone, but as Dr. McNamee mentioned to the Academic Affairs Committee, there remains much work to be done. He is very optimistic about the School of Medicine and also the Research Institute.

- Based on his observations to date, President Sands feels that Virginia Tech has done an amazing job of moving the interdisciplinary spirit of the institution down into the undergraduate programs, which differentiates Virginia Tech from other universities and will be a magnet to draw students. As an example, he cited the successful Real Estate program.

Social
- Participating in Hokie Camp was not only a fun experience, but also an opportunity to see how the 18-year-olds are integrating themselves and how the Hokie Camp experience accelerates that.

- He has learned in the past that it is important to not only rely on the deans, provosts, and senior administrators to understand what the faculty are thinking but to actually bring faculty together in groups and have conversations. Faculty have been offered an opportunity to sign up in groups of 10 to 15 for scheduled luncheons at The Grove. The idea is to bring people together that may not even know each other and hear about the strengths, weaknesses, and challenges of the institution and the things that keep them at Virginia Tech.

Groups

- The President's Advisory Group is a newly-formed group consisting of the four representatives to the Board of Visitors as well as student leadership and a few others. The group has met once and will get together soon. This is a chance to have student leadership and faculty and staff leadership discuss what they are thinking about pushing forward and looking for alliances early in the process. He is looking forward to continued meetings with this group.

- President Sands said he has had the opportunity to meet with quite a few alumni groups in the last several weeks and months. When the alumni ask, "What can we do for you?" He has been emphasizing the importance of mentoring and internships to undergraduates as well as financial support.

<u>Installation</u>

- October 17th Installation – President Sands said his speech will touch upon the current budget restrictions, the university's work on inclusion, and some of the information received from Mr. Brandon Busteed's (Gallup Education) presentation to the Board entitled, "Gallup Research on Higher Education and the Long-Term Outcomes of Graduates," as well Virginia Tech's engagement with the rest of the world.

<u>Inclusion and Diversity</u>

- President Sands said the university is going to a new model that is a bit of an experiment modeled after best practices at other universities. There is much excitement about the focus on accountability. President Sands announced that he will host an information forum on Virginia Tech's initiative to advance and revitalize inclusion and diversity efforts on Monday, September 29, from 1:00 to 3:00 p.m. in the Latham Ballroom at the Inn at Virginia Tech. All members of the campus community are invited to discuss the university's commitments to inclusion and diversity and provide input into the evolving organizational structure. The forum will include comments from President Sands, Senior Vice President and Provost McNamee, and other university representatives.

- In conclusion, President Sands thanked the Board for their action on university Policy 1025, "Anti-Discrimination and Harassment Prevention," that supports the university's intent to reaffirm the Principles of Community with the new language as modified in the policy. He said the support is important for the perception and the reality of Virginia Tech as an inclusive institution.

President Sands called on Mr. Shelton for a budget update. Mr. Shelton reported that there had been some welcome news from Richmond. A statement from Governor McAuliffe's office indicated that there had been a bipartisan agreement on budget actions, essentially to try to close this current year's budget issue and set up plans to deal with the second year. He quoted from the Governor's statement, "While the budget shortfall is forcing us to tighten our belts, I am proud that we were able to protect many of our core democratic priorities, including health care and K-12 funding for this fiscal year. The plan also prioritizes higher education by reducing the average budget reduction for public colleges and universities from an expected 5 percent to 3.3 percent for FY15. As we move forward, it is my hope that we can find other constructive ways to work together to build a new Virginia economy." Mr. Shelton explained that at this time, it is not known what that means for each institution.

* * * * * * * * * *

Motion to Begin Closed Session

Mr. Chapman moved that the Board convene in a closed meeting, pursuant to § 2.2-3711, <u>Code of Virginia</u>, as amended, for the purposes of discussing:

1. Appointment of faculty to Emeritus status, consideration of individual salaries of faculty, consideration of Endowed Professors, review of departments where specific individuals' performance will be discussed, and consideration of personnel changes including appointments, resignations, tenure, and salary adjustments of specific employees and faculty leave approvals.

2. The status of current litigation and briefing on actual or probable litigation.

3. Special recognitions.

all pursuant to the following subparts of 2.2-3711 (A), <u>Code of Virginia</u>, as amended, .1, .7, and .10.

The motion was seconded by Mr. Fulton and passed unanimously.

* * * * *

Litigation Report

Not for Approval

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Motion to Return to Open Session

Following the Closed Session, members of the media, students, and the public were invited to return to the meeting. Rector Petrine called the meeting to order and asked Mr. Chapman to make the motion to return to open session.

Mr. Chapman made the following motion:

> **WHEREAS**, the Board of Visitors of Virginia Polytechnic Institute and State University has convened a closed meeting on this date pursuant to an affirmative recorded vote and in accordance with the provision of The Virginia Freedom of Information Act; and
>
> **WHEREAS**, Section 2.2-3712 of the <u>Code of Virginia</u> requires a certification by the Board of Visitors that such closed meeting was conducted in conformity with Virginia law;
>
> **NOW, THEREFORE, BE IT RESOLVED** that the Board of Visitors of Virginia Polytechnic Institute and State University hereby certifies that, to the best of each member's knowledge, (i) only public business matters lawfully exempted from open meeting requirements by Virginia law were discussed in the closed meeting to which this certification resolution applies, and (ii) only such public business matters as were identified in the motion convening the closed meeting were heard, discussed or considered by the Board of Visitors.

The motion was seconded by Mr. Faulk and passed unanimously.

* * * * *

Upon motion by Mr. Chapman and second by Mr. Treacy, approval was given to the resolutions for approval of **Naming of a University Facility (38)** as considered in Closed Session. (Copies filed with the permanent minutes and marked Attachment U.) Mr. Quillen abstained from voting on the Quillen resolution only.

* * * * *

Upon motion by Mr. Chapman and second by Mr. Treacy, approval was given to the resolutions for approval of **Emeritus status (14)** as considered in Closed Session. (Copies filed with the permanent minutes and marked Attachment V.)

* * * * *

Upon motion by Mr. Chapman and second by Mr. Treacy, approval was given to the resolutions for approval of **Endowed Chairs, Professorships, and Fellowships (10)** as considered in Closed Session. This item was reviewed by the Finance & Audit and Academic Affairs Committees. (Copies filed with the permanent minutes and marked Attachment W.)

* * * * *

Upon motion by Mr. Chapman and second by Mr. Treacy, approval was given to the **Resolutions for Approval of Exceptions to the Conflict of Interest Act (2)** as considered in Closed Session. (Copies filed with the permanent minutes and marked Attachment X.)

* * * * *

Upon motion by Mr. Chapman and second by Mr. Treacy, approval was given to the resolution for ratification of the **Personnel Changes Report** as considered in Closed Session. This item was reviewed by the Finance & Audit and Academic Affairs Committees. (Copy filed with the permanent minutes and marked Attachment Y.)

* * * * *

Upon motion by Mr. Chapman and second by Mr. Treacy, approval was given to the **Resolution to Request the Establishment of an Operating Fund in the Virginia Tech Foundation, Inc.** as considered in Closed Session. (Copy filed with the permanent minutes and marked Attachment Z.)

* * * * *

Constituent Reports (no action required)

Undergraduate Student Representative to the Board – Mr. Austin Larrowe
Graduate Student Representative to the Board – Ms. Ashley Francis
Staff Representative to the Board – Mr. Dan Cook
Faculty Representative to the Board – Dr. Bernice Hausman

(Copies filed with the permanent minutes and marked Attachment AA.)

* * * * *

Rector Petrine thanked Dr. Dye for her suggestion to have business cards printed for Board members to use when representing the university; the business cards were distributed at the meeting.

The date for the next regular meeting is November 9-10, 2014, in Blacksburg, Virginia.

* * * * *

Following a motion by Mr. Chapman and second by Mr. Lee, the meeting was adjourned at 4:00 p.m.

Deborah Petrine, Rector

Kim O'Rourke, Secretary

13

Committee Meeting Minutes

ACADEMIC AFFAIRS COMMITTEE

Drillfield Room
Inn at Virginia Tech and Skelton Conference Center
9:00 – 11:30 a.m.

September 15, 2014

Board Members Present:

Dennis Treacy (Chair), Nancy Dye, John Lee, Tom Ryan, Ashley Francis (graduate student representative), Deborah Petrine (Rector).

Guests:

Emily Africa, Kevin Boyle, Kris Bush, Cyril Clarke, Crystal Crockett, Chris Davidson, Rami Dalloul, Wanda Hankins Dean, Karen DePauw, Charley Dixon, Jack Finney, Ira Futterkrecht, Guru Ghosh, Cathy Grimes, Tammy Jo Gwynn, Natalie Hart, Kay Heidbreder, Rachel Holloway, Hal Irvin, Mildred Johnson, Timothy Kinoshita, Monika Lawless, Marlena Lester, Roxanna Link, Chad Mandala, Christina McIntyre, Mark McNamee, Homero Murzi, Steven McKnight, Dan Nguyen, Kim O'Rourke, Ellen Plummer, Valerie Raga, Kelly Rawlings, Karen Eley Sanders, Timothy Sands, Marcy Schnitzer, Amber Smith, Natasha Smith, Ken Smith, Judy Taylor, Sara Taylor, Kenneth Stevens, Latanya Walker, Robert Walters, Glenda Young.

OPEN SESSION

1. **Welcome.**
   Dennis Treacy welcomed committee members and guests and asked that attendees introduce themselves.

2. **Approval of Minutes.**

   A motion passed unanimously to approve the minutes of the committee's June 2, 2014 meeting.

3. **Report of Closed Session Action Items.** The committee approved a resolution to move into closed session to consider 14 emeritus resolutions, 10 resolutions for appointments to endowed professorships, two exemptions to the Virginia Conflict of Interest Act, and to ratify the Faculty Personnel Changes Report.

   All resolutions were unanimously approved and the report was ratified. The session was formally certified and the committee moved to open session.

4. **Provost's Update.** Mark McNamee, senior vice president and provost, introduced Elizabeth Spiller as dean of the College of Liberal Arts and Human Sciences. The committee received preliminary fall 2014 enrollment numbers: 5,455 new freshmen enrolled (the university's goal is 5400); there are 24,377 undergraduate students, 6,497 graduate students, and 464 veterinary medicine students for a total of 31,338 enrolled students at all the university's campus locations. Freshmen underrepresented students include 211 students who identify as African American (a 14.6% increase over 2013), 298 students who identify as Hispanic of any race (an increase of 5.4% over 2013), and 250 students who identify as Two or More Races (an increase of 10.1% over 2013).The committee reviewed its 2013-2014 accomplishments and the list of agenda topics for the upcoming year. The Virginia Tech Carilion School of Medicine received full accreditation and a working group has been established to consider the relationship between the school and the university.

5. **Faculty Affairs.**

   a. Resolution to Ratify the 2014 - 2015 Faculty Handbook. Jack Finney, vice provost for faculty affairs, asked the committee to ratify the 2014-2015 Faculty Handbook.

   The Resolution to Ratify the 2014 - 2015 Faculty Handbook was approved unanimously.

   b. Resolution to Approve Changes to University Policy 1025: Anti-Discrimination and Harassment Prevention Policy. Jack Finney asked the committee to approve a resolution adding gender identity and gender expression to the university's anti-discrimination policy. The committee asked about how the changes to the policy might impact the university's budget. Kay Heidbreder, university legal counsel, provided background information regarding the university's anti-discrimination policy. The financial impact of adopting these changes to the university's anti-discrimination policy is limited to programs and services over which the university has financial authority. For example, as part of the university's state restructuring agreement, the university agreed to participate in the state's health insurance plan. Medical expenses are covered by the employee's health insurance. Governor McAuliffe's Executive Order Number One (January, 2014) has resulted in additional examination of the state's health insurance costs. Other possible costs, such as those that might be associated with facilities, are expected to be minimal and are currently unknown. As a state agency and federal contractor, the university is obligated to comply with state and federal law and regulations. In addition to the Governor's executive order, a federal executive order (July, 2014) amended Federal Executive Order 11478, Equal Employment Opportunity in the Federal Government, and Federal Executive Order 11246, Equal Employment Opportunity. Twenty four of 25 State Council of Higher Education for Virginia (SCHEV) peer

universities include gender identity and/or gender expression in their institutional anti-discrimination policy.

The Resolution to Approve Changes to University Policy 1025: Anti-Discrimination and Harassment Prevention Policy passed unanimously.

6. **Academic Affairs.**

   a. B.S. in Real Estate Progress Report. Kevin Boyle, professor and director of Virginia Tech's Program in Real Estate, reported on the progress of the degree. Six colleges are involved in delivering the curriculum to over 70 majors. Progress on the degree has exceeded expectations. The program anticipates awarding 15 degrees in May of 2015. The program benefits from strong support from donors, alumni, and industry. Professor Boyle introduced three real estate students who won the Meritage Homes Competiton: Charley Dixon, Ira Futterknecht, and Dan Nguyen.

   b. Southern Association of Colleges and Schools Committee on Colleges (SACSCOC) update. Ken Smith, vice provost for resource management and institutional effectiveness, updated the committee on preparations and progress towards completing the university's five year interim report for SACSCOC. Internal deadlines for materials are on track for the report due to SACSCOC on March 25, 2015.

7. **Inclusive Excellence.**

   a. Inclusion and Diversity. David Travis, interim vice provost for inclusion and diversity, reviewed activities associated with the implementation of a new organizational structure designed to improve accountability and shared responsibility for university-wide inclusion and diversity efforts. The structure includes an executive council chaired by President Sands and a group of coordinators who will provide expertise and support to colleges, vice presidential areas, and other university units to implement selected initiatives designed to advance the university's strategic goals.

   Committee members expressed their support of the university's efforts. An information forum scheduled for September 29, 2014 will help the executive council identify initiatives for implementation. Mark McNamee expects to report progress by the end of the academic year. Senior leaders such as deans and vice presidents will identity priorities and benchmarks for progress. The executive committee will annually receive a public report resulting in improved university-wide engagement and accountability.

President Sands provided additional information and believes communication from university leaders and board members is important for advancing responsibility and accountability across the institution. The board will receive ongoing updates as the new model is implemented and progress is made.

8. **Global Strategies.**

   a. Virginia Maryland College of Veterinary Medicine. Cyril Clarke, dean of the Virginia-Maryland College of Veterinary Medicine, discussed the college's exchange program with the Tamil Nadu Veterinary and Animal Sciences University located in Chennai, India. The exchange program provides unique opportunities for students and faculty to learn and study in clinical settings not available in the U.S.

9. **Adjournment.** The meeting adjourned at 11:00 a.m.

A Comprehensive Program
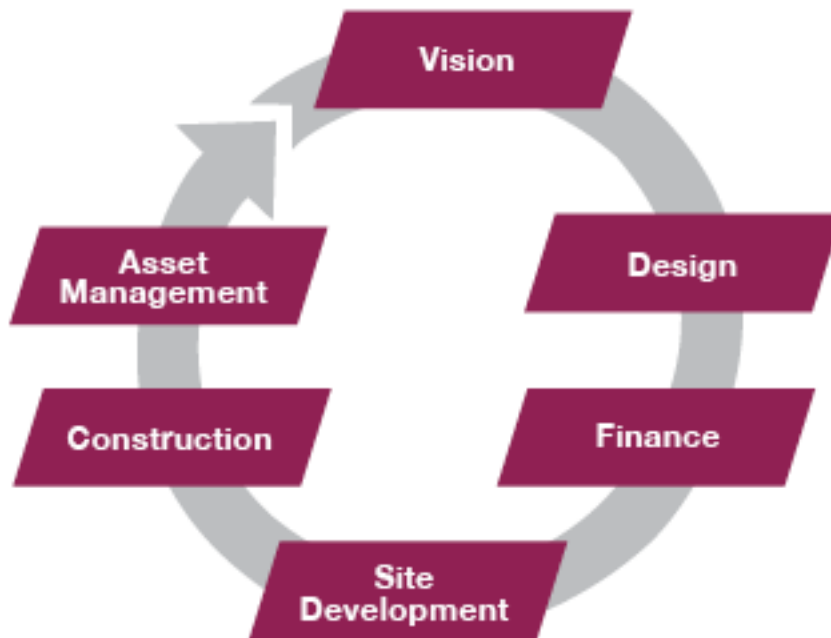
Large, complex commercial, multi-family, and mixed-use projects that include private equity and public-private partnerships.

A Six College Collaboration

College of Agriculture and Life Sciences
- Leon Geyer

College of Architecture and Urban Studies
- Yvan Beliveau

Pamplin College of Business
- Joseph Sirgy

College of Engineering
- Randy Dymond

College of Liberal Arts and Human Sciences
- Rosemary Goss

College of Natural Resources and Environment
- Eric Wiseman

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5. New York U.   6. U of Connecticut

1. U of Pennsylvania

8. U of Illinois-Urbana-Champaign

4. U of California - Berkley

3. U of Georgia

9. U of Southern California

7. U of Florida

10. U of Texas

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- Restricted electives
  - Double major
  - Minor
  - Specialization
- Free electives

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- Accounting
- Agribusiness
- Building Construction
- Finance
- Property Management
- Public and Urban Affairs
- and more!

Exceeded Target Enrollment

- 70+ majors

- 80% of juniors and seniors double major as predicted

- 15 graduates May 2015

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6

Industry and Alumni Promotion

- Alumni Association Networking Event

- Building Owners and Managers Association, National Advisory Committee

- Commonwealth Land 5th Annual Virginia Land Forum

- International Council of Shopping Center's Global Retail Real Estate Convention

- The Old Guard of the Virginia Tech Alumni Association

- Virginia Housing Development Authority Board

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Student Recruitment

- Launched website and social media sites

- University information sessions

  - One-on-one with academic departments

  - Open house for faculty and staff

- Community college outreach

- On-campus visits with prospective students and families

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8

E-newsletters for Industry and Students

www.realestate.vt.edu

Academic-Industry Collaboration

www.realestate.vt.edu
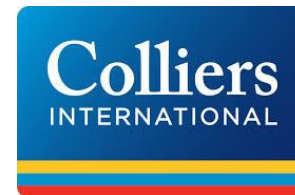
Giving Report

Cumulative gifts to date:

Total major gifts	$1,200,000
Total matching gifts received	$ 20,100
Total annual fund gifts	$ 37,500
Total	**$1,257,600**

Outstanding requests exceed $8 million

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- Inclusive learning environment for all students

    - Great Aspirations Scholarship Program (GRASP)

    - CREW Network Foundation Scholarship

- First-year experience course

- Professional academic advising

- Experiential learning

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Won Meritage Homes Competition

Pictured above (L to R): Charley Dixon, Ira Futterknecht, and Dan Nguyen.
Not pictured: John Deacon.

Planned Activities

- ARGUS and CoStar analysis course during winter term

- Real estate sales course during winter term

- Urban Land Institute Fall Meeting

- Virginia Association of REALTORS Real Show

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Questions?

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Update on SACSCOC Fifth-Year Interim Review

Ken Smith, Vice Provost for Resource Management and Institutional Effectiveness

Academic Affairs Committee of the Board of Visitors

September 9, 2014

Regional Accreditation

- Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)

- *The Principles of Accreditation: Foundations for Quality Enhancement*

- Must demonstrate full-compliance every 10 years. Reaffirmed in 2010.

- Must provide a five year interim report on selected standards and requirements.

Information Management

- Responses to be written:
  - Two core requirements
  - Eight standards and one follow-up from 2010
  - Eleven federal regulations
  - A Quality Enhancement Plan (QEP) report
- For each standard/requirement we will provide:
  - A statement of compliance
  - A narrative description of how we are compliant
  - References that provide evidence of compliance

Information Management

- There are 12 primary authors plus reviewers and many contributors.

- All information will be compiled into an electronic information set for external review.

- Report will be read by designated SACSCOC reviewers to confirm our compliance with standards.

Information Management

- **Affirm** - a web based module of our learning outcomes reporting system specific to accreditation reporting.

- Provides a narrative editor and document management with upload capabilities.

- Tracks progress and provides a communication channel for the distributed project.

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Affirm

Standards Data Entry
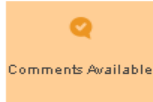
4.8.1   Distance and correspondence education - Verification of student identity

Standard   Edit

An institution that offers distance or correspondence education demonstrates that the student who registers in a distance or correspondence education course or program is the same student who participates in and completes the course or program and receives the credit by verifying the identity of a student who participates in class or coursework by using, at the option of the institution, methods such as (a) secure login and pass code, (b) proctored examinations, or (c) new or other technologies and practices that are effective in verifying student identification.

Narrative   Edit   Annotate +

Virginia Tech is in compliance with the requirement.

Virginia Tech offers distance learning courses at both the undergraduate and graduate levels. The identity of students who participate in these courses is verified through a secure login and pass code using the institutions PID (Personal Identifier) credential. The university PID and password is used to access a variety of university systems and services including access to Scholar, the institutions Course Management System.

The process for obtaining a PID and password begins with the student's application to the institution. PID creation is governed by university policy 7040 Personal Credentials for Enterprise Electronic Services and by the PID Procedures document maintained by the Office of Identity Management Services. http://www.ims.vt.edu/information/download /PID_Procedures.doc

Once an offer of admission is accepted by the student, the student is allowed access to set up a PID and password. This process is controlled through the PID generator application (PIDGEN) which verifies that the student asking for the PID and password is the same person who applied to the institution by re-asking and comparing selected information from the application process. A valid PID is required in order to register for class and to use the Course Management System. All admitted students pay a matriculation fee to enroll in the university but there are no specific charges for any students to create this PID and password.

Policy 7000 outlines the acceptable use and administration of computer and communication systems at Virginia Tech. This policy's guidelines require individuals to protect their PID and password and the system from unauthorized use with their user id and prohibits using another person's user id or password.

4.8.1   Edit

Distance and correspondence education - Verification of student identity

Narrative	▸
Documents (0)	▸
Comments (2)	▸
Author / Contributors	▸

| Comments Available | Not Indicated |

Special   Edit

		(Structure)						
	3.13.5.1	(a) Policy compliance - Branch Campuses	☰	📄	✔	👤	❶ Nothing Entered	✔ Not Applicable
	3.14.1	Publication of accreditation status	☰	📄	✔	👤	❶ Nothing Entered	✔ Not Applicable
	4.1	Student achievement	☰	📄	✔	👤	▶ Draft / In-Progress	● Not Indicated
	4.2	Program curriculum	☰	📄	✔	👤	💬 Comments Available	● Not Indicated
	4.3	Publication of policies	☰	📄	✔	👤	▶ Draft / In-Progress	● Not Indicated
	4.4	Program length	☰	📄	✔	👤	▶ Draft / In-Progress	● Not Indicated
	4.5	Student complaints	☰	📄	✔	👤	❶ Nothing Entered	● Not Indicated
	4.6	Recruitment materials	☰	📄	✔	👤	▶ Draft / In-Progress	● Not Indicated
	4.7	Title IV program responsibilities	☰	📄	✔	👤	▶ Draft / In-Progress	● Not Indicated
	4.8.1	Distance and correspondence education - Verification of student identity	☰	📄	✔	👤	💬 Comments Available	● Not Indicated
	4.8.2	Distance and correspondence education - Protection of student privacy	☰	📄	✔	👤	💬 Comments Available	● Not Indicated
	4.8.3	Distance and correspondence education - Procedure for notification of projected additional charges for verification of student identity	☰	📄	✔	👤	▶ Draft / In-Progress	● Not Indicated
	4.9	Definition of credit hours	☰	📄	✔	👤	▶ Draft / In-Progress	● Not Indicated

2014-15 Preparation and Response Plan

Action:	Target Date	Complete
Notification of Review Received	April 25, 2014	☑
Draft of All Narratives Written	September 15, 2014	☐
Narratives and references uploaded to the Affirm system	October 25, 2014	☐
Final drafts of all materials in affirm	December 5, 2014	☐
Review and copy editing	January - March	☐
Report submitted to SACSCOC	March 25, 2015	☐
Approval by the Commission on Colleges	June 2015	☐

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Inclusion and Diversity

At Virginia Tech

David Travis, Jr.
Interim Vice Provost for Inclusion and Diversity
September 15, 2014

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Virginia Tech is adopting a new approach to Inclusion and Diversity

This approach will provide leadership opportunities for all members of the university community to be responsible and accountable for achieving a more inclusive Virginia Tech.

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President's Announcement

- **We have made progress on many fronts**

- **We must and can do more.**

President Timothy Sands, June 30, 2014

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Inclusion is:

The *active*, *intentional*, and *ongoing* engagement with **diversity**.

American Association for Colleges and Universities

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Inclusive Excellence Model

Components:

- Greater opportunities for **Access and Success;**

- A welcoming **Campus Climate;**

- **Education and Scholarship** that reflects diverse perspectives;

- An **Institutional Infrastructure** that is open to learning and change.

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Access and Success

To achieve a more diverse and inclusive undergraduate and graduate student body, faculty, and staff.

VT's Student Success Center provides:

- Individual and group tutoring for most 1000 and 2000 level courses;
- Programs designed to help freshmen students with their transition from high school to college;
- Encouragement and support to students from underrepresented populations pursuing graduate education;
- Academic Coaching.

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Campus Climate and Intergroup Relations

Create and sustain an organizational environment that acknowledges and celebrates diversity and employs inclusive practices throughout daily operations.

2013 Employee Climate Survey:

- 96% agreed that "I take an active role in making others in my department feel included;"

- 59% feel "There is accountability at Virginia Tech for discriminatory behavior;"

- Blacks, Hispanics, Asians, and women responded more negatively on diversity related questions.

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Education and Scholarship

Build a community that fosters research, scholarship, learning, and creative performance that reflect global diversity, inclusion, and social justice.

The **Pathways to Knowing** general education curriculum will help students effectively exchange ideas and develop a personal code of integrity through training in ethical reasoning and development of inclusive intercultural and global knowledge.

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Institutional Infrastructure

- *To create and sustain an institutional infrastructure that effectively supports progress in achieving greater inclusion and diversity.*

  - In 2013, Virginia Tech hired a new Director of Development for Institutional Diversity.

  - VT is conducting a baseline study of inclusion and diversity programs across campus.

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Institutional change requires a new approach

- This approach will:

    - Enhance accountability;

    - Build upon college and unit strengths;

    - Facilitate greater collaboration and communication across colleges and divisions.

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Task Force on Inclusive Excellence

- In 2013-14, the task force:

  - Reviewed structures from other universities;

  - Explored how we can expand and strengthen our sense of community;

  - Considered how to measure results;

  - Recommended a distributed model in which inclusion and diversity are infused throughout the university.

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Key Components

- President's Inclusion and Diversity Executive Council

- Inclusion Coordinators

- Inclusion and Diversity Plans from Colleges and Units

- Vice Provost for Inclusion and Diversity

These entities will work together to ensure greater collaboration, creativity, and accountability.

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President's Inclusion and Diversity Executive Council

- Chaired by President Sands;

- Composed of senior administrators and diversity experts from throughout the university;

- Inaugural meeting in Fall 2014:

  - Guide the identification of strategic goals for each college and unit;

  - Develop a process for receiving and reviewing annual progress.

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Inclusion Coordinators

- Current Virginia Tech diversity professionals and experts, who will:

  - Provide content knowledge, guidance, and support for colleges and units;

  - Collaborate on implementing annual priorities that will advance an inclusive university.

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Colleges and Units

- Establish annual priorities;

- Build upon existing initiatives, such as those discussed previously;

- Develop measurable indicators for success;

- Report on indicator results annually.

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Vice Provost for Inclusion and Diversity

- Advises university leadership;

- Provides leadership for the transition to the new model;

- Provides leadership and direction for assessment and accountability;

- Promotes Virginia Tech's Principles of Community.

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A Continually Evolving Model

- The model can adjust, respond, and learn as needs are identified.

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- Questions?

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Virginia-Maryland College of Veterinary Medicine
Tamil Nadu Veterinary & Animal Sciences University

Program Overview:

- Student exchanges (DVM and MPH)

- Annual scientific conference

- Training of Indian faculty in research technologies

- Research projects

Virginia-Maryland
College of **Veterinary Medicine**

DVM Elective Course:

- **TANUVAS in Chennai – 3 weeks**
  - Clinical experience in busy urban hospital (± 200 small animal cases/day)
  - Afternoon lectures in various disciplinary areas, e.g., parasitology
  - Tours of local facilities of veterinary interest

Virginia-Maryland
College of **Veterinary Medicine**

- **TANUVAS at Namakkal – 2 weeks**
  - Case load more representative of service to rural community
- **Tour of India – 1 week**
  - Ooty, Coimbatore (wildlife exotic medicine, small ruminant)
  - Sightseeing (Agra, New Delhi)

Learning Outcomes:

- Gain hands-on, minds-on experience resulting from exposure to high volume of primary care/general medicine cases, diseases not often encountered in the US

- Benefit from interaction with Indian students and faculty in an experiential learning environment

- Advance development of One Health knowledge and skills

The convergence of people, animals, and our environment has created a new dynamic in which the health of each group is inextricably interconnected

One Health is the collaborative effort of multiple disciplines – working locally, nationally, and globally – to attain optimal health for people, animals and our environment.

- AVMA One Health Initiative Task Force

Recipe for Success:

- Reciprocal relationship is built on an acknowledgement that each partner has something of value to give <u>and</u> to receive

- Strong faculty and/or student supporters

- Learning goals must be clearly defined and academic standards rigorously maintained

- International experiences are not available locally and are relevant to the educational program

- Shared commitment to program funding, including from each partner institution, extramural grants and students

RESOLUTION TO RATIFY THE 2014-2015 FACULTY HANDBOOK

WHEREAS, the Faculty Handbook is the record for policies pertaining to all types of faculty employees; and

WHEREAS, the oversight of policies governing all types of faculty employees at the university is the responsibility of the Board of Visitors; and

WHEREAS, the Faculty Handbook is revised annually to incorporate editorial updates, new or amended policies; and

WHEREAS, to ensure that the Faculty Handbook reflects the policies passed by the board and that any changes to the Handbook are appropriate and accurate, the board annually reviews and ratifies a revised edition of the Faculty Handbook;

NOW, THEREFORE, BE IT RESOLVED that the Virginia Tech Board of Visitors hereby ratifies the September 15, 2014 version of the Faculty Handbook that incorporates the revisions summarized in the attachment;

AND BE IT FURTHER RESOLVED that should the Board of Visitors approve the changes to Policy 1025: Anti-Discrimination and Harassment Prevention Policy, these changes will be incorporated into the 2014-2015 Faculty Handbook.

RECOMMENDATION:

That the 2014-2015 Faculty Handbook be ratified.

September 15, 2014

**SIGNIFICANT REVISIONS INCORPORATED INTO THE
2014-2015 FACULTY HANDBOOK**

1.0   Mission and Governance of the University

Editorial changes to simplify the chapter. Much of the information in this chapter is maintained on university websites.

1.2.6 Commissions
Eliminated descriptions of each commission and the handbook will provide a link.

1.4.1 Central Administration
Eliminated descriptions of each vice presidential area, the handbook will link to descriptions.

1.4.2 Senior Vice President and Provost
Eliminated descriptions of the areas, added links to colleges and vice presidential areas.

2.0   Employment Policies and Procedures for All Faculty

Editorial changes for clarity:

2.9.3, 2.9.5, 2.9.6, 2.9.7 clarified language regarding various types of leave per Human Resources

2.17; this section regarding overload payment was inadvertently omitted from previous handbook, language added back in and rest of chapter re-numbered accordingly.

3.0   Employment Policies and Procedures for Tenured and Tenure-Track Faculty

3.4.5.3 New policy language: Review of Progress Toward Promotion to Professor, approved by the Board of Visitors on June 2, 2014

4.0   Employment Policies and Procedures for Faculty with Continued Appointment or on the Continued Appointment-Track

4.5.5.3 New policy language: Review of Progress Toward Promotion to Professor approved by the Board of Visitors on June 2, 2014

4.6.2 Edited for clarity: inclusion of review language for dean of the University Libraries

5.0   Employment Policies and Procedures for Non-Tenure-Track Instructional Faculty

No edits

6.0   Employment Policies and Procedures for Research Faculty

Editorial changes: title of Office of Vice President for Research – Human Resources

6.3.1 Edited for clarity

6.9.2 Edited for clarity

6.11 Edited for clarity

7.0   Employment Policies and Procedures for Administrative and Professional Faculty

7.3.3.1 Editorial changes for clarification and name changes

7.5 Edited to accurately reflect name of Southern Association of Colleges and Schools Committee on Colleges (SACSCOC)

7.7 Edited for clarification

8.0   Employment Policies and Procedures for Graduate Assistants

8.1 Edited for clarity

8.3 Edited for clarity

9.0   Instruction-Related Policies

9.6.3 Edited to reflect the Code of Virginia

9.11.1 Edited to reflect the university's use of Student Perceptions of Teaching (SPOT) processes

9.12.1 Edited for clarity and consistency with federal confidentiality regulations (FERPA)

9.14 Removed references to on-line videos no longer being used

9.15 Removed descriptions of faculty awards and replaced with hyerplinks to websites that include descriptions of the award and processes for nomination and selection

10.0   Research, Creative, and Scholarly Activities

Editorial changes for clarity, links to policies, and name changes in departments

10.1.4 Edited for clarity

10.1.7 Added language Research Involving Human Subjects, Animal Subjects, and Biohazardous Agents

10.1.18 – 10.1.11 Renumbered sections

11.0   Faculty Benefits Program

Edits for clarity and consistency with state policies

11.1.1 Added language describing the Virginia Retirement System (VRS) Optional Retirement Plan (ORP)

11.1.3.3 New section, describing Virginia plans 1 and 2

11.2.2 Editorial changes

11.2.3 Clarified language on employee eligibility

11.2.4 Corrected name

11.2.5 Corrected name of department

11.2.7 – 11.3.3.1 Edited for clarity, and to reflect changes in services

12.0   Additional Information

12.0 Replaced previous information with information regarding faculty preparedness

RESOLUTION TO REVISE POLICY 1025
ANTI-DISCRIMINATION AND HARASSMENT PREVENTION

WHEREAS, Virginia Tech is committed to providing a premier learning and working environment to all members of its community and to recruiting and retaining a diverse student body and workforce; and

WHEREAS, providing redress for addressing discriminatory behaviors works in furtherance of that commitment; and

WHEREAS, 20 of 25 SCHEV-approved peer institutions have included gender identity and gender expression in their non-discrimination policies; and

WHEREAS, there has been a rising awareness at Virginia Tech of the issue of discrimination and harassment on the basis of gender identity and gender expression; and

WHEREAS, the Governor's Executive Order Number One (2014) ("Equal Opportunity") specifically prohibits discrimination on the basis of gender identity in state employment; and

WHEREAS, several federal actions including the U.S. Higher Education Act of 1965 amended by the Violence Against Women Reauthorization Act of 2013; and July 2014 amendments to Executive Order 11478 Equal Employment Opportunity in the Federal Government and Executive Order 11246 Equal Employment Opportunity and Affirmative Action Guidelines for Federal Contractors include gender identity; and

WHEREAS, gender identity and gender expression are not the same as gender or sexual orientation, both of which are included in Policy 1025; and

WHEREAS, the Commission on Student Affairs passed a resolution including both gender identity and gender expression in a revised Policy 1025 and formally supports the proposed Commission on Equal Opportunity and Diversity resolution;

NOW, THEREFORE BE IT RESOLVED that Policy 1025 be revised to reflect state and federal policy to include the terms gender identity and gender expression throughout. These changes are to be reflected in university documents and statements, including but not limited to: undergraduate, graduate, and professional student handbooks; the faculty handbook; employee handbooks; and equal opportunity/affirmative statements; and in each place where they appear in publications and websites issued by Virginia Tech entities and affiliated programs.

<u>RECOMMENDATION:</u>

That the resolution to revise policy 1025 be passed.

September 15, 2014

Virginia Polytechnic Institute and State University   No. 1025   Rev.: 6
Policy and Procedure   **Date: September 15, 2014**

_____

Subject: Anti-Discrimination and Harassment Prevention Policy

_____

1.   **Purpose**

Virginia Tech does not tolerate discrimination or harassment on the basis of age, color, disability, gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, veteran status, or any other basis protected by law. Such behavior is inconsistent with the university's commitments to excellence and to a community in which mutual respect is a core value as articulated in the Virginia Tech Principles of Community. The prohibition against discrimination and harassment applies to all levels and areas of university operations and programs, to students, administrators, faculty, staff, volunteers, vendors and contractors.

The university is subject to Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, as amended, the Age Discrimination in Employment Act, the Equal Pay Act, the Vietnam Era Veterans' Readjustment Assistance Act of 1974, Federal Executive Order 11246, Genetic Information Nondiscrimination Act of 2008 (GINA), Virginia Executive Order Number Two, and all other rules and regulations that are applicable.

Virginia Tech is also committed to the free and vigorous discussion of ideas and issues. This policy does not allow curtailment or censorship of constitutionally protected expression, nor does it attempt to address behaviors that do not constitute discrimination or harassment. Offensive

behavior that does not violate this policy should be addressed by the appropriate supervisor or administrator.

2.   Policy

2.1   Prohibited Acts

1. Discrimination/Harassment

    Discrimination/ Harassment includes the following behaviors:

    Conduct that conditions any element of a person's employment, enrollment as a student, receipt of student financial aid, or participation in university activities on that person's age, color, disability, gender (including pregnancy), gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, unless otherwise permitted or required by applicable law. Discrimination on the basis of sex in education programs and activities receiving federal financial funding as set forth in Title IX of the Education Amendments of 1972, as amended, is included in this definition of prohibited discrimination;

    Conduct of any type (oral, written, graphic, electronic or physical) that is based upon a person's age, color, disability, gender (including pregnancy), gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, or veteran status and unreasonably interferes with the person's work or academic performance or participation in university activities, or creates a working or learning environment that a reasonable person would find hostile, threatening or intimidating; and/or

    Conduct consisting of unwelcome sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature when submission to such conduct is made, explicitly or implicitly, a term or condition of an individual's employment or education, or submission to or rejection of such conduct is used as a basis for employment or educational decisions affecting an individual.

2. Retaliation

    It is a violation of this policy to retaliate against any party for participating in a discrimination/harassment investigation ("protected activity"). Retaliation includes any adverse treatment that is reasonably likely to deter the complainant or others from filing a charge of discrimination/harassment or participating in a discrimination/harassment investigation. Retaliation can be verbal, written, graphic, electronic or physical.

3. Knowingly Filing False Complaints

    Knowingly filing a false complaint of discrimination/harassment or of retaliation is a violation of this policy. Such conduct may be pursued using the steps followed for a complaint of discrimination/harassment, and if found to have occurred, will result in disciplinary action that may include termination or expulsion.

4. Intentional Breaches of Confidentiality

    All participants in the discrimination/harassment complaint resolution process described below, including the complainant and respondent, witnesses and any other parties, shall respect the confidentiality of the proceedings. Breaches of confidentiality jeopardize effective functioning of internal complaint resolution. Participants are authorized to discuss the case only with those persons whose university duties entail a clear and genuine need to know.

A complaint alleging an intentional breach of confidentiality may be pursued using the procedures set forth in Section 5 below. Such a breach may also constitute an act of retaliation. Further, a breach of confidentiality may void the outcome of any previously agreed-upon resolution to a complaint.

2.2   Consensual Relationships
It should be understood by all members of the university community that consensual amorous or sexual relationships (hereinafter referred to as consensual relationships) that occur in the context of educational or employment supervision and evaluation present serious ethical concerns. Consensual relationships between faculty members and students enrolled in their classes or students for whom they have professional responsibility as advisor or supervisor violate the policy on Professional Ethics and Responsibilities and may be a violation of this discrimination/harassment policy. Similarly, consensual relationships between supervisors and employees they directly supervise violate university policy. Faculty members or others performing instructional or academic advising duties and supervisors involved in consensual relationships must remove themselves from any activity or evaluation that may reward or penalize the affected student or employee.

Consensual relationships between faculty and students are particularly susceptible to exploitation. The respect and trust accorded a professor by a student, as well as the power exercised by the professor in giving praise or blame, grades, recommendations for further study and future employment, make voluntary consent by the student suspect, given the fundamentally asymmetric nature of the relationship.

Faculty members and supervisors should be aware that engaging in consensual relationships with students or employees they supervise could make them liable for formal action. Even when both parties have consented to the development of such a relationship, it is the faculty member or supervisor who, by virtue of his or her special responsibility, may be held accountable for unprofessional behavior. Complaints alleging discrimination/harassment, as defined above, may be filed by either party to the consensual relationship or by an aggrieved party outside the relationship.

3.   <u>Responsibilities of Those Experiencing Discrimination / Harassment</u>
Anyone who believes that he or she has been subject to or have observed instances of discrimination/harassment should take one or more of the following steps:

1. ask the person to cease the offending behavior

2. seek the assistance of a supervisor, Human Resources, the Dean of Students, a faculty member or a university administrator; and/or

3. contact the director for compliance and conflict resolution in the Department of Human Resources (HR) or his/her designee (hereinafter, director for compliance). (See Section 5 below.)

It bears emphasis that the complainant is not required to confront or complain to the discriminating/harassing party. He or she may instead pursue steps 2 and/or 3 above. A respondent may be held accountable for violating this policy whether or not the complainant has followed these steps.

4.   Responsibilities of Administrators, Supervisors and Faculty
University administrators, supervisors, and those performing instructional or academic advising duties have an added responsibility to create and maintain a work and learning environment free of discrimination/harassment.

If an administrator, supervisor or individual with instructional responsibility becomes aware of an incident that might reasonably be construed as constituting discrimination/harassment, he or she must take immediate steps to address the matter. In such cases, the administrator, supervisor or individual with instructional responsibility should promptly contact the Department of Human Resources in order to coordinate any further action that may be necessary.

Administrators, supervisors and those with instructional responsibility should act whenever they learn—either directly or indirectly—about discrimination/ harassment. This obligation exists even if the complainant requests that no action be taken. It is not the responsibility of the complainant to correct the situation.

Administrators, supervisors and those with instructional responsibility (for their respective teaching obligation) have the legal responsibility to protect a complainant from continued discrimination, harassment or retaliation. They must also protect persons accused of discrimination/ harassment from potential damage by false allegations. Administrators and supervisors will be held accountable for dealing with and taking necessary steps to prevent discrimination/harassment.

Administrators and supervisors are responsible for informing their employees and students of this policy.

5.   Procedures

5.1   Introduction
This Policy reflects the university's commitment to maintain a community that is free from discrimination/ harassment. Virginia Tech has designed procedures for prompt internal resolution of discrimination/harassment complaints that arise within the university community. The university expects that the use of these procedures will facilitate a prompt resolution of such complaints, but the assistance of faculty, staff and students is critical to helping the university

learn of and address problem behavior. Every member of the university community should be provided with a civil and productive work and learning environment, and has the responsibility to maintain the highest standards to accomplish this goal.

5.2   Scope
These procedures apply to prohibited acts (defined above) performed by any employee, volunteer, vendor, or contractor of Virginia Tech.

Wage and probationary employees, as well as other employees, may file complaints or seek redress under this policy.

Discrimination/harassment allegedly perpetrated by an undergraduate or a graduate student who is **not** acting in the capacity of a university employee, volunteer, vendor or contractor falls within the jurisdiction of the Office of Student Conduct **regardless of the status of the complainant** (i.e. student, faculty, or staff). The Office of Student Conduct will address the complaint in accordance with procedures described in University Policies for Student Life. Complaints of sexual harassment (including sexual violence) of students allegedly perpetrated by an undergraduate or a graduate student who is **not** acting in the capacity of a university employee, volunteer, vendor or contractor fall within the jurisdiction of the Associate Vice President for Student Affairs/Deputy Title IX Coordinator, **regardless of the status of the complainant** (i.e. student, faculty, or staff). The Office of Student Affairs will address the complaint in accordance with procedures described in the Hokie Handbook and University Policies for Student Life.

5.3   Informal Resolution
Once the Department of Human Resources receives information suggesting a reasonable possibility that discrimination/ harassment has occurred, it will arrange a meeting with the complainant in order to further review the information, the applicability of this policy and available options. For an individual who does not wish to file a formal complaint, but who nevertheless wishes to put an end to conduct they believe to violate this policy, the following options are available:

1. With the advice and assistance of the director for compliance as requested, the complainant may write to or meet with the respondent, discuss the situation and make it clear that the behavior is unwelcome; or

2. The director for compliance may discuss the alleged conduct with the charged party. A complainant may request that, if practical, such a conversation be held without revealing his or her identity directly to the charged party. Action taken by the director for compliance under this provision shall not constitute a finding of discrimination/ harassment.

3. If both parties are willing to do so, they may use Virginia Tech's mediation program (administered by Human Resources) to assist them in discussing the matter and resolving issues in ways in which they can both agree.

4. The director for compliance can consult with appropriate supervisors to explore options for informal resolution, including training and education.

All records relating to an informal investigation will be retained in the Department of Human Resources for a period consistent with applicable federal and state law and in accordance with university records management policy, after which the records will be destroyed.

5.4   Departmental Request for Investigation
The director for compliance may initiate an investigation upon referral of a significant concern by another department, or upon learning of a possible violation. The appropriate administrator of the relevant area, unless he or she is the respondent, will be notified immediately of any such review. The respondent will be informed as soon as possible and practical, taking into consideration any investigative needs or similar factors involved in addressing the situation. The respondent will also be informed of the outcome of any investigation.

5.5   Individual Formal Complaint
An individual may file a formal complaint of harassment or discrimination by completing and signing the designated Formal Complaint Form and submitting it to the director for compliance. The complainant may include suggestions for resolution(s) of the matter as part of the formal complaint or at any time during the process. A formal complaint must be made within 300 calendar days of last incident of alleged discrimination/harassment complained of.

Within ten business days after a written complaint is filed, the director for compliance will provide written notification to the respondent of the allegations and the identity of the complainant. The respondent also will be furnished with a copy of the written charge and will have an opportunity to respond to the allegations contained therein. The respondent's immediate supervisor will receive a copy of the written notification. After the notification described above, the director for compliance will conduct any additional investigation that may be necessary.

5.6   Outcomes
Following an investigation or review, the director for compliance will issue a finding of whether there has been a violation of this policy. In the case of an individual formal complaint, the complainant will be informed of the completion of the investigation as well as the finding, and the respondent and the appropriate administrators will receive a report outlining the findings and the basis for those conclusions. The decision to impose any discipline or corrective action is the responsibility of relevant administrators. If discipline is imposed, the severity and pervasiveness of the conduct, the apparent intent of the respondent, and other relevant factors in the case shall be taken into account. Any proposed disciplinary action shall be imposed in accordance with policies and procedures in the relevant faculty or staff handbooks.

Records of investigation will be retained by the Department of Human Resources for a period consistent with federal and state law and in accordance with university records management policy, after which the records will be destroyed.

A complainant found to have intentionally made false allegations of discrimination/harassment is subject to university discipline. (See Section 2.1(3) above.)

5.7   Appeal

Disciplinary action imposed as a result of violations of this policy may be appealed in accordance with policies in the relevant faculty, staff, or student handbooks. During an appeal, the record of established facts and findings of the case should be made part of the record.

5.8   Supplemental/Alternative Avenues for Formal Complaints

In addition to, or in lieu of, the procedures set forth above, individuals may pursue those remedies that are available to them, as appropriate, through the following agencies:

1. Students may file formal complaints with the Office for Civil Rights of the U.S. Department of Education.

2. Faculty members may file a charge with the federal Equal Employment Opportunity Commission and/or the Virginia Council on Human Rights within 300 days of the incident.

3. The following options are available to staff:

    a. Non-probationary staff may file a grievance within 30 calendar days of the offense as outlined in the Grievance Procedure for State Employees, or

    b. Salaried and wage staff may file a complaint using the Discrimination Complaint Procedure administered by the Office of Equal Employment Services in the state's Department of Human Resource Management.

    c. Salaried and wage staff may file a complaint with the federal Equal Employment Opportunity Commission or the Virginia Council on Human Rights within 300 days of the alleged discrimination/harassment.

Additional information regarding any of the procedures outlined above may be obtained from the Department of Human Resources.

Additional assistance and support may be obtained from the Women's Center, the Office of the Provost (faculty), the Department of Human Resources (staff and AP faculty), the Graduate School (graduate students), the Dean of Students Office, Cook Counseling Center, or the Office of Student Conduct (students).

6.   <u>References</u>

Virginia Department of Human Resources Management Policy 1.60 Standards of Conduct

http://www.dhrm.virginia.gov/hrpolicy/web/pol1_60.pdf

Virginia Department of Human Resource Management Policy 2.05, Equal Employment Opportunity

http://www.dhrm.state.va.us/hrpolicy/policy/pol2_05EEO.pdf

Virginia Department of Human Resource Management Policy 2.30 Workplace Harassment

http://www.dhrm.state.va.us/hrpolicy/policy/pol2_30WkplaceHarrass.pdf

Virginia Department of Human Resource Management - Employment Dispute Resolution - Grievance Procedure Manual

http://www.dhrm.virginia.gov/EDR/grievance/GPMJuly2012.pdf

University Policy 4075, Policy for University Accommodation of Persons with Disabilities

http://www.policies.vt.edu/4075.pdf

Virginia Tech Faculty Handbook

http://www.provost.vt.edu/facultyhandbooks.php

Virginia Tech Classified and University Staff Policies and Handbook

http://www.hr.vt.edu/employeescorner/policy/

Virginia Tech Hokie Handbook and University Policies for Student Life

http://www.hokiehandbook.vt.edu/

Expectations for Graduate Education

http://www.expectations.graduateschool.vt.edu/wp-content/uploads/2011/08/Expectations_Print.pdf

Virginia Tech Principles of Community

http://www.vt.edu/diversity/principles-of-community.html

7.   <u>Approval and Revisions</u>

- Revision 1

    Revised by Commission on Faculty Affairs, December 17, 1990, the Faculty Senate, January 8, 1991, and the EO/AA Committee on January 8, 1991, with further revisions, February 12, 1991.

    Approved March 4, 1991 by University Council.

- Revision 2

    Revised by the EO/AA Committee, March 29, 1994; approved by Commission on Faculty Affairs, May 13, 1994.

    Approved October 3, 1994 by University Council.

- Revision 3

    Revised by the Commission on Equal Opportunity and Diversity, March 28, 2005.

    Approved by University Council, May 2, 2005.

    Approved by the Board of Visitors, August 29, 2005.

- Revision 4

    Revised by the Commission on Equal Opportunity and Diversity, March 29, 2010.

    Approved by University Council, April 19, 2010.

    Approved by the Board of Visitors, June 7, 2010.

- Revision 5

    Section 4 – "faculty member" replaced with "individual with instructional responsibility."

    Approved March 16, 2011 by Charles W. Steger, University President.

- Revision 6

April 24, 2013: Technical updates to:

o   reflect regulations, particularly those that add genetic information to the list of protected statuses;
o   clarify oversight responsibilities for sexual harassment complaints involving any student who is **not** acting in the capacity of an employee, volunteer, or contractor;
o   clarify that non-probationary employees have 30 "calendar" days to file a grievance; and
o   update references and hyperlinks.

Approved June 3, 2013, by Charles W. Steger, University President, and the Board of Visitors.

Approved September 15, 2014 by Timothy D. Sands, University President, and the Board of Visitors.

Committee Minutes

BUILDINGS AND GROUNDS COMMITTEE

7:30 a.m. Tour from the Inn at Virginia Tech
9:30 a.m. Open Session Meeting begins in Solitude Room,
The Inn at Virginia Tech

September 15, 2014

Board Members Present: Mr. William Fairchild, Mr. B. K. Fulton, Mr. Mehul Sanghani

VPI&SU Staff: Dr. Malcolm Beckett, Mr. Bob Broyden, Ms. Vickie Chiocca, Dr. Susan Clark, Mr. Van Coble, Mr. Joe Crane, Dr. Rick Ferraro, Dr. Elizabeth Flanagan, Chief Kevin Foust, Mr. Mark Gess, Dr. Alan Grant, Dr. Carl Griffey, Ms. Elizabeth Hansen, Mr. Mark Helms, Mr. Alex Hessler, Mr. Larry Hincker, Mr. Rick Hinson, Dr. Chris Kiwus, Dr. Tom Kuhar, Ms. Leigh LaClair, Mr. Hud McClanahan, Ms. Heidi McCoy, Mr. Richard McCoy, Dr. Saied Mostaghimi, Mr. Mike Mulhare, Ms. Kim O'Rourke, Mr. Dwight Paulette, Mr. Charles Ruble, Ms. Kayla Smith, Mr. Ken Smith, Mr. Jason Soileau, Mr. Bob Spieldenner, Dr. Lisa Wilkes, Mr. Chris Wise, Dr. Sherwood Wilson

Guests: Mr. Mike Hubbard, Ms. Rebekah Paulson

<u>**Open Session**</u>

1. **Tour of Kentland Farm:** The Committee toured Kentland Farm located near the Whitethorne community in Montgomery County, Virginia.

2. **Opening Remarks and Approval of Minutes of the June 2, 2014 Meeting:** The minutes of the June 2, 2014 meeting were approved.

3. **Master Plan Update and Presentation:** The Committee received an update on the Campus Master Plan. The presentation included a briefing on proposed improvements to the Drillfield. Chair Fairchild requested that alternate, all-weather solutions to asphalt paths on the Drillfield be explored in an effort to further retain the green-space aesthetic and multi-use purpose of this iconic area. The Committee encouraged planning staff to form an interdisciplinary group on campus to consider solutions.

4. **Update on Route 460 Interchange and Airport Runway Extension Projects:** The Committee received an update on funding and the estimated timeline for the U.S. Route 460 Interchange and the Virginia Tech-Montgomery Executive Airport Runway Extension Projects. The final Virginia Department of Transportation six year improvement plan for fiscal years 2015-20 restored the full funding amount of $46.7 million to the project.

* 5. **Resolution on Appointment to the New River Valley Regional Water Authority:** The Committee recommended full board approval of a resolution reaffirming Sherwood G. Wilson as the university's representative to the New River Valley Regional Water Authority for a three year term expiring on June 25, 2016.

* 6. **Resolution for Hoge Estate Easement and Land Exchange:** Carol Flynn Hoge, the widow of James Tyler Otey Hoge, Jr., has asked Virginia Tech to grant a temporary easement across 1.51 acres owned by Virginia Tech to access property she owns. In exchange, the heirs and devisees of James Tyler Otey Hoge, Jr., would grant Virginia Tech an unrestricted license to 22.9 acres adjacent to real estate owned by Virginia Tech and used by Virginia Tech's College of Agriculture and Life Sciences. The Committee recommended full board approval of a resolution authorizing the Vice President for Administration to execute the documents necessary to convey a temporary easement followed by a fee conveyance of 1.51 acres of Virginia Tech real property for 22.9 acres of real property from the heirs and devisees of James Tyler Otey Hoge, Jr. The Committee requested that the agreements related to the exchange include a provision for the university to retain the right to access the 1.5 +\- acres, including the use of any roadway that may be constructed on the property, for the duration of this real estate matter.

* 7. **Resolution for Appalachian Power Company Easement:** The Committee recommended full board approval of a resolution to grant Appalachian Power Company an overhead easement across university property near Duluth Drive on Kentland Farm in the Price's Fork Magisterial District of Montgomery County, Virginia, to provide for the installation of an electrical power line to connect to Dairy Barns under construction on Kentland Farm.

* 8. **Resolution for the Sale of Timber at the Southern Piedmont Agricultural Research and Extension Center (AREC):** In 2002 and 2004, the university acquired land from the U.S. Department of Education on the Fort Pickett Military Reservation of Nottoway County, Virginia through a public benefit conveyance. The property is the site of the Southern Piedmont Agricultural Research and Extension Center.   The Committee recommended full board approval of a resolution authorizing the sale of timber on approximately 7 acres within the boundaries of the property and to expend the timber proceeds on-site as provided for in its acquisition agreement.

* 9. **Resolution on Virginia Department of Transportation Nottoway County Bridge Replacement:** The university desires to convey approximately 3.3 acres of the 1,186 acres that currently comprise the Southern Piedmont Agricultural Research and Extension Center, for the realignment of Routes 460 and 636. Further the university desires to create temporary construction and permanent utility, drainage, and maintenance easements on an adjoining approximately 2.3 acres.   The approximate acreages stated are needed to facilitate a bridge replacement and corresponding road alignments, as requested by the Virginia Department of Transportation (VDOT). The Committee recommended full board approval of a resolution authorizing the Vice President for Administration to

execute the necessary documents to convey the fee simple title and create temporary and permanent easements relative to the VDOT project, and for the proceeds, if any, to be expended at the direction of the U.S. Department of Education and in accordance with its acquisition agreement.

*10. Resolution on Demolition of University Buildings: The Committee recommended full board approval of a resolution to demolish two stables on university property at the Catawba Sustainability Center in Roanoke County. The stables have no use, are in poor condition and are uneconomical to repair.

11. Design Preview/Review for South Recreation Field Surface Replacement: The Committee approved the schematic design for surface replacement of the South Recreation Fields. This project will install an artificial turf field covering the majority of the existing softball field area outside the limits of the airport runway expansion, facilitating four-season use of the turf fields, and addressing the need to modify the existing playing fields to accommodate the planned expansion of the Virginia Tech Montgomery Executive Airport runway. The fields are used for Sports Club and Intramural Sports teams, including softball, rugby, soccer and flag football.

12. Design Preview for the Multi-Modal Transit Facility: The Committee previewed the design concept for the Multi-Modal Transit Facility. This project involves moving the current transit hub from the front of Burruss Hall to a future transit hub located in the vicinity of Perry Street, which will facilitate long range improvements to campus transit services. The Committee members expressed concern about the reduction in surface parking in the north campus precinct. University staff explained that a plan to use existing lots in other areas and provide enhanced alternative transportation options is already under development. Additionally, the university will be undertaking a campus wide study of parking and transportation.

13. 2014 Sustainability Annual Report: The Committee received the 2014 Annual Report on Campus Sustainability. Notable achievements were highlighted, including progress toward improving the university's Association for the Advancement of Sustainability in Higher Education (AASHE) Sustainability Tracking, Assessment and Rating System (STARS) rating, increasing the number of Leadership in Energy and Environmental Design (LEED) registered construction projects on campus, and the wide variety of student engagement events and programs.

14. Capital Project Status Report: The Committee received an update on the Upper Quad Residence Halls that are in construction phase. Although the project is currently behind schedule, staff are working with the construction manager to stay on targeted completion.

Adjournment
There being no further business, the meeting adjourned at 11:05 a.m.

*Requires full Board approval.

Master Plan Update

And Presentation

At

Virginia Tech

Golf Course District (Proposed Graduate & Professional District) *Land Bank*

Academic Core

Walkable Districts

Proposed Science & Research District *Land Bank*

Life Sciences District

Corporate Research Center / Research Expansion

CAMPUS MASTER PLAN - Overview
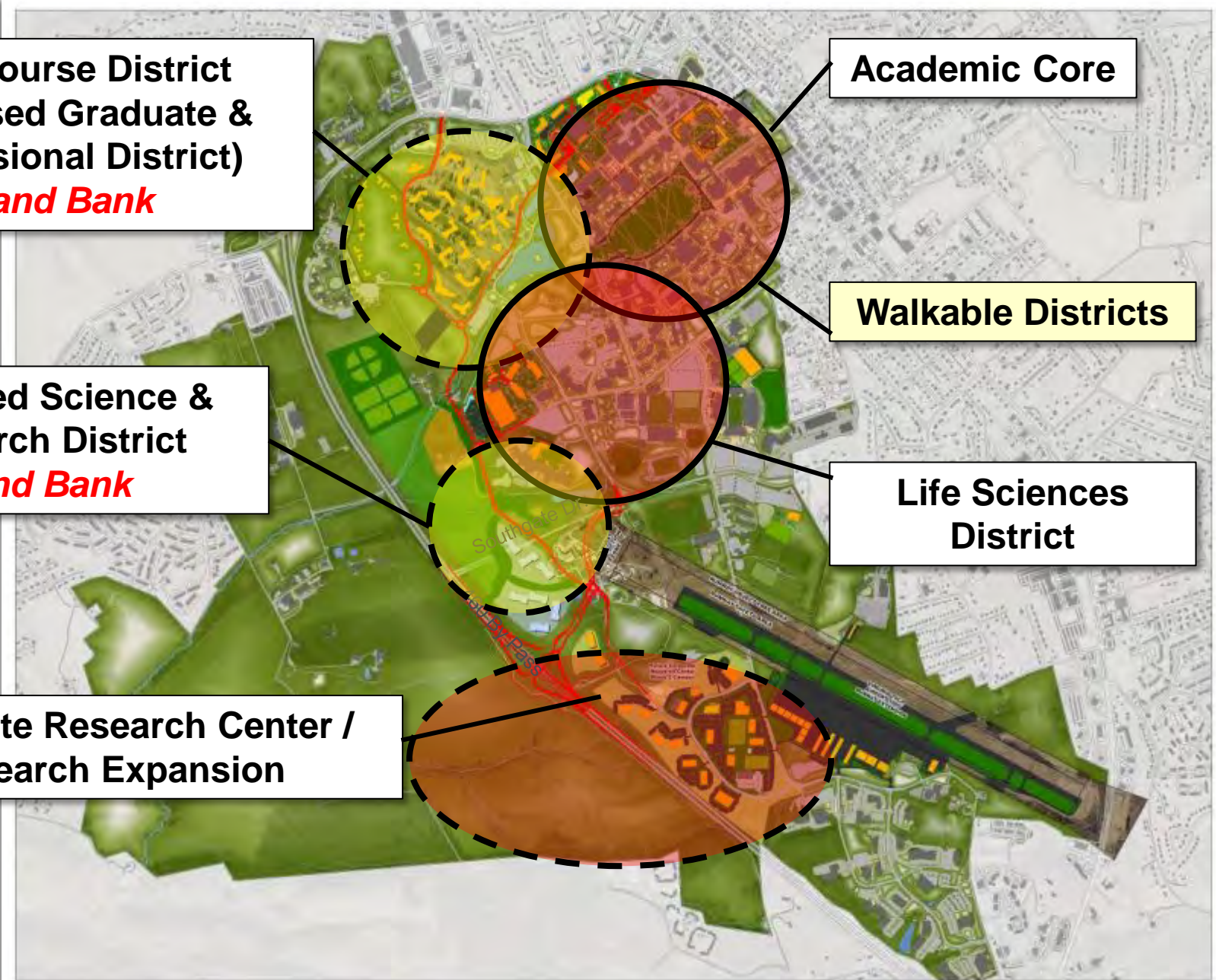
- Original campus layout followed **natural landforms**

- Preserved open spaces now define the **pedestrian greenway system**

- Natural landforms **link campus districts**

CAMPUS MASTER PLAN – Campus Core Greenway
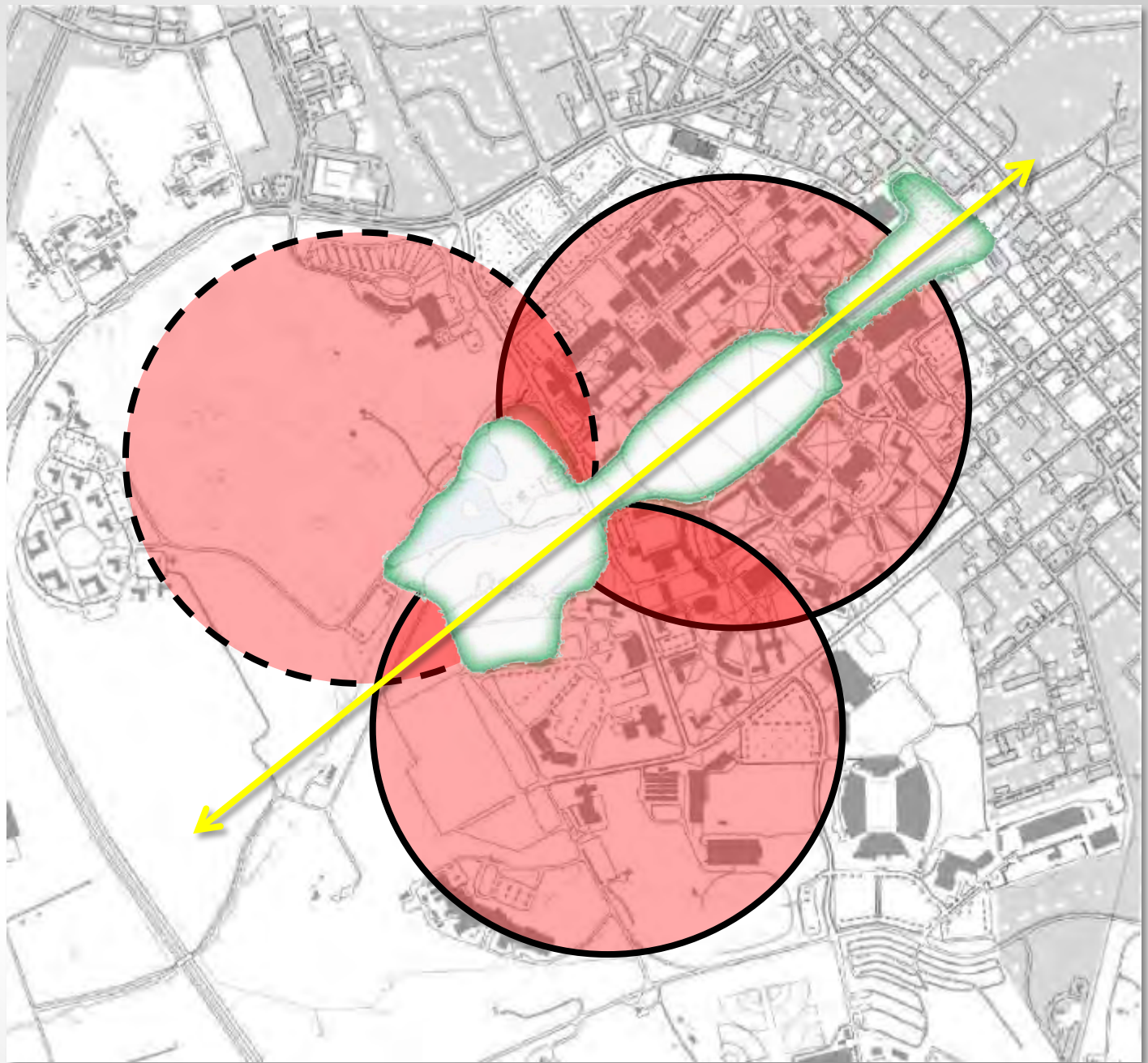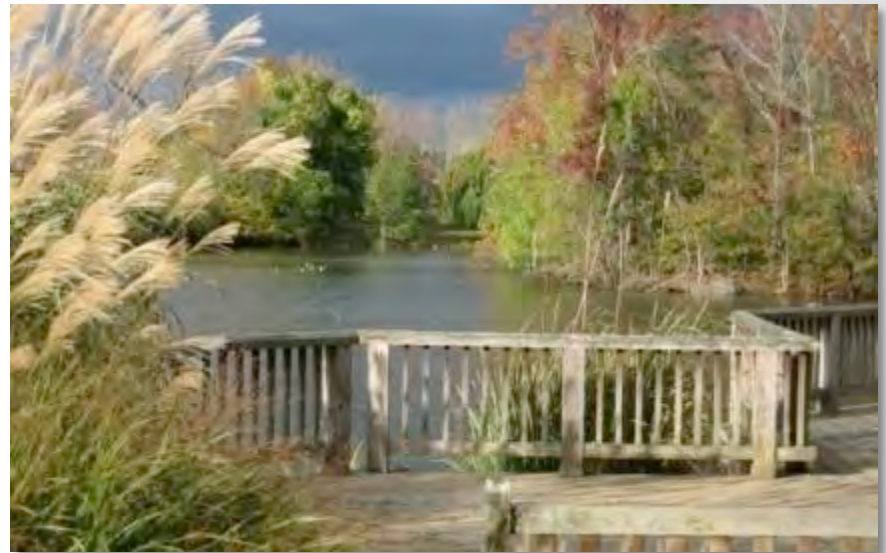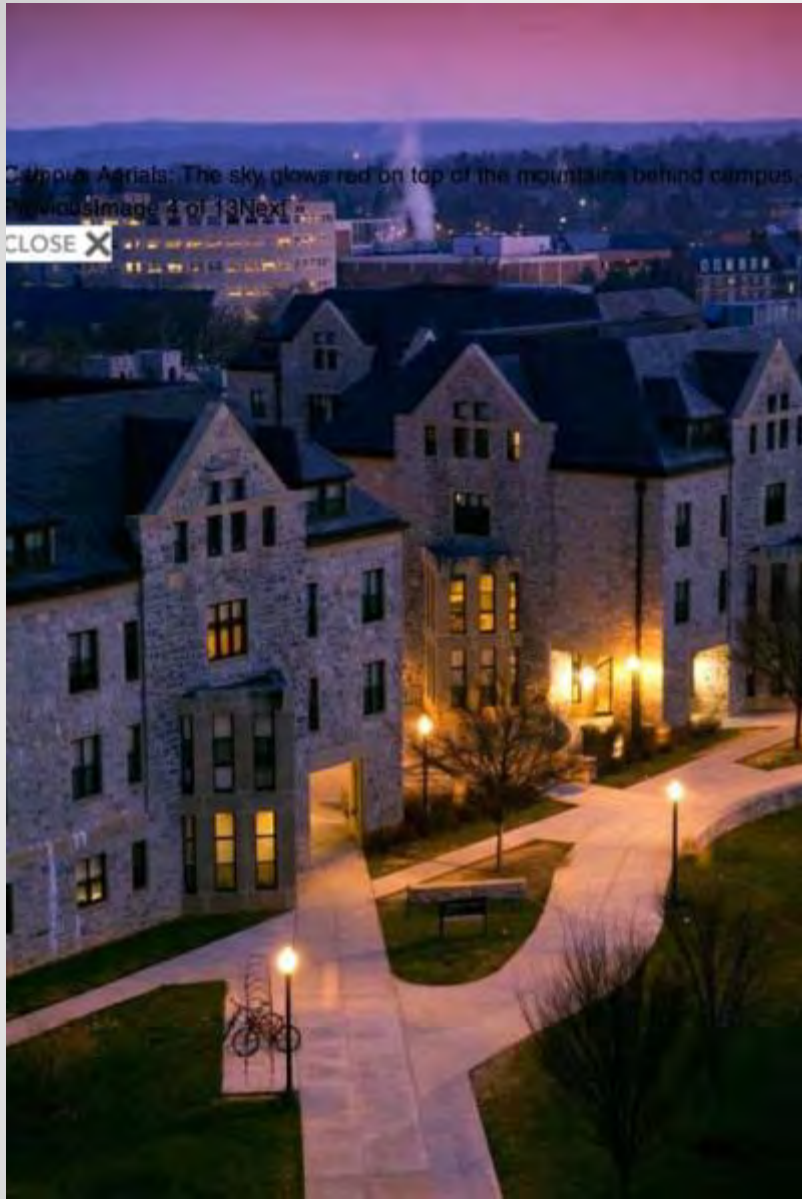
CAMPUS MASTER PLAN – Greenway Pedestrian Linkages

- Historically applied design standards and principles help to create a strong **"Sense of Place"**

- **Lost "Sense of Place"** in the late 1960's and early 1970's

CONTENTS

I. CAMPUS

A. Introduction
B. Historical Overview
  1. Background
  2. Collegiate Gothic / An Architecture of Stone
C. Guiding Vision
  1. Strategic Plan
  2. The Campus Master Plan
D. Buildings and Landscape
  1. An Integrated Approach
  2. A Sense of Place
  3. Goals and Objectives

II. LANDSCAPE

A. Introduction
B. Guiding Principles
  1. Landscape Structure
C. Planting
  1. Space Definition
  2. Scale
  3. Plant Character & Fitness
  4. Tree Forms
  5. Pattern
  6. Composition of Species
  7. Native Plants
  8. Meadows
  9. Variety
D. Specific Area Principles
  1. The Mall
  2. The Drill Field
  3. The Duck Pond Park
  4. The Quadrangles
  5. Core Area Linkages
  6. Campus Streets
  7. Campus Forest Areas
E. Site Structures and Furnishings
  1. Lighting
  2. Emergency Call Boxes
  3. Structures
  4. Art
  5. Paving

III. BUILDINGS

A. Introduction
B. Architectural Order
  1. Siting / Orientation
  2. Building Scale
    Height
    Massing
    Volumetric Variation
  3. Facades
C. Architectural Elements
  1. Roof Forms
  2. Doors, Portals and Passages
  3. Windows and Openings
  4. Architectural Details
D. Building Materials
  1. Walls
  2. Hokie Stone
  3. Roofs
  4. Doors and Windows
  5. Ornament
E. Sustainable Design
  1. Approach

CAMPUS MASTER PLAN – Sense of Place

Virginia Tech's Campus Is "Transitional" thru it's Design

Create "Lingering" Spaces for Cross Disciplinary Collaboration

So ... Why is this important?

Facilitating Productive Collisions

We can provide vehicles for these cross disciplinary *productive collisions* to occur through *proactive campus planning*.

"Anything that one man can dream, another man can make real."

(Igor Sikorsky, inventor of the modern helicopter, who was inspired by the Jules Verne book: Clipper of the Clouds)
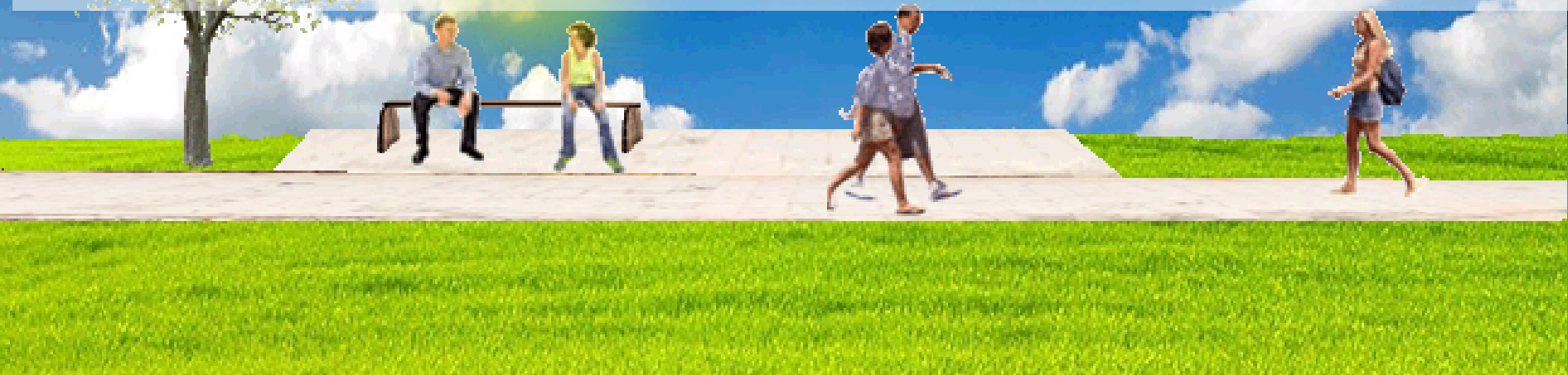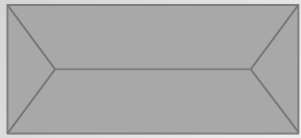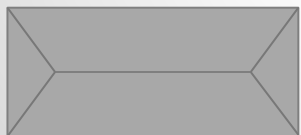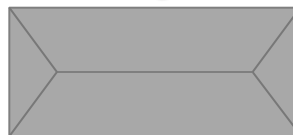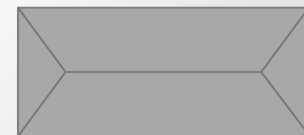
PRODUCTIVE COLLISIONS

Recent/Current Virginia Tech Campus Experience Initiatives

Completed
Summer 2013

ACADEMIC CORE: College Avenue Promenade
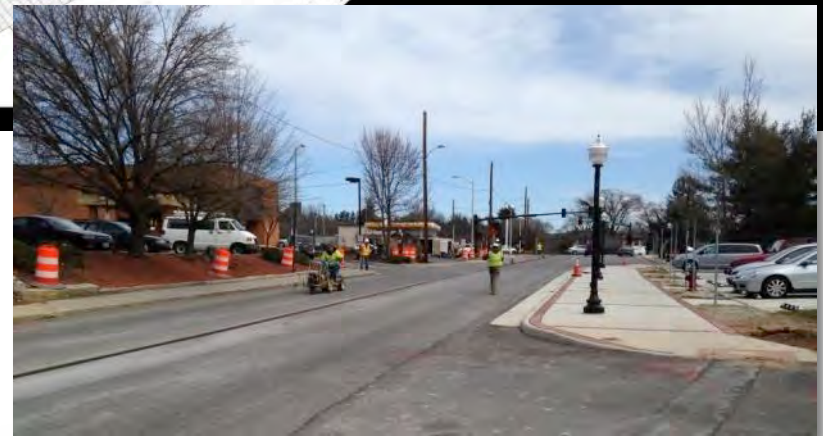
ACADEMIC CORE: Turner Streetscape

126,390 GSF
Completed
Fall 2013

ACADEMIC CORE: Center For The Arts

51,000 GSF Addition
Completed
Spring 2014

ACADEMIC CORE: Davidson Hall (RENOVATION & ADDITION)
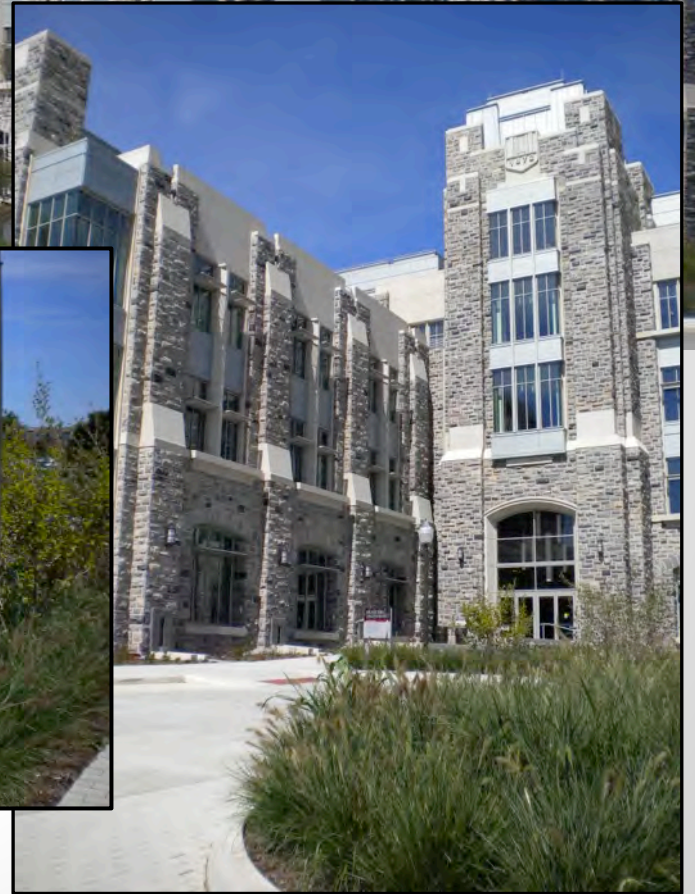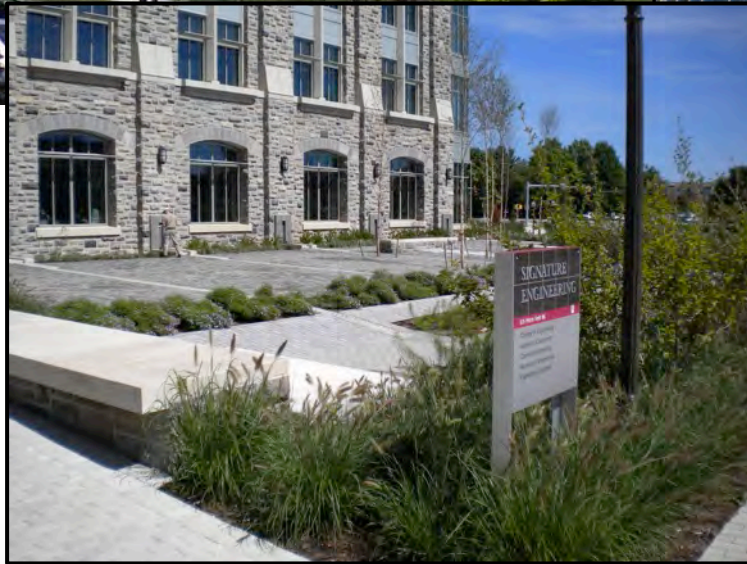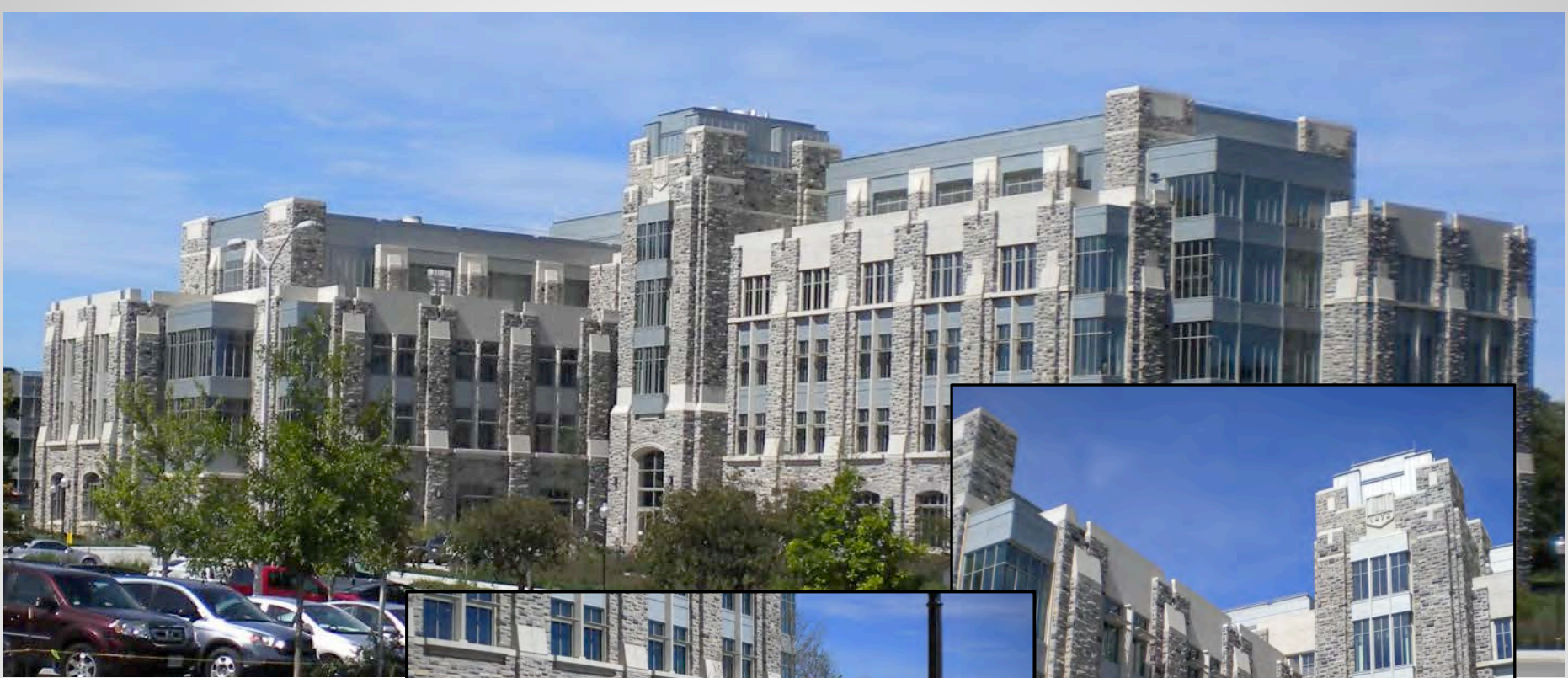
154,935 GSF
Completed
Summer 2014

ACADEMIC CORE: Signature Engineering

Academic Core
Upcoming Changes

ACADEMIC CORE: Upper Quad

Corps Leadership and Military Science Building

Major Williams Hall

Shanks Hall

Lane Hall
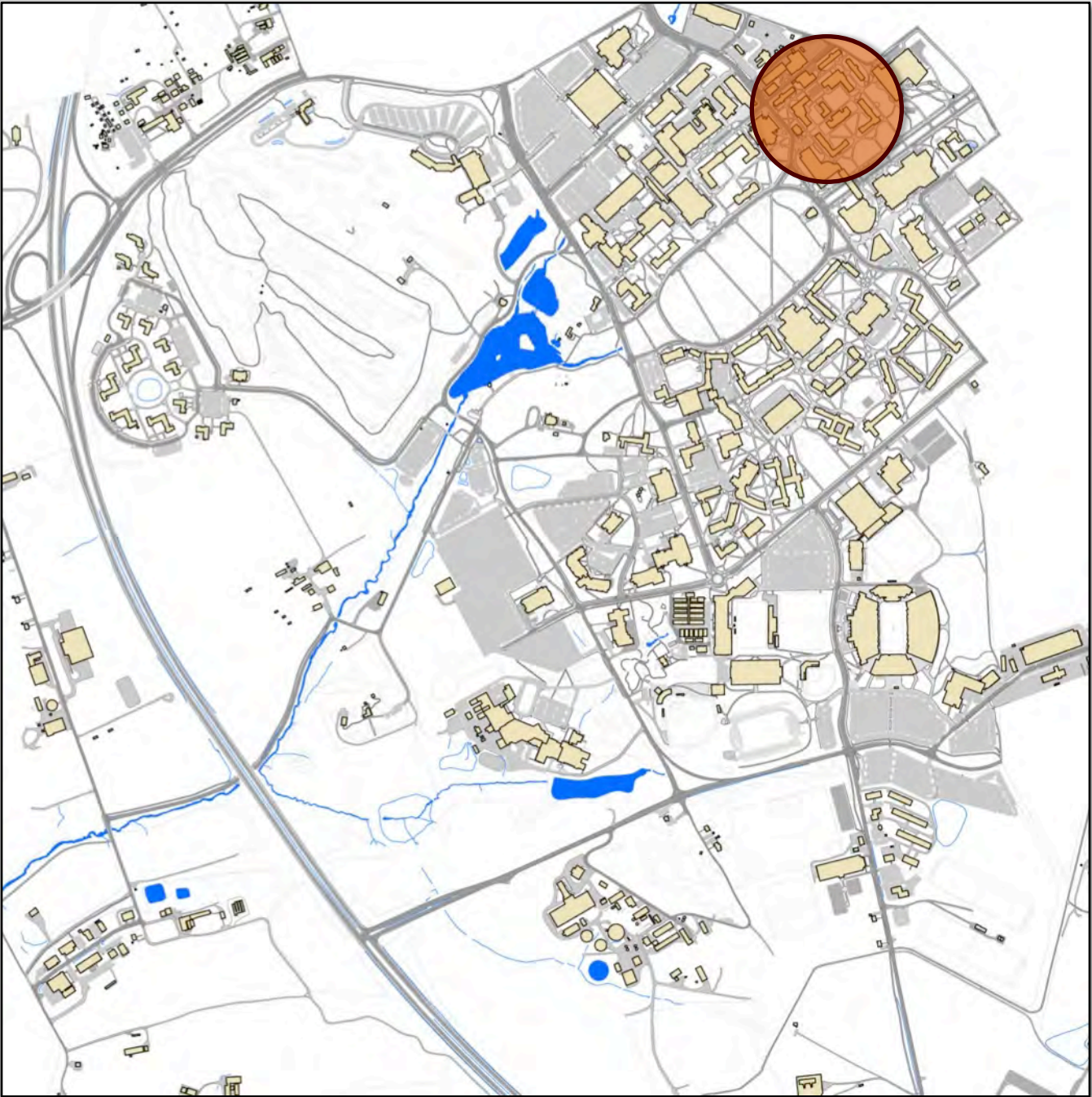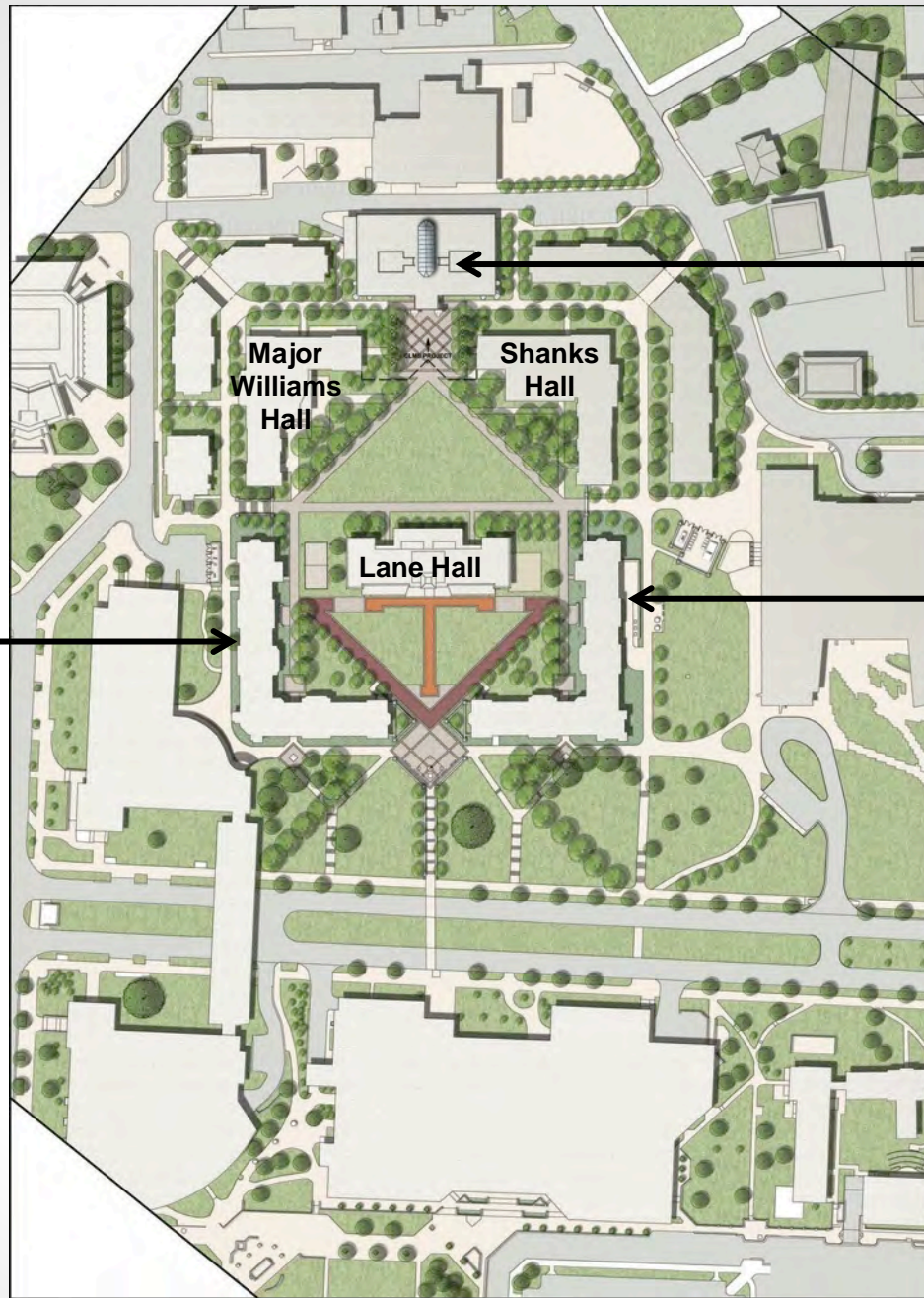
Brodie Hall Replacement

Rasche Hall Replacement

ACADEMIC CORE: Upper Quad
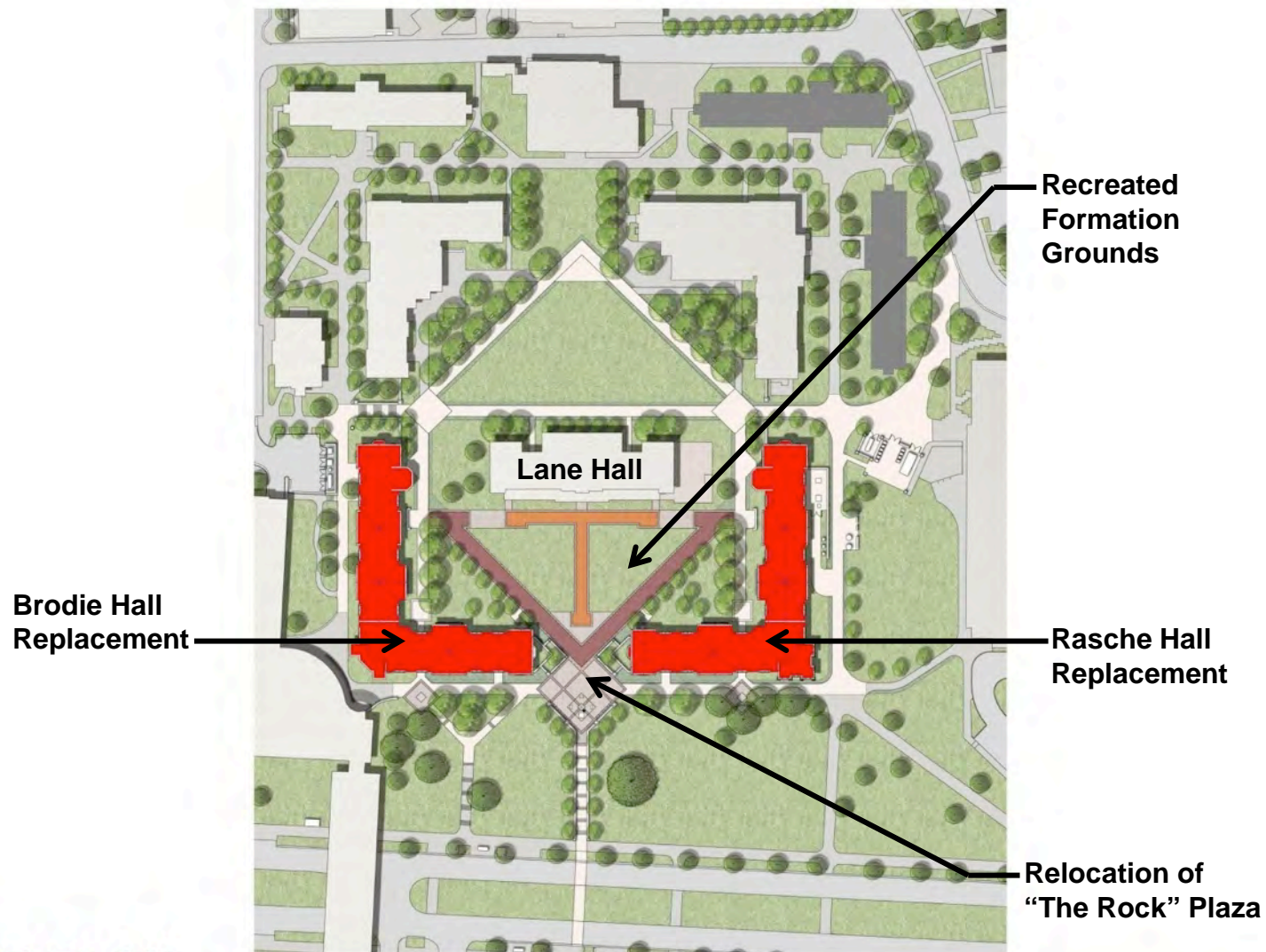
SITE PLAN
VIRGINIA TECH - UPPER QUAD RESIDENTIAL FACILITIES
Blacksburg, VA

09/09/13 CLARK·NEXSEN
Architecture & Engineering

ACADEMIC CORE: Upper Quad

Construction Photo

ACADEMIC CORE: North Campus Precinct

Campus Edge Identity | Openspace Network | Stormwater Management | Efficient Road Network | Minimize Conflicts

Pedestrian Connections | Creating Arrival | Address Service Access | Garage Access | Optimize Buildable Area

NORTH ACADEMIC PRECINCT - PREFERRED CONCEPT
June, 2013

north 1"=100'

NOTE: This plan is illustrative only, final design and engineering of development shown are not yet determined.

PRICES FORKS ROAD

WEST CAMPUS ROAD

STANGER STREET

TURNER STREET

SIGNATURE ENGINEERING BUILDING

EXISTING PARKING GARAGE

NEW CLASSROOM BUILDING

UNDERGRADUATE SCIENCES LABORATORY BUILDING

ACADEMIC CORE: North Campus Precinct

Campus Edge Identity | Openspace Network | Stormwater Management | Efficient Road Network | Minimize Conflicts

Pedestrian Connections | Creating Arrival | Address Service Access | Garage Access | Optimize Buildable Area

NORTH ACADEMIC PRECINCT - PREFERRED CONCEPT
June, 2013

north 1":100'

NOTE: This plan is illustrative only, final design and engineering of development shown are not yet determined.

PRICES FORKS ROAD

SIGNATURE ENGINEERING BUILDING

EXISTING PARKING GARAGE

WEST CAMPUS ROAD

STANGER STREET

TURNER STREET

NEW CLASSROOM BUILDING

UNDERGRADUATE SCIENCES LABORATORY BUILDING

ACADEMIC CORE: North Campus Precinct

So…What type of Pedestrian Experience will this Create?
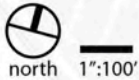
Campus Edge Identity

Openspace Network

Stormwater Management

Efficient Road Network

Minimize Conflicts

Pedestrian Connections

Creating Arrival

Address Service Access

Garage Access

Optimize Buildable Area

NORTH ACADEMIC PRECINCT - PREFERRED CONCEPT
June, 2013

north 1":100'

NOTE: This plan is illustrative only, final design and engineering of development shown are not yet determined.

PRICES FORKS ROAD

TRANSFER HUB

ROUNDABOUT

SIGNATURE ENGINEERING BUILDING

STANGER STREET

TURNER STREET

WEST CAMPUS ROAD

EXISTING PARKING GARAGE

PERRY STREET

TO WESTERN PERIMETER ROAD

MULTI MODAL TRANSFER FACILITY

UNDERGRADUATE SCIENCES LABORATORY BUILDING

ACADEMIC CORE: North Campus Precinct

ACADEMIC CORE: North Campus Precinct
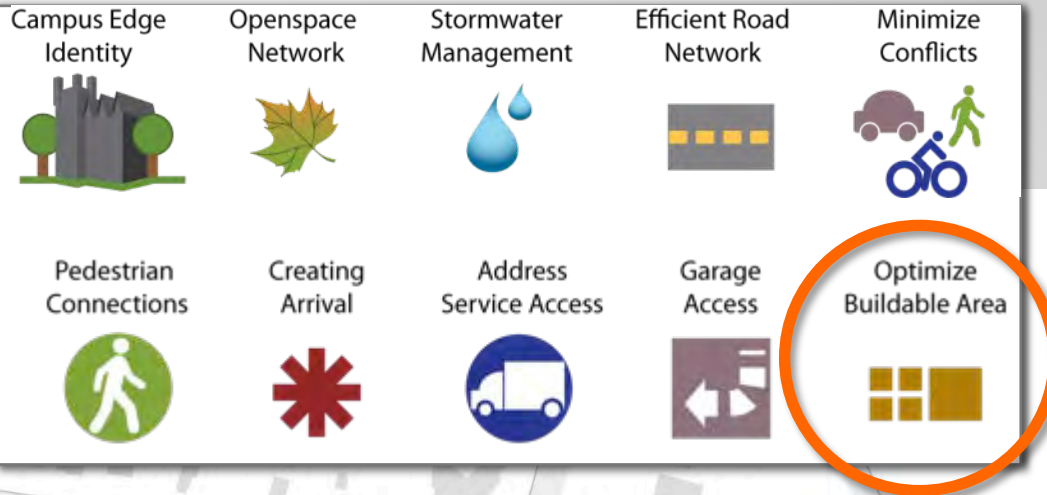
ACADEMIC CORE: Drillfield

Modified Edge Parking

Upgraded Pedestrian Paths

Upgraded Field Turf

Outer Loop Running Trail

Upgraded Edge Landscaping

New Trailheads
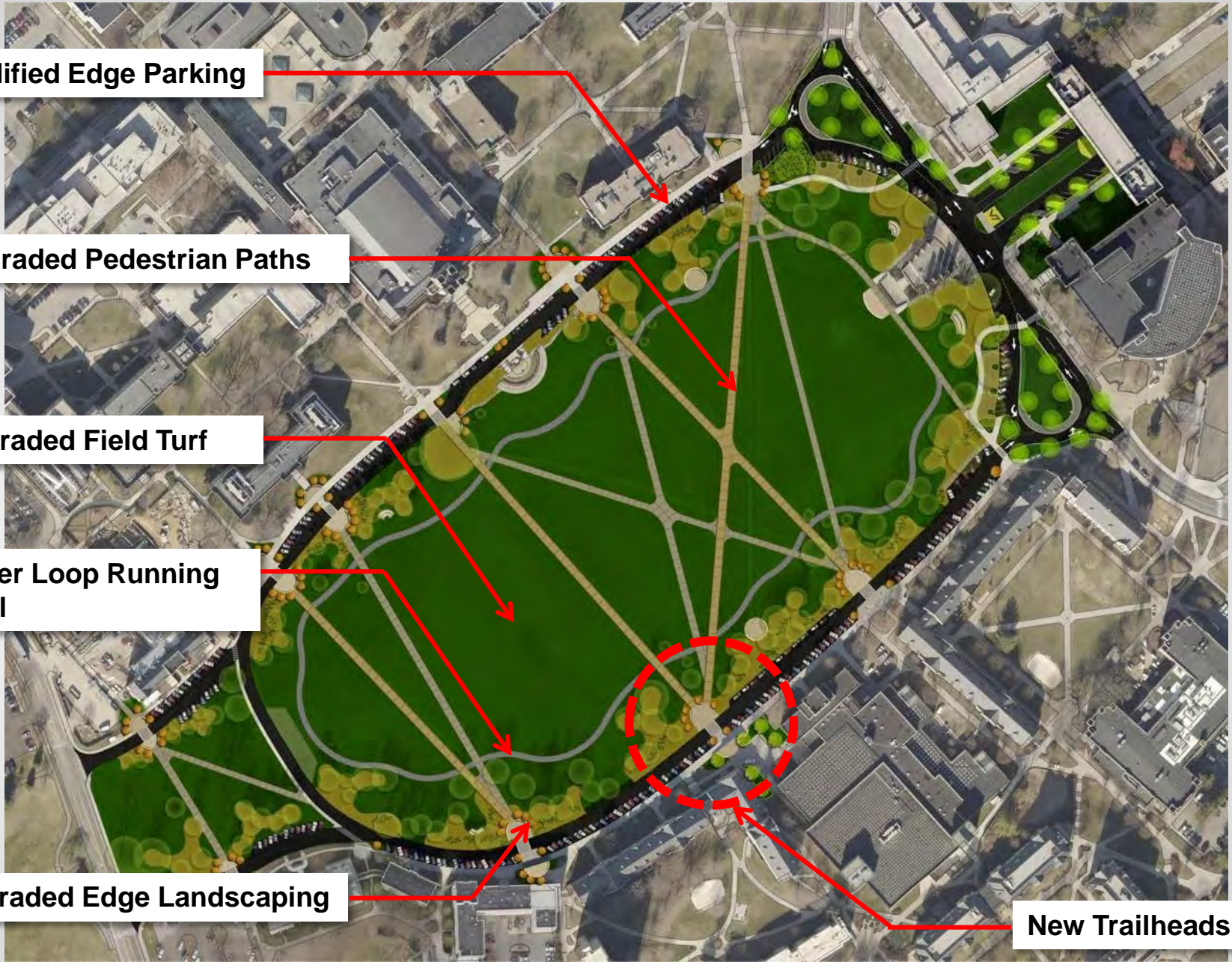
ACADEMIC CORE: Drillfield

- Improved Seating Opportunities
- Upgraded Paths
- Upgraded Crosswalks and Lighting
- Consistent, Upgraded Site Furniture
- Improved Amenities, Including Wi-Fi
- Upgraded Landscape Treatment

ACADEMIC CORE: Drillfield – Typical Trailhead
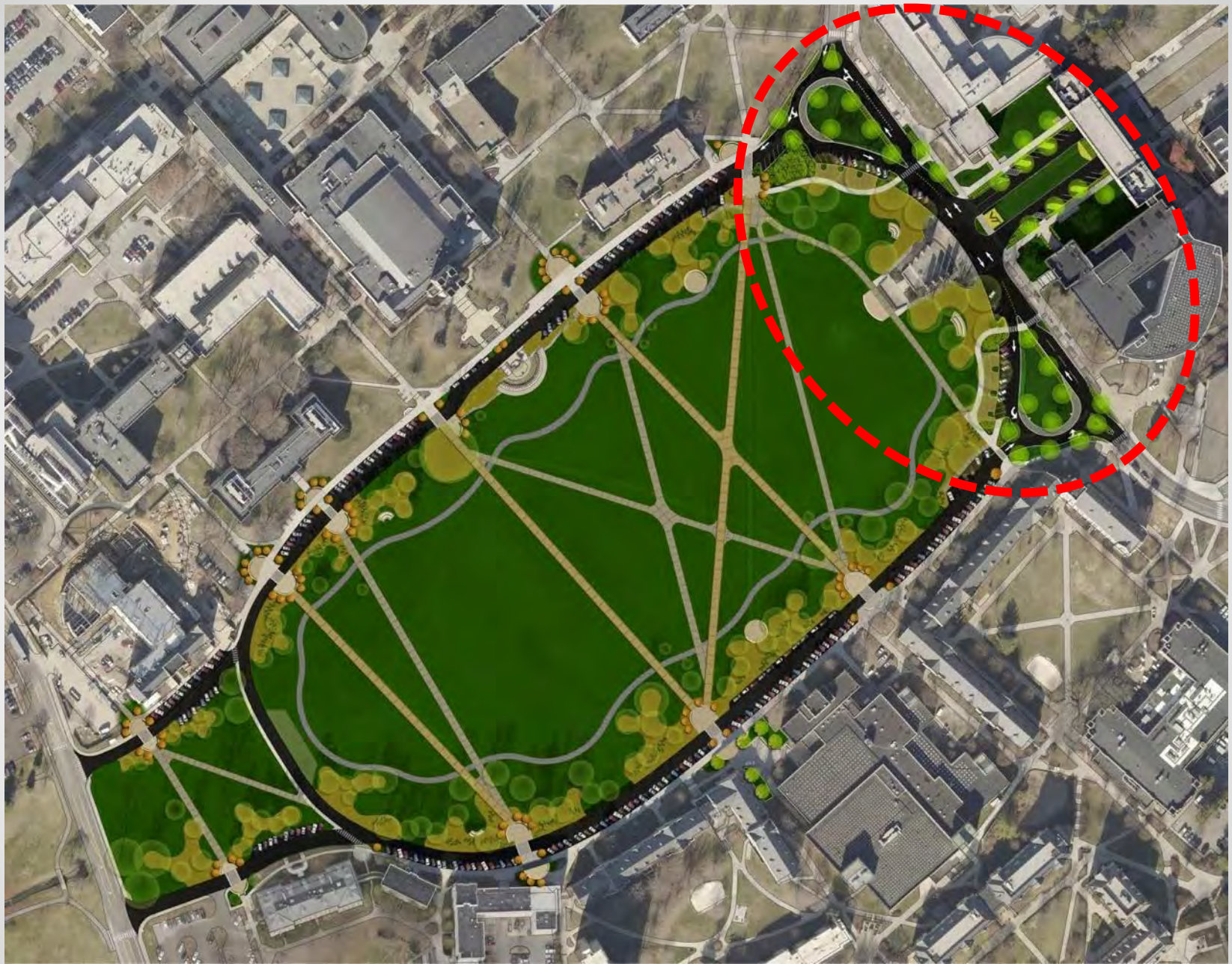
ACADEMIC CORE: Drillfield

DRILLFIELD ROAD IMPROVEMENTS – Existing Aerial Photo

Collaborative review with stakeholders including:

- Parking & Transportation Office
- Site & Infrastructure Development Office
- Town of Blacksburg
- Blacksburg Transit
- Town of Blacksburg Traffic Engineers
- Arboretum Committee
- Others

ACADEMIC CORE: Drillfield – Traffic Enhancements

ACADEMIC CORE: Alumni Mall – Parking Enhancements
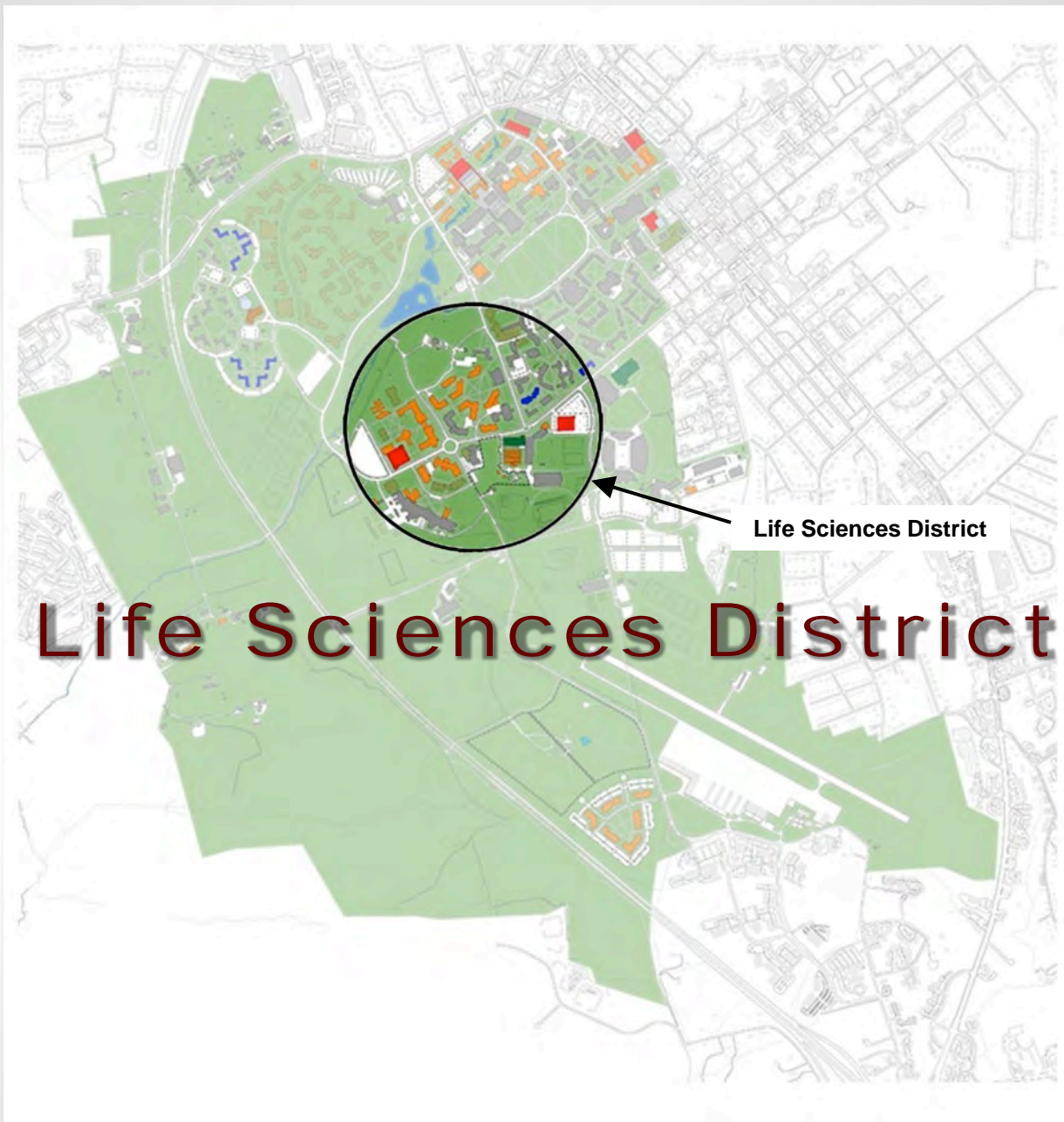
Life Sciences District

Life Sciences District
Recent Changes

93,860 GSF
Completed
Spring 2014

LIFE SCIENCES DISTRICT:
Human & Agricultural Biosciences Building

Life Sciences District
Upcoming Changes

Vehicle/ Pedestrian CONFLICT

Research Walk

Duck Pond Drive

To Western Perimeter Road
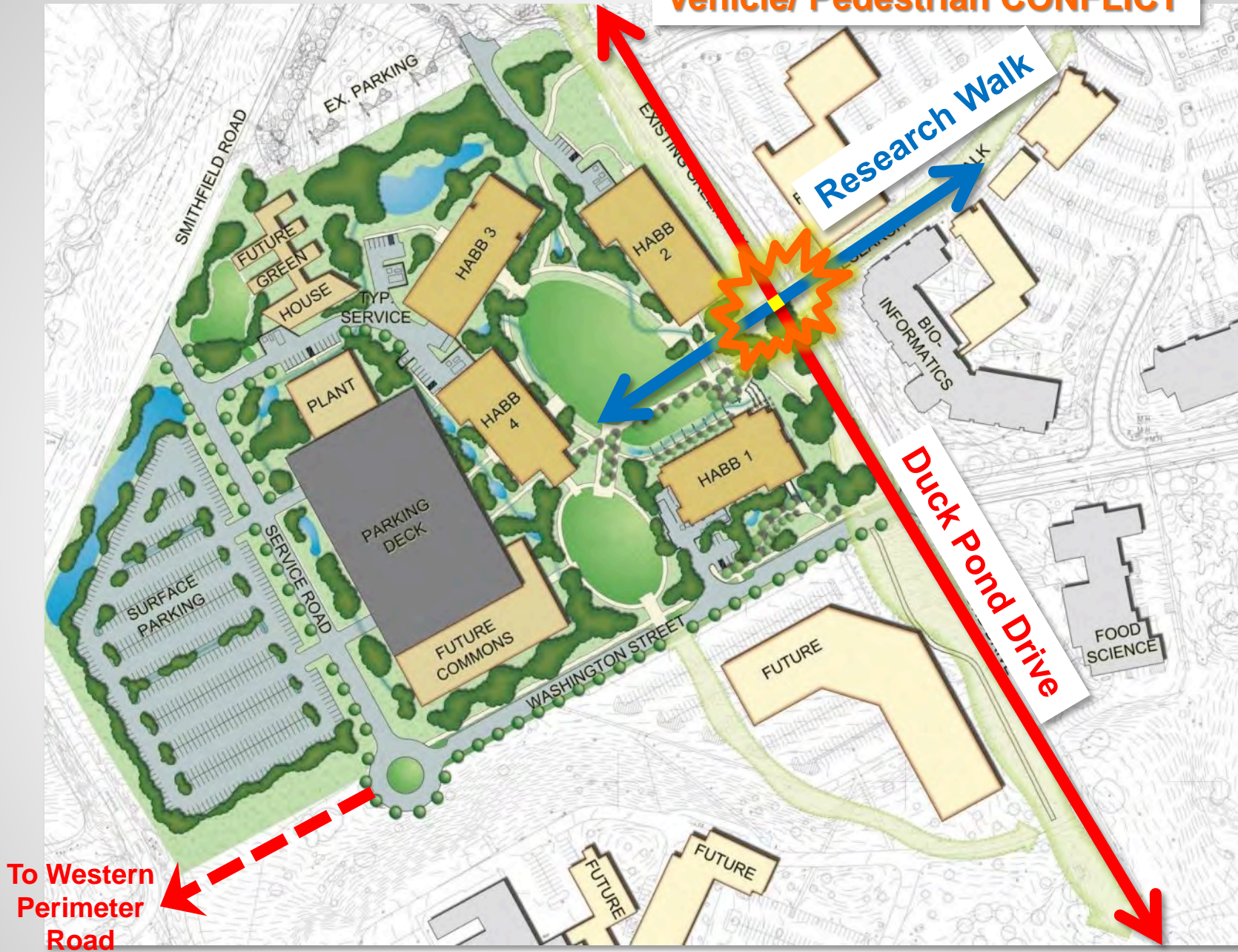
LIFE SCIENCES District MP (The "CAGE")

Vehicle/ Pedestrian SOLUTION

Research Walk

Duck Pond Drive
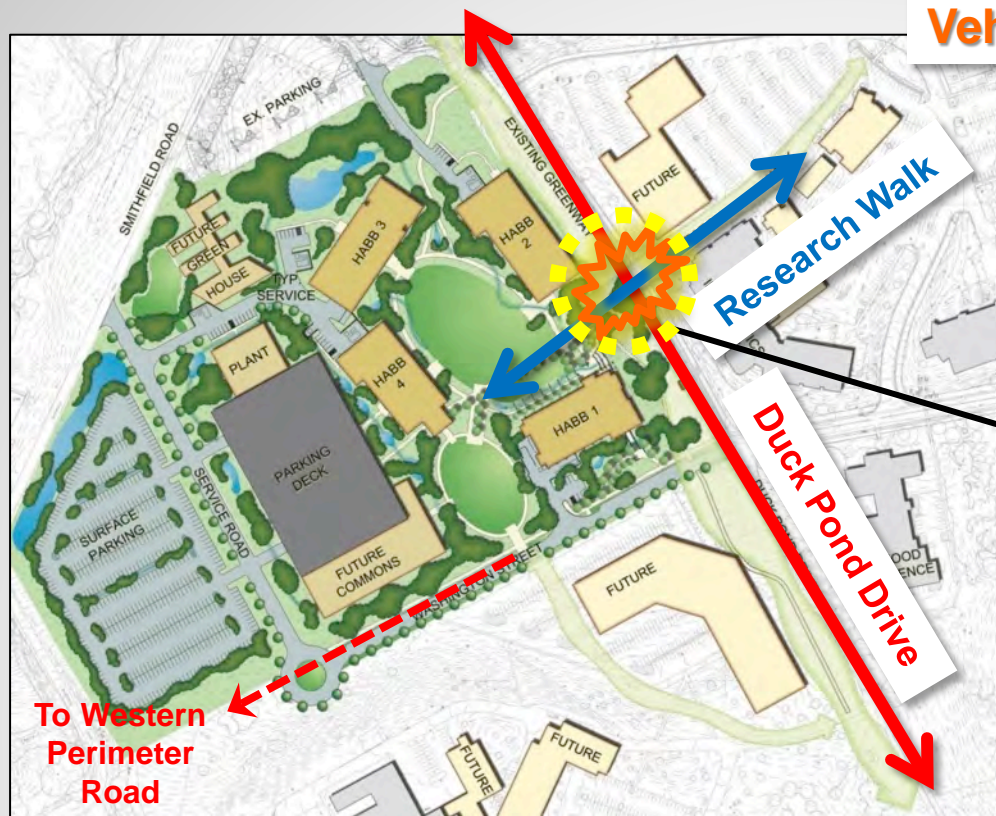
Grade Separated Paths

To Western Perimeter Road

To The Life Science Precinct

To Main Campus

Duck Pond Drive *(cars above)*

SECTION ELEVATION "A"
RESEARCH WALK LOOKING NORTH

Research Walk *(pedestrians below)*
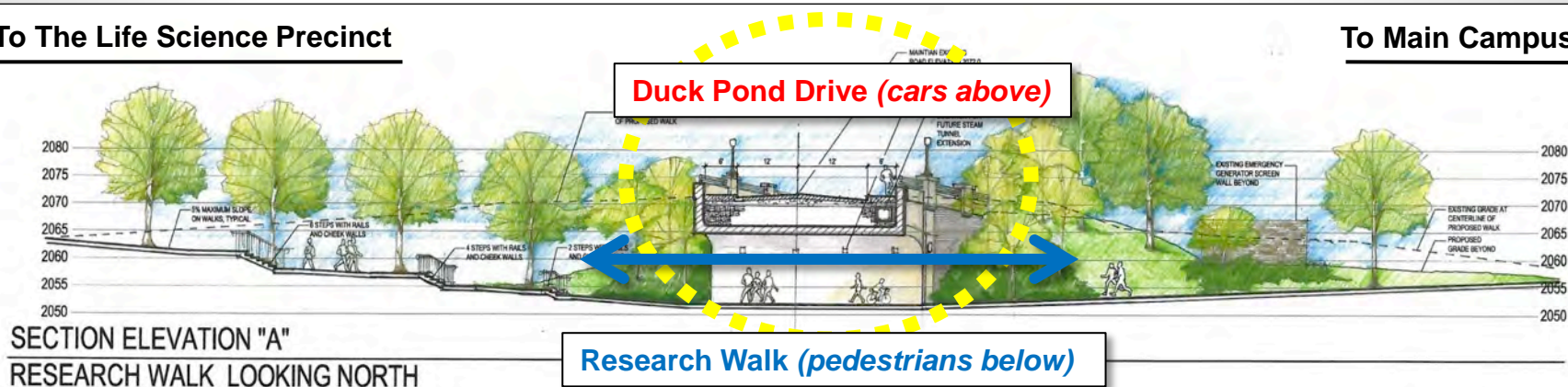
LIFE SCIENCES DISTRICT: Research Walk
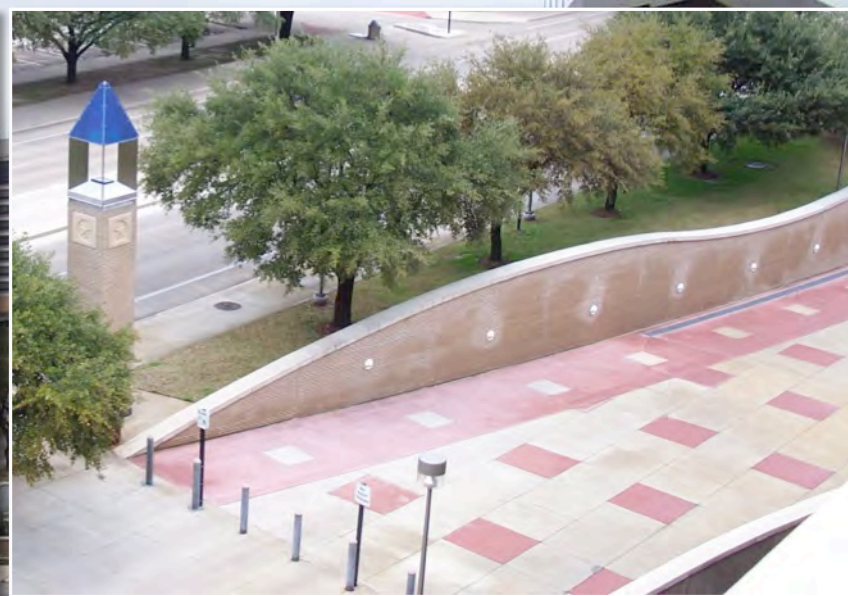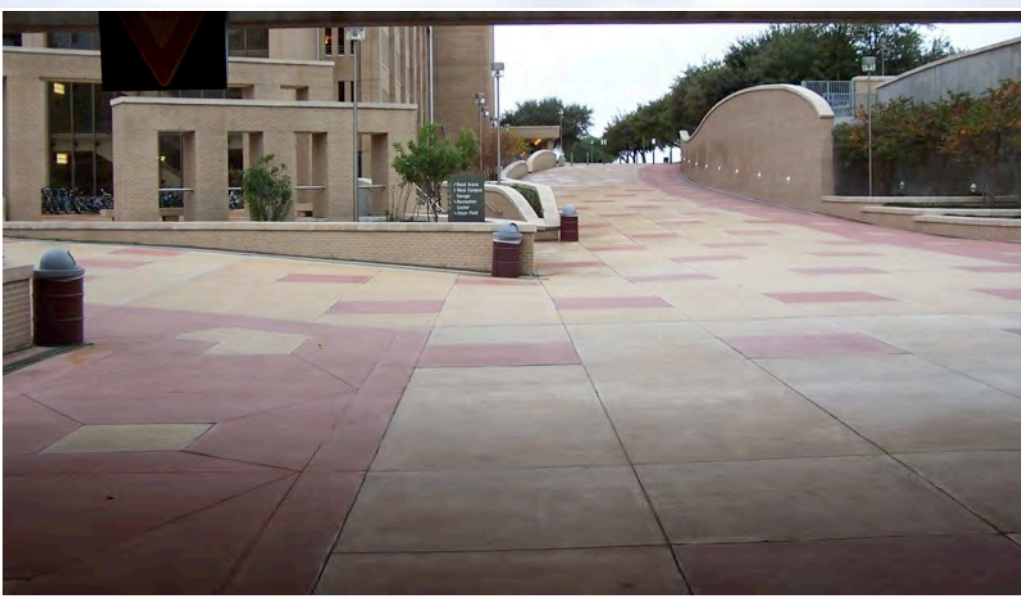
VT can do better!
-Include Plazas
-Banners
-Other

Texas A&M Pedestrian Tunnel

CRC / Research District
Upcoming Changes

Southgate Dr.

460 By Pass

CRC/Research
Expansion

EXISTING AIRPORT (Runway + RPZ)

AIRPORT EXPANSION

To Western Perimeter Road
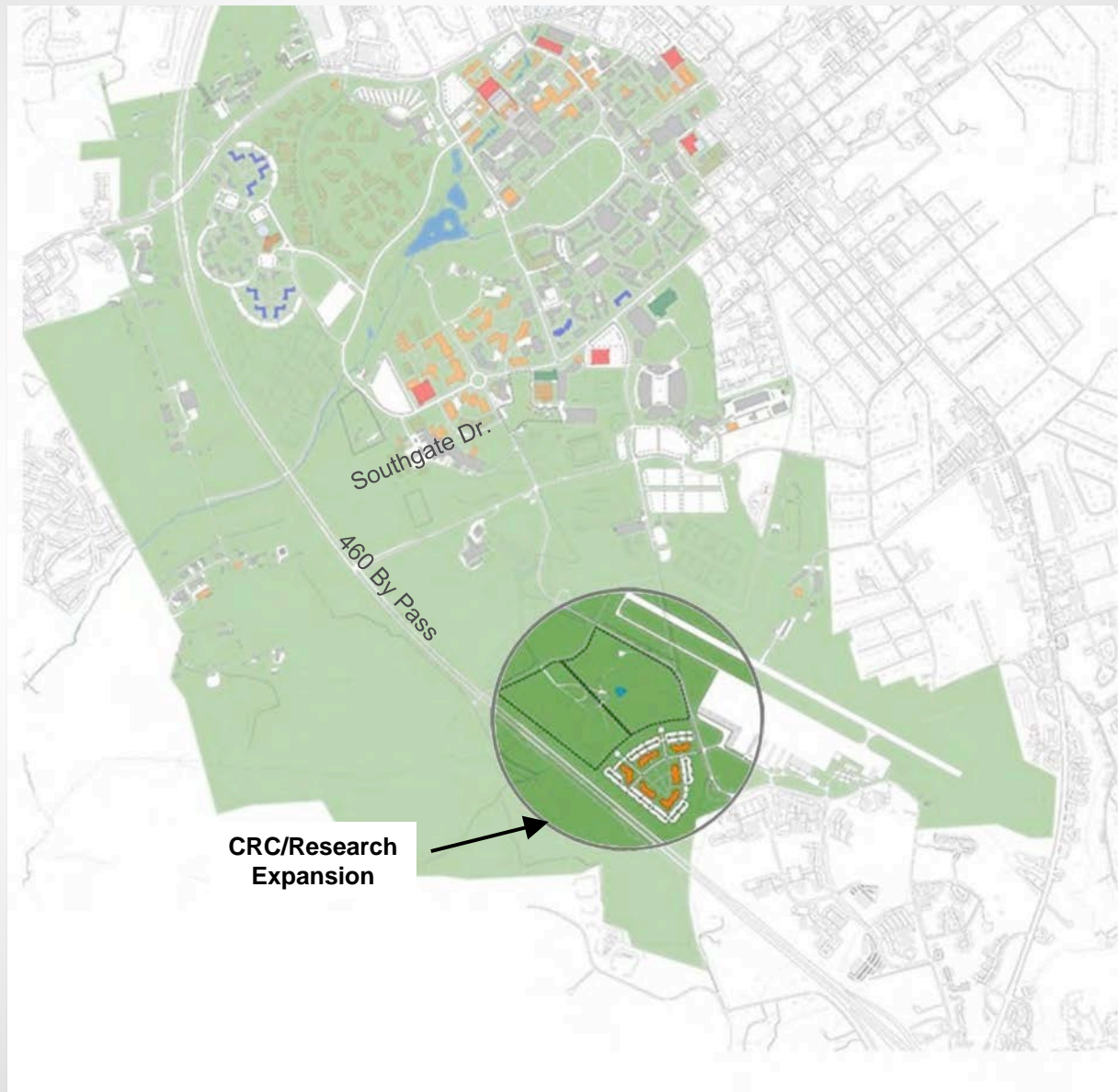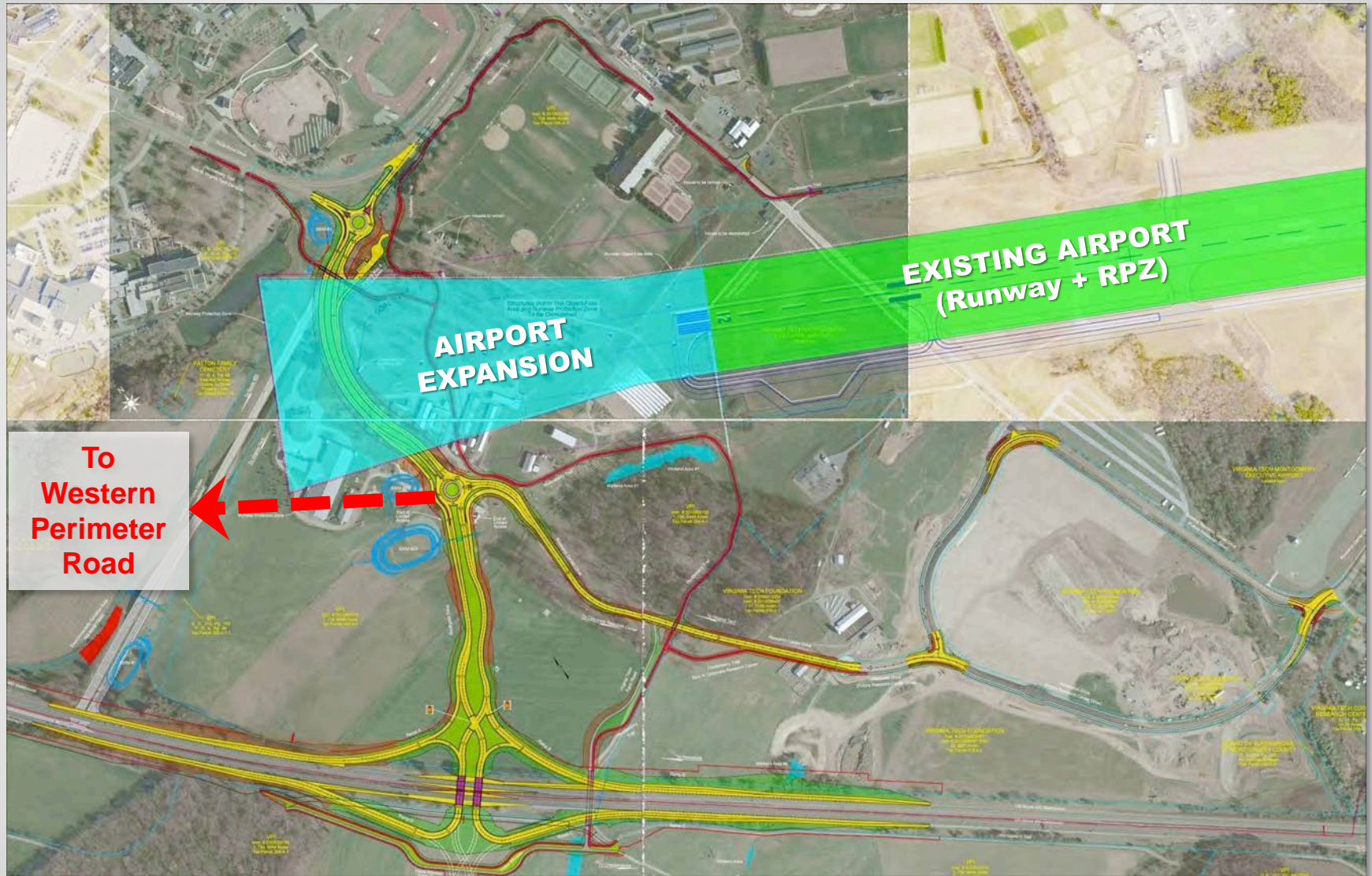
CRC / RESEARCH DISTRICT: Transportation Enhancements

Kentland Fa...

PHASE I: DAIRY PROC...

Existing Dairy Location

Relocation Site: Kentland
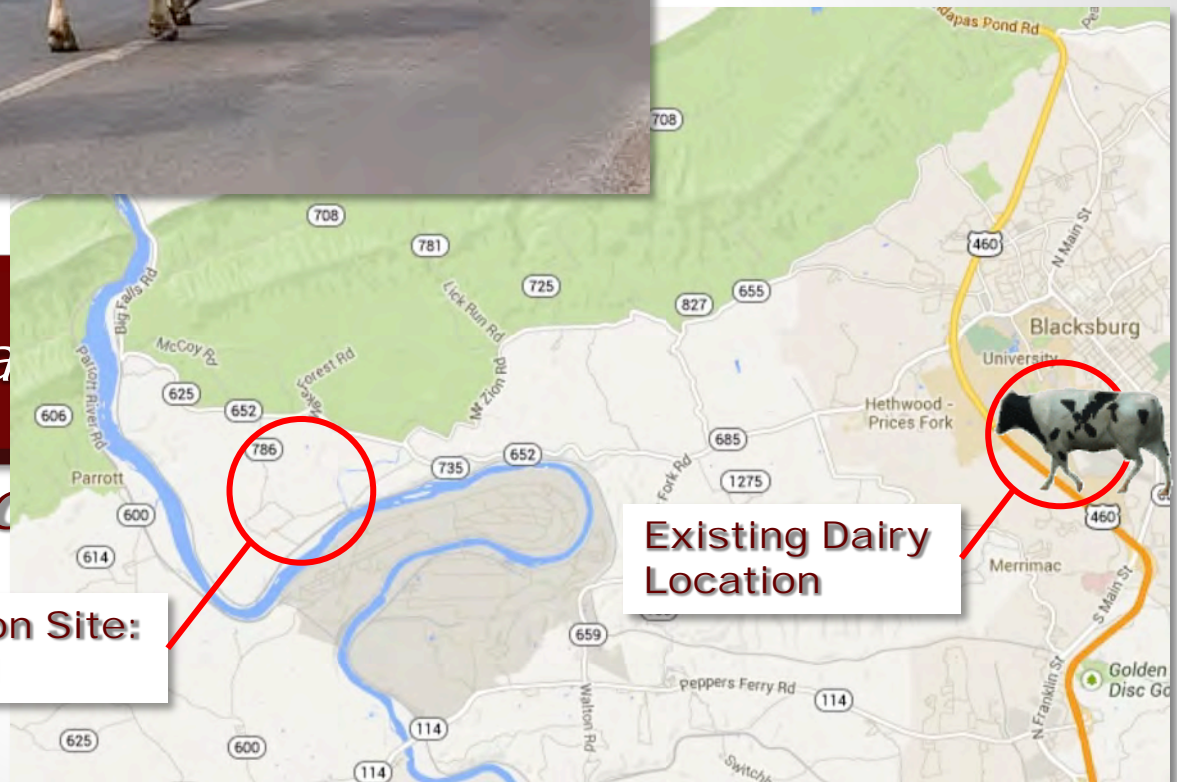
Why do we need it?

West Campus Drive & Duck Pond Drive:
Primary North/ South Traffic Arteries

Visitor Center

Primary Commuter
Parking Zones

LIFE SCIENCES DISTRICT: Western Perimeter Road
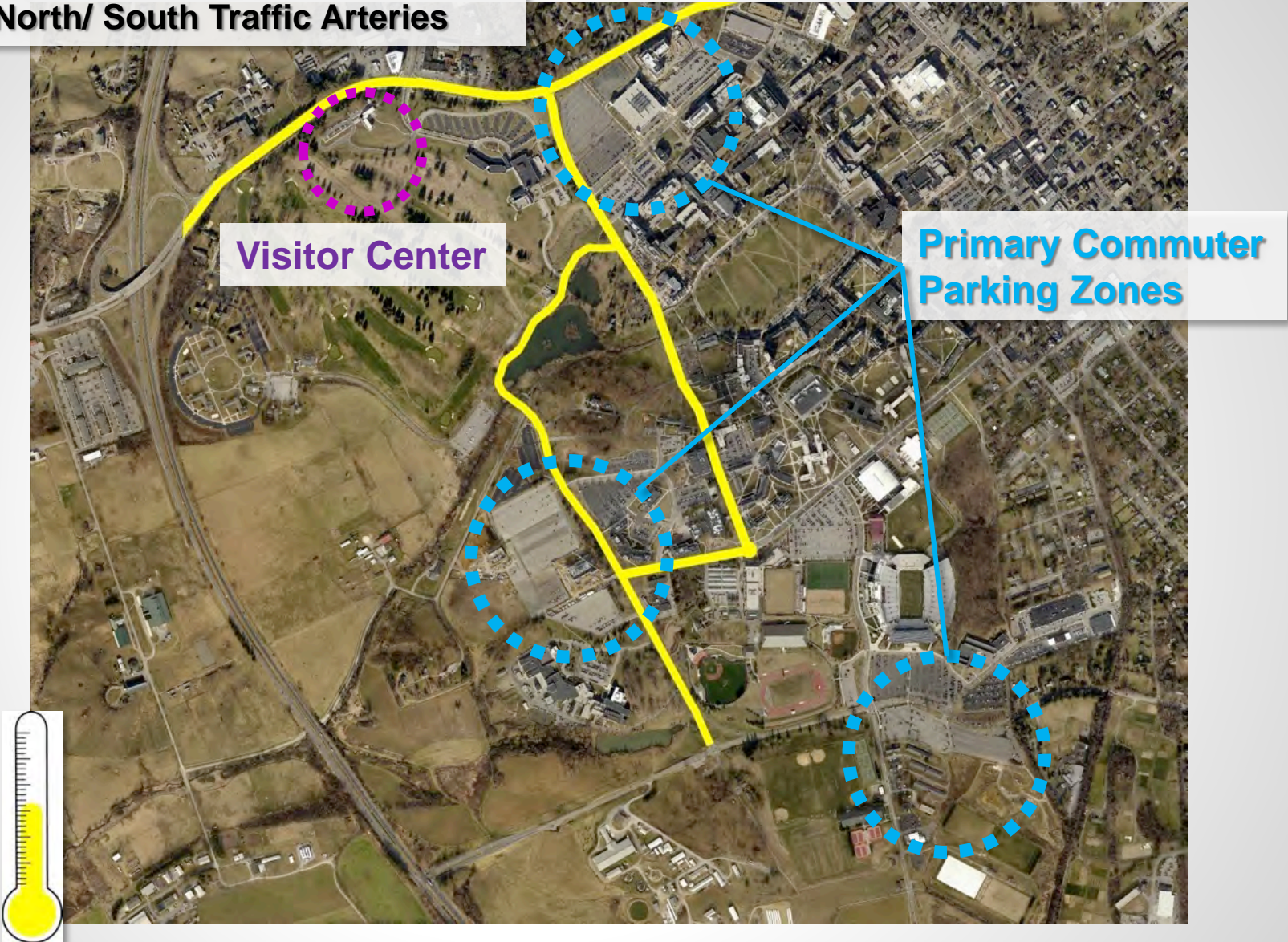
West Campus Drive & Duck Pond Drive: Primary North/ South Traffic Arteries
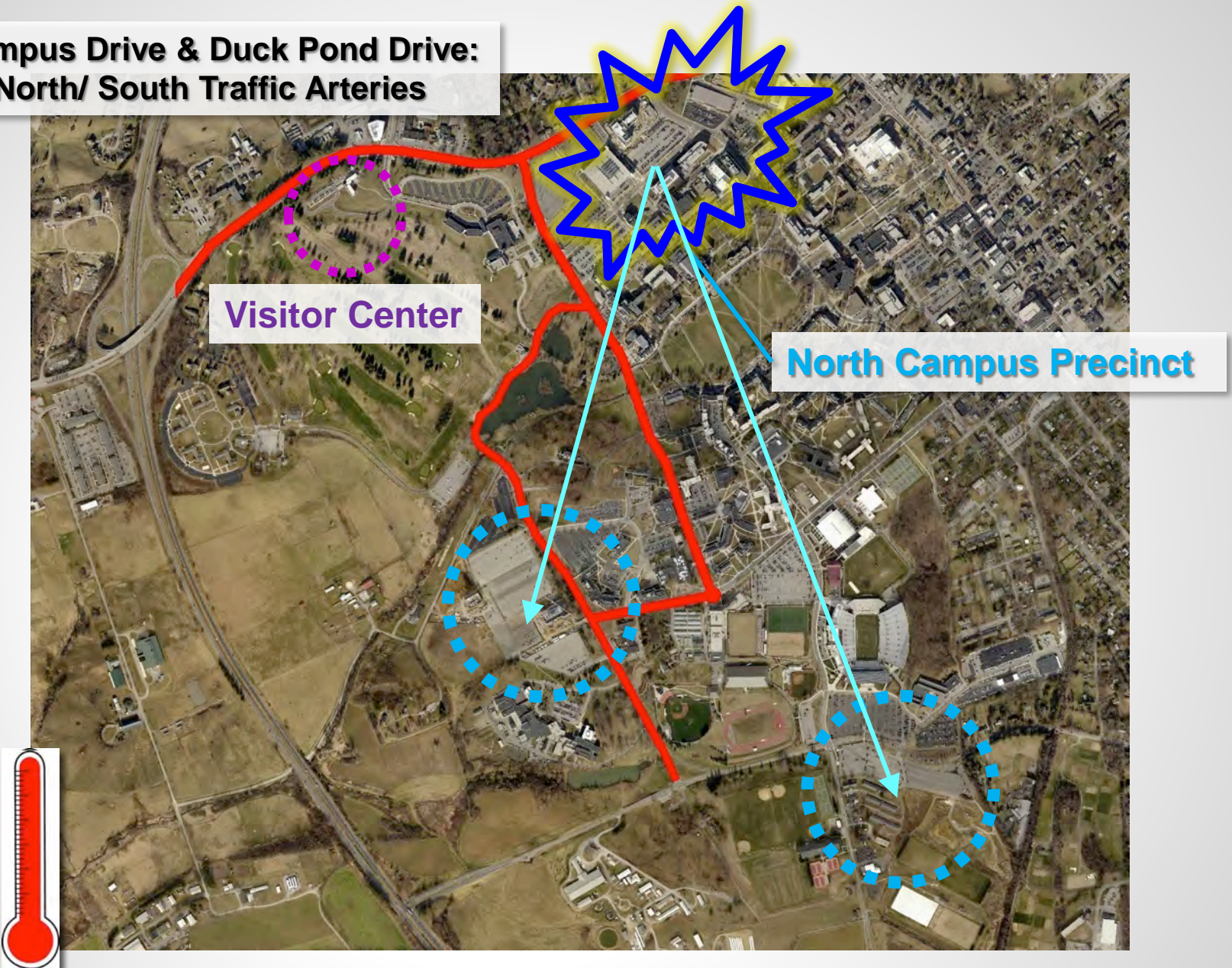
Visitor Center

North Campus Precinct

LIFE SCIENCES DISTRICT: Western Perimeter Road

West Campus Drive & Duck Pond Drive: Primary North/ South Traffic Arteries
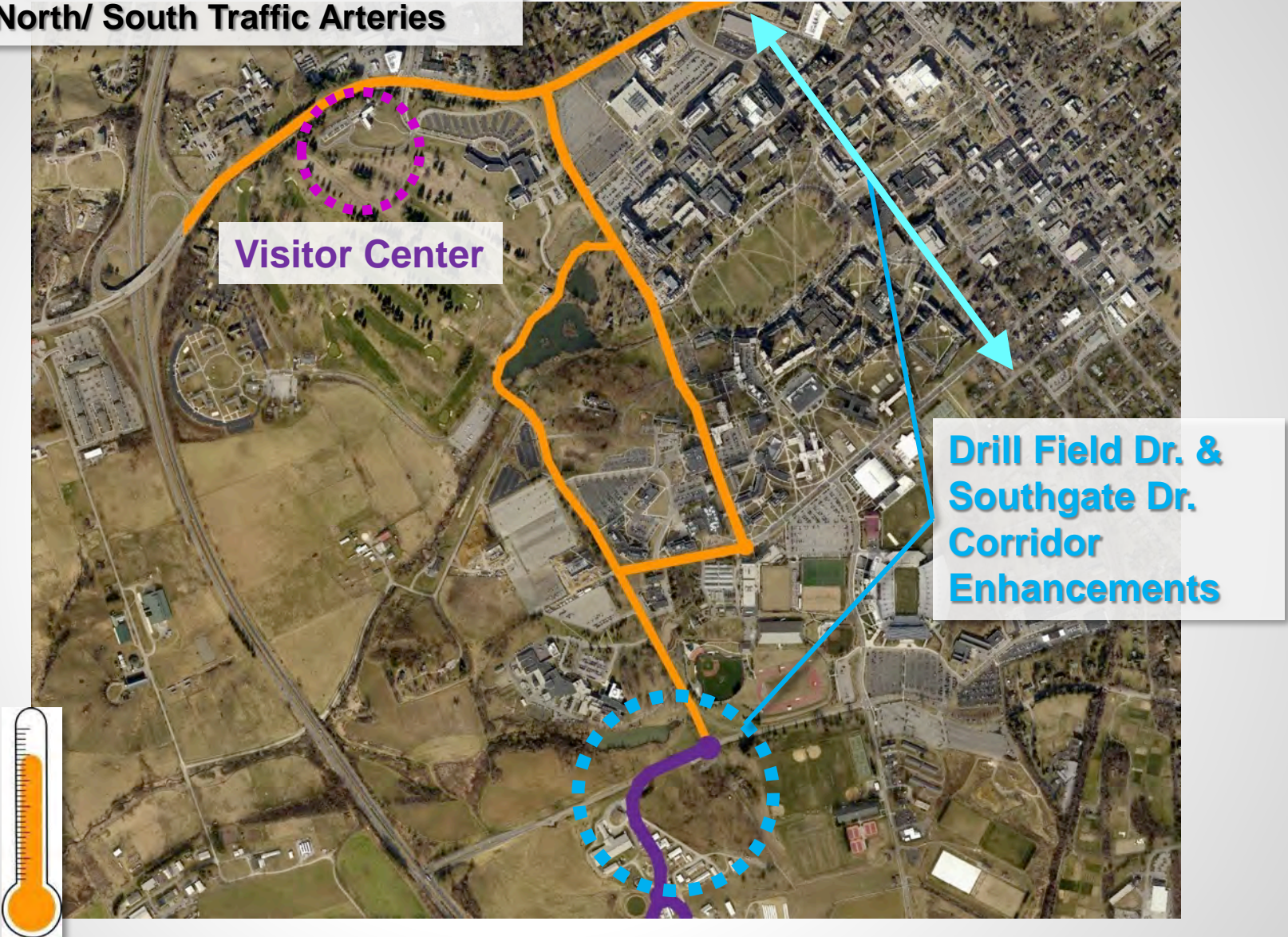
Visitor Center

Drill Field Dr. & Southgate Dr. Corridor Enhancements

LIFE SCIENCES DISTRICT: Western Perimeter Road

West Campus Drive & Duck Pond Drive: Primary North/ South Traffic Arteries

Visitor Center

LIFE SCIENCES DISTRICT: Western Perimeter Road
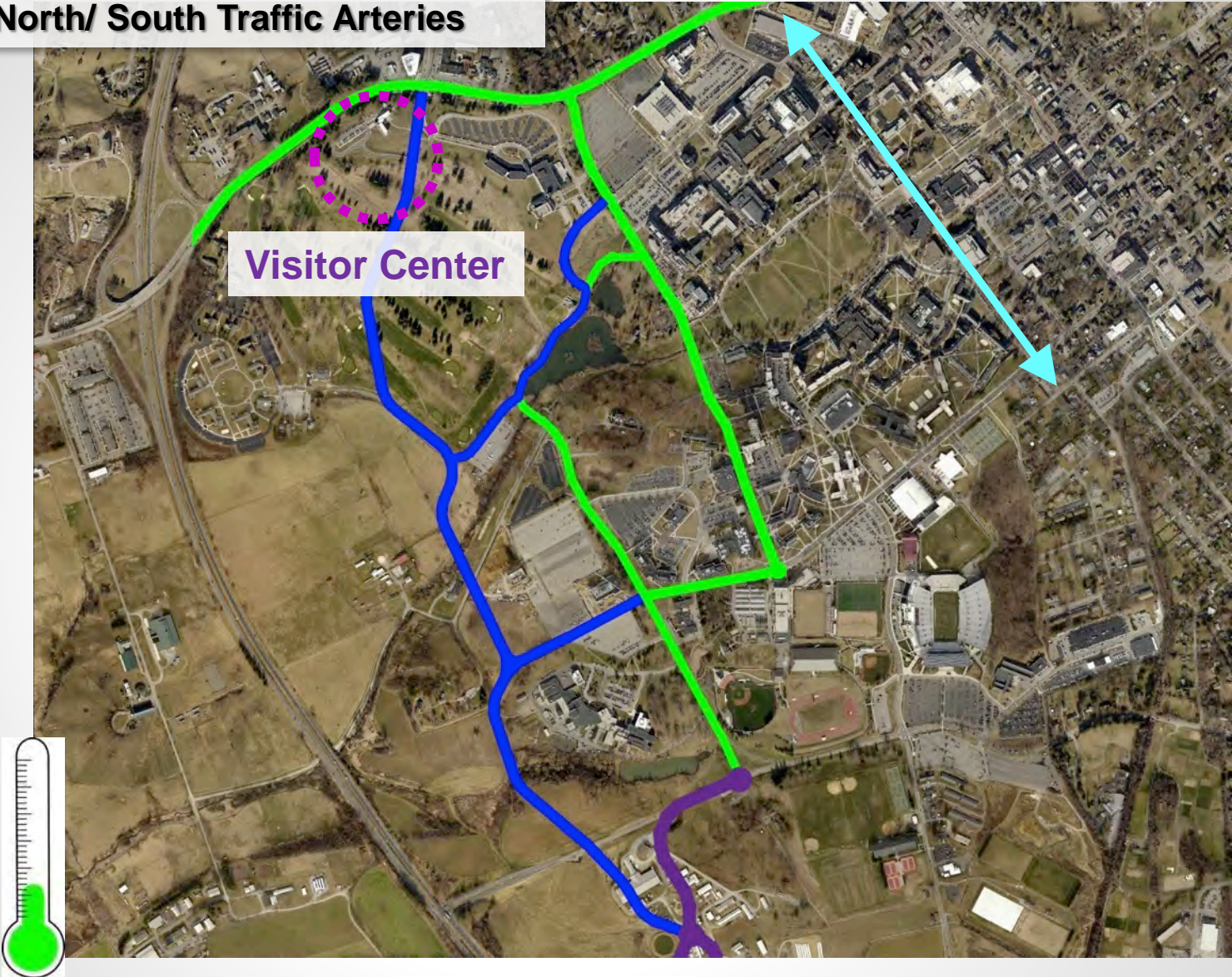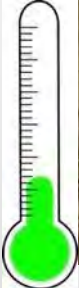
Campus-Wide Initiatives

CHEATHAM- WEST END MARKET WALKS- PROPOSED IMPROVEMENTS
Virginia Tech Office of University Planning   1"= 20'   04/21/14
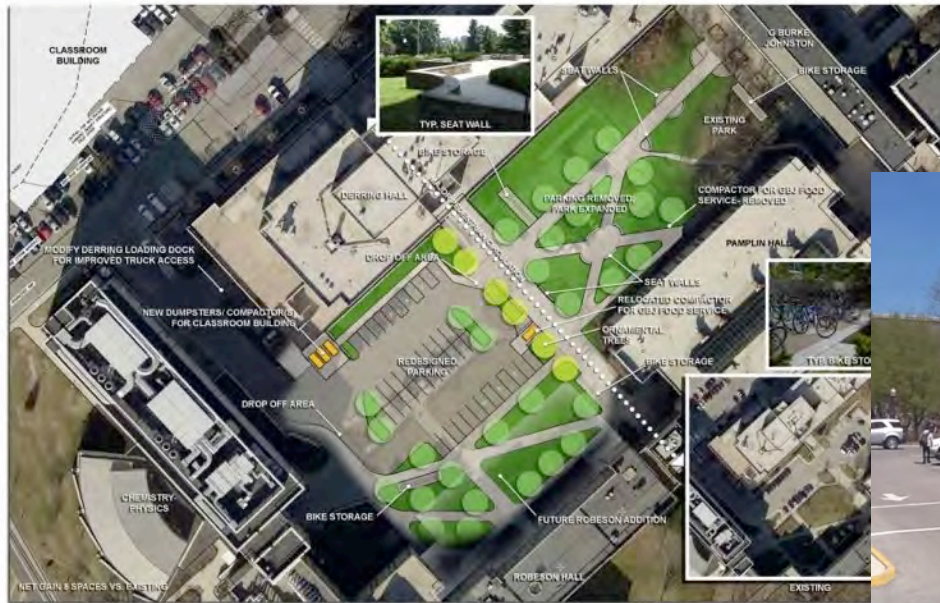
ROBESON/ DERRING PARKING IMPROVEMENTS
Virginia Tech Office of University Planning   Not to Scale   07/11/13
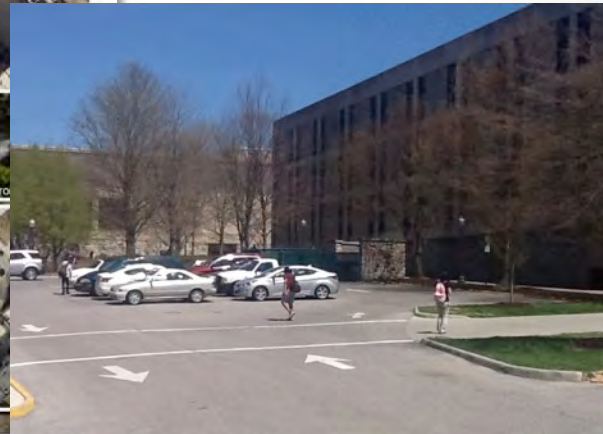
ENHANCING THE OUTDOOR ENVIRONMENT– Quad Enhancements

ENHANCING THE OUTDOOR ENVIRONMENT– "Visual Nodes"
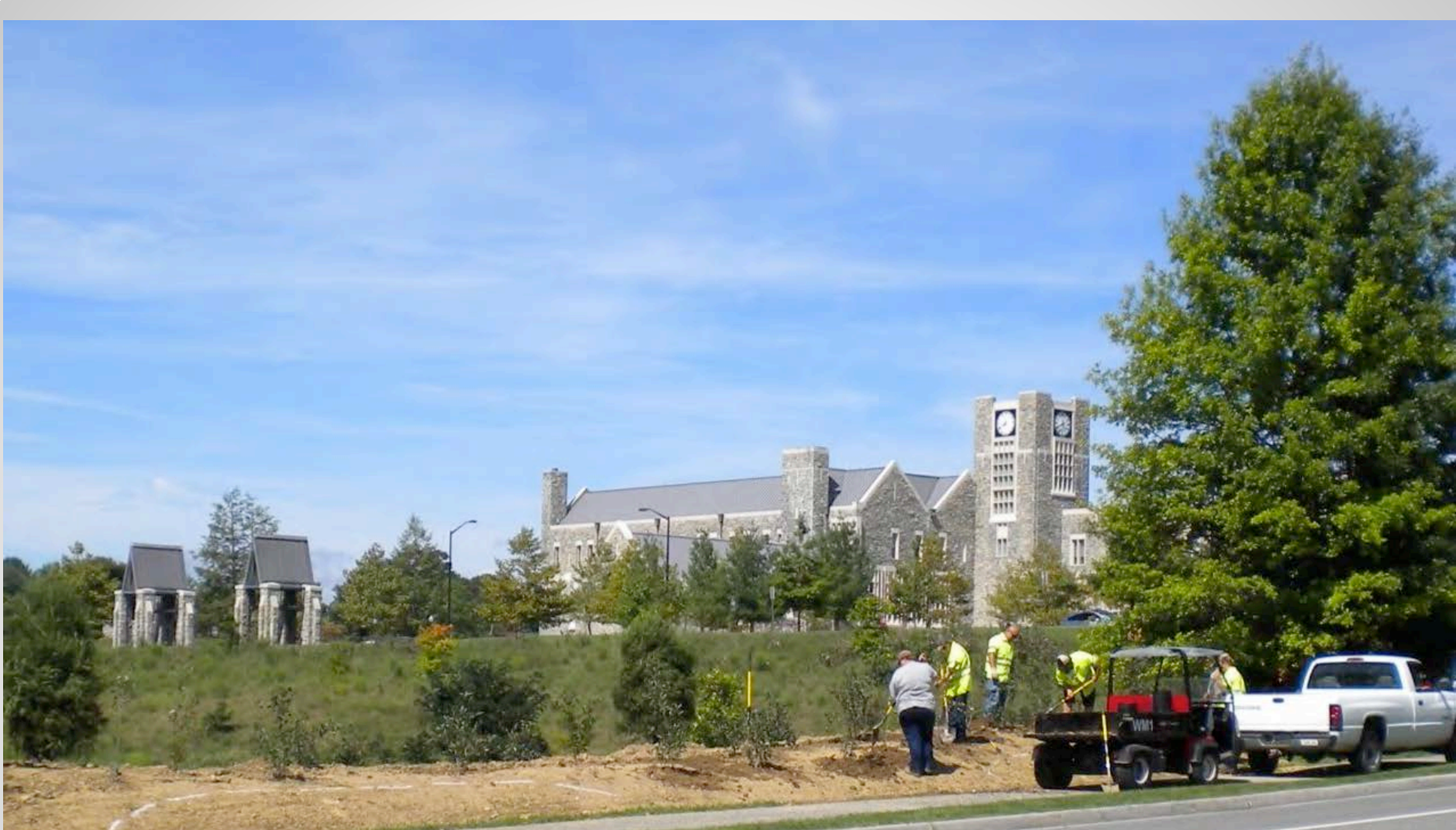
ENHANCING THE OUTDOOR ENVIRONMENT– "Visual Nodes"

ENHANCING THE OUTDOOR ENVIRONMENT– "Pocket Parks"
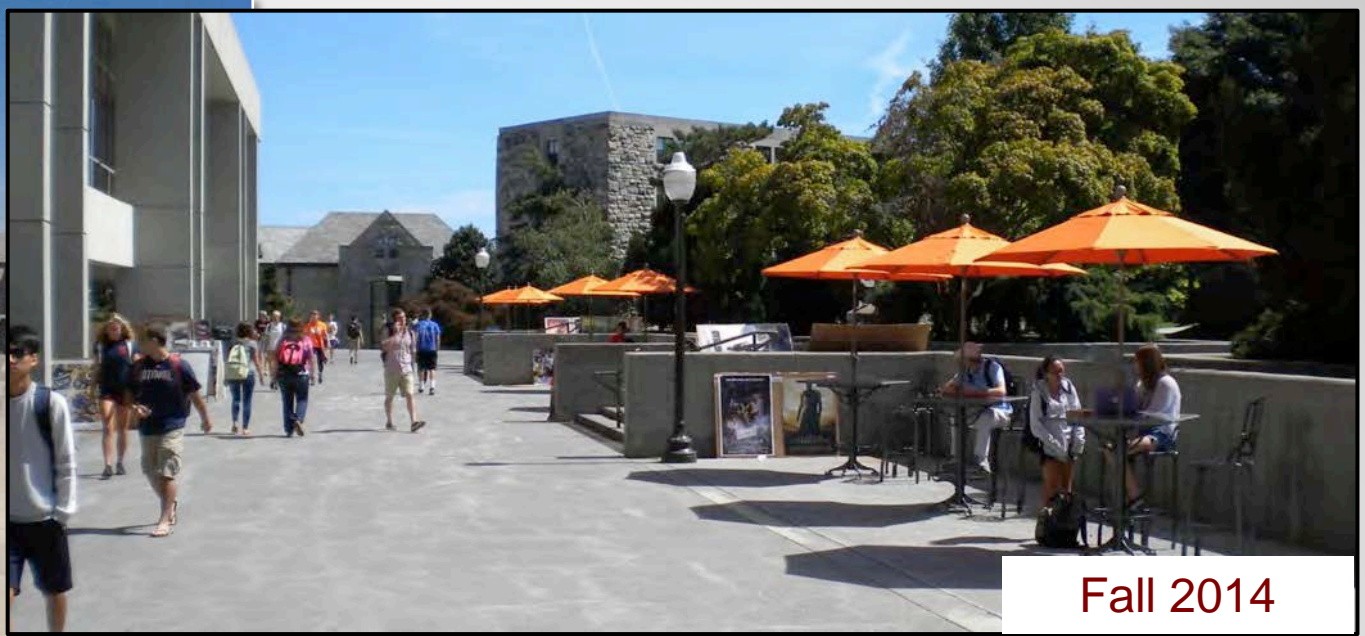
Spring 2014

Fall 2014

Spring 2014

Fall 2014

ENHANCING `THE OUTDOOR ENVIRONMENT– "Pocket Parks"

Spring 2014

Fall 2014

ENHANCING THE OUTDOOR ENVIRONMENT– "Pocket Parks"

Wayfinding

Successful wayfinding:

- **Is Easy** to understand & use
- Reflects **Virginia Tech's Culture** and reinforces our **Brand**
- **Compliments** our unique **Architecture** and campus **Landscape**

Virginia Tech Wayfinding & Signage System
May 6, 2013
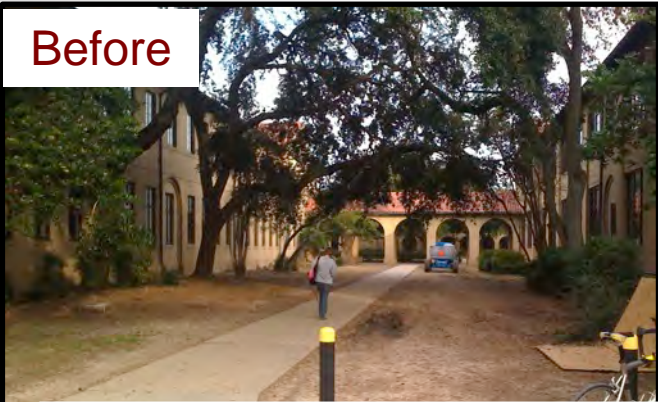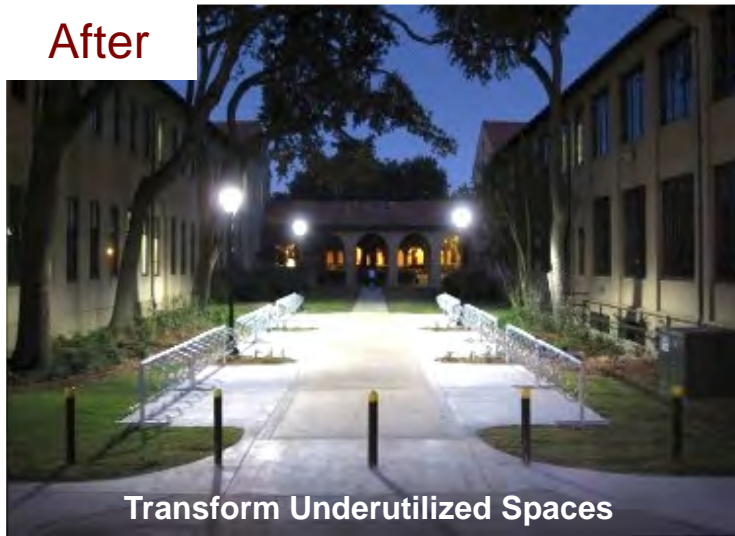
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Before
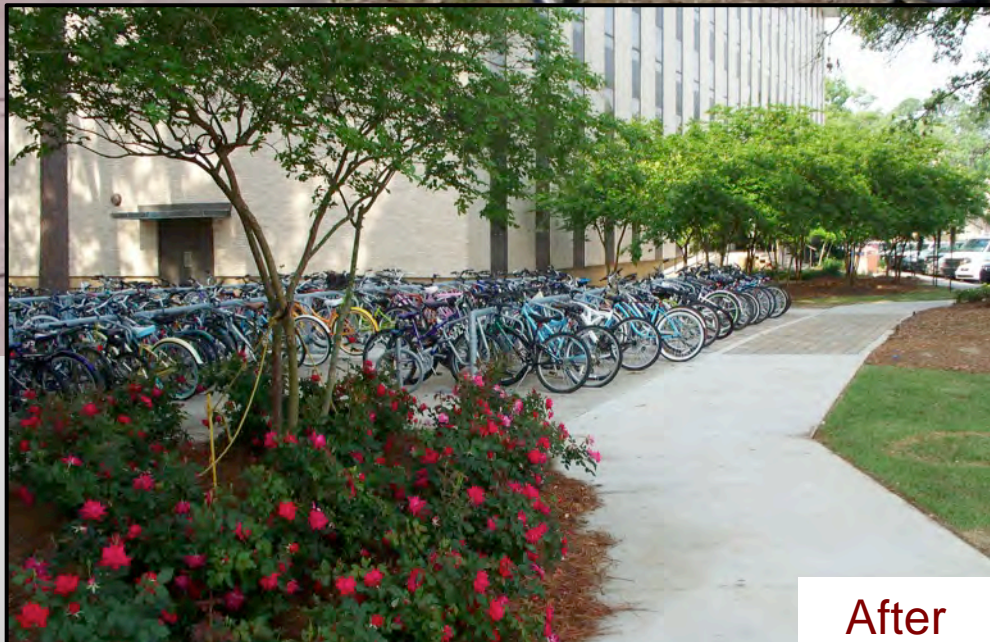
After

Virginia Tech Reinventing Its Future

Initial Scope Being Developed

for the

2016/2017

Master Plan Update

Questions / Comments

Update on Route 460 Interchange and Airport Runway Extension Projects

EXISTING AIRPORT (Runway + RPZ)

AIRPORT EXPANSION
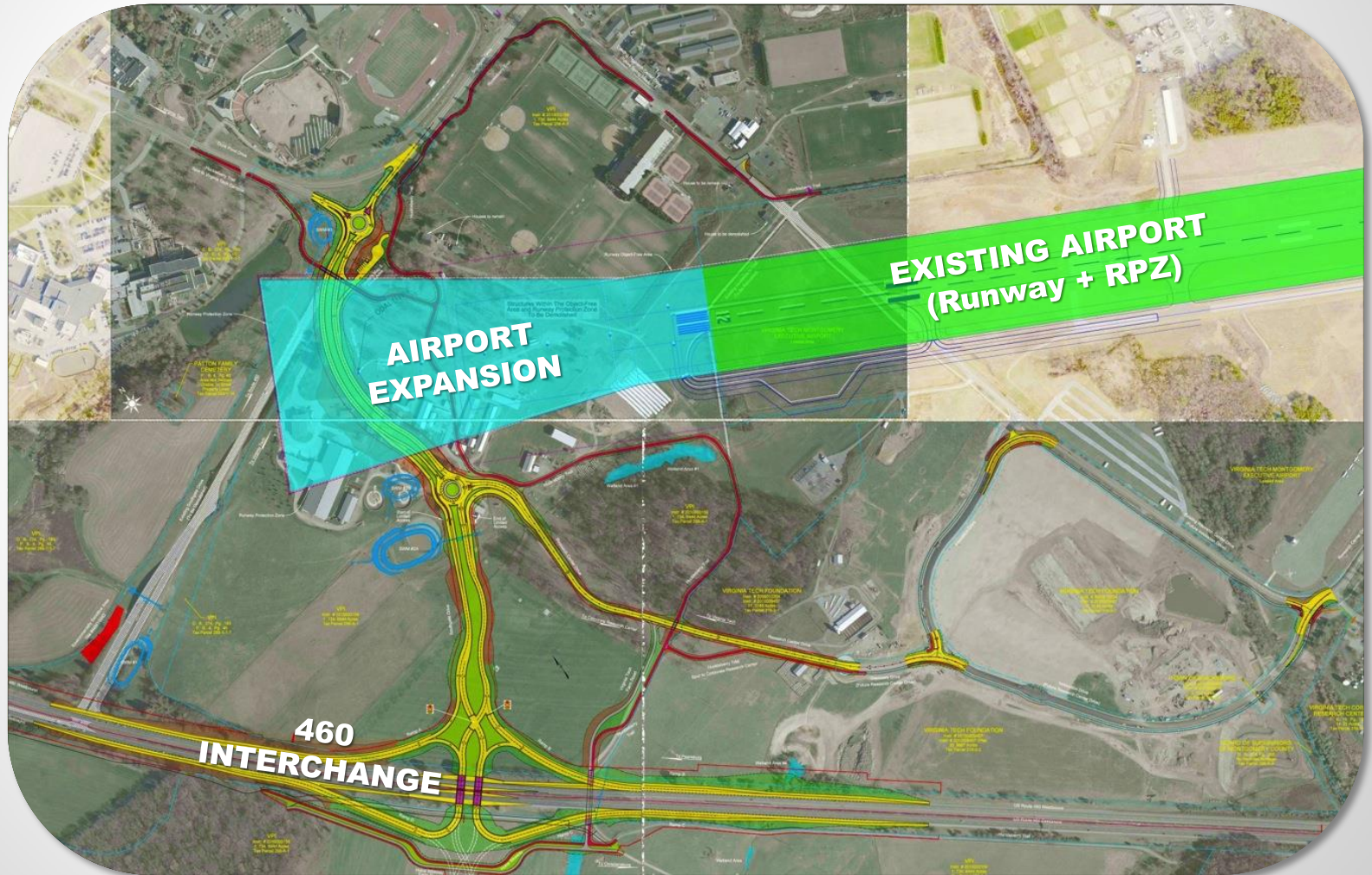
460 INTERCHANGE

Interchange project funding restored!

Final VDOT FY2015-20 Six Year Improvement Plan restored full funding of $46.7M

Continue to work with the Airport Authority, VDOT, FAA, Town of Blacksburg and VT Foundation to ensure all associated projects remain on track

- **Airport land transactions (approved by BOV in November 2013) on track – completion: early Fall 2014**

- **Dairy Relocation to Kentland progressing – completion: March 2015**

- **Huckleberry Trail & Research Center Drive realignments planned & incorporated into Interchange project**

Timeline & Synergies

460 Interchange

2014	2015	2016	2017	2018

Design	Advertise & Contract	Construction		Closeout

Synergies

Advertising & Contracting

Demo

Sitework

Storm Water

Relocation of Research Center Drive & Huckleberry Trail

Design	Advertise & Contract	Construction		Closeout

2014	2015	2016	2017	2018

Airport Runway Expansion

**Capital Project Information Summary – South Recreation Field
Surface Replacement**

BUILDINGS AND GROUNDS COMMITTEE

September 15, 2014

Title of Project:
South Recreation Field Surface Replacement

Location:
The current four natural turf softball fields located between Southgate Drive and the Burrows-Burleson Tennis Center and the two natural turf multi-purpose rectangular fields west of the outdoor intercollegiate tennis courts are to be modified to accommodate the expanded airport runway, which will extend into a portion of the existing fields.

Current Project Status and Schedule:
The project is in the preliminary design phase. Subsequent design phases are expected to continue into the fall of 2014 with construction beginning in November 2014.

Project Description:
This project addresses the need to modify and upgrade the Recreational Sports south playing fields to mitigate the planned northeast expansion of the Virginia Tech Montgomery Executive Airport runway. Restrictions on activities allowed within the runway zone will not permit sports fields to remain in use.

Brief Program Description:
Recreational Sports currently programs four natural turf softball fields north of the Burrows-Burleson Tennis Center and the two natural turf multi-use rectangular fields west of the intercollegiate tennis courts. These fields serve Sports Club and Intramural Sports teams, including softball, rugby, soccer and flag football. Loss of these fields would be detrimental to the Intramural Sports and Sports Club programs. This project is to install, within an approximate nine acre plot, an artificial turf field covering the majority of the softball field area outside the limits of the airport runway expansion. The artificial turf field will accommodate six multi-purpose fields for soccer and flag football, and can also be sectioned for four softball fields. The perimeter of the field will be enclosed by a six-foot high vinyl coated chain link fence. Outside the fence an asphalt walking trail will loop around the perimeter of the fields. The 14 existing light poles will continue to illuminate the playing surface.

Contextual Issues and Design Intent:
n/a.

Architect/Engineer: Gay and Neel, Inc.

Construction Manager: To be determined

Design Preview/Review for:
South Recreation Field Surface Replacement

PROJECT LOCATION MAP
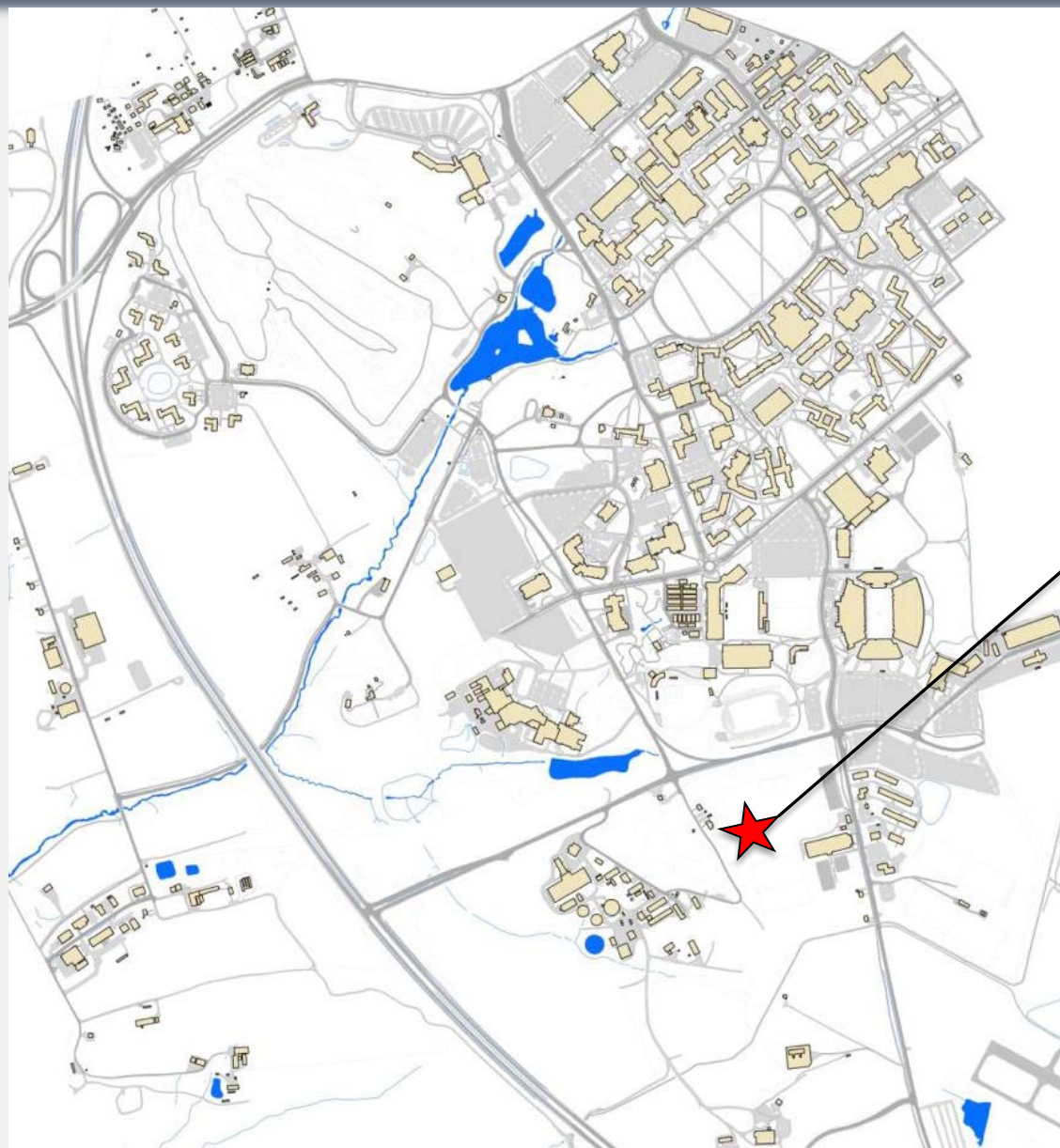
Project Location

SOUTH RECREATION FIELD SURFACE REPLACEMENT

➢ **Working Drawings to be complete by September 2014**

➢ **Start Construction November 2014**

➢ **Estimated construction cost $4.2M**

➢ **Estimated Project Budget $4.6M**

ASPHALT TRAIL
(FIELD PERIMETER)

GRASS FIELDS CONVERTED
TO ARTIFICIAL TURF

Research Center Drive

Southgate Drive

Airport Property

ACCESS CONTROL FENCING

Existing Fields
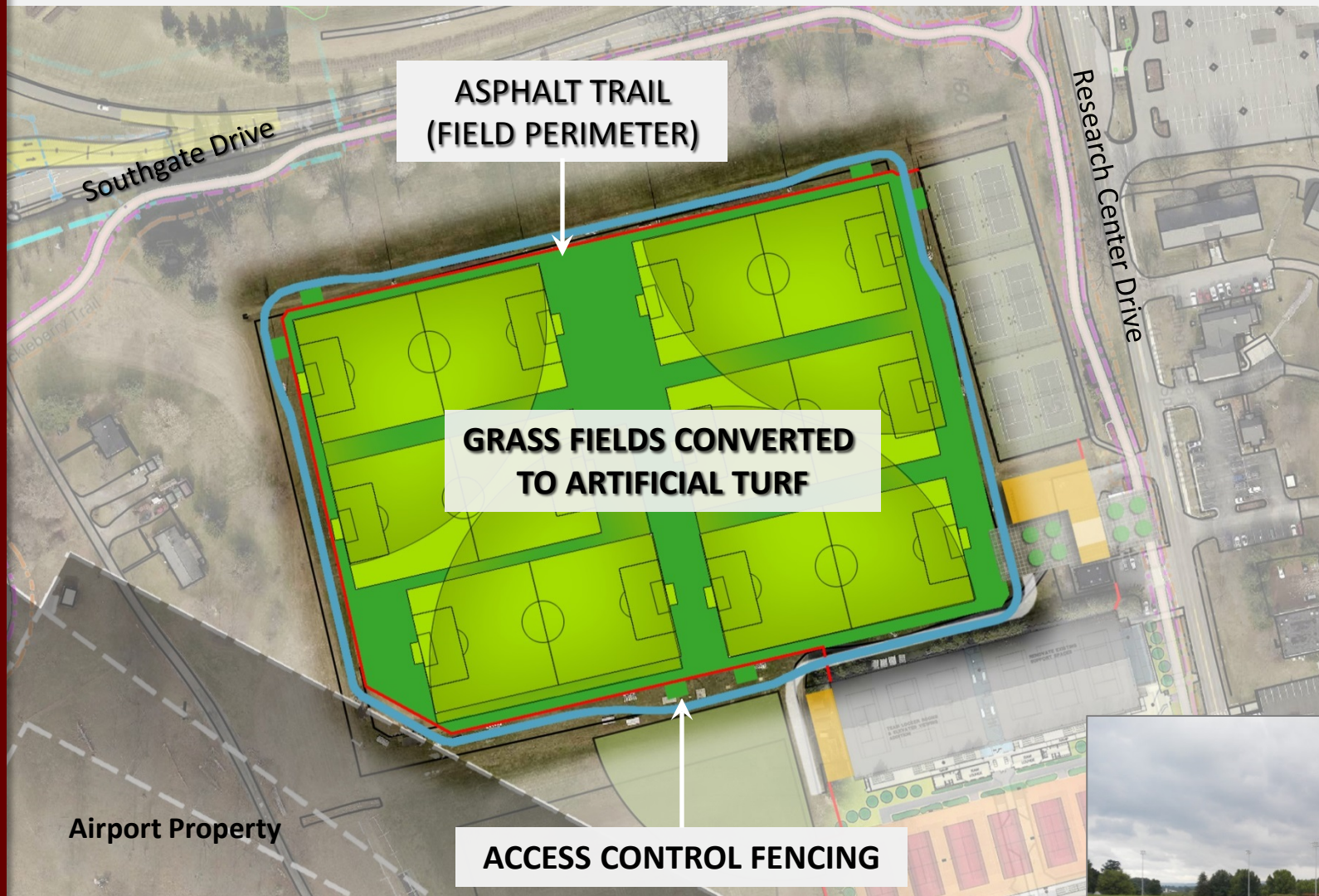
SOUTH RECREATION FIELD SURFACE REPLACEMENT

RECOMMENDATION:
That the Design Preview/Review graphics be approved and authorization be provided to continue with the project consistent with the drawings shown, with a construction completion date of mid 2015.

Capital Project Information Summary – Multi-Modal Transit Facility

BUILDINGS AND GROUNDS COMMITTEE

September 15, 2014

Title of Project:
Multi-Modal Transit Facility (MMTF)

Location:
The 2006 Master Plan Update identified moving the current transit hub from the front of Burruss Hall to a future transit hub located in the vicinity of Perry Street, north of the academic core, in an effort to reduce bus traffic from the Drillfield. The Perry Street location was selected to take advantage of planned roadway improvements at West Campus Drive and Stanger Street. As designed, the new MMTF building will be located directly south of the existing Perry Street Parking Garage, fronting the existing Perry Street. Perry Street will be modified to a service vehicle and pedestrian thoroughfare. Bus ridership access slips will be located in loop configurations to the east and the west of the Transit Facility, with an additional three slips to the southwest. The design of the Multi-Modal Transit Facility is consistent with the North Campus Precinct Plan completed in the spring of 2013.

Current Project Status and Schedule:
The project is in the concept design phase. Subsequent design phases are expected to continue into early 2016.

Project Description:
The 12,000 gross square foot, two story MMTF will include a conditioned rider waiting area with information services, a bike share/bike co-op, a multi-use meeting space, public restrooms, and administrative space for transit operations. Bus ridership access will include 17 bus slips with canopies serving as weather protection. The slips are situated in three locations: an eastern loop accommodating nine slips, a western loop with five slips, and three slips located at the north side of the new Classroom Building. Each canopied waiting area will include benches, windscreens, bus stop signage and related amenities.

Brief Program Description:
The MMTF will function as a station centralizing transit transfers and serving multiple modes of alternative transportation. The facility will provide amenities for alternative transportation users, facilitate public interface, disseminate information, and integrate technology to promote alternative transportation.

Contextual Issues and Design Intent:
Primary exterior materials will include Hokie Stone, precast concrete, decorative metal spandrel panels, curtainwall and operable windows in keeping with the nearby Bishop-Favrao Hall and Perry Street Parking Garage. Flat roofs flank a

central, prominent entry tower that is the focal point for the main entrance. Bus slip canopies are steel supported, framed with segmented metal roof panels, and incorporated Hokie Stone bases with bench seating.

Architect/Engineer:
Wendel Companies in association with McDonough Bolyard Peck

Construction Manager:
To be determined

Design Preview for:
MULTI-MODAL TRANSIT FACILITY
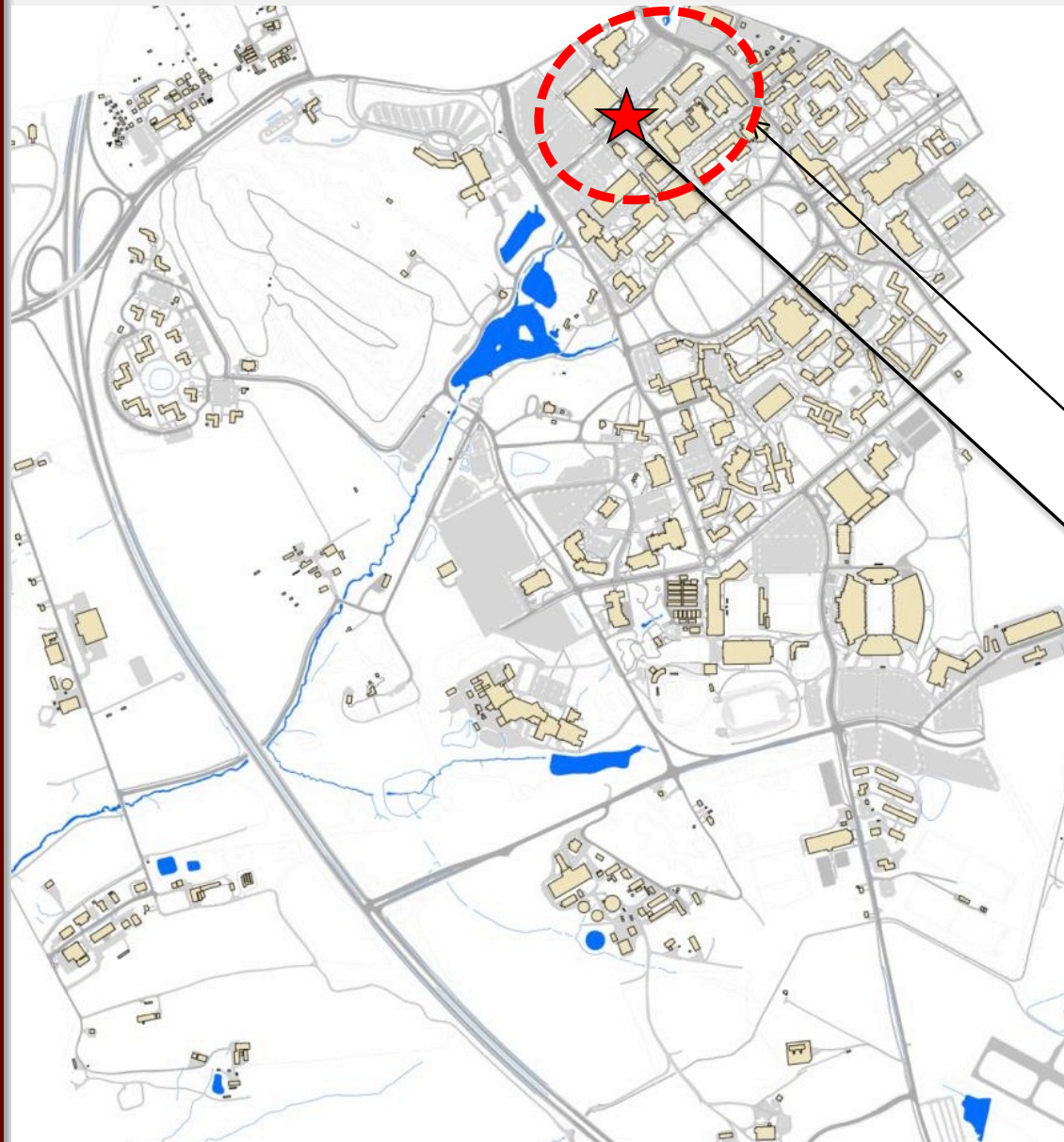
North Academic Precinct

Multi-Modal Transit Facility

M U L T I - M O D A L   T R A N S I T   F A C I L I T Y

Regional Transportation

To Washington, D.C. and Beyond

Blacksburg

Roanoke

Smart Way

Christiansburg

Radford

To Include:
- **Hospital**
- **Sporting Events**
- **Other**

11

A typical day for BT

3.5 Million Annual Trips in 2012

The Drillfield @ Virginia Tech is the current transfer hub.

Relocate to the North Academic Precinct.

- More efficient = service to more passengers;

- Reduced traffic on Drillfield = Safety!

TRANSFER HUB

ROUNDABOUT

PERRY STREET

MULTI MODAL TRANSFER FACILITY

MULTI-MODAL TRANSIT FACILITY

Canopies

Signature Engineering Building

West Bus Loop

East Bus Loop

Parking Garage

Canopies

Classroom Building

Bishop-Favrao Hall

Whittmore Hall

Durham Hall

Roundabout

Transit Center

West Campus Drive

Stanger Street
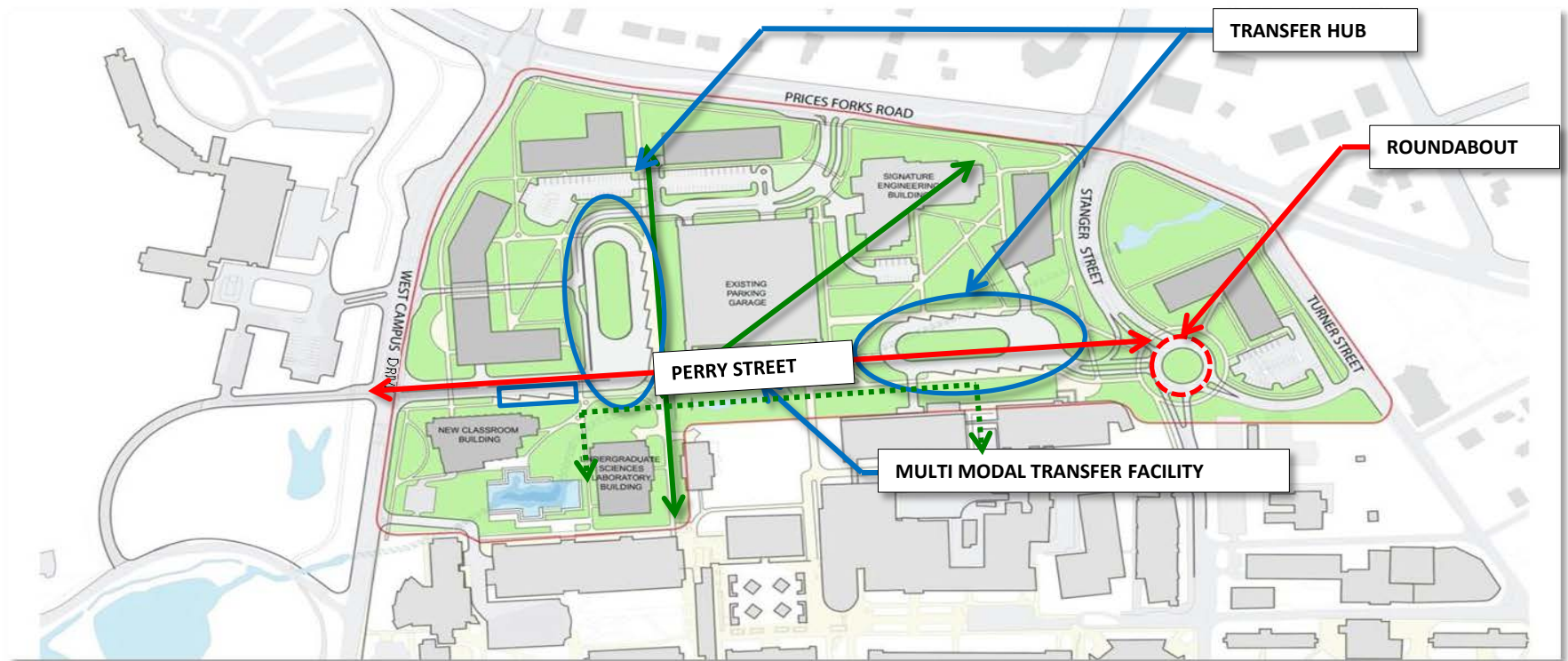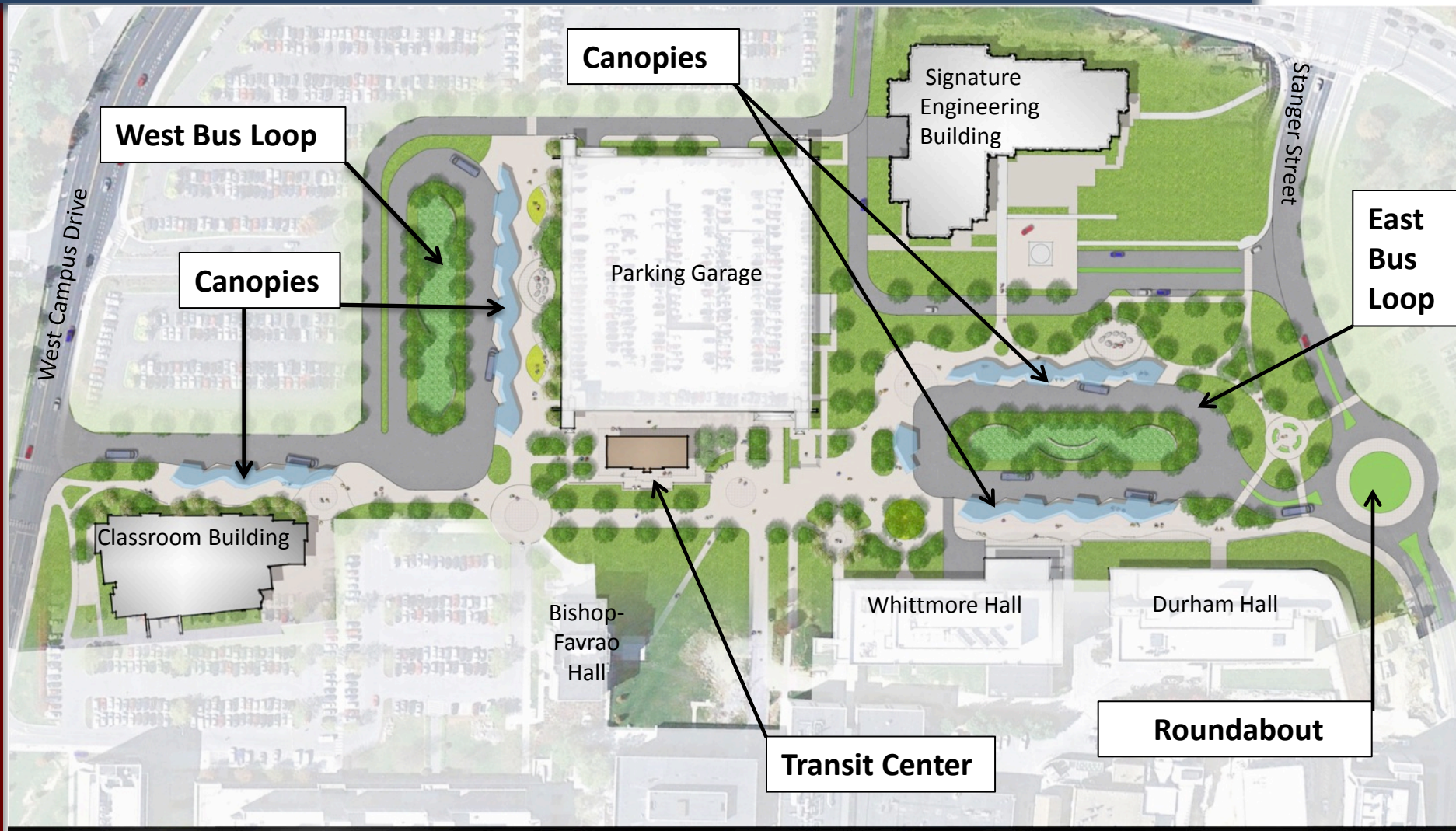
0 50 100 150 200 250 FT

2014-09-15

M U L T I - M O D A L T R A N S I T F A C I L I T Y

RECOMMENDATION:
That the Design Preview graphics be approved and authorization be provided to continue with the project design consistent with the drawings shown.

Virginia Tech Sustainability Annual Report
2013-2014

The purpose of this report is to provide a summary status on implementation of the Virginia Tech Climate Action Commitment and Sustainability Plan (VTCAC&SP).

A. KEY SUSTAINABILITY METRICS

1. **Greenhouse Gas (GHG) Emissions:** "Virginia Tech will establish a target for reduction of **campus GHG emissions** to 80% below 1990 emission level (**38,000 tons**) by 2050…" *(VTCAC&SP)*

Comments

- **9.5% increase over FY2013** primarily driven by:
  - **23% increase in boiler steam demand** combined with increased boiler consumption of coal over natural gas (higher temperature coal boiler generated steam required to operate the Virginia Tech turbine-generator).
  - Similar increase in APCO coal usage expanding Virginia Tech's purchased **electricity emissions** per kilowatt-hour.

Total GHG Footprint
(Tons CO_{2e})

FY14	335,564
FY13	306,554
FY12	308,378
FY11	324,661
FY10	333,662
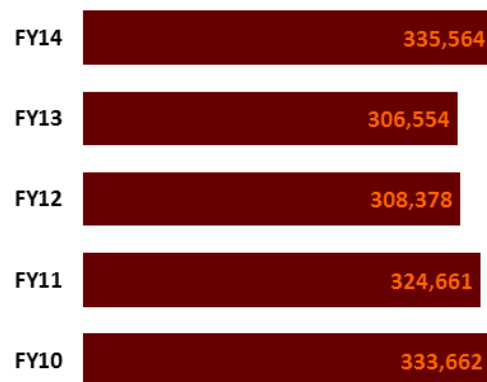
- Virginia Tech added more than 250,000 GSF in FY 14.

- GHG emission percentages by fuel source:
  - Purchased Electricity   51.9%
  - **Coal (+10% from last year)**   33.9%
  - Natural Gas – Steam Plant   3.8%
  - Commuting   5.1%
  - Natural Gas – Buildings   2.2%
  - All Others   3.2%

GHG Footprint - Normalized
(Tons CO_{2e} / GSF)

FY14	0.0375
FY13	0.0352
FY12	0.0357
FY11	0.0380
FY10	0.0397
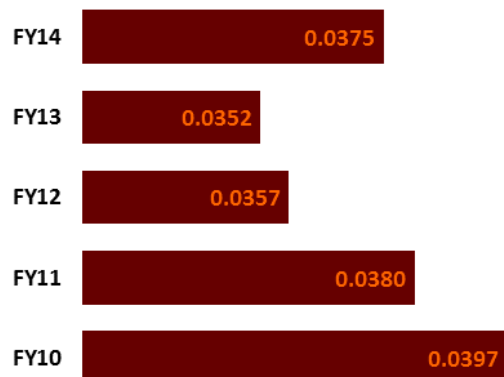
Virginia Tech Sustainability Annual Report
2013-2014

2. **Energy Use Intensity (kbtu's/GSF):** "Virginia Tech will improve electricity and heating efficiency of campus facilities and their operations by improving the heating and cooling infrastructure and operation, lighting efficiency, equipment efficiency, and metering and controls of its existing buildings." *(VTCAC&SP)*

Comments

- 7.5% over FY2013 primarily driven by:
  - New buildings coming on line (Moss Arts Center, HABBI, Signature Engineering Building) resulting in a 11% increase in campus heating energy BTU consumption and a 7% increase in campus electricity consumption
  - Virginia Tech turbine generator restart (offline all of FY13; back online beginning 9/13); note that while economically advantageous, operation of the turbine generator increases overall campus energy consumption

Energy Use Intensity (EUI)
(kBtu's / GSF)

FY14	236.4
FY13	219.9
FY12	214.8
FY11	229.0
FY10	239.5
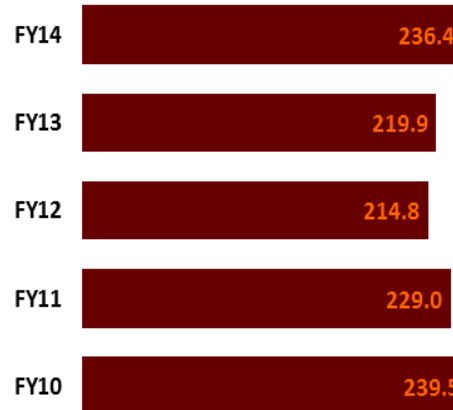
3. **Alternative Transportation Use**: "Virginia Tech will improve transportation energy efficiency on campus through parking, fleet, and **alternative transportation** policies and practices." *(VTCAC&SP)*

Comments

- Virginia Tech again recognized with a **Gold "Race to Excellence" award** by The Best Workplaces for Commuters; a program managed by National Center for Transit Research and designed to encourage sustainable transportation.
- Virginia Tech among 58 colleges and universities designated a **bicycle friendly university** by League of American Bicyclists for its commitment to providing a more bicycle friendly campus.
- The recent Virginia Tech commuter survey indicated that **55% of campus affiliates used alternative modes of transportation**. The percentage of faculty and staff that used Alternative Transportation (AT) for FY 14 was 36%, commuter and graduate students that used AT was 62%, and resident students that used AT was 88%.

Alternative Transportation
(Total % of Campus Population Using Alternative Transportation as Primary Access to/from Campus)

FY14	55%
FY13	
FY12	
FY11	
FY10	
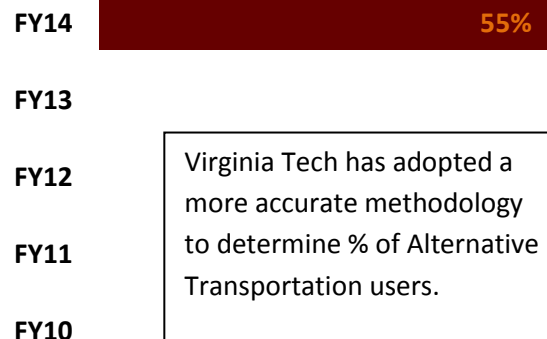
Virginia Tech has adopted a more accurate methodology to determine % of Alternative Transportation users.

4. **Recycling**: "…Virginia Tech will minimize waste and achieve a 50% recycle rate by 2020" *(VTCAC&SP)*

   Comments:

   - 43.2% Final Recycling Rate for Calendar Year 2013 (**second highest ever and marks the third straight year over 40%**). This is a slight decrease resulting from a decline in recycled metal from capital renovation projects.

   - 598 tons of Composted Food Waste from Dining Services and The Inn at Virginia Tech (an **increase of 50 tons** from CY 2012 and represents 27% of our 2,230 tons recyclable materials).

   - **Trash reduced by 27 tons** to 3,614 tons (consistent downward trend since 2007).

   - Deployed 100 Big Belly Solar Trash Compactor and Bottles & Cans Recycling units (**most of any college or university nationwide**).

Overall Recycle Rate (%)

CY13	43.2%
CY12	44.1%
CY11	40.1%
CY10	37.5%
CY09	36.5%

5. **Water Consumption**: "Virginia Tech will engage students, faculty, and staff through education and involvement to develop and implement innovative strategies for efficient and sustainable use of energy, **water**, and materials in all university-owned facilities." *(VTCAC&SP)*

   Comments
   - Student Affairs **installed low-flow shower heads** in all their remaining resident halls, saving approx. 10,000,000 gal/year.
   - Xeriscaping techniques continue to be used, including the selection of **drought tolerant plants**.
   - Three campus areas, including the Virginia Tech Golf Course, are **irrigated using non-potable water** from the Duck Pond. The Inn at Virginia Tech uses a rain sensor to automatically adjust its irrigation schedule.

Water Consumption (Thousands of Gallons)

FY14	405,758
FY13	400,968
FY12	420,423
FY11	492,088
FY10	405,636

Virginia Tech 2014 SUSTAINABILITY *Annual Report*

Summer 2014

Virginia Tech Climate Action Commitment and Sustainability Plan

Energy & Sustainability Committee

Revised May 9, 2013

Sustainability Annual Report per:
Presidential Policy Memorandum No. 262

VTCAC&SP Incorporates Three Objectives:

1. Statement of Virginia Tech's Climate Action Commitment **specific to the university**

2. Action plan to **achieve the goals of commitment**

3. Action plan to **enhance** sustainability **programs & culture**

We Care

If you (your child) had a way to compare colleges based on their commitment to environmental issues (from academic offerings to practices concerning energy use, recycling, etc.), how much would this contribute to your (your child's) decision to apply to or attend a school?

Students

38% NOT MUCH / NOT AT ALL

62% STRONGLY / VERY MUCH / SOMEWHAT

Parents

39% NOT MUCH / NOT AT ALL

61% STRONGLY / VERY MUCH / SOMEWHAT
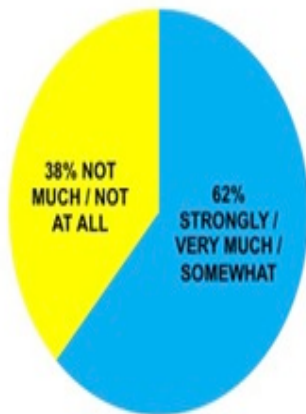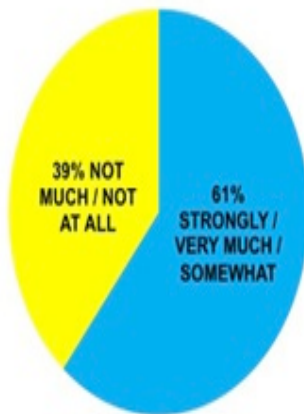
"Colleges train the next generation of leaders who will ultimately be responsible for putting green ideas into practice. By infusing sustainability principles into every aspect of higher education, there is a new priority for a whole generation of leaders, educated and trained, to make a greener world now."

Princeton Review's Guide to 332 Green Colleges, 2014

VIRGINIA TECH'S STARS RATING

- Currently STARS Silver Rating at 63.30 points.

- A STARS Gold Rating requires achieving 65 points.

- VT is preparing for another STARS submission this **Fall (2014) with goal of a GOLD Rating**.

What is STARS?

A transparent, self-reporting tool to
MEASURE SUSTAINABLE PROGRESS *in the following areas:*

- **Education & Research**
- **Operations**
- **Planning, Administration & Engagement**
- **Innovation**

Bragging Rights

- VT in the **top 20%** of all 313 reporting universities.

- The **highest score** to date **by any university in Virginia.**

- Score is the **4th highest among Atlantic Coast Conference.**

Ambler Johnston Residence Hall -- Blacksburg
LEED Gold Certified (Renovation) 2014
(272,000 GSF)

Ambler Johnston is home to more than **1100 students**.

Moss Arts Center – Blacksburg
LEED Gold Certified (New Construction) 2013
(147,382 GSF)

The Center for the Arts at Virginia Tech and the Institute for Creativity, Arts, and Technology are headquartered in the Moss Arts Center.

<u>VT has 18 LEED registered projects for a total of 1,371,261 GSF</u>:

- **Nine projects are LEED certified (4 Gold, 4 Silver, and 1 Certified**)

- Four are completed and awaiting certification.

- Two are under construction.

- Three are in design.

Signature Engineering Building

154,935 GSF   (SILVER possibly GOLD)

The Signature Engineering Building is home to the Chemical & Mechanical Engineering Departments and 8 new classrooms.

Human and Agricultural Biosciences Building I

93,860 GSF   (SILVER possibly GOLD)

This building houses faculty from the Department of Biological Systems Engineering as well as the Department of Food Science and Technology.

Davidson Hall Chemistry Building Renovation

44,845 GSF   (anticipate SILVER)

Davidson Hall houses the chemistry department. The renovation project provided 45,000 square feet of state-of-the-art lab space and a new lecture hall that seats 300.

Oak Lane, Phase IV

20,508 GSF   (anticipate SILVER)

Phase IV represents a stand-alone addition to the Oak Lane community. It currently houses the *Innovate* Living-Learning Community (LLC).

RecycleMania

Sustainability Week

America Recycles Day

Earth Week

Ytoss

Gobblerfest

SUSTAINABILITY ANNUAL REPORT

Student Internships

Green Office Certification

Cassell Coliseum Recycling

Eco Reps in Resident Halls

Attention Graduating Hokies:
Sign the graduation pledge!
Receive a green cord.

Sustainability Graduation Pledge

GREEN RFP PROGRAM

The purpose of the annual Green RFP program is to direct financial resources to *Student Driven Sustainability Initiatives* to promote sustainability at Virginia Tech.

Since AY 2010-2011 **- 27** student **proposals totaling more than $200,000**

For AY 2013-2014 - **5 student proposals totaling more than $55,000** :

- 17 Water Bottle Refill Stations
- 8 Electric Hand Dryers for Surge Building Restrooms
- Covered Bicycle Shelter at the GLC
- Bicycle Hub by Pamplin Hall
- Ytoss Support (Reuse Program for the Residence Halls)

Preference is given to proposals that support the Virginia Tech Climate Action Commitment and Sustainability Plan and **that produce achievable savings**.

Water Bottle Refill Station in Litton-Reaves Hall

SUSTAINABILITY AWARDS IN 2013-2014

RecycleMania *National* Pledge Drive Winner

America Recycles Day Photo Contest Winner

Keep America Beautiful Bin Grant Winner
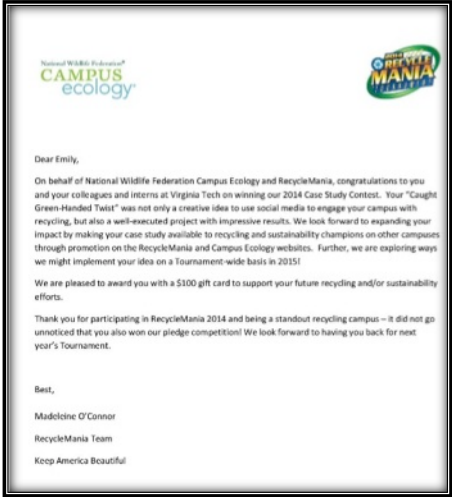
RecycleMania Case Study Winner

Governor's Environmental Excellence Award for Dining Services

Best of Green Schools Awards for Best Collaboration

SUSTAINABILITY ANNUAL REPORT

BUILDING AND GROUNDS COMMITTEE						
September 15, 2014						
Capital Project Status Report						
Project Name	Project Description	Estimated Total Project Cost	Non-General Funds	Project Team	Contract Completion Date	Project Status
DESIGN						
Classroom Building	This project provides for the design and construction of a 73,275 square foot (SF) academic building which will contain state-of-the-art instructional space to accommodate the unmet demand for multi-discipline general assignment classrooms and labs. The new academic building will include approximately 15 flexible classrooms and 4 laboratory rooms of various sizes and configurations to accommodate multiple teaching methods. The building will provide approximately 1,600 student stations with wireless capability throughout.	$42,500,000	$0	EYP Architecture & Engineering - Washington D.C. W M Jordan Company. - Newport News, VA	TBD	Construction documents are out for bid. Construction contract award is dependent on bids coming in within budget and construction funding approval by the Department of General Services. If bids are within budget, construction is anticipated to begin in fall 2014.
Fire Alarm Systems and Access	This project provides for critical life safety improvements in several educational and general facilities on campus. Fire alarm systems will be installed or expanded in as many campus buildings as funding allows including Randolph Hall, War Memorial Hall, Food Science and Technology, Norris Hall, Lane Hall, Patton Hall, Litton Reaves Hall, Whittemore Hall, Architecture Annex and Newman Library.	$5,500,000	$0	Multiple A/E Firms Multiple Contractors	TBD	Release of construction funding is allocated subject to cost approval by the Department of General Services (DGS) for each building. Food Science and Technology Building has been approved and is out to bid. Preliminary design for Architecture Annex, War Memorial Gym, Whittemore Hall, and Wallace Annex have been submitted to DGS for cost review. Preliminary Design is progressing on Randolph Hall, War Memorial Hall, Norris Hall, Patton Hall, Litton Reaves Hall, Newman Library and Lane Hall.
Health Center Improvements	This project provides for a 3,000 SF one story addition and 1,700 SF renovation of existing space to support the clinical needs of the Schiffert Health Center. The project includes improvements for the Campus Alcohol and Prevention Center and infirmary space.	$2,868,000	$2,868,000	Lord, Aeck & Sargent, Inc. – Atlanta, GA TBD	TBD	Funding has been authorized for project planning. Procurment of the A/E firm is complete and contract negotiations with the selected firm are in progress. Construction for this project will be bid.
Improve Kentland Facilities	The project includes new construction of three buildings totaling approximately 28,900 gross square foot (GSF) including a metabolism research laboratory, an applied reproduction facility, an arena with animal demonstration and holding spaces for the College of Agriculture and Life Sciences.	$7,600,000	$0	Spectrum Design, PC - Roanoke, VA TBD	TBD	Funding has been authorized for project planning / schematic design. Schematic design is complete and has been submitted to the Department of General Services for cost review. The project design will progress pending concurrence on project cost.
Marching Virginians Practice Facility	This project includes new construction of an equipment storage building, a covered open-air practice pavilion, and a soccer-size artificial turf field. The approximately 4,300 GSF building will provide the Marching Virginians with restrooms, lockers, instrument storage space, and a drum line room for percussion instruments. The 4,000 SF pavilion will be attached to the building and will provide a protected area for the Marching Virginians to practice during inclement weather. A lighted, soccer-size artificial turf field will be shared with Recreational Sports.	$4,750,000	$4,750,000	Thompson + Litton - Radford, VA TBD	TBD	Construction documents are out to bid. Construction is anticipated to begin in October if bids received are within the authorized budget. Completion of the turf field is targeted for spring 2015 with the building to follow in summer 2015.
McBryde 100 Classroom Renovation	This project provides for a complete renovation of McBryde 100 auditorium (classroom) that is heavily used for large enrollment undergraduate lectures.	$2,800,000	$2,800,000	Westlak, Reed Leskosky - Washington D.C. TBD	TBD	Preliminary design is in progress. Construction documents are scheduled for bidding in winter 2015. Construction is targeted to take place summer 2015 to begin in May 2015 as soon as classes are adjourned.

Project Name	Project Description	Estimated Total Project Cost	Non-General Funds	Project Team	Contract Completion Date	Project Status
Renovate/Renew Academic Buildings	This project will renovate three existing campus buildings - Sandy Hall, Liberal Arts Building and the original portion of Davidson Hall. Collectively, these renovations will increase the functionality of three underutilized building assets, address several deferred maintenance issues, and reduce critical space deficiencies. A small addition is planned for Sandy and Liberal Arts Buildings to provide for an elevator, ADA accommodations, and circulation space improvements.	$27,000,000	$0	Glavè & Holmes Associates - Richmond, VA Grunley Construction- Rockville, MD	TBD	Schematic design is complete. Preliminary design documents have been issued for review and comments addressed. Cost estimates are in progress. Working drawing document development and construction approval are contingent on further state funding.
South Recreation Field Surface Replacement	This project replaces existing natural turf fields with synthetic turf covering the size of six soccer fields for multi-sport use located adjacent to the airport runway, The new fields will enhance the student experience and allow for expansion of the Recreational Sports intramural and club sports programs.	$4,600,000	$4,600,000	TBD TBD	TBD	Preliminary design is in progress. Construction documents development is scheduled for bid in October 2015. Construction start is projected in December 2015.

Project Name	Project Description	Estimated Total Project Cost	Non-General Funds	Project Team	Contract Completion Date	Project Status
CONSTRUCTION						
Agriculture Programs Relocation	This project for relocation of the Dairy Program from Southgate Drive to Kentland Farm is required to accommodate expansion of the Airport runway and relocation of Tech Center Drive. Planning, design, construction and financing by the Virginia Tech Foundation and a capital lease, back to Virginia Tech, was authorized by the BOV at the May 7, 2013 meeting.	$14,000,000	$14,000,000	Thompson & Litton - Radford, VA English Construction Company, Inc. - Lynchburg, VA	January 30, 2014	Construction is in progress. Site work and utilities are s 95% complete; Wells have been drilled and installed. Modular buildings have been ordered. Project completion is on schedule to relocate the dairy herd by March 2015 to make way for the planned road construction and airport runway expansion.
Renovate Davidson Hall	This project provides for the demolition of the deteriorated and outdated center, and rear section additions to Davidson Hall. The original building remains and a new replacement addition of 44,845 GSF will be constructed to provide modern laboratory and research space.	$31,118,739	$0	Einhorn Yafee Prescott - Washington, DC Barton Malow Company- Charlottesville, VA	January 16, 2014	Interior construction is complete. Exterior construction is complete pending resolution of roof acceptance. A state funding supplement has been received to pay for unanticipated expenses for contaminated soils and delays associated with Hokie Stone material supply.
Indoor Athletic Practice Facility	This project provides for the design and construction of a new indoor multi-sport practice facility large enough to accommodate football punting and kicking practice. The new facility will be located on the site of the existing football practice fields.	$21,300,000	$21,300,000	HKS - Richmond, VA W.M. Jordan Company - Richmond, VA	June 1, 2015	A design-build contract has been executed. A phased building permit has been issued for site work, foundations, and structural steel and building construction. Geopiers have been installed and concrete foundation pours are 50% complete. Structural steel is on order for delivery fall 2014.
Signature Engineering Building	This project provides for a new 154,935 GSF state-of-the-art, technology enhanced flagship building for the College of Engineering to include research, classroom and office space.	$95,218,249	$47,609,125	Zimmer Gunsul Frasca Architects LLP - Washington, DC Gilbane Building Company - Richmond, VA	December 14, 2013	Construction is substantially complete and a temporary occupancy permit was issued May 29, 2014. Punchlist is approximately 98% for final completion. Furniture and equipment installation continues. The contractor has submitted a $1.4M time extension request that is delaying processing of other change orders. Negotiations for a resolution are in progress.
Unified Communications and Network Renewal Project	This project replaces outdated equipment and upgrades campus communications systems, providing infrastructure and equipment enhancements over a five year period. The project scope includes upgrades to the Internet Protocol (IP) Network, the cable plant, and equipment rooms in buildings throughout campus.	$16,508,000	$16,508,000	Multiple A/E Firms Various Contractors	2016	Space allocation, architectural design and construction activities are underway for the addition and expansion of data rooms to house technology upgrades in designated campus buildings. Wiring and equipment upgrades are phased for completion on a building by building basis. One hundred forty three (143) buildings are complete out of 178 total. Approximately 85% of active campus services have migrated. The project is scheduled for completion in fall 2016.
Upper Quad Residential Facilities	This project provides for the demolition and reconstruction of Brodie and Rasche residence halls to serve the Corps of Cadets. The new residence halls totaling approximately 210,000 GSF will provide over 1,000 beds in double and triple rooms sharing hall community bathrooms. These new residence halls will be constructed at the location of the existing Rasche Hall and Brodie Hall. Both buildings will provide double and triple occupancy rooms that meet the residence and in-room storage space needs of the cadets. Both new residence halls will provide dedicated meeting, community, and group spaces, specifically designed to meet corps program and organization needs. Thomas Hall and Monteith Hall will also be demolished as part of this project.	$91,000,000	$91,000,000	Clark Nexsen - Charlotte, NC Barton Malow Company - Charlottesville, VA	2016	Phased construction permitting and contracts have allowed for early construction start. Rasche Hall foundations are 100% complete. Structural steel has been delivered. Site utilities for Rasche are 75% complete. Targeted completion date for Rasche is July 2015 with demolition and reconstruction of Brodie to follow for completion in July 2016.

Project Name	Project Description	Estimated Total Project Cost	Non-General Funds	Project Team	Contract Completion Date	Project Status
CLOSE-OUT						
Center for the Arts	This project provides for design and construction of a new 92,000 GSF Performing Arts Center and the renovation of Shultz Hall for a 1,300-seat performance auditorium, a visual arts gallery, creative technologies program and support spaces.	$100,087,000	$72,700,448	Snohetta AS – New York, NY with STV Group, Inc. – Douglasville, PA Holder Construction Company – Atlanta, GA	September 6, 2013	The project was substantially complete for occupancy on August 21, 2013. The punch list is progressing for final completion of the construction contract. Purchase and installation of equipment continues to complete the project.
Campus Fiber Optic Improvements Project	This project is for a new fiber-optic backbone and building connections which will increase capacity and diversity to ensure adequate and reliable service to the university.	$2,000,000	$2,000,000	Virginia Tech Network Infrastructure & Services Virginia Tech Network Infrastructure & Services	November 30, 2014	Construction is complete to accommodate wiring connections and equipment installation. Punch list and final equipment purchases are in progress for project close out.
Human and Agricultural Biosciences Building I (HABBI)	This project provides for a new 93,860 GSF advanced agricultural research laboratory facility.	$53,759,344	$0	Lord, Aeck & Sargent, Inc. – Atlanta, GA Skanska USA Building, Inc. - Durham, NC	December 9, 2013	Construction is substantially complete. Faculty and staff have moved into the building. Purchase of research equipment continues. Punchlist and landscaping are nearing completion.
Chiller Plant I	This project expands the campus chilled water infrastructure and provides for the design and construction of a new 16,655 GSF chiller plant in the south west side of campus to serve the new Human and Agricultural Biosciences Building (HABBI) building and other buildings in the life sciences precinct.	$20,097,729	$8,039,092	Burns and Roe Service Corporation – Virginia Beach, VA The Whiting-Turner Contracting Co. – Baltimore, MD	June 15, 2013	Building construction is substantially complete. Pending outcome of the Chilled Water planning process currently in progress, the project may provide for additional distribution lines to increase load on the chiller plant.

CAPITAL PROJECT STATUS REPORT

Board of Visitors Meeting: *September 15, 2014*

PROJECTS IN DESIGN

- ✓ **Classroom Building**

  Fire Alarm Systems

  Health Center Improvements

- ✓ **Improve Kentland Facilities**

- ✓ **Marching Virginians**

  McBryde 100 Classroom Renovation

  Renovate Academic Buildings

- ✓ **South Recreation Field Replacement**
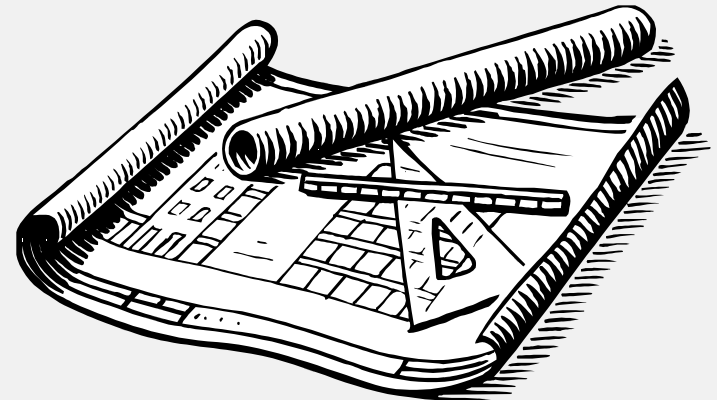
FIRE ALARM SYSTEMS

Approved and Out to Bid

- **Food Science & Technology Building**

Preliminary Design Submitted to DGS for Cost Review

- **Architecture Annex**

- **War Memorial Hall (Gym)**

- **Whittemore Hall**

- **Wallace Annex**

Preliminary Design Progressing

- **Norris Hall**

- **Litton Reaves Hall**

- **Patton Hall**

- **Randolph Hall**

- **Lane Hall**

- **Newman Library**

- **War Memorial Hall**
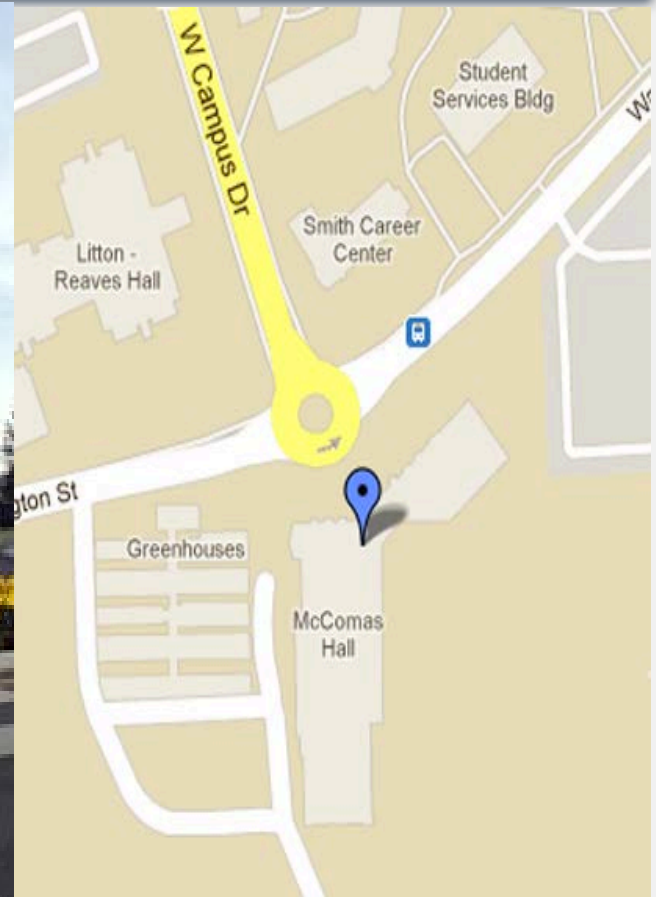
MCCOMAS HALL – Schiffert Health Center Addition

RENOVATE LARGE AUDITORIUM

Sandy Hall

Liberal Arts Building

Davidson Hall

RENEW 3 BUILDINGS

PROJECTS UNDER CONSTRUCTION

- ✓ **Agriculture Program Relocation**

- ✓ **Renovate Davidson Hall**

- ✓ **Indoor Athletic Practice Facility**

- ✓ **Signature Engineering Building**

- ✓ **Upper Quad Residence Halls**

RESOLUTION ON APPOINTMENT TO THE
NEW RIVER VALLEY REGIONAL WATER AUTHORITY

WHEREAS, the New River Valley Regional Water Authority (the Authority) consists of five members who are responsible for the management and operation of the Authority. One member is appointed by each of the political subdivisions, and the other member is appointed jointly by the Virginia Tech Board of Visitors and the Town Councils; and

WHEREAS, the Board of Visitors approved the appointment of Sherwood G. Wilson, the Vice President for Administration, as the university's representative to the Authority on August 30, 2010 to serve for a four-year term expiring August 31, 2014; and

WHEREAS, the Board of Visitors, at its June 4, 2012 meeting, approved the terms of a Joinder Agreement and of a Water Agreement providing that Montgomery County, Virginia join the Blacksburg-Christiansburg-V.P.I. Water Authority; and

WHEREAS, the Board also approved the Amended and Restated Articles of Incorporation of the Blacksburg-Christiansburg-V.P.I. Water Authority (Articles), which outlined the terms of office of the reconstituted Board of the NRV Regional Water Authority; and

WHEREAS, within the Articles, the university representative was initially appointed for a term of three years beginning June 26, 2013 and ending June 25, 2016;

NOW, THEREFORE, BE IT RESOLVED, that Sherwood G. Wilson be reaffirmed as the university's representative to the New River Valley Regional Water Authority for a term expiring June 25, 2016.

RECOMMENDATION:

That the above resolution reaffirming Sherwood G. Wilson, Vice President for Administration, as the university's representative to the Blacksburg-Christiansburg-VPI Water Authority through June 25, 2016 be approved.

September 15, 2014

RESOLUTION FOR HOGE ESTATE EASEMENT AND LAND EXCHANGE

Carol Flynn Hoge, the widow of James Tyler Otey Hoge, Jr., has asked Virginia Tech to grant her a temporary easement across 1.51 acres owned by Virginia Tech to access property she owns. In exchange, the heirs and devisees of James Tyler Otey Hoge, Jr., would grant Virginia Tech an unrestricted license to 22.90 acres adjacent to real estate owned by Virginia Tech and used by Virginia Tech's College of Agriculture and Life Sciences ("CALS"). The 1.51 acre parcel is a portion of a 7.2958 acre parcel acquired by Virginia Polytechnic Institute and State University by deed dated March 13, 1979 from Julia P. Ivey and William M. Ivey, her husband, Florence P. Kinnear and D. L. Kinnear, her husband, and Helen P. Sargent, widow, which deed is recorded in the Clerk's Office of the Circuit Court of Montgomery County, Virginia, in Deed Book 412, page 640.

RESOLUTION FOR HOGE ESTATE EASEMENT AND LAND EXCHANGE

WHEREAS, by deed dated March 13, 1979, recorded in the Clerk's Office of the Circuit Court of Montgomery County, Virginia, in Deed Book 412, page 640, Virginia Polytechnic Institute and State University ("Virginia Tech") acquired from Julia P. Ivey and William M. Ivey, her husband, Florence P. Kinnear and D. L. Kinnear, her husband, and Helen P. Sargent, widow, approximately 22.3954 acres of land ("VT Land") located in the Price's Fork Magisterial District of Montgomery County, Virginia; and

WHEREAS, the VT Land is comprised of two (2) parcels, one of which is a 7.2958 acre parcel identified as Parcel 5 (A) on a plat of survey recorded in the said Clerk's Office in Plat Book 8, page 1, a copy of which is attached hereto as Exhibit A; and

WHEREAS, the heirs and devisees of James Tyler Otey Hoge, Jr., through Carol Flynn Hoge represent through counsel that they own approximately 269.64 acres in Montgomery County, Virginia, adjoining the VT Land; and

WHEREAS, by Letter of Intent dated June 13, 2014, Virginia Tech and Carol Flynn Hoge, preliminarily agreed that (1) the owners of record of the 269.64 acres ("owners of record"), would create an approximately 22.90 acre parcel ("New VT Parcel") that would adjoin the VT Land and transfer fee simple title of the New VT Parcel to Virginia Tech, and (2) that Virginia Tech would create and convey a fee easement ("Hoge Easement") for the owners of record for ingress and egress to the 269.64 acres across approximately 1.51 acres of the VT Land; and

WHEREAS, a preliminary drawing of the intended New VT Parcel and the Hoge Easement was prepared by Steve Semones and is attached as Exhibit B; and

WHEREAS, Carol Flynn Hoge has verbally requested that the university initially grant the owners of record a temporary easement for ingress and egress on the proposed Hoge Easement prior to the fee conveyance while the parties work toward approval and confirmation of the fee exchange of the New VT Parcel of 22.90 acres for the Hoge Easement of 1.51 acres; and

WHEREAS, in exchange for the temporary easement on the Hoge Easement, the owners of record will concurrently grant Virginia Tech an unrestricted license to use the New VT Parcel while the parties work toward approval and confirmation of the exchange of the New VT Parcel of 22.90 acres for the Hoge Easement of 1.51 acres; and

WHEREAS, Virginia Tech's College of Agriculture and Life Sciences ("CALS") is currently utilizing and benefiting from the VT Land; and

WHEREAS, CALS would utilize and benefit from Virginia Tech's acquisition of the 22.90 acre New VT Parcel; and

WHEREAS, Virginia Tech will derive substantial benefit from the exchange of the Hoge Easement for the New VT Parcel and will benefit from the unrestricted license to use the New VT Parcel prior to the fee conveyance;

NOW, THEREFORE, BE IT RESOLVED, that the Vice President for Administration be authorized to execute any and all necessary documents to create a temporary easement on the Hoge Easement of 1.51 acres across the VT Land in exchange for an unrestricted license on the New VT Parcel. In addition, the Vice President for Administration is authorized to conduct all necessary investigations, title examinations, and due diligence necessary to effectuate the fee transfer of the 1.51 acre Hoge Easement in exchange for the fee transfer of the 22.90 acre New VT Parcel all in accordance with applicable university policy and procedures and the statutes of the Code of Virginia, 1950 as amended.

RECOMMENDATION:

That the above resolution authorizing the Vice President for Administration to execute the documents necessary to convey a temporary easement followed by a fee conveyance of 1.51 acres of Virginia Tech real property for 22.90 acres of real property from the heirs and devisees of James Tyler Otey Hoge, Jr., be approved.

September 15, 2014

Plat of Survey of Property
To Be Acquired by:

VIRGINIA POLYTECHNIC INSTITUTE
& STATE UNIVERSITY

Prices Fork Magisterial District
West of Blacksburg, in
Montgomery County, Virginia

Scale: 1"= 50'   26 November 1973

PLAN NR T-4393

PROPOSED PARCEL
+/- 22.90 AC

HOGE PROPERTY

VIRGINIA TECH PROPERTY
+/- 22.03 AC

PROPOSED 100' RIGHT-OF-WAY
1.51 AC

VIRGINIA TECH PROPERTY
+/- 7.52 AC LESS 1.51 AC RIGHT OF WAY

PRICES FORK ROAD

Price's Fork Rd

Price's Fork Rd

HOGE PROPERTY- PROPOSED PARCEL AND RIGHT-OF-WAY
NOT TO SCALE   8/1/2014   OFFICE OF UNIVERSITY PLANNING

RESOLUTION FOR APPLACHIAN POWER COMPANY EASEMENT

Appalachian Power Company has requested the university grant an overhead easement forty feet (40') in width and forty-five feet (45') in length across university property near Duluth Drive on Kentland Farm in the Price's Fork Magisterial District of Montgomery County, Virginia, to provide for the installation of an electrical power line to connect to Dairy Barns under construction on Kentland Farm.

RESOLUTION FOR APPALACHIAN POWER COMPANY EASEMENT

WHEREAS, Appalachian Power Company desires to acquire a forty foot (40') wide overhead easement, twenty feet (20') on each side of the centerline, and forty-five feet (45') in length to lay, erect, construct, operate, maintain and repair an electrical power line or lines and all equipment, accessories and appurtenances necessary for the purpose of providing reliable electrical power to the Dairy Barns under construction at Kentland Farm, over, under, upon and across real property of Virginia Polytechnic Institute and State University ("Virginia Tech"); and

WHEREAS, said easement would constitute an easement extending approximately forty-five feet (45') and being forty feet (40') in width comprising approximately 0.44 acre of real property located in the Price's Fork Magisterial District of Montgomery County, Virginia; and

WHEREAS, said easement is more particularly described on Appalachian Power Company Drawing entitled "Job Name: VIRGINIA POLYTECHNICAL INSTITUTE & STATE UNIVERSITY, Location: 5250 WHITETHORNE RD., McCoy," dated 01/30/2014 and attached hereto as Exhibit A; and

WHEREAS, Virginia Tech desires to grant said easement to Appalachian Power Company;

NOW, THEREFORE, BE IT RESOLVED, that the Vice President for Administration be authorized to execute an easement to Appalachian Power Company in accordance with applicable procedures for said easement as permitted by the Higher Education Restructuring Act and Management Agreement with the Commonwealth of Virginia.

<u>**RECOMMENDATION**</u>**:**

That the above resolution authorizing the Vice President for Administration to execute the easement to Appalachian Power Company be approved.

September 15, 2014

EXHIBIT A

REPLACE POLE WITH 45C4
3781033SB20114
DS 303

REPLACE POLE WITH 40C4
3781033SB20115
REPLACE 3-KVA POT WITH 1-10 KVA
DS 301,DS 1011

1- WHITETHORNE PROPERTIES,L.L.C.

REPLACE POLE WITH 45C4
37800359A0132
DS 301

REPLACE POLE WITH 45C4
37810359A00133
DS 301, DS 325 AND DS 1302
INSTALL LINE CUT OUT
FUSE WITH 30-T

fence-property line

2- VIRGINIA POLYTECHNICAL INSITUTE & STATE UNIVERSITY

VPI & SU

INSTALL 45C2
STENCIL # 37810359A01061
FRAME 16 KV PRIMARY METER POLE
DS 301,315,DS 317 AND DS 1502
INSTALL 3 PRIMARY DEAD ENDS
FOR CUSTOMER TO ATTACH WIRE

3-PHASE PRIMARY
METER POLE

An LD-Pro® Worksketch			Date Requested:		Bucket Truck?: Y
			Date Required: 1/30/2014		Truck to Site?: Y
Job Name: VIRGINIA POLYTECHNICAL INSITUTE & STATE UNIVERSITY					4 WD?: N
Location: 5250 WHITETHORNE RD., McCoy					County: montgomery
Division: AP	District: Christiansburg		Crew HQ: Christiansburg Const	Station No.: 6236	Circuit No.: 02
W/R#: 51435144		WO#: DAP0234070		Sta/Circuit Name:	
JU Proposal(s):				Voltage: 12 KV	Map: christiansburg.
R/W#: 14420020				Phases: ABC	Quad: 3781 335B2 & 35
REPLACE 8 POLES AND INSTALL 2 NEW POLES. EXTEND 3-PHASE PRIMARY AND PRIMARY DISTRIBUTION				Print #:	Scale: NTS
				Drawn By: TOM TROTTER	Page: 1 of 1

RESOLUTION FOR THE SALE OF TIMBER AT THE
SOUTHERN PIEDMONT AGRICULTURAL
RESEARCH AND EXTENSION CENTER

On September 3, 2002, the university acquired approximately 1,181.98 acres of land and on June 15, 2004, the university acquired an additional approximate 4.08 acres of land, for a total of 1,186.06 acres of land, on the Fort Pickett Military Reservation of Nottoway County, Virginia from the U.S. Department of Education through a public benefit conveyance. The property is the site of the Southern Piedmont Agricultural Research and Extension Center.

The university desires to sell timber on approximately 7 acres within the boundaries of the property and expend the timber proceeds on-site as provided for in its Application for Public Allowance Acquisition dated November 2, 1998.

**RESOLUTION FOR THE SALE OF TIMBER AT THE
SOUTHERN PIEDMONT AGRICULTURAL
RESEARCH AND EXTENSION CENTER**

WHEREAS, by deed dated September 3, 2002, Virginia Polytechnic Institute and State University ("Virginia Tech") acquired from the U.S. Department of Education through a public benefit conveyance approximately 1,181.98 acres of land located on the Fort Pickett Military Reservation of Nottoway County, Virginia; and

WHEREAS, by amendment to deed dated June 15, 2004, Virginia Tech acquired from the U.S. Department of Education, through a public benefit conveyance, approximately 4.08 acres of land adjoining the hereinbefore described approximate 1,181.98 acres of land located on the Fort Pickett Military Reservation of Nottoway County, Virginia (the approximate 1,181.98 and 4.08 acres of land totaling approximately 1,186.06 acres of land, hereinafter "Property"); and

WHEREAS, this Property is the site of the Southern Piedmont Agricultural Research and Extension Center; and

WHEREAS, Virginia Tech agreed to use the Property for certain educational purposes as detailed in its Application for Public Allowance Acquisition ("Application") dated November 2, 1998; and

WHEREAS, by related but separate discussion and resolution the Virginia Tech Board of Visitors are addressing plans by the Virginia Department of Transportation ("VDOT") for a bridge replacement on U.S. Route 460 and the realignment of U.S. Route 460 and Route 636 relative to that bridge replacement, which will require conveyances in fee simple as well as temporary and permanent easements to VDOT and a new permanent easement to Southside Electric Cooperative affecting the Property (the "VDOT Project"); and

WHEREAS, Section IV.F. of the Application provides for the harvesting of timber on the Property and the use of the timber proceeds; and

WHEREAS, the university is desirous of selling timber on approximately 7 acres within and adjoining the aforementioned VDOT Project, which approximately 7 acres is shown on an aerial photograph highlighted in light green; and

WHEREAS, the timber proceeds will be expended on-site at the Southern Piedmont Agricultural Research and Extension Center;

NOW, THEREFORE, BE IT RESOLVED, that the Vice President for Administration, or his successor, be authorized to execute the necessary documents to sell the timber in accordance with applicable statutes of the <u>Code of Virginia</u>. The proceeds from the sale of the timber shall be expended on-site at the Southern Piedmont Agricultural Research

and Extension Center in accordance with the provisions in the Application for Public Allowance Acquisition dated November 2, 1998.

RECOMMENDATION:

That the above resolution authorizing the Vice President for Administration, or his successor, to execute the necessary documents to sell the timber and that the timber proceeds be expended on-site at the Southern Piedmont Agricultural Research and Extension Center be approved.

September 15, 2014
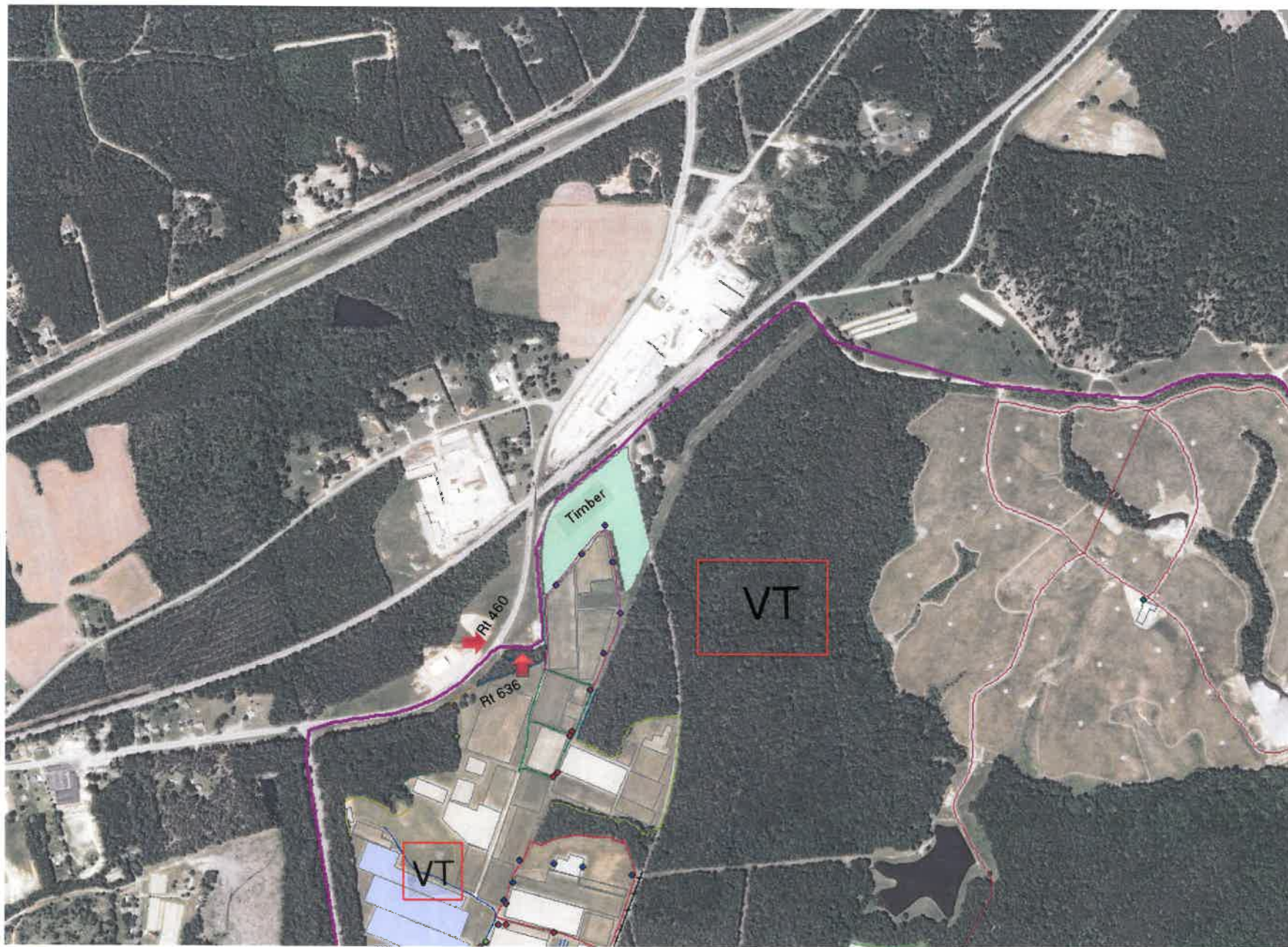
Aerial photograph of 7+/- acre timber sale area

RESOLUTION ON VIRGINIA DEPARTMENT OF TRANSPORTATION
NOTTOWAY COUNTY BRIDGE REPLACEMENT

On September 3, 2002, the university acquired approximately 1,181.98 acres of land on the Fort Pickett Military Reservation of Nottoway County, Virginia from the U.S. Department of Education through a public benefit conveyance. On June 15, 2004, the university acquired an additional approximate 4.08 acres of land adjoining the hereinbefore described land, for a total of 1,186.06 acres of land. The property is the site of the Southern Piedmont Agricultural Research and Extension Center.

The university desires to convey approximately 3.254 acres for the realignment of Routes 460 and 636. Further, the university desires to create temporary construction and permanent utility, drainage, and maintenance easements on an adjoining approximate 2.312 acres. The approximate acreages stated are within the boundaries of the university's property and are needed to facilitate a bridge replacement and corresponding alignments as requested by the Virginia Department of Transportation, and in compliance with any and all restrictions as set forth in the aforesaid acquisition deeds.

RESOLUTION ON VIRGINIA DEPARTMENT OF TRANSPORTATION
NOTTOWAY COUNTY BRIDGE REPLACEMENT

WHEREAS, by deed dated September 3, 2002, Virginia Polytechnic Institute and State University ("Virginia Tech") acquired from the U.S. Department of Education, through a public benefit conveyance, approximately 1,181.98 acres of land located on the Fort Pickett Military Reservation of Nottoway County, Virginia; and

WHEREAS, by amendment to deed dated June 15, 2004, Virginia Tech acquired from the U.S. Department of Education, through a public benefit conveyance, approximately 4.08 acres of land adjoining the hereinbefore described approximate 1,181.98 acres of land located on the Fort Pickett Military Reservation of Nottoway County, Virginia (the approximate 1,181.98 and 4.08 acres of land totaling approximately 1,186.06 acres of land, hereinafter "Property"); and

WHEREAS, this Property is the site of the Southern Piedmont Agricultural Research and Extension Center; and

WHEREAS, Virginia Tech agreed to use the Property for certain educational purposes as detailed in its Application for Public Allowance Acquisition ("Application") dated November 2, 1998; and

WHEREAS, the Virginia Department of Transportation ("VDOT") has provided Virginia Tech plans for a bridge replacement on U.S. Route 460 and the realignment of U.S. Route 460 and Route 636 relative to that bridge replacement, which will require conveyances in fee simple, as well as temporary and permanent easements, to VDOT and a new permanent easement to Southside Electric Cooperative affecting the Property (the "VDOT Project"); and

WHEREAS, a copy of the survey showing the intended fee simple title conveyance and easement areas entitled "PRELIMINARY," dated October 23, 2012 and revised June 13, 2013, drawn by Carrol R. Roberts, LS, and designated PROJECT: 7460-067-107, C-502 is attached hereto; and

WHEREAS, Virginia Tech acknowledges VDOT worked to limit the impact the VDOT Project will have on the lands of the university; and

WHEREAS, the university desires to assist VDOT with the aforementioned VDOT Project; and

WHEREAS, the U.S. Department of Education shall and will determine what, if any, proceeds from the conveyance of the fee simple title and the creation of temporary and permanent easements will be expended either on-site at the Southern Piedmont Agricultural Research and Extension Center or retained by the U.S. Department of Education;

NOW, THEREFORE, BE IT RESOLVED, that the Vice President for Administration be authorized to execute the necessary documents to convey the fee simple title and create temporary and permanent easements relative to the VDOT Project and for the proceeds, if any, to be expended at the direction of the U.S. Department of Education and in accordance with the provisions in the Application for Public Allowance Acquisition dated November 2, 1998.

RECOMMENDATION:

That the above resolution authorizing the Vice President for Administration, or his successor, to execute the necessary documents to convey the fee simple title and create temporary and permanent easements relative to the said VDOT Project and for the proceeds, if any, to be expended at the direction of the U.S. Department of Education and in accordance with the provisions in the Application for Public Allowance Acquisition dated November 2, 1998, be approved.

September 15, 2014

VDOT
Virginia Department of Transportation

CARROL R. ROBERTS, LS
RICHMOND DIST.
2430 PINE FOREST DR.
COLONIAL HEIGHTS, VA 23834
(804) 524-6157

UPC: 18964	PROJECT: 7460-067-107, C-502	DRAWN BY: CRR	PARCEL: 002
SCALE: 1" = 100'	DATE: OCT. 23, 2012 REV. JUNE 13, 2013	CHECKED BY: XXX	SHEET 1 OF 2

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
COMPILED PLAT SHOWING FEE TAKE AND
EASEMENTS TO BE AQUIRED FROM
VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY**

**PROPERTY OF
VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY**
DB 352 PG 383
BELLEFONTE MAGISTERIAL DISTRICT
NOTTOWAY COUNTY, VA

1. I, CARROL ROBERTS, CERTIFY THAT THIS PLAT MEETS THE MINIMUM PLAT STANDARDS OF THE VA. DPOR APELSCIDLA REGULATIONS.
2. THIS COMPILED PLAT WAS PREPARED TO SHOW FEE TAKE AND EASEMENTS.
3. THIS COMPILED PLAT WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT SHOW ALL EASEMENTS WHICH MAY EFFECT THE PROPERTY SHOWN HEREON.
4. PROPERTY INFORMATION IS BASED ON DEEDS AND PLATS OF RECORDS AND PHYSICAL EVIDENCE FOUND.
5. CALLS IN PARENTHESIS ARE DEED CALSS.
6. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY. INFORMATION IS BASED ON DEEDS AND PLATS OF RECORD.
7. ALL OF THE PROPERTY'S PHYSICAL IMPROVEMENTS MAY NOT BE SHOWN HEREON.
8. NO DESIGNATION OR LOCATION OF SUBSURFACE UTILITIES WAS PERFORMED DURING PREPARATION OF THIS PLAT.
9. THIS PLAT WAS COMPILED FROM LAND RECORDS AND A FIELD SURVEY BY VIRGINIA DEPARTMENT OF TRANSPORTATION ON 4-21-08.

○ R/W PIN TO BE SET
● EXISTING IP

**VICINITY MAP
NOT TO SCALE**

PI = 105+71.94
DELTA = 23° 15' 56.49" (LT)
D = 4° 58' 56"
T = 236.75'
L = 466.97'
R = 1,150.00'
PC = 103+35.19
PCC = 108+02.16

PI = 302+02.07
DELTA = 112° 16' 41.19"
D = 45° 50' 12"
T = 186.29'
L = 244.95'
R = 125.00'
PC = 300+15.78
PT = 302+60.73

PI = 114+51.04
DELTA = 53° 23' 04.99"
D = 4° 26' 22"
T = 648.88'
L = 1,202.48'
R = 1,290.58'
PCC = 108+02.16
PT = 120+04.64

N=279399.7262
E=3436814.9223

VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY
DB352 PG383
PB6 PG85-92
1J86.060 AC.
Tax# 43-132

Utility Easement For Overhead Telephone Reserved By The Department Of The Army
PB 6 Pg. 89 DB 352 Pg. 383

Utility Easement For Southside Electric Reserved By The Department Of The Army
PB 6 Pg. 87 DB 352 Pg. 383

20' VDOT JOINT USE EASEMENT FOR CENTURY LINK 0.241 Ac.

VARIABLE WIDTH VDOT JOINT USE EASEMENT FOR SOUTHSIDE ELECTRIC CORPORATION & CENTURY LINK 0.260 Ac.

20' VDOT JOINT USE EASEMENT FOR CENTURY LINK 0.769 Ac.

Prop. Temporary Construction Easement for Slopes 0.374 Ac.

Rte. 460 Business (Cox Road)

Prescriptive R/W 0.113 Ac.
Prop. R/W 3.254 Ac.

PRELIMINARY

L1	N83°04'36"E	14.55'
L2	N36°03'46"E	58.16'
L3	N06°34'43"E	106.38'
L4	N10°20'52"E	93.06'
L5	S08°57'09"E	114.12'
L6	N81°34'32"E	29.44'
L7	N06°47'46"E	180.56'
L8	S49°26'39"W	92.41'
L9	S02°53'47"W	37.17'
L10	S20°16'16"W	64.13'
L11	S15°47'56"W	50.00'
L12	S10°05'22"W	100.50'
L13	S27°06'35"W	50.99'
L14	S15°47'59"W	189.27'
L15	S74°53'23"W	27.84'
L16	N83°33'37"W	47.72'
L17	S54°47'48"W	82.75'
L18	N06°39'11"W	22.70'
L19	N83°04'36"E	68.64'
L20	S23°43'28"E	36.65'
L21	S66°17'30"W	10.38'
L22	N23°42'26"W	16.69'
L23	S08°22'21"E	10.00'
L24	S81°37'39"E	20.00'
L25	N08°22'21"W	10.00'
L26	N06°55'57"W	40.46'

L27	S43°27'51"E	21.85'
L28	N52°32'47"E	25.59'
L29	S37°27'10"E	20.00'
L30	S52°32'45"W	25.05'
L31	S49°24'55"W	91.54'
L32	S02°56'34"W	37.38'
L33	S20°16'19"W	64.13'
L34	S15°47'56"W	48.22'
L35	S10°05'22"W	102.49'
L36	S27°06'35"W	52.00'
L37	S15°47'59"W	187.29'
L38	S74°55'11"W	31.09'
L39	N83°33'38"W	43.91'
L40	S45°47'47"W	72.98'
L41	S43°25'05"W	96.03'
L42	S04°46'24"W	226.15'
L43	S88°53'56"W	100.06'
L44	N49°26'39"E	17.93'
L45	S35°02'58"W	33.16'
L46	S20°29'51"W	51.42'
L47	S61°42'16"W	18.72'
L48	N28°17'45"W	45.31'
L49	N27°13'33"E	26.98'
L50	N80°23'46"E	46.40'
L51	S24°50'33"W	40.00'
L52	S80°23'46"W	62.70'

C1	RAD.=235.44' L=157.72' CHORD: N33°21'18"E 154.79'		C5	RAD.=1225.00' L=307.85' CHORD: S73°57'37"W 307.05'		C9	RAD.=1345.58' L=96.71' CHORD: N44°28'40"E 96.69'		C13	RAD.=81.49' L=123.04' CHORD: S54°25'57"W 111.68'
C2	RAD.=560.00' L=409.08' CHORD: S31°31'49"W 400.04'		C6	RAD.=1225.00' L=95.23' CHORD: S84°19'20"W 95.21'		C10	RAD.=540.00' L=394.30' CHORD: S31°41'09"W 385.59'		C14	RAD.=560.00' L=13.95' CHORD: N51°44'45"E 13.95'
C3	RAD.=2535.00' L=228.88' CHORD: S13°12'47"W 228.80'		C7	RAD.=1250.00' L=130.28' CHORD: N63°10'41"E 130.22'		C11	RAD.=2555.00' L=232.82' CHORD: S13°12'24"W 232.74'		C15	RAD.=560.00' L=64.17' CHORD: N47°44'52"E 64.14'
C4	RAD.=155.00' L=171.96' CHORD: S47°34'53"W 163.27'		C8	RAD.=1345.58' L=318.08' CHORD: N53°18'31"E 317.34'		C12	RAD.=175.00' L=193.14' CHORD: S47°25'03"W 183.49'		C16	RAD.=1205.00' L=359.02' CHORD: N74°48'39"E 357.70'

SCALE
0 50' 100' 200'

VDOT Location and Design
Colonial Heights, Virginia
LAND SURVEYOR

VDOT
Virginia Department of Transportation

CARROL R. ROBERTS, LS
RICHMOND DIST.
2430 PINE FOREST DR.
COLONIAL HEIGHTS, VA 23834
(804) 524-6157

UPC: 18964 | PROJECT: 7460-067-107, C-502 | DRAWN BY: CRR | PARCEL: 002
SCALE: 1" = 100' | DATE: OCT. 23, 2012 REV. JUNE 13, 2013 | CHECKED BY: XXX | SHEET 2 OF 2

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
COMPILED PLAT SHOWING FEE TAKE AND
EASEMENTS TO BE AQUIRED FROM
VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY**

**PROPERTY OF
VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY**
DB 352 PG 383
BELLEFONTE MAGISTERIAL DISTRICT
NOTTOWAY COUNTY, VA

PRELIMINARY

PI = 308+26.88
DELTA = 5° 10' 23.41" (LT)
D = 2° 17' 31"
T = 112.94'
L = 225.72'
R = 2,500.00'
PC = 307+13.94
PT = 309+39.66

Prop. R/W
3.254 Ac.

Construction Baseline

CHORD: N20°51'04"E 562.43'
RAD.=1179.00'
Rte. 460 Bus.
Prescriptive R/W
0.302 Ac.

NORFOLK AND WESTERN RAILWAY CO. (Cox Road)
PC 121+16.22
(N06°48'54"E 155.46')
(N06°48'54"E 180.56')
PT 309+39.66
N 10° 37' 36" E

FORT PICKETT LOCAL
REDEVELOPMENT AUTHORITY
DB324 PG575
PB5 PG245-258
434.07 AC.
Tax# 43-130

N 52°32'47"E

N 15° 47' 59" E

N 51° 48' 06" E
POT 316+03.39

20' VDOT JOINT USE EASEMENT
FOR CENTURY LINK
0.769 Ac.

Prop. Temporary
Construction Easement
for Entrance
0.062 Ac.

N28°11'45"W
S28°11'45"E
207.80'
179.30'

Prop. Perm.
Drain. Easement
0.346 Ac.

N65°08'25"W 113.91'
S65°09'25"E 126.31'

Utility Easement For Southside Electric
Reserved By The Department Of The Army
PB 6 Pg. 87 DB. 352. Pg. 383

Prop. Temporary
Construction Easement
for Slopes
0.374 Ac.

(002)
VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY
DB352 PG383
PB6 PG85-92
1,186.060 AC.
Tax# 43-132

7460-067-107 C502

PI = 312+01.87
DELTA = 41° 10' 29.90" (RT)
D = 9° 32' 57"
T = 225.38'
L = 431.18'
R = 600.00'
PC = 309+76.49
PT = 314+07.67

SCALE
0   50'   100'   200'

○ R/W PIN TO BE SET
● EXISTING IP

RESOLUTION ON DEMOLITION OF UNIVERSITY BUILDINGS

WHEREAS, under the 2006 Management Agreement between the Commonwealth of Virginia and the university, the Board of Visitors has the authority to approve the disposition of any building; and

WHEREAS the 360 gross square foot (GSF) stable No. 702 and the 360 GSF stable No. 706, each constructed in 1948 and unused for over 18 years, are in poor condition and are uneconomical to repair; and

WHEREAS, the university will obtain the approvals of the Art and Architecture Review Board and the Department of Historic Resources for the demolition of these buildings prior to demolition;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Visitors approve the demolition stables No. 702 and No. 706 located in Catawba, in accordance with the applicable statues of the <u>Code of Virginia</u> (1950), as amended.

<u>**RECOMMENDATION**</u>**:**

That the above resolution authorizing the demolition of stables No. 702 and No. 706 be approved.

September 15, 2014

Demolition of:

Catawba Stables

Project Location

Catawba Sustainability Center

Blacksburg
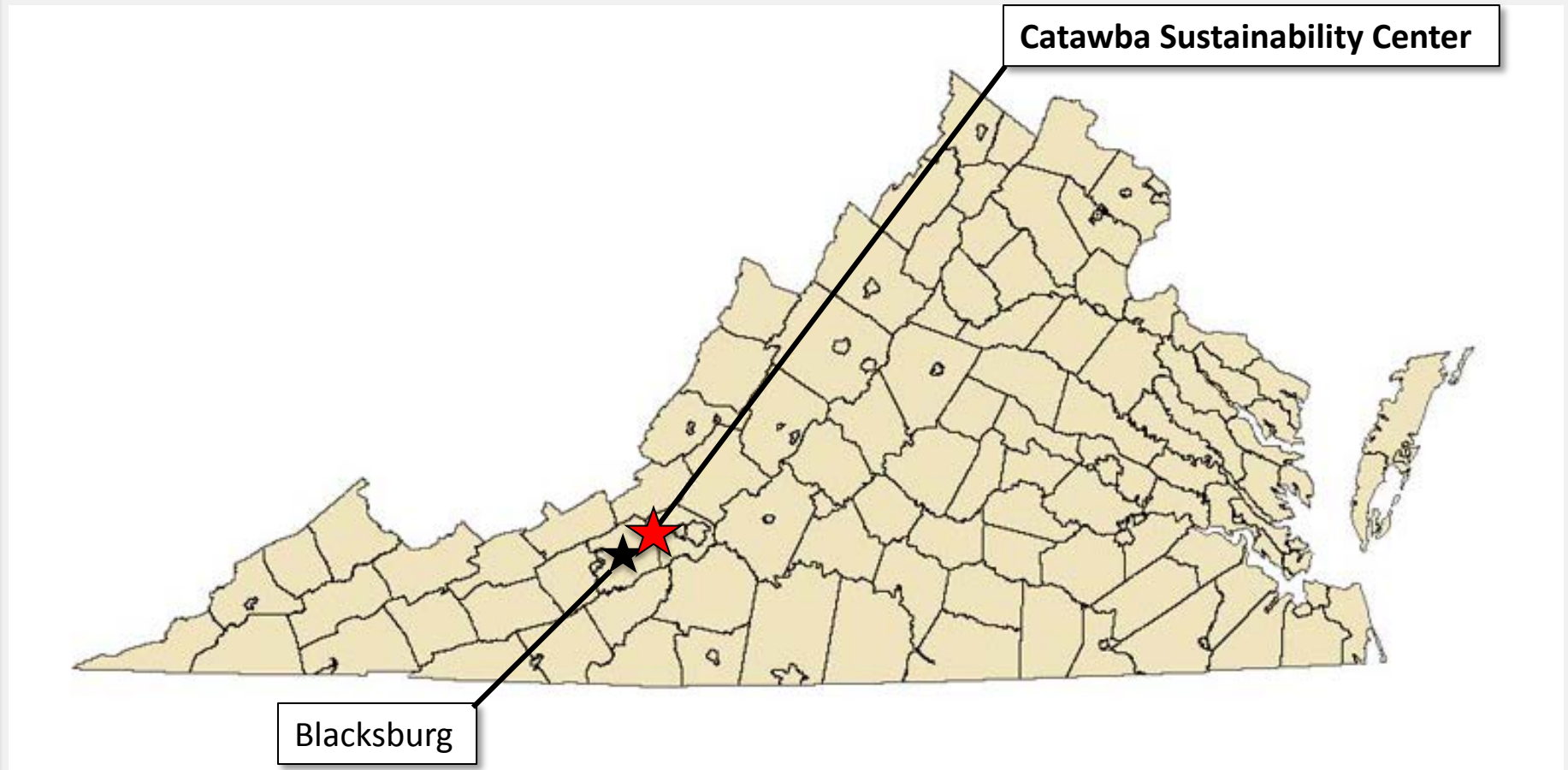
DEMOLITION OF CATAWBA STABLES

Stable No. 702 and Stable No. 706

Stable 702 North/ West Elevations

Stable 706 North/ West Elevations

Stable 702 South/ West Elevations

Stable 706 South/ West Elevations

DEMOLITION OF CATAWBA STABLES

Resolution on Demolition of Catawba Stables

NOW, THEREFORE, BE IT RESOLVED, that the Board of Visitors approve the demolition of stables no. 702 and no. 706 located in Catawba, in accordance with the applicable statues of the <u>Code of Virginia</u> (1950), as amended.

RECOMMENDATION:

That the above resolution authorizing the demolition of stables No. 702 and No. 706 be approved.

DEMOLITION OF CATAWBA STABLES

Committee Minutes

FINANCE AND AUDIT COMMITTEE

Duck Pond Room, The Inn at Virginia Tech

September 15, 2014

Audit Closed Session

Board Members Present: Mr. Jim Chapman, Ms. Deborah Petrine, Mr. Michael Quillen, Mr. Horacio Valeiras

VPI & SU Staff: Ms. Kay Heidbreder, Ms. Sharon Kurek, Dr. Timothy Sands, Ms. Savita Sharma, Mr. M. Dwight Shelton Jr.

1. Update on Fraud, Waste, and Abuse Cases: The Committee met in Closed Session to receive an update on the outstanding fraud, waste, and abuse cases.

2. Discussion with the Director of Internal Audit: The Committee met in Closed Session with the Director of Internal Audit to discuss audits of specific departments and units where individual employees were identified.

Audit Open Session

Board Members Present: Mr. Jim Chapman, Mr. Dan Cook – Staff Representative, Mr. Mike Quillen, Mr. Horacio Valeiras

VPI & SU Staff: Mr. Jared Bourne, Mr. Bob Broyden, Mr. Allen Campbell, Ms. Yohna Chambers, Mr. Al Cooper, Mr. John Cusimano, Mr. John Dooley, Ms. Natalie Hart, Mr. Tim Hodge, Ms. Sharon Kurek, Ms. Nancy Meacham, Dr. Scott Midkiff, Mr. Ken Miller, Ms. Terri Mitchell, Ms. Laura Neff-Henderson Dr. Scot Ransbottom, Ms. Lisa Royal, Dr. Timothy Sands, Ms. Savita Sharma, Mr. M. Dwight Shelton Jr., Dr. Ken Smith, Mr. Jeb Stewart, Mr. Brad Sumpter

1. Motion to Reconvene in Open Session: Motion to begin open session.

2. Approval of Items Discussed in Closed Session: The Committee reviewed and ratified the quarterly personnel changes report.

3. Opening Remarks and Approval of Minutes of the June 2, 2014 Meeting: The Committee reviewed and approved the minutes of the June 2, 2014 meeting.

4. Update on Federal Audit of National Science Foundation Research Funds: The university has provided regular reports to the Finance and Audit committee on the status of the National Science Foundation audit. In the spring of 2013, the Office of the Inspector General (OIG) for the National Science Foundation (NSF) announced it would perform "cost incurred performance audits" of eleven large institutions of higher education, including Virginia Tech, which have received significant funding from NSF. The OIG selected Withum Smith and Brown (WSB), a public accounting firm, to perform Virginia Tech's audit. Based on the final audit report, issued in July 2014, the auditors have total questioned costs of $1.6 million, which represents 1.42 percent of the total NSF expenditures audited of $113.2 million. The university agrees that $64,138 of the questioned costs are unallowable costs, but disputes the remaining $1.54 million of questioned costs related to salaries and equipment. The university is currently in the audit resolution process, which is the last stage of determining the final impact of the audit. This report provided information on the audit findings and the university's response to the findings.

5. Review and Acceptance of University's Update of Responses to all Previously Issued Internal Audit Reports: The Committee reviewed the university's update of responses to all previously issued internal audit reports. As of March 31, 2013, the university had 27 open recommendations. Four audit comments have been issued during the fourth quarter of this fiscal year. As of June 30, 2014, the university has addressed seven comments, leaving 24 open recommendations in progress. Through August 2014, Internal Audit has closed five of the 24 open recommendations leaving 19 open recommendations in progress. The Committee received a briefing at the meeting that reviewed the status of the outstanding comments, including the comments that have been addressed since June 30, 2014.

The Committee accepted the report.

6. Presentation, Discussion, and Acceptance of the Department of Internal Audit's Annual Status Report for the Fiscal Year Ended June 30, 2014: The Committee reviewed the Department of Internal Audit's Status Report as of June 30, 2014. This report documents the Committee's review of the effectiveness of the internal audit function, including staffing resources, financial budget, training, objectivity and reporting relationships as required by the Committee's Audit Charter. In addition to conducting scheduled audits, compliance reviews, and advisory services, the department participated in annual audit activities, fraud investigations, and professional development activities. Twenty-six audit projects or 87 percent of the audits on the fiscal year 2013-14 audit plan have been completed. Two risk-based audits and two advisory projects were underway at fiscal year-end and will be carried

forward to fiscal year 2014-15. The Committee commended the performance of the Director of Internal Audit and the Internal Audit staff on the excellent performance of the department. The Committee also received an overview of cost containment recommendations, recurring audit issues, and surveys results for evaluating Internal Audit services.

The Committee accepted the report.

7. Review and Acceptance of 2015 Audit Plan: The Committee reviewed for approval the proposed audits on the 2014-15 annual audit plan. Internal Audit conducted its annual risk assessment to identify entities that should receive audit attention in fiscal year 2014-15. Internal Audit also created a university-wide information technology risk assessment and audit plan mapped to the ISO 27002 standard, an information technology standard published by International Organization for Standardization (ISO) that is considered best practice for developing and maintaining enterprise-wide IT security. Senior management had the opportunity to provide input on areas for consideration in the preparation of the audit plan. Approximately 12,740 direct hours will be devoted to audits, planning, and reviews. Twenty-three audits and five compliance reviews are proposed for 2014-15. Internal Audit's goal is to complete 85 percent of the audit plan.

The Committee accepted the 2015 Audit Plan.

8. Review and Acceptance of the following Internal Audit Reports and Memos Issued: The Committee reviewed and accepted the following internal audit reports:

   a. Athletics: Operations: The audit received a rating of improvements are recommended. Audit recommendations were issued to management in the areas of equipment inventory management and contract administration. Varying components of intercollegiate athletics are reviewed annually so that a comprehensive audit is conducted over a five-year period. This audit focused on operational areas of Athletics.

   b. Human Resources Hiring and Termination: The audit received a rating of improvements are recommended. Audit recommendations were issued to management in the areas of faculty transcripts and system access to sensitive records. Varying components of Human Resources are reviewed annually so that a comprehensive audit is conducted over a four-year period. This audit focused on hiring and termination.

   c. Windows Server Security: The audit received a rating of improvements are recommended. Audit recommendations were issued to management in the

areas of university password policy, log management, and Windows Server control environment. Additionally, a separate recommendation was issued to university senior leadership regarding server room design considerations.

d. University Scholarships and Financial Aid: The audit received a rating of effective. Varying components of University Scholarships and Financial Aid are reviewed annually so that a comprehensive audit is conducted over a four-year period. This audit focused on eligibility and return of Title IV funding.

e. Wi-Fi Infrastructure Security: The audit received a rating of improvements are recommended. An audit recommendation was issued to management in the area of unauthorized access points.

f. Vice President and Dean for Graduate Education: The compliance review received a rating of improvements are recommended. Audit recommendations were issued to management in the areas of overtime compensation, leave reporting, and university key control.

g. Vice President for Student Affairs: The compliance review received a rating of improvements are recommended. Audit recommendations were issued to management in the areas of fiscal responsibility, wage payroll, expenditures, and funds handling.

9. Discussion of the Current Status of the June 30, 2014 Audit of the University's Financial Statements: The Committee received a report on the current status of the audit of the university's financial statements for 2013-14. The audit is proceeding according to schedule and the auditors will report the results at the November meeting. At this time, the university is not aware of any significant issues related to the audit.

Finance Closed Session

Board Members Present: Mr. Jim Chapman, Ms. Deborah Petrine, Mr. Michael Quillen, Mr. Horacio Valeiras

VPI & SU Staff: Ms. Kay Heidbreder, Ms. Sharon Kurek, Dr. Timothy Sands, Ms. Savita Sharma, Mr. M. Dwight Shelton Jr.

1. Motion for Closed Session

*   2. Ratification of Personnel Changes Report: The Committee met in Closed Session to review and take action on the quarterly personnel changes report.

The Committee recommended the personnel changes report to the full Board for approval.

Finance Open Session

Board Members Present: Mr. Jim Chapman, Mr. Dan Cook – Staff Representative, Mr. Mike Quillen, Mr. Horacio Valeiras,

VPI & SU Staff: Mr. Allen Campbell, Ms. Yohna Chambers, Mr. John Cusimano, Dr. John Dooley, Ms. Natalie Hart, Mr. Tim Hodge, Ms. Nancy Meacham, Dr. Scott Midkiff, Mr. Ken Miller, Ms. Terri Mitchell, Ms. Laura Neff-Henderson, Ms. Lisa Royal, Ms. Savita Sharma, Mr. M. Dwight Shelton Jr., Mr. Jeb Stewart

1. Opening Remarks and Approval of Minutes of the June 2, 2014 Meeting: The Committee reviewed and approved the minutes of the June 2, 2014 meeting.

2. Budget Update - Outcome of the 2014 Legislative Session and Current Events: The Finance and Audit committee received a report on the impact of the final state budget allocations on the university budget. During the General Assembly's budget deliberation process, the 2013-14 General Fund revenue outlook declined an estimated $350 million, requiring the General Assembly to reduce the previously proposed General Fund increases in the 2014-16 biennial budget. This required the state to scale back efforts to enhance the General Fund support that had previously been proposed and communicated to agencies, including Virginia Tech. As a result, the incremental General Fund assumed in the budget and communicated to the Board at the June 2014 meeting, has been reduced. The original 2014-15 budget expected $26.7 million of incremental General Fund support. The final amount was $14.9 million or $11.9 million less than originally forecast. The State also captured the interest earnings of $270,000 thus reversing an incentive to achieve institutional performance negotiated under the Restructuring Act. This report provides information on some of the significant changes to the university's operating and capital budgets for 2014-15.

The Committee asked that a report be presented at a future meeting to provide a recap of the Restructuring Act and the subsequent pull back of the Restructuring benefits by the State.

On August 15, Governor McAuliffe released revised revenue estimates for the 2014-16 biennium that further reduced projected General Fund revenue. The Governor indicated that after utilizing unappropriated balances and the revenue stabilization fund to offset a portion of this shortfall, a deficit of approximately $346 million in 2014-15 and $536 million in 2015-16 remains and must be managed. The Executive Branch is currently reviewing all options to reduce expenditures to match revenues at the state level. On August 22, 2014, the Executive Branch issued five percent and seven percent reductions for agencies, excluding higher education, which would receive targeted reductions. On August 27, 2014, higher education received budget reduction targets in the range of five percent and seven percent, for 2014-15 and 2015-16, respectively. The budget update included information on the current status of the state budget and its pending impact on the financial resources available for the university's programs.

3. Update on JLARC Study on Higher Education Cost Efficiency: The Committee received an update on the JLARC Study on Higher Education Cost Efficiency. The 2012 General Assembly directed the Joint Legislative Audit and Review Commission (JLARC) to conduct a study on cost efficiency of the public higher education institutions in Virginia and to identify opportunities to reduce the cost of public higher education in Virginia. JLARC has issued three of the five scheduled reports in this study series. The Committee received a report on the status of the two currently ongoing studies. These studies cover administrative efficiency and affordability, funding, and governance.

4. Report on Higher Education Restructuring Institutional Performance Standards: The Committee received a report on the Higher Education Restructuring Institutional Performance Standards or IPS. The IPS measures which include academic and finance and administrative measures are the primary performance metrics evaluated by the State under the Restructuring Act. Until FY 2010, the university reported on the IPS measures to the state and provided a report to the committee annually. In May, 2011 SCHEV certified all institutions as meeting IPS standards for 2011-12 to 2013-14 period.

The Higher Education Opportunity Act passed in 2011 suspended the assessment of IPS measures until the Higher Education Advisory Council completed its review of the IPS measures and recommended a new set of reporting measures. The 2013 General Assembly passed the recommended changes to the IPS measures. The number of measures were significantly reduced, and the assessment period changed from an annual reporting period to a biennial reporting period. The changes to the IPS measures were mainly for the academic measures; no significant changes were made to the finance and administrative measures. The university reported on the performance of the 17 finance and administrative measures to the Secretaries of

Finance, Administration, and Education in late August. The report provides information on the 17 finance and administrative measures and the university's reported performance on each. The report also gave information about the six academic-related measures. Information received recently indicates that the university will pass both academic and finance and administrative measures with regard to the certification process conducted by the State Council.

* 5 Approval of Year-to-Date Financial Performance Report (July 1, 2013 – June 30, 2014): The Committee reviewed the Year-to-Date Financial Performance Report for July 1, 2013 – June 30, 2014. For the fourth quarter, budget adjustments were made for revisions to projected revenues and expenditures. During the fourth quarter, tuition and fee revenues were $1.7 million higher than the revised budget due to conservative budgeting and savings in unfunded scholarship. Federal revenue in the Cooperative Extension/Agricultural Experiment Station was less than the projected budget due to the timing of the receipt of federal drawdowns and lower than expected expenditures.

   The university successfully closed its fiscal year in accordance with guidance and requirements of the Commonwealth, with a balanced budget for its Educational and General operations, while fully utilizing its General Fund appropriations. The auxiliary enterprises achieved the annual revenue budget, while expenditures were lower than projected due to the timing of operating expenditures and projects that were initiated but incomplete at year-end.

   For the quarter ending June 30, 2014, $78.1 million has been expended for Educational and General capital projects, and $22 million has been expended for Auxiliary Enterprises capital projects. Total capital outlay expenditures for the quarter ending June 30, 2014 was $100.1 million.

   The Committee recommended the Year-to-Date Financial Performance Report to the full Board for approval.

Joint Open Session

Board Members Present: Mr. Jim Chapman, Mr. Dan Cook – Staff Representative, Mr. William Fairchild, Mr. B. K. Fulton, Mr. Mike Quillen, Mr. Mehul Sanghani, Mr. Horacio Valeiras

VPI & SU Staff: Mr. Bob Broyden, Mr. Allen Campbell, Ms. Yohna Chambers, Mr. John Cusimano, Dr. John Dooley, Dr. Rick Ferraro, Ms. Elizabeth Flanagan, Ms. Elizabeth Hansen, Mr. Larry Hincker, Mr. Tim Hodge, Dr. Chris Kiwus, Ms. Nancy Meacham, Ms. Heidi McCoy, Dr. Scott Midkiff, Mr. Ken Miller, Ms. Laura Neff-Henderson, Ms. Lisa Royal,

Ms. Savita Sharma, Mr. M. Dwight Shelton Jr., Mr. Robert Spieldenner, Mr. Jeb Stewart, Mr. Brad Sumpter, Dr. Sherwood Wilson, Mr. Chris Wise

* 1. **Approval of Resolution on Capital Project for Constructing the South Recreation Field Surface Replacement:** The Committees reviewed for approval a resolution for constructing the south Recreation Field Surface replacement. In March 2014, the Board of Visitors approved a $230,000 planning authorization for the South Recreation Field Surface Replacement project. The project is in the preliminary design phase and will be ready to enter the construction phase this fall. In accordance with the scope of the authorized planning project, the designed solution proposes to replace the remaining natural turf fields with synthetic turf to create a multi-purpose area that may be arranged as six flag football fields, or six soccer fields, or four 300-foot softball fields. The scope includes perimeter fencing, reuse of existing lighting, and a ten-foot wide asphalt path constructed around the field.

These improvements will allow Recreation Sports to meet the student expectations for outdoor recreation space and provide an opportunity for increased student participation.

As with all self-supporting projects, the university has developed a financing plan to fully support the project. The total project budget is $4.6 million; and annual debt service is estimated to be $380,000. The funding plan for debt service calls for the redirection of existing Recreational Sports student fee revenues when debt on the original McComas Hall project retires. Thus, student fees will not be increased for this project, and the revenue source is sufficient to cover this amount. This request is for a $4.37 million authorization supplement to the existing $230,000 planning authorization to complete the South Recreation Field Surface Replacement project.

The Committees recommended the Resolution on Capital Project for Constructing the South Recreation Field Surface Replacement to the full Board for approval.

***Requires full Board approval.**

There being no further business, the meeting adjourned at 11:30 am

Federal Agency Special Purpose Audits and Reviews

FINANCE AND AUDIT COMMITTEE

August 9, 2014

Background

In addition to the annual audits of the university's financial statements and its Intercollegiate Athletics program performed by the Auditor of Public Accounts (APA), Virginia Tech is also subject to special purpose audits or reviews performed by other entities, such as federal agencies sponsoring grants and contracts. Due to the growth in the breadth of the research programs and the dollar volume of activities at Virginia Tech, the university is more likely to now be selected for inclusion in such audits or reviews. At each of the meetings since June 3, 2013, the university provided reports to the Finance and Audit Committee on the status of the National Science Foundation audit. This report provides an update on the current status of this audit.

Background - National Science Foundation Audit

In the Spring of 2013 the Office of the Inspector General (OIG) for the National Science Foundation (NSF) announced it would perform "cost incurred performance audits" of 11 large institutes of higher education which have received significant funding from NSF. Because Virginia Tech currently has 503 active awards totaling $190.7 million from NSF, it was one of the universities selected for audit.

The OIG selected Withum Smith and Brown (WSB), a public accounting firm, to perform Virginia Tech's audit. The university has designated the Assistant Vice President for Sponsored Programs Administration and the Assistant Vice President for Finance and University Controller to coordinate interactions with WSB. Since the entrance conference with WSB on April 12, 2013, the following items have occurred:

- WSB has requested and the university has provided numerous data files of transactions from the university's Finance and Human Resources systems for the entire period under audit (January 1, 2010 through December 31, 2012).

- WSB audit managers came to campus July 31, 2013 through August 2, 2013 to gain an understanding of the university's systems, and its policies and procedures related to the internal controls over the finance and human resources transactions. The Assistant Vice President for Sponsored Programs Administration and the Assistant Vice President for Finance and University

Controller led the discussions with the auditors who seemed experienced and knowledgeable about higher education business processes.

- WSB audit managers and staff returned to campus on August 5, 2013 through August 9, 2013 to test an initial sample of transactions posted to these NSF grants to ensure they are in compliance with federal regulations and are allowable costs. The university provided support for most of these sample transactions while the auditors were on campus. The auditors subsequently asked for additional support or justification for numerous transactions in the initial sample.

- The WSB auditors returned to campus in December 2013 to review a second sample of transactions that were related to faculty, staff, and student salary charges to NSF projects.

- In early February 2014 the university received more requests for additional documentation on transactions from both groups of transactions reviewed. The university also received a listing of items that were potential questioned costs (costs charged to projects that the auditors feel may not be in compliance with federal regulations).

- In March of 2014 the university provided detailed support and had several teleconferences with the WSB auditors and successfully resolved a significant portion of the potential questioned costs. However, many items could not be resolved to the auditors' satisfaction and remained as questioned costs. For the questioned costs related to faculty salaries, fringe benefits and facilities and administrative costs related to the salaries were computed and added to the total questioned costs.

- In late April of 2014 the WSB auditors issued a preliminary draft audit report, and in conjunction with NSF OIG personnel, discussed the findings with the university. The WSB auditors and OIG personnel were amenable to making minor edits to correct errors or omissions; however, they were not willing to make substantive changes to their findings.

- In late May of 2014 the WSB auditors issued a final draft audit report and the university prepared a response to this report.

- In early July of 2014 the WSB auditors issued their final report dated June 30, 2014. The report included six audit findings with total questioned costs of $1.6

million. The university agreed with the auditors that $64,138 of the questioned costs related to non-salary expenditures were not in compliance per federal regulations for allowable costs and should be refunded to NSF. However, the university disputed the remaining $1.5 million in questioned costs.

- On July 18, 2014 the university had its initial discussions with personnel from the Cost Analysis and Audit Resolution (CAAR) Branch of NSF. During July and August of 2014 the university had additional phone conversations and e-mail exchanges with NSF CAAR personnel, and received a preliminary determination that the questioned costs for equipment disputed by the university totaling $83,275 would be waived. However, the CAAR personnel are still in the process of determining the appropriate resolution for the disputed salaries which constitute the most significant portion of the questioned costs.

Current Status and Potential Impact of this Type of Audit

The university is currently in the audit resolution process which is the last stage of determining the final impact of this audit. In this final stage NSF CAAR personnel will make a recommendation and it will have to be approved by senior management at NSF. While the CAAR personnel we have dealt with so far have seemed interested in resolving the remaining questioned costs, we understand that the process can take many months to complete. We expect the final resolution in the Spring of 2015.

The WSB auditors reviewed over 193,111 expenditure transactions totaling $113.2 million on the university's NSF projects for the three year period. Based on the final audit report, the WSB auditors had total questioned costs of $1,604,129. *Attachment A* shows a summary chart with the information for each of the six findings in the audit report.   The total questioned costs represented 1.42 percent of the total NSF expenditures audited of $113.2 million.   The university concurs that $64,138 of the questioned costs are unallowable costs, but disputes the remaining $1,539,991 of questioned costs related to salaries and equipment.

As noted in *Attachment A*, the majority of the questioned costs relates to faculty salaries. For the questioned costs related to faculty salaries, fringe benefits and facilities and administrative costs related to the salaries were computed and added to the total questioned costs. The addition of these computed costs resulted in doubling the total questioned costs related to faculty salaries. The total questioned costs related to salaries, fringe benefits, and facilities and administrative costs were $792,273, $189,602, and $474, 841, respectively, for a grand total of $1,456,716.

NSF rules preclude charging more than two-ninths of a senior personnel's salary across all active NSF projects for that personnel. NSF is the only federal agency that has this specific rule related to faculty salaries. The university provided detailed support to the WSB auditors and successfully resolved a significant portion of the potential questioned costs related to faculty salaries. However, many items could not be resolved to the auditors' satisfaction and remained as questioned costs. The WSB auditors and NSF OIG personnel did not accept the university's argument that NSF rules permit limited re-budgeting of costs to streamline the administration of NSF awards and that this re-budgeting authority did not specifically exclude faculty salaries. They also rejected the university's argument related to other ambiguities in the NSF guidance related to salaries. It is important to note that, absent the unique NSF limit, the faculties salaries charged to the project would have been an allowable cost to the NSF projects. The auditors did not question that the effort performed by the faculty did not benefit the projects. This should strengthen the university's position in the audit resolution process.

The remaining questioned costs generally relate to equipment purchased near the end of NSF projects, salary cost transfers, travel expenditures, visa costs, etc. and whether such expenditures benefited the NSF grant that was charged. The total of questioned costs for these items was $147,413. The university agreed that $64,138 of these costs were not appropriate and has already removed these costs from the NSF projects if the project was still active, and is awaiting instructions from NSF regarding the refund of the remainder of the $64,138 for projects which had already been completed. The university disputed the remaining $83, 275 of questioned costs related to equipment, and as mentioned above, the NSF CAARS personnel have preliminarily agreed with the university that these costs are appropriate.

The university will continue to interact with the NSF CAARS personnel to complete the audit resolution process and attempt to reduce the questioned costs and limit the impact of this audit.

| Question Costs Summary |

Category	Number of Awards	Number of Senior Personnel	Salaries & Fringes	Facilities & Admin. Cost	Total Questioned Costs	Total Questioned Costs Agreed to by the University	Total Questioned Costs Disputed by the University
Salaries greater than $5,000 over the NSF limit	27	35	$ 786,958	$ 370,274	$ 1,157,232	$ -	$ 1,157,232
Salaries less than $5,000 over the NSF limit	70	77	194,917	104,567	299,484	$ -	$ 299,484
Totals Related to Salaries	**97**	**112**	**$ 981,875**	**$ 474,841**	**$ 1,456,716**	**$ -**	**$ 1,456,716**

Category	Number of Awards	Number of items	Amount	Facilities & Admin. Cost	Total		
Equipment	9	21	$ 109,370	$ 8,959	$ 118,329	$ 35,054	$ 83,275
Indirect Cost Calculation	1	1		15,585	15,585	$ 15,585	$ -
Relocation Expenses	4	4	5,330	3,155	8,485	$ 8,485	$ -
Foreign Visa expenses	2	2	1,825	1,088	2,913	$ 2,913	$ -
Travel Expenses	3	1	1,981	120	2,101	$ 2,101	$ -
Totals for All Other Expenditures	**19**	**29**	**$ 118,506**	**$ 28,907**	**$ 147,413**	**$ 64,138**	**$ 83,275**
Grand Total of Questioned Costs	**116**	**141**	**$ 1,100,381**	**$ 503,748**	**$ 1,604,129**	**$ 64,138**	**$ 1,539,991**

Category	Number of Awards	Number of items	Total Direct Costs Amount	Total Facilities & Admin. Cost	Grand Total of Expenditures
Grand Totals for All NSF Awards for CY 2010 -2012	**685**	**193,111**	**$ 84,176,156**	**$ 29,024,244**	**$ 113,200,400**
Percent of Questioned Costs to Grand Totals	**16.93%**	**N/A**	**1.31%**	**1.74%**	**1.42%**

Update to Responses to Open Internal Audit Comments

FINANCE AND AUDIT COMMITTEE

June 30, 2014

As part of the internal audit process, university management participates in the opening and closing conferences and receives copies of all Internal Audit final reports. The audited units are responsible for implementing action plans by the agreed upon implementation dates, and management is responsible for ongoing oversight and monitoring of progress to ensure solutions are implemented without unnecessary delays. Management supports units as necessary when assistance is needed to complete an action plan. As units progress toward completion of an action plan, Internal Audit performs a follow-up visit within two weeks after the target implementation date. Internal Audit is responsible for conducting independent follow up testing to verify mitigation of the risks identified in the recommendation and formally close the recommendation. As part of management's oversight and monitoring responsibility, this report is provided to update the Finance and Audit Committee on the status of outstanding recommendations. Management reviews and assesses recommendations with university-wide implications and shares the recommendations with responsible administrative departments for process improvements, additions or clarification of university policy, and inclusion in training programs and campus communications. Management continues to emphasize the prompt completion of action plans.

The report includes outstanding recommendations from Compliance Reviews and Audit Reports. Consistent with the report presented at the June Board meeting, the report of open recommendations includes three attachments. Attachment A summarizes each audit in order of final report date with extended and on-schedule open recommendations. Attachment B details all open high or medium priority recommendations for each audit in order of the original target completion date, and with an explanation for those having revised target dates or revised priority levels. Attachment C charts performance in implementing recommendations on schedule over the last seven years. The 98.3 percent on-schedule rate for FY2014 reflects closing 59 of 60 recommendations by the original due date.

The report presented at the June 2, 2014 meeting covered Internal Audit reports reviewed and accepted through March 31, 2014 and included twenty-seven open medium and high priority recommendations. Activity for the quarter ended June 30, 2014 resulted in the following:

Open recommendations as of March 31, 2014	27
Add: Medium & High priority recommendations accepted June 2, 2014	4
Subtract: recommendations addressed since March 31, 2013	7
Remaining open recommendations as of June 30, 2014	24

While this report is prepared as of the end of the quarter, management continues to receive updates from Internal Audit regarding auditee progress on action plans. Through August 19, 2014, Internal Audit has closed five of the twenty-four outstanding medium and high priority recommendations. The remaining nineteen open recommendations are progressing as expected and are on track to meet their respective target due dates. Management continues to work conjointly with the units and providing assistance as needed to ensure the action plans are completed timely.

Presentation Date: September 15, 2014

Open Recommendations by Priority Level

FINANCE AND AUDIT COMMITTEE

June 30, 2014

Report Date	Audit Name	Audit Number	Total Recommendations						
			ISSUED	**COMPLETED**	**OPEN**				
					Extended		**On-schedule**		**Total**
					High	**Medium**	**High**	**Medium**	**Open**
08-Aug-13	International Affairs	13-1109	3	2				1	1
30-Oct-13	Housing and Residence Life	14-1134	2	1			1		1
18-Feb-14	Aerospace and Ocean Engineering	14-1140	1				1		1
27-Feb-14	Alson H. Smith and Middleburg ARECs	14-1146	4	3			1		1
04-Mar-14	Real Estate Management	14-1144	8				5	3	8
06-Mar-14	Payment Card Industry Data Security Standards (PCI DSS)	14-1141	5	2			1	2	3
07-Mar-14	Fleet and Parking Services	14-1143	5				2	3	5
14-May-14	Continuing Professional Education	14-1145	3				2	1	3
20-May-14	Procurement and Accounts Payable	14-1150	1					1	1
Totals:			**32**	**8**	**0**	**0**	**13**	**11**	**24**

Presentation Date: September 15, 2014

Internal Audit Open Recommendations

FINANCE AND AUDIT COMMITTEE

June 30, 2014

Report Date	Item	Audit Number	Audit Name	Recommendation Name	Priority		Target Date		Follow Up Status	Status of Recommendations with Revised Priority / Target Dates
					Original	Revised	Original	Revised		
06-Mar-14	1	14-1141	Payment Card Industry Data Security Standards (PCI DSS)	Password Controls	Medium		1-Jul-14		1	
27-Feb-14	2	14-1146	Alson H. Smith and Middleburg ARECs	Middleburg - Health and Safety	High		1-Aug-14		1	
04-Mar-14	3	14-1144	Real Estate Management	HokieServ Lease Module System Access	High		1-Aug-14		1	
06-Mar-14	4	14-1141	Payment Card Industry Data Security Standards (PCI DSS)	PCI DSS Guidance for Student Organizations - OUB	Medium		1-Aug-14		1	
06-Mar-14	5	14-1141	Payment Card Industry Data Security Standards (PCI DSS)	Full Compliance with PCI DSS Standards	High		31-Aug-14		1	
30-Oct-13	6	14-1134	Housing and Residence Life	Summer Conferences and Camps	High		15-Sep-14		1	
14-May-14	7	14-1145	Continuing Professional Education	Contractual Reporting Requirements	Medium		30-Sep-14		1	
08-Aug-13	8	13-1109	International Affairs	Education Abroad	Medium		01-Oct-14		2	
04-Mar-14	9	14-1144	Real Estate Management	Reconciliations of Central Leases	High		01-Oct-14		2	
04-Mar-14	10	14-1144	Real Estate Management	Lease Amendments	High		01-Oct-14		2	
04-Mar-14	11	14-1144	Real Estate Management	Lease Terminations	Medium		01-Oct-14		2	
07-Mar-14	12	14-1143	Fleet and Parking Services	Long-Term Visitor Permits and VIP Vehicles	Medium		01-Oct-14		2	
07-Mar-14	13	14-1143	Fleet and Parking Services	Inconsistently Applied Permit Refunds	Medium		01-Oct-14		2	
07-Mar-14	14	14-1143	Fleet and Parking Services	Inadequate Monitoring of Fuel Inventory Leak Checks	Medium		01-Oct-14		2	
14-May-14	15	14-1145	Continuing Professional Education	Contract Execution and Electronic Storage	High		31-Oct-14		2	
14-May-14	16	14-1145	Continuing Professional Education	Program Closeout and Income Distribution	High		31-Oct-14		2	

Presentation Date: September 15, 2014

Internal Audit Open Recommendations

FINANCE AND AUDIT COMMITTEE

June 30, 2014

Report Date	Item	Audit Number	Audit Name	Recommendation Name	Priority		Target Date		Follow Up Status	Status of Recommendations with Revised Priority / Target Dates
					Original	Revised	Original	Revised		
04-Mar-14	17	14-1144	Real Estate Management	Federal Funds Activity	Medium		01-Nov-14		2	
07-Mar-14	18	14-1143	Fleet and Parking Services	Inappropriately Voided Citations	High		01-Dec-14		2	
18-Feb-14	19	14-1140	Aerospace and Ocean Engineering	Health and Safety	High		31-Dec-14		2	
04-Mar-14	20	14-1144	Real Estate Management	Lease Portfolio and Payments	High		15-Jan-15		2	
04-Mar-14	21	14-1144	Real Estate Management	Income Leases and License Agreements	High		15-Jan-15		2	
04-Mar-14	22	14-1144	Real Estate Management	Deeds, Easements, and Conveyances	Medium		15-Jan-15		2	
07-Mar-14	23	14-1143	Fleet and Parking Services	Inadequate Safeguards for Cash Handling	High		31-Jan-15		2	
20-May-14	24	14-1150	Procurement and Accounts Payable	Increasing Awareness of Related-Party Vendors	Medium		31-Jan-15		2	

(1)   As of June 30, 2014, management confirmed during follow up discussions with Internal Audit that actions are occurring and the target date will be met. The Internal Audit department will conduct testing after the due date to confirm that the Management Action Plan is implemented in accordance with the recommendations.

(2)   Target date is beyond current calendar quarter. Management has follow-up discussions with the auditor to monitor progress, to assist with actions that may be needed to meet target dates, and to assess the feasibility of the target date.

Presentation Date: September 15, 2014

Management Performance and Trends Regarding Internal Audit Recommendations

FINANCE AND AUDIT COMMITTEE

June 30, 2014

Seven Year Trend of Recommendations Closed - On Schedule

Presentation Date: September 15, 2014
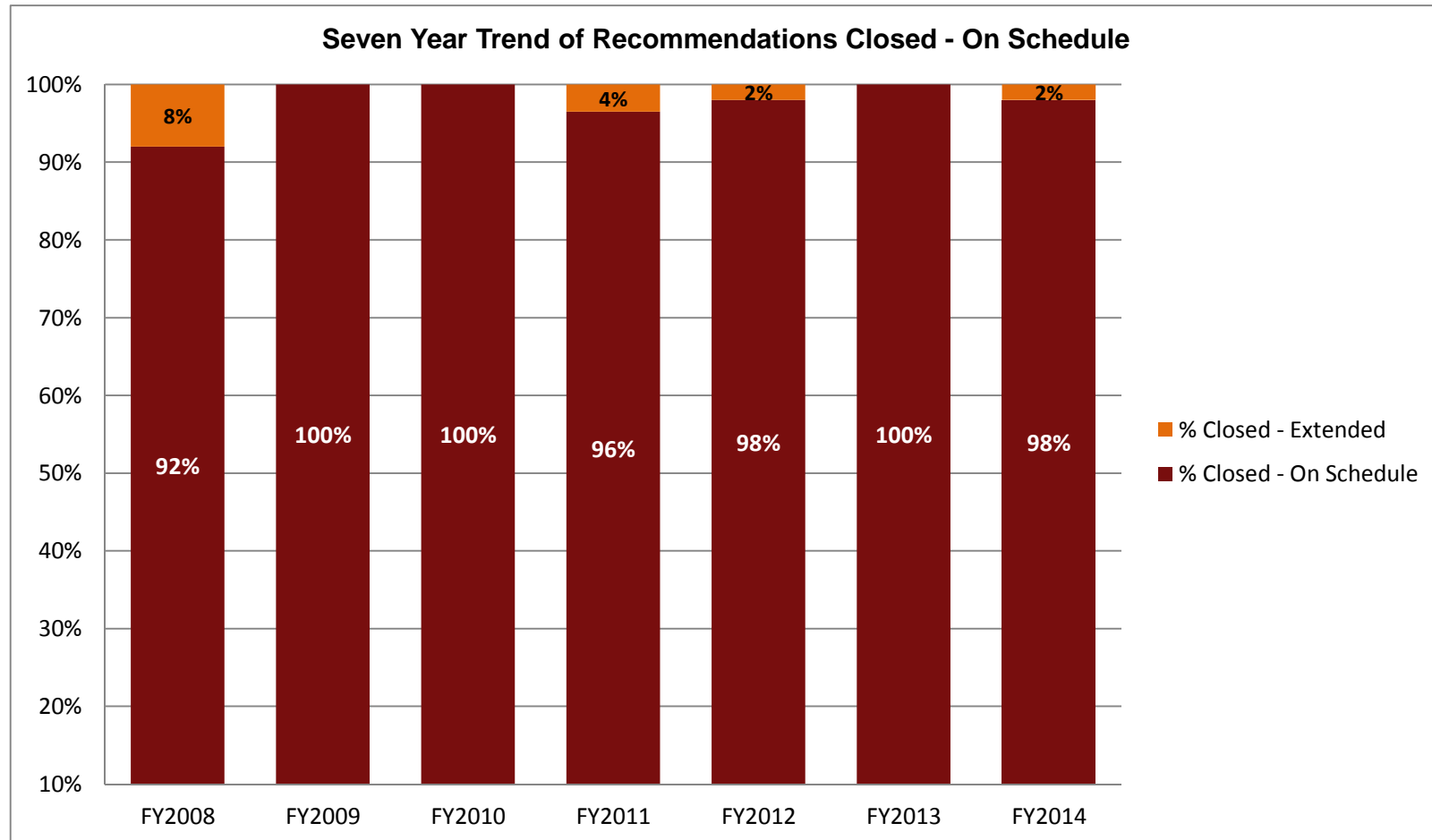
Internal Audit Department Annual Status Report
for the Fiscal Year Ended June 30, 2014

FINANCE AND AUDIT COMMITTEE

August 25, 2014

Mission Statement – Scope of Work

The mission of the Virginia Tech Department of Internal Audit is to provide independent, objective assurance and advisory services designed to add value and improve the university's operations. Additionally, Internal Audit helps university departments accomplish their objectives by bringing a systematic, disciplined approach to the identification of opportunities for improvement in the areas of risk management, internal control, efficiency, policy, and procedure.

Internal audit coverage encompasses reviews of all university operations and activities to appraise:

- the accuracy, reliability, and timeliness of significant financial, managerial, and operating information and the adequacy of the internal controls employed over the compilation and reporting of such information;
- compliance with policies, procedures, standards, laws, and regulations;
- appropriate identification and management of risk;
- measures taken to safeguard assets, including tests of existence and ownership;
- the adequacy, propriety, and cost-effectiveness of accounting, financial, and other controls throughout the university, as well as compliance therewith;
- measures taken to foster continuous improvement in control processes;
- whether university resources are being acquired, managed, and protected in an economical, efficient, and effective manner; and
- the achievement of programs, plans, and objectives.

Internal Audit reports functionally to the Finance and Audit Committee of the Board of Visitors. For day-to-day operations, the Director reports administratively to the President.

Executive Summary – State of Control Environment

The Internal Audit function continues to be a significant element of the university's overall control structure and a positive influence on the control environment. During fiscal year 2013-14, Internal Audit examined and tested the operations and systems of internal control within a number of university departments to assist management and the Board of Visitors in the discharge of their fiduciary responsibilities.

As a result of the audit, advisory service, and investigation work performed during fiscal year 2013-14, no deficiencies representing material control weaknesses were identified; however, a number of areas requiring improvement were noted. The scope of audit

work was not limited in any way by management or others, nor were there any instances where Internal Audit considered its independence or objectivity to have been impaired. Management and others were found to be conscientious, cognizant, and accepting of their responsibility for internal control, open and cooperative, and supportive of audit efforts. Management has generally accepted audit findings and responded by developing action plans that address the concerns included in report recommendations.

These statements are made with the understanding that no system of internal control provides absolute assurance that controls are functioning effectively. These statements are also not meant to imply that fraud and other irregularities do not exist or, if they do exist, are certain to be detected. Decisions as to the level of risk that is tolerable and should be accepted by the university are the responsibility of management. That said, based on the audit, advisory service, and investigation work performed during fiscal year 2013-14, Internal Audit did not identify any areas where management decided to accept a level of risk that we believed to be unacceptable.

Summary Observations – Audit Program

Audits were performed in accordance with the fiscal year 2013-14 annual audit plan at a level consistent with the resources of the Department of Internal Audit. Twenty-six audit projects on the fiscal year 2013-14 audit plan were completed. During the fiscal year, five additional projects were added to the audit plan at management's request. Due to personnel turnover, Internal Audit deferred the risk-based audit of the Institute for Society, Culture, and Environment. Additionally, in an effort to coordinate projects and improve efficiencies with the Auditor of Public Accounts (APA), the risk-based audit of IT: Banner Applications was cancelled due to its inclusion within an APA review. Seven audit projects were completed since the June board meeting.

For fiscal year 2013-14, Internal Audit completed 87 percent of its audit plan as depicted in Exhibit 1. Two risk-based audits (Conflicts of Interest and Commitment and Facilities Work Order System) and two advisory projects (Hume Center and Equine Medical Center) are currently underway. These projects will be carried forward into fiscal year 2014-15 due to personnel turnover and extended leave circumstances.

Exhibit 1
FY 2013-14 Completion of Audit Plan

Audits	
Total # of **Audits** Planned	26
Total # of Supplemental Audits	5
Total # of Carry Forwards	1
Total # of Planned **Audits** Canceled and/or Deferred	2
Total **Audits** in Plan as Amended	30
Total **Audits** Completed	26
Audits - Percentage Complete	87%
Note: Includes Compliance and Advisory Reviews	

Exhibit 2 displays the distribution of direct audit hours (71%) by category. The indirect hours for administration, computer/network support, training, and compensated absence hours (29%) are not included in this chart.

Exhibit 2
FY 2013-14 Distribution of Direct Audit Hours
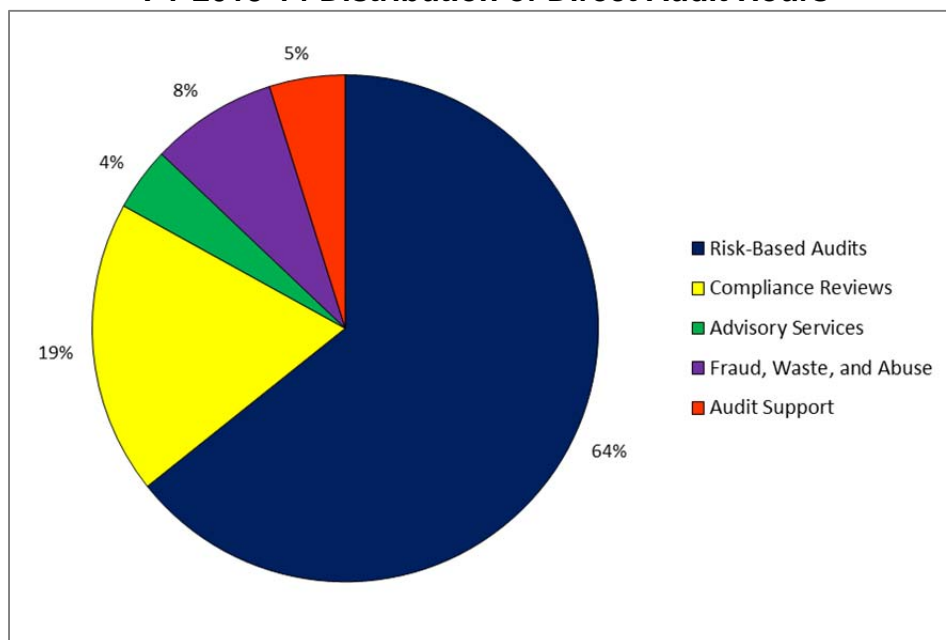
Exhibit 3 illustrates the difference between actual and planned hours during fiscal year 2013-14. The department refilled four position vacancies at varying times during the fiscal year resulting in increased effort in indirect, risk-based audit, and compliance review categories as the newly hired individuals were trained to understand university policies and the methods utilized by the department to conduct, review, and/or report the varying types of projects. Risk-based audit hours further exceeded the planned measure due to the complexity and extensiveness of several sensitive audit topics, which involved personnel matters and potential security vulnerabilities. While five advisory service reviews were conducted, the refocused effort to other audit categories resulted in transference away from this area. The overall effort spent on fraud, waste, and abuse investigations was less than anticipated as the number of cases received decreased from projections based on historical tendencies. Additionally, indirect effort exceeded its planned amount as three staff members were on extended leave at various points throughout the fiscal year due to family/personal reasons.

Exhibit 3
FY 2013-14 Actual vs. Planned Hours
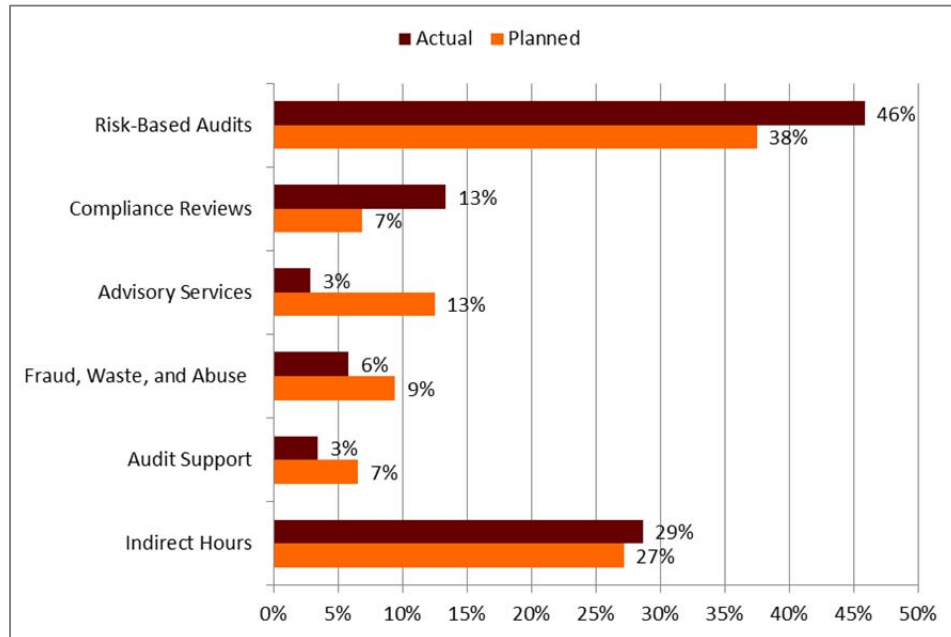
Exhibit 4 below displays the status of the fiscal year 2013-14 audit plan as amended. All compliance review projects have been completed, while two risk-based audits are in progress and will be carried forward to the fiscal year 2014-15 audit plan.

Exhibit 4
FY 2013-14 Audit Plan Status

Audit Project	Risk Ranking	BOV Mtg
Risk-Based Audits		
Aerospace and Ocean Engineering	High	Mar-14
Athletics: Operations *	High	Sep-14
Computer Science	High	Mar-14
Conflicts of Interest and Commitment	High	*Carry Forward*
Continuing and Professional Education	High	Jun-14
Human Resources: Hiring and Termination *	High	Sep-14
IT: Banner Applications	High	*Cancelled*
IT: External Data Interfaces and Wire Transfers	High	Nov-13
IT: PCI Compliance	High	Mar-14
IT: Windows Server Security	High	Sep-14
Procurement and Accounts Payable	High	Jun-14
Research: BioSafety *	High	Nov-13
Student Residency Status	High	Nov-13
University Scholarships and Financial Aid *	High	Sep-14

Presentation Date: September 15, 2014

Audit Project	Risk Ranking	BOV Mtg
Alson H. Smith Jr. and Middleburg ARECs	Medium	Mar-14
Facilities Work Order System	Medium	*Carry Forward*
Fleet and Parking Services	Medium	Mar-14
Housing and Residence Life	Medium	Nov-13
Human Development	Medium	Jun-14
IT: Wi-Fi Infrastructure Security	Medium	Sep-14
Real Estate Management	Medium	Mar-14
Institute for Society, Culture, and Environment	Low	*Deferred*
Compliance Reviews		
College of Agriculture and Life Sciences		Mar-14
College of Natural Resources		Nov-13
Vice President and Dean for Graduate Education		Sep-14
Vice President for Diversity and Inclusion		Mar-14
Vice President for Student Affairs		Sep-14
*Annual Audit on Different Components		

Additionally, Internal Audit responded to management's requests for advisory services and consultative guidance for the College of Engineering, the Department of Mechanical Engineering, the Hume Center (2), and the Equine Medical Center.

Management Corrective Actions (MCAs)

Internal Audit conducts follow-up on management's implementation of agreed upon improvements for dozens of previously issued audit recommendations. Each audit recommendation and its associated MCA is given a rating of high, medium, or low priority by the auditors and management; however, if a central administration or university-wide MCA is identified, no rating is attached. This judgment is made in a local context, and items identified as high do not necessarily convey material deficiencies or risks beyond the operating environment in which found. A primary objective of this classification is to drive a greater sense of urgency in completing the corrective action and completion of audit follow-up. The Finance and Audit Committee receives the higher priority recommendations and associated MCAs. However, Internal Audit and management closely monitor all outstanding recommendations to ensure they are adequately addressed by the responsible parties.

Of the 133 MCAs generated during audits issued in fiscal year 2013-14, Internal Audit categorized 18 as high priority (14%). High-priority MCAs would include those that are systemic or have a broad impact; have contributed to a significant investigation finding; are reportable conditions under professional literature; create health or safety concerns; involve senior officials; create exposures to fines, penalties, or refunds; or are otherwise judged as significant control issues. Open MCAs at fiscal year-end have been outstanding an average of 221 days and are on track for completion. Audits for fiscal

year 2013-14 resulted in recommendations with ratings of High, Medium, or Low MCAs as follows:

Exhibit 5
Inventory of MCAs

Beginning # of MCAs	50
MCAs added	133
MCAs closed	<u>130</u>
Current open inventory of MCAs	53

Note: The open inventory above includes 21 open MCAs from the reports presented to the Finance and Audit Committee at this September meeting. Additionally, 16 of the 53 open MCAs are categorized as either low-priority recommendations or observations for central administration identified during audits that are excluded from status reports of previously issued recommendations shared with the Finance and Audit Committee.

Cost Containment and Revenue Enhancement Recommendations

Internal Audit emphasized the identification of cost containment and revenue enhancement strategies in the performance of audit activities. Internal Audit issued the following recommendations to management to assist with cost containment or revenue enhancement strategies:

- <u>Student Residency Status</u> – A recommendation to assess the development of a residency monitoring program for continuing undergraduate students was issued to the Office of the Vice Provost for Enrollment and Degree Management. By improving the oversight and monitoring of student residency status changes, the university can help ensure proper revenue from out-of-state students. Although approximately 200 students warranted further review to determine the appropriateness of residency status, an Attorney General opinion issued after the audit mitigated the concerns.

- <u>Housing and Residence Life</u> – Internal Audit noted that a summer camp was undercharged due to an inaccuracy of payment calculations. A recommendation was issued and management developed procedures to ensure that future costs are correctly calculated and communicated.

- <u>Fleet and Parking Services</u> – A recommendation was issued to improve controls for cash handling in an effort to help ensure accountability of funds from the time of sale until deposit. Another recommendation to establish internal guidelines and procedures for appropriate handling of voided citations was issued to management in an effort to reduce the likelihood that inappropriate voids may occur and further ensure full collection of outstanding citation balances. Finally, a recommendation to ensure utilization of the standardized refund process was issued to help eliminate subjectivity in determining refund amounts.

- Real Estate Management – A recommendation was issued noting the incomplete lease portfolio and inaccurate payments. Another recommendation was issued as a result of inadequate documentation of lease amendments, resulting in issues with timeliness, accuracy, proper approval, and allowability of costs. Additionally, a recommendation was issued related to the timeliness of lease terminations to ensure unnecessary costs are avoided.

- Windows Server Security – The absence of full stakeholder risk analysis during the consideration of IT space needs for new construction or large renovation projects was noted and may lead to higher costs to the university over the life of a building. A recommendation was issued, as evaluation of present and near-term IT needs during the planning and design phases of new construction projects and large-scale renovations should be a priority to select the best available option for the stakeholder(s), and to avoid future costs of converting existing space into server rooms.

- Compliance Reviews – Internal Audit issued recommendations related to improving the accuracy of leave and overtime compensation calculations that had resulted in overcompensating employees. Additionally, recommendations related to improving compliance with university policy and procedure governing purchases made with Corporate Purchasing Cards that had resulted in erroneous or inappropriate expenditures.

Recurring Audit Issues

The same or similar issues noted below were identified in multiple audit reports issued in fiscal year 2013-14. The data in Exhibit 6 will be shared with leadership in the appropriate administrative departments so that they can establish education and/or monitoring programs that will reduce the recurrence of these issues in future years.

Exhibit 6
Recurring Audit Recommendations

Recommendation	Occurrences	Audits
Documentation and Communication of Policies and Procedures	9	AHS Jr. and Middleburg ARECs CALS Fleet and Parking Services (3) HD PCI Compliance Windows Server Security Research: Biosafety
Funds Handling	7	AHS Jr. and Middleburg ARECs CALS CNRE Computer Science Fleet and Parking Services VPDI VPSA

Recommendation	Occurrences	Audits
IT: Logical Access	**7**	Athletics: Operations Computer Science External Data Interfaces and Wire Transfers (2) HR: Hiring and Termination PCI Compliance Real Estate Management
IT: Storage, Security, Transmittal, and Use of Electronic Sensitive Data	**7**	CALS External Data Interfaces and Wire Transfers (4) PCI Compliance (2)
Regulatory Non-Compliance	**6**	HR: Hiring and Termination PCI Compliance (4) Research: Biosafety
Fiscal Responsibility	**5**	AHS Jr. and Middleburg ARECs CALS CNRE Real Estate Management Vice President for Student Affairs
Expenditures	**4**	CALS CNRE VPDI VPSA
Health and Safety Training	**4**	AOE AHS Jr. and Middleburg ARECs (2) Research: Biosafety
IT: Security	**4**	Computer Science Wi-Fi Infrastructure Security Windows Server Security (2)
Sponsored Projects Administration	**4**	AHS Jr. and Middleburg ARECs Computer Science CPE Real Estate Management

Results of Surveys for Evaluating Internal Audit Services

Each audit and compliance review management contact is e-mailed a link to an online survey requesting their assistance in evaluating the quality of audit services provided by Internal Audit. Feedback from the surveys is used to enhance the overall quality of university audits. The survey responses are grouped into three categories focused on the following areas:

Audit Report — Written clearly and contained adequate explanations for the observations, and recommendations improved or added value to the department's operation;

Audit Performance — Discussed the preliminary audit objectives, scope, and timing of the audit, management concerns and suggestions were solicited and considered in the audit, and disruption of daily activities was minimized as much as possible during the audit;

Audit Team   Demonstrated technical proficiency, approached audit with objective and professional manner, and conclusions and opinions were logical.

Exhibit 7
Results of FY 2013-14 Surveys for Evaluating Internal Audit Services
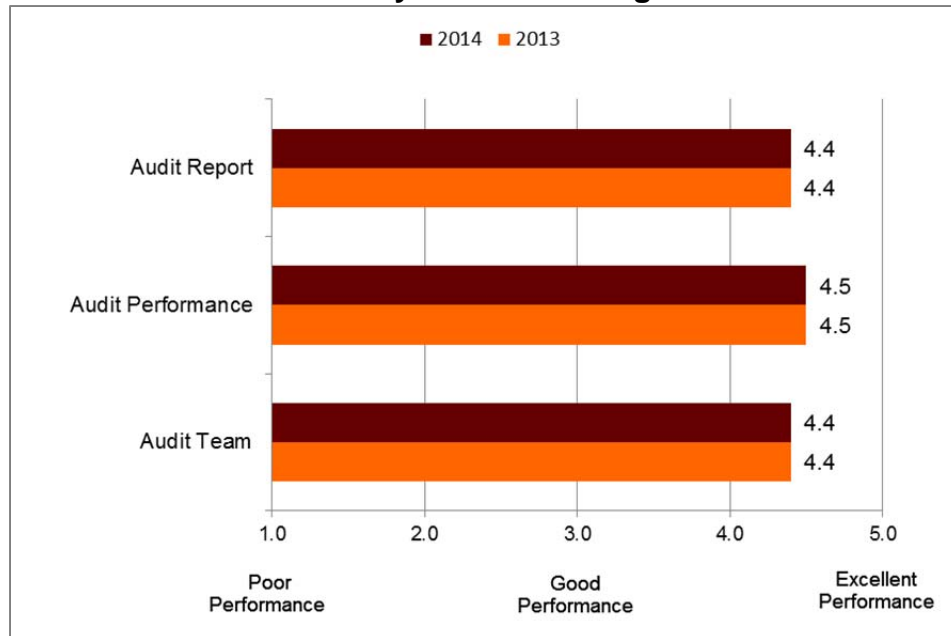
Overall customer ratings were highly favorable as overall results fell between excellent and good performance. Attaining a cumulative average score of 4.4 on a 5-point scale exceeded Internal Audit's goal of a 4.0 rating on survey feedback. Comments provided by clients showed appreciation of the audit process, the communication during the audit, or the professionalism and competency demonstrated by the audit team. Survey respondents recommended improvements in timing of audit projects, and enhancing the familiarization with client backgrounds and business processes. Another respondent noted that the audit process resulted in a greater recognition of the need for consistency and communication amongst university organizations.

Fraud Waste and Abuse

Internal Audit conducts reviews of all state hotline and internal complaints alleging fraud, waste, and abuse. During fiscal year 2013-14, Internal Audit received 19 cases, seven state hotline and 12 internal complaints. Twelve cases from fiscal year 2013-14 were closed, along with five cases from fiscal year 2012-13. For the 17 cases completed, 2 of 9 (22%) hotline cases were substantiated and 7 of 8 (88%) internally reported cases were substantiated. While approximately 55 percent of internally reported fraud, waste, and abuse allegations have historically been substantiated, only 26 percent of state hotline cases have historically been substantiated for a combined average of 39 percent since 2004-05.

Internal Audit makes recommendations of improvements related to business practices, communication, and management that improve the overall operating environment of Virginia Tech. Historically for the past 10 years, Internal Audit made recommendations in 89 percent of substantiated cases. In cases where there is insufficient evidence for fraud, waste, and abuse, Internal Audit still made recommendations in 24 percent of cases. Overall, on average, Internal Audit made recommendations in 49 percent of cases.

While the fraud, waste, and abuse caseload increased over the first half of the past ten-year span, attributable most likely to recessionary effects, the last five years have seen a downward trend in quantity. The number of reported cases is now consistent with levels last experienced in fiscal year 2002-03. Since fiscal year 2004-05, 75 percent of the allegations investigated by Internal Audit fall within five general categories: leave or time abuse, abuse of authority, improper use of university resources, conflict of interest, or theft or embezzlement.

Exhibit 8 displays the number of fraud, waste, and abuse reviews performed for hotline and internal complaints for fiscal years 2004-05 through 2013-14, the number of substantiated cases, and the number of cases with recommendations for management.

Exhibit 8
Fraud, Waste, and Abuse
Case Volume Summary by Fiscal Year
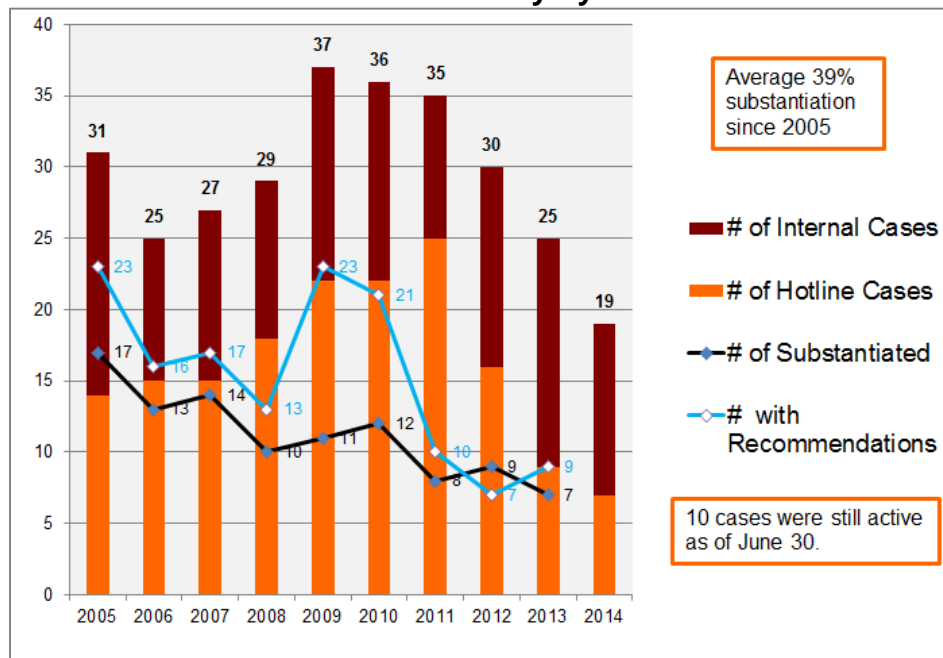
Staffing / Resources

Internal Audit entered fiscal year 2013-14 staffed with a Director, Associate Director, Assistant Director, seven auditors, a Coordinator of Administrative Operations, one Graduate Assistant, a part-time wage Senior Fraud Specialist, and an undergraduate student wage worker. During the year, an Audit Manager, three Staff Auditors, and an Undergraduate Student Wage Worker were hired due to personnel turnover. At fiscal-year

end, a search was underway for an Audit Manager due to another vacancy. Exhibit 9 shows the Department of Internal Audit organizational chart.

Exhibit 9
Internal Audit Organizational Chart
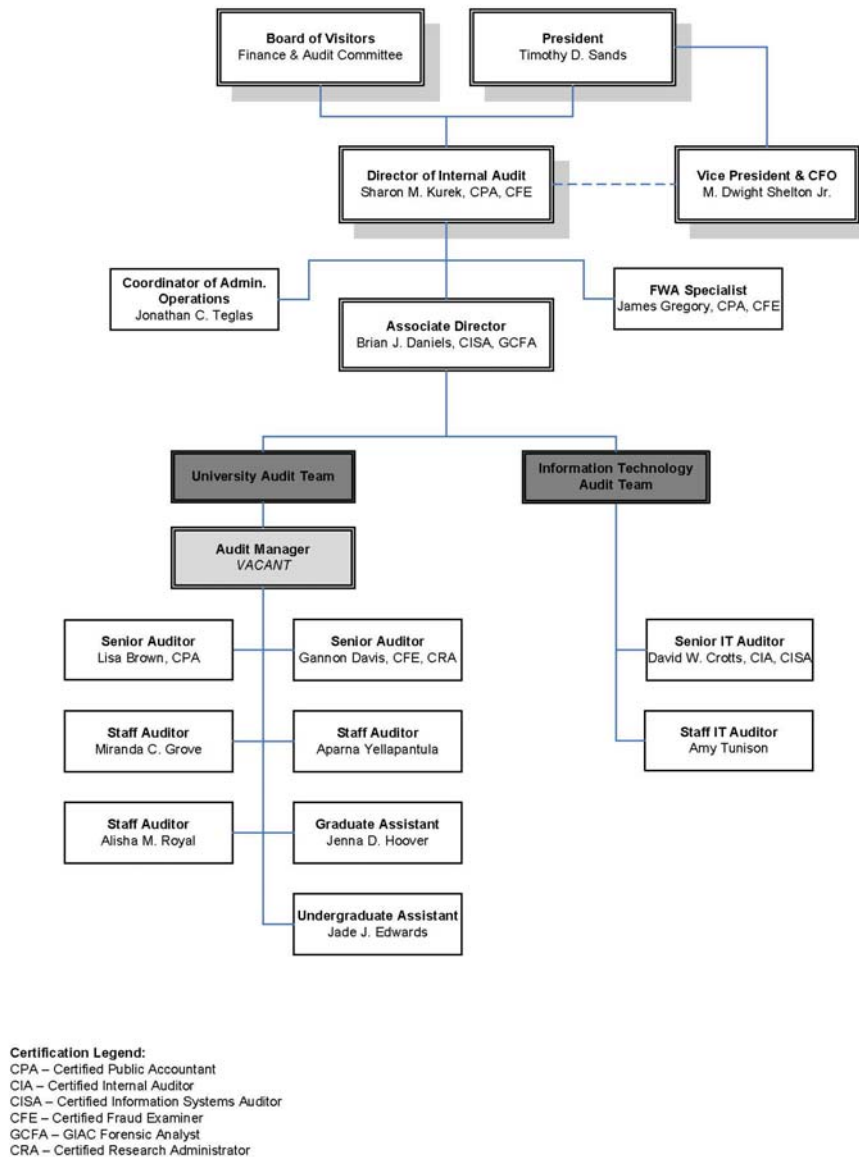
Aparna Yellapantula, Staff Auditor, completed a temporary, four-month consultative assignment within the Office of Enrollment and Degree Management. Ms. Yellapantula was specifically requested for the position during a leadership transition due to her expertise in assessing the overall control environment in University Scholarships and Financial Aid. During her assignment, she reported directly to the Vice Provost for Enrollment and Degree Management.

Amy M. Tunison, Staff IT Auditor, passed the Certified Information Systems Auditor (CISA) exam, scoring in the top 5 percent of those testing. Once experience requirements are fulfilled, her designation will be granted.

David W. Crotts was promoted to Senior IT Auditor and achieved the Certified Internal Auditor (CIA) designation in December 2013. Mr. Crotts also participated in ACUA Leads!, a year-long national leadership program providing a framework to develop leadership skills, including communication, strategic planning, performance management, self-awareness, and innovative problem solving.

Brian J. Daniels, Associate Director of Internal Audit, participated along with peer institutions through the Virginia Alliance for Secure Computing and Networking (VASCAN) group in an effort to plan and organize their annual fall conference aimed at improving information security in the higher education arena within the commonwealth. Mr. Daniels completed the three-year long College Business Management Institute, which is an intensive course of study in business and financial management for administrators of colleges and universities.

Sharon M. Kurek, Director of Internal Audit, remained an active participant in the Association of College and University Auditors (ACUA), serving as a committee chairman and invited speaker at the national 2013 annual ACUA conference in Norfolk, VA. In accordance with the five-year senior leadership review required by the university, Ms. Kurek participated in an intensive five-day professional development program focused on strategic leadership. The program provided preparation and tools to apply new leadership skills to more effectively align and execute strategy.

Internal Audit staff has approximately 145 years of combined professional experience in accounting, auditing, and IT and over 60 years of service to Virginia Tech. Our staff offers an extensive background with expertise in such functional areas as IT; fraud and forensic; environmental, health, and safety; NCAA bylaws; financial aid; research regulations; and general financial, compliance, and operational auditing. Exhibit 10 shows the certifications and advanced degrees held by Internal Audit staff.

Exhibit 10
Certification and Advanced Degrees held by Internal Audit

Certification and Advanced Degrees
Professional Certifications
3 Certified Public Accountants (CPA)
3 Certified Fraud Examiners (CFE)
2 Certified Information Systems Auditor (CISA)
1 Certified Internal Auditor (CIA)
1 Certified Forensics Analyst (GCFA)
1 Certified Research Administrator (CRA)
Advanced Degrees
2 Master of Business Administration (MBA)
1 Master of Education (MEd)

To further develop the audit staff's professional skills, Exhibit 11 illustrates the types of continuing professional education (CPEs) that staff participated in during fiscal year 2013-14. Internal Audit ensures each staff member annually receives 40 hours of CPEs to meet professional certification requirements. On average this fiscal year, staff members completed 61 hours of CPEs. Additionally, the department hosted the annual College and University Auditors of Virginia conference, securing a number of high-profile speakers in which a total of 75 statewide audit professionals representing 15 Virginia institutions, both public and private, attended.

Exhibit 11
FY 2013-14 Professional Development

Type of Training	Number of CPEs
Higher Education	213
Auditing	136
IT Security	83
Personal Development	78
Fraud and Investigations	60
Ethics	38
Management	37
Specialized Knowledge and Applications	28
IT Auditing	24
Accounting	23
Management Advisory Services	8

Exhibit 12 illustrates the allocation of effort by position. The higher administrative percentage for management is due to time spent managing the office, personnel, and constituent relations. The IT audit staff has a higher administrative percentage due to computer and network support. The Fraud Specialist is employed without benefits (compensated absences), hired specifically to focus on investigative matters.

Exhibit 12
Allocation of Effort by Position

	Number of Audit Professionals	Direct Audit	Audit Support	Administrative, Training, Computer/Network Support	Compensated Absences
Management	3	33%	24%	33%	9%
IT Audit Staff	2	57%	7%	18%	17%
Operational Audit Staff	6	70%	2%	10%	18%
Fraud Specialist	1	94%	1%	5%	0%
Blended Average	12	58%	9%	18%	14%

Exhibit 13 compares Internal Audit's expenditures from fiscal year 2012-13 with expenditures for fiscal year 2013-14. The expenditures for salaries and benefits increased due to the statewide pay raise in July 2013. Training costs were slightly higher in fiscal year 2013-14 and is directly attributable to a departmental goal to provide functional, yet quality staff-wide professional education, and training costs associated with the four newly hired employees. Operating expenses decreased due in large part to new purchases related to the North End Center transition in the prior fiscal year. Equipment expenses increased slightly as the department purchased new computer devices and electronic office equipment to assist in fraud, waste, and abuse investigations. Audit software expenses in fiscal year 2013-14 were slightly higher as license renewal fees increased. A new line item was introduced this fiscal year for leadership development and assessment for the Director of Internal Audit's aforementioned five-year senior leadership review required by the university; however, expenses were reimbursed by the Vice President for Finance and Chief Financial Officer. The decrease in expenditures for outsourced audit services is due to the conclusion of the specialized project that crossed into this fiscal year. Personnel expenses in both years were attributable to recruitment and relocation costs of departmental staff members.

Exhibit 13
Analysis of Expenditures

	FY 2012-13	FY 2013-14
Salaries and Benefits	$1,010,928.20	$1,015,804.32
Training	42,607.53	44,738.25
Operating Expenses	39,258.18	29,895.40
Equipment	12,258.00	14,652.46
Audit Software	12,919.95	13,430.00
Leadership Development and Assessment	-	9,275.44
Outsourced Audit Services	72,310.69	4,776.88
Personnel Expenses	1,846.27	4,305.85
Total	$1,192,128.82	$1,136,878.60

Exhibit 14 shows an analysis of operating expenses. Over 65 percent of operating expenses resulted from basic costs to support the department including telecommunications, computer support, office supplies, and printing. Travel expenses for off-site audits will remain an ongoing cost as audit effort will continue to be dedicated to activity outside of Blacksburg.

Exhibit 14
Analysis of Operating Expenses
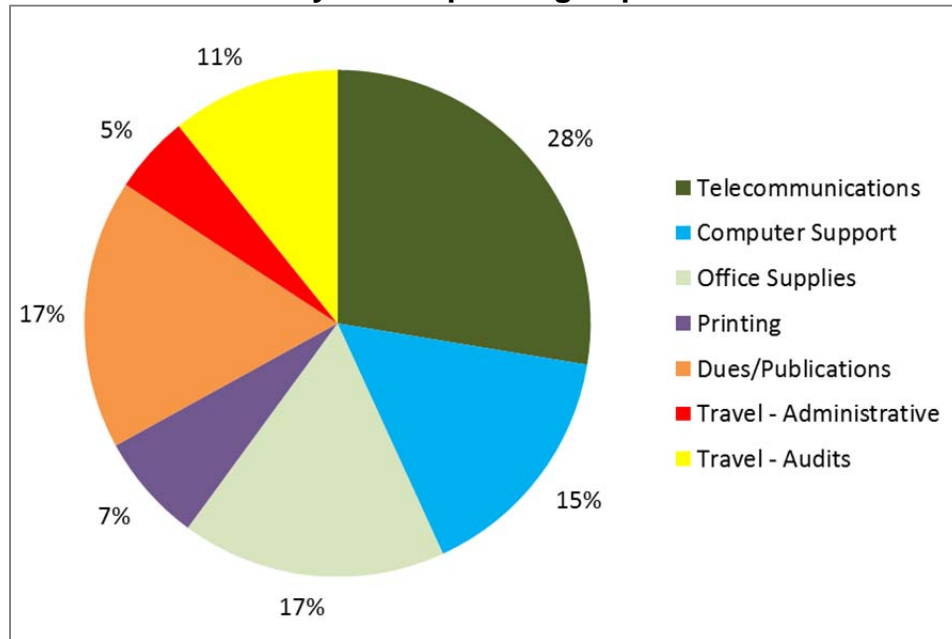
Internal Audit

Annual Update

September 15, 2014

Mission Statement

- Provide independent, objective assurance and advisory services designed to add value and improve the university's operations

- Help university departments accomplish their objectives by bringing a systematic, disciplined approach to identify opportunities for improvement

State of Control Environment

- Internal Audit Program

  - Significant element of the university's overall control structure

  - Positive influence on the control environment

  - Assist management and the BOV in the discharge of their fiduciary responsibilities

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State of Control Environment

- No material control weaknesses were identified; however, a number of areas requiring improvement were noted

- Work was not limited by management

- Independence/objectivity was not impaired

State of Control Environment

- Management accepts their responsibility for internal control and is supportive of audit efforts

- Management generally accepts audit findings and responds by developing action plans to address concerns

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Exh. 1: FY 2013-14
Completion of Audit Plan

Audits	
Total # of **Audits** Planned	26
Total # of Supplemental Audits	5
Total # of Carry Forwards	1
Total # of Planned **Audits** Canceled and/or Deferred	2
Total **Audits** in Plan as Amended	30
Total **Audits** Completed	26
Audits - Percentage Complete	87%
Note: Includes Compliance and Advisory Reviews	

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Exh. 2: Distribution of Direct Audit Hours
(Excludes Indirect Hours for Administration, Training, Leave, and Computer Support)

5%

8%

4%

19%

64%

- Risk-Based Audits
- Compliance Reviews
- Advisory Services
- Fraud, Waste, and Abuse
- Audit Support
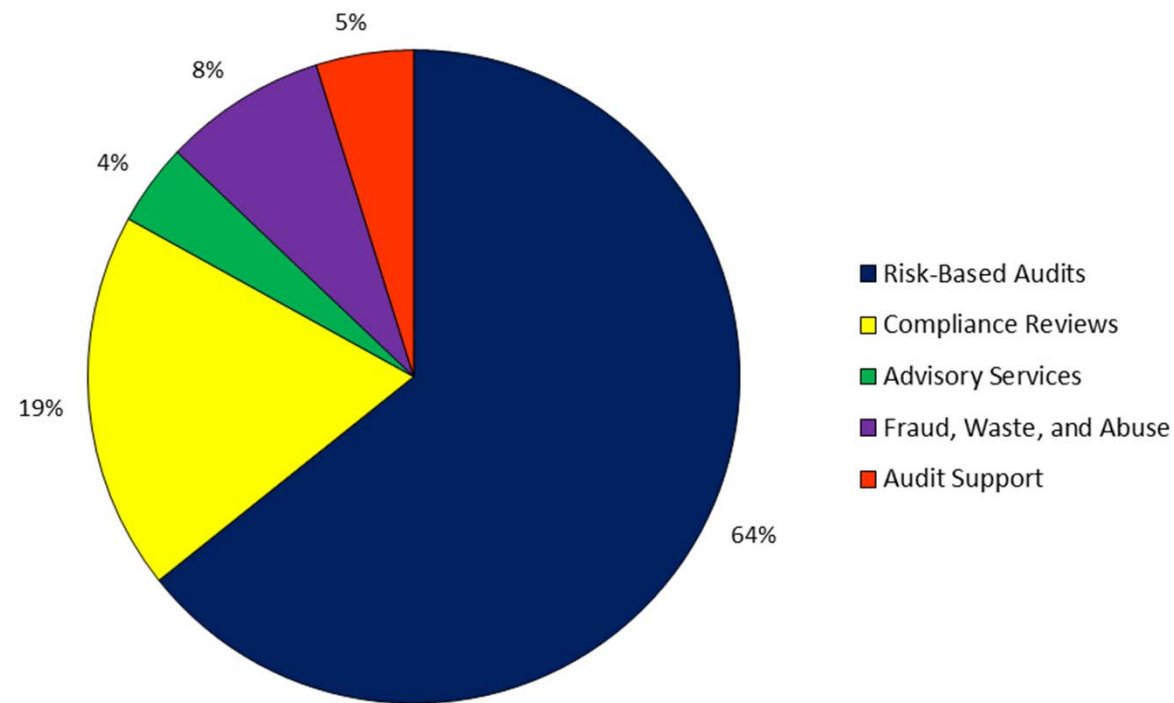
Exh. 3: FY 2014 Actual vs. Planned Hours
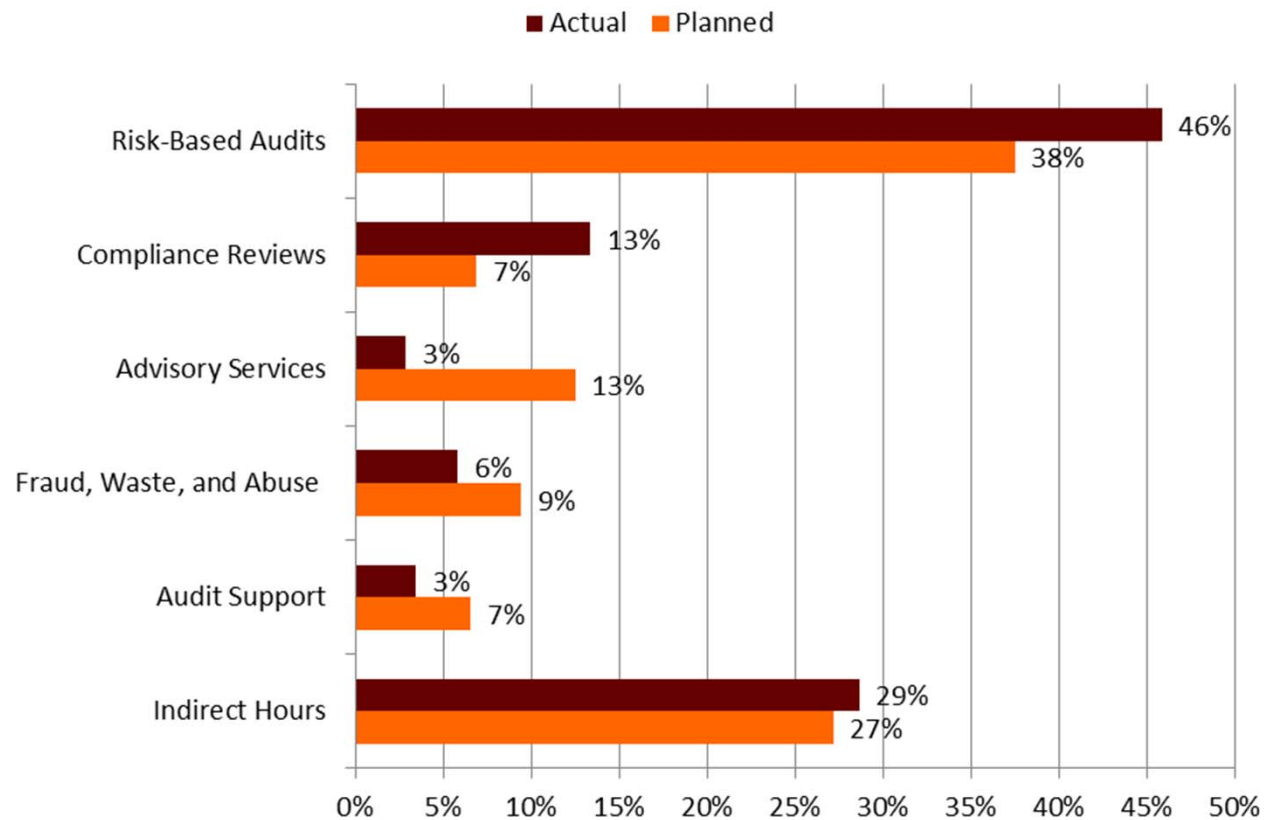
Management Corrective Actions (MCAs)

- Each audit recommendation and its associated MCA is rated high, medium, or low priority

- A primary objective of this classification is to drive a greater sense of urgency in completing the corrective action and completion of audit follow-up

- The Finance and Audit Committee receives the higher priority recommendations and associated MCAs

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Exh. 5: Inventory of MCAs

Beginning # of MCAs	50
MCAs added	133
MCAs closed	130
Current open inventory of MCAs	53

Recommendations for Containing Costs

- **Student Residency Status –** Monitoring of residency changes

- **Housing and Residence Life –** Summer camp billing

- **Fleet and Parking Services –** Funds handling accountability, voiding citations, and standardizing refunds

- **Real Estate Management –** Lease portfolio, amendments, and terminations impacting accuracy of payments

- **Windows Server Security –** Initial design of server rooms

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Exh. 6: Recurring Audit Issues

Recommendation	Occurrences
Documentation and Communication of Policies and Procedures	9
Funds Handling	7
IT: Logical Access	7
IT: Storage, Security, Transmittal, and Use of Electronic Sensitive Data	7
Regulatory Non-Compliance	6
Fiscal Responsibility	5
Expenditures	4
Health and Safety Training	4
IT: Security	4
Sponsored Projects Administration	4

Exh. 7: Survey Results
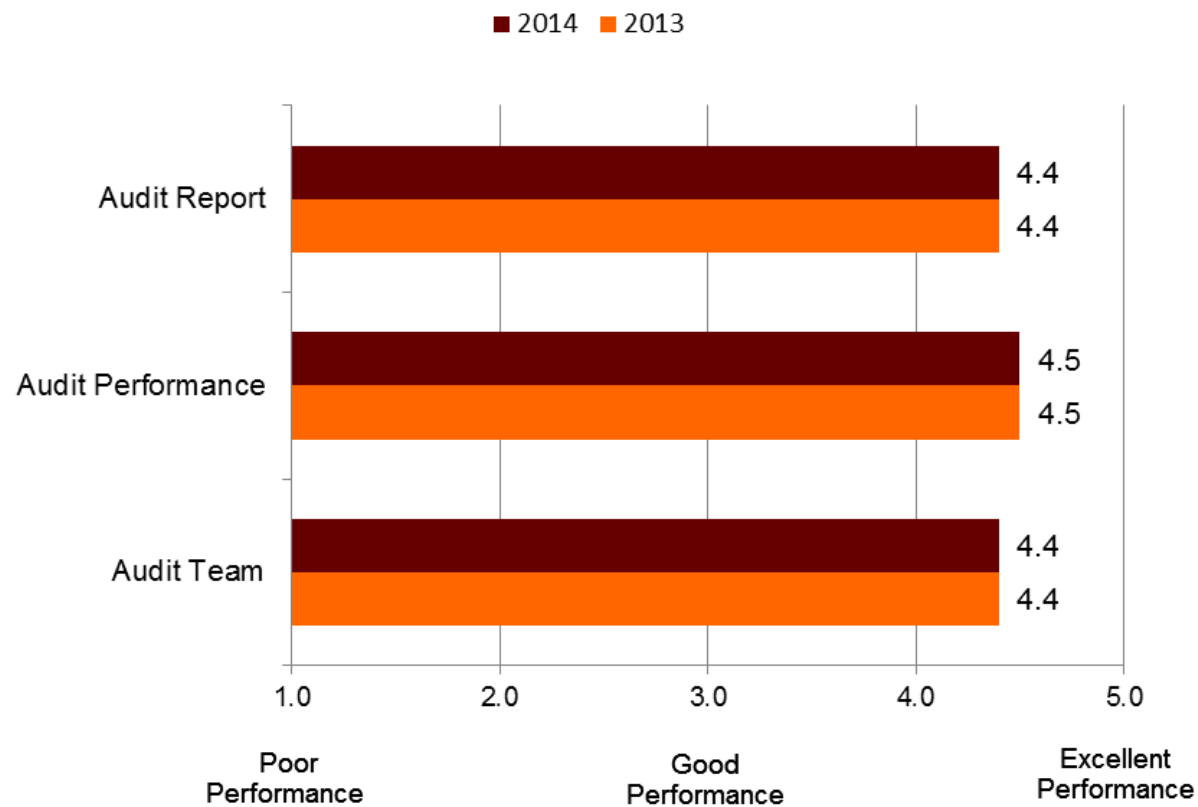
Survey Comments

- 18 comments from respondents

  - Overall – Appreciated the audit process, the communication during the audit, or the professionalism and competence demonstrated by the audit team.

  - 2 – Recommended improvements

    - ➤ Timing of audit projects

    - ➤ Enhancing the familiarization with client backgrounds and business processes

Fraud, Waste, and Abuse (FWA)

- Received 19 cases in FY 2013-14

- Closed 12 from FY 2013-14

- Closed 5 from FY 2012-13

- For the 17 completed:

  - 2 of 9 (22%) of hotline cases were substantiated

  - 7 of 8 (88%) of internally reported cases were substantiated

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Exh. 8: FWA Case Volume Summary
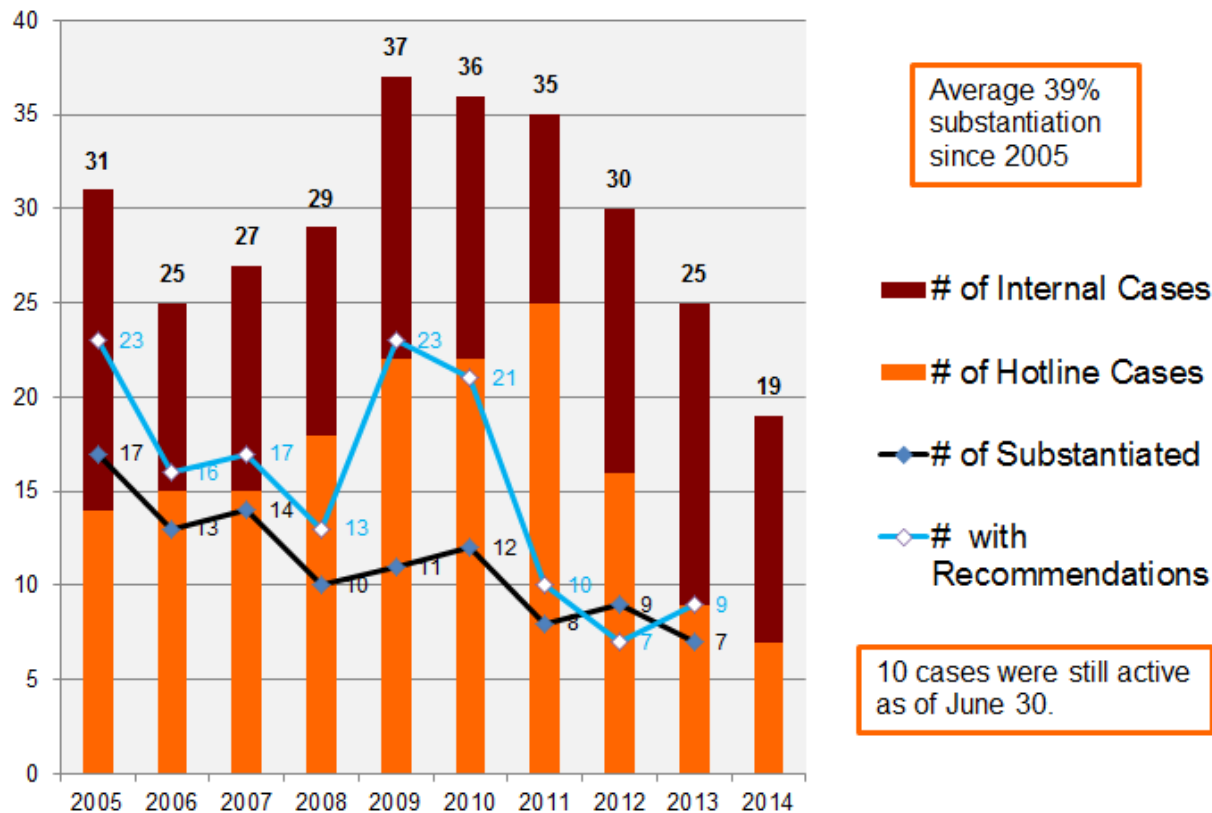
Fraud, Waste, and Abuse (FWA)

- 75% of allegations fall within five general categories:

  - Leave or time abuse

  - Abuse of authority

  - Improper use of university resources

  - Conflict of interest

  - Theft or embezzlement

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Exh. 9: Organizational Chart
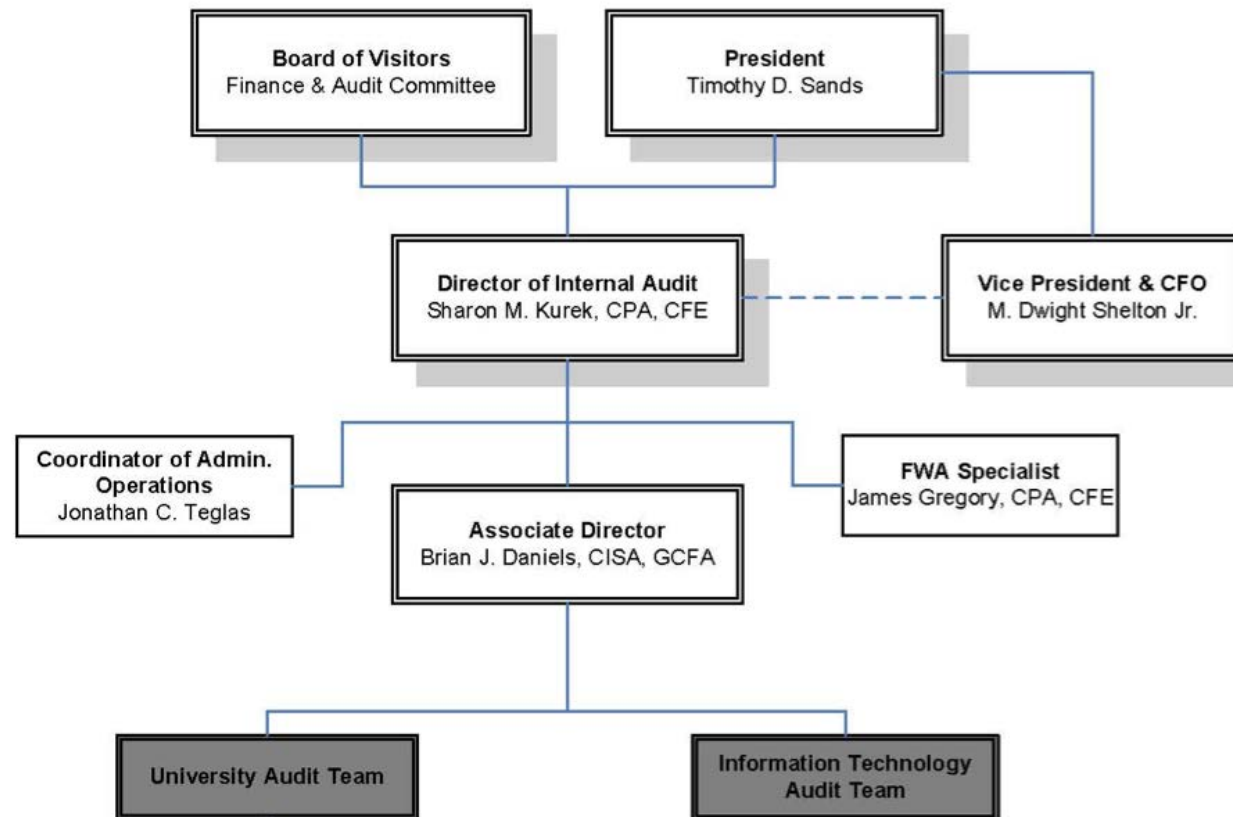
Internal Audit Staff Experience

- Combined 145 years of professional experience in accounting, auditing, and information technology

- Combined 60 years of service to Virginia Tech

Internal Audit Staff Achievements

- **Aparna Yellapantula,** Staff Auditor, completed a temporary, four-month consultative assignment for financial aid expertise

- **Amy M. Tunison,** Staff IT Auditor, passed the Certified Information Systems Auditor exam (top 5%)

- **David W. Crotts,** Senior IT Auditor, earned Certified Internal Auditor designation and completed ACUA Leads! Program

- **Brian J. Daniels,** Associate Director, completed the three-year long College Business Management Institute

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Exh. 10: Staff Education

Certification and Advanced Degrees	
Professional Certifications	
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Exh. 11: Staff Professional Development

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Exh. 12: Allocation of Effort by Position

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Personnel Expenses	1,846.27	4,305.85
Total	**$1,192,128.82**	**$1,136,878.60**

Exh. 14: Operating Expenses

11%

5%

28%

15%

17%

7%

17%

- Telecommunications
- Computer Support
- Office Supplies
- Printing
- Dues/Publications
- Travel - Administrative
- Travel - Audits
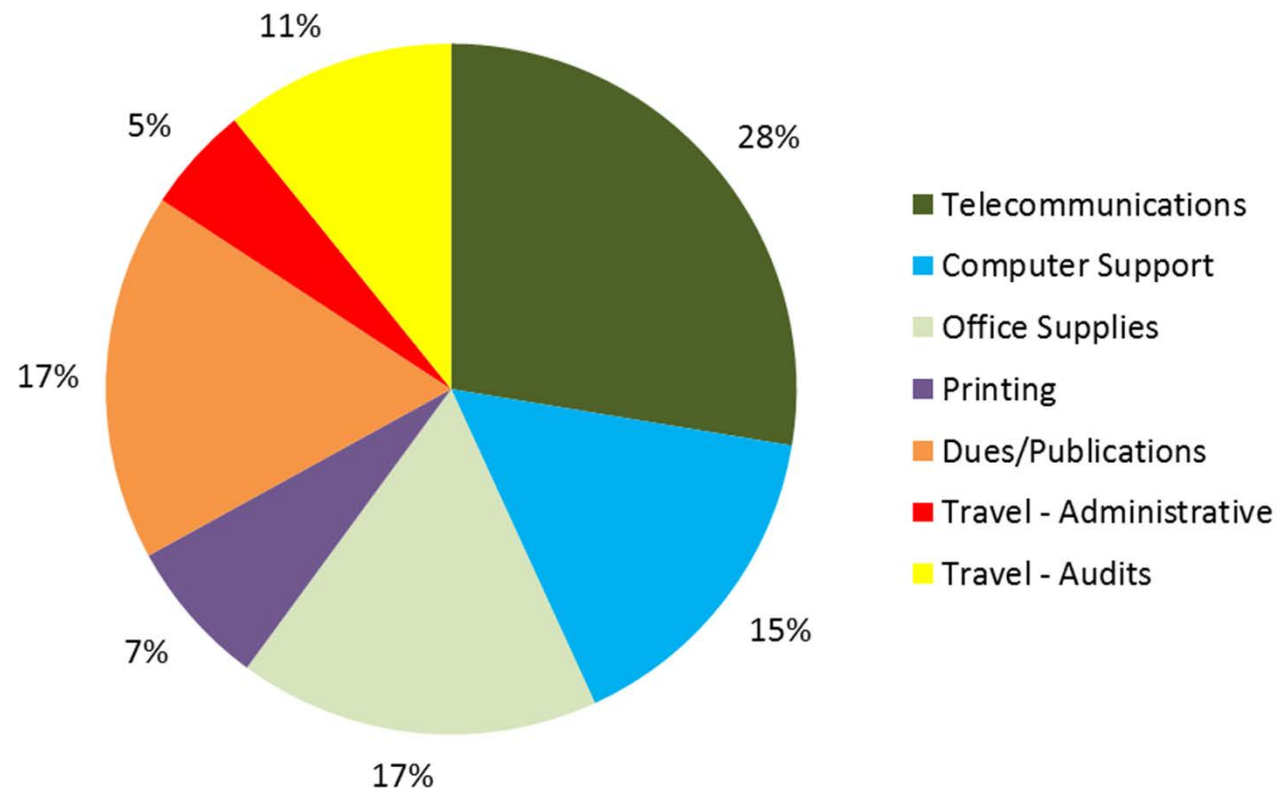
Internal Audit Proposed Audit Plan for Fiscal Year 2014-15

FINANCE AND AUDIT COMMITTEE

August 5, 2014

Internal Audit presents the fiscal year 2014-15 audit plan to the Finance and Audit Committee for approval. Internal Audit is not necessarily expecting to be able to fully complete its ambitious plan for the year, but continually strives for productivity gains.

Internal Audit management conducted its annual risk assessment to identify the entities that should receive audit attention in fiscal year 2014-15. Senior management had the opportunity to provide input on areas for consideration in the preparation of the audit plan. Additionally, a five-year core audit plan was developed to ensure Internal Audit provides adequate coverage related to the university's critical areas. See the Proposed Five-Year Core Audit Plan on Schedule 4. The Core Audit Plan includes several multi-year audits that will allow for annual reviews of selected components of the entities with high external compliance risk and complex operations. These entities are University Scholarships and Financial Aid, Research, Human Resources, and Intercollegiate Athletics.

Internal Audit also created a university-wide information technology (IT) risk assessment and audit plan document mapped to the ISO 27002 standard, an information security standard published by the International Organization for Standardization (ISO) that is considered to be a best practice for developing and maintaining enterprise-wide IT security. Internal Audit consulted IT senior management during the development of the assessment and plan document to ensure that audit coverage was maximized and properly targeted. See the Proposed Five-Year Core Audit Plan on Schedule 5. The Core Information Technology Plan includes audits that are topical in nature and each audit will include coverage of the four high-level risk domains that were identified during the risk assessment. These domains are: student systems, finance and administrative systems, human resource systems, and research systems.

Given existing resources, an estimated 12,740 direct hours will be devoted to audits, planning and reviews (Schedule 1). Based on the risk assessment and feedback from management, the proposed audit plan (Schedule 2) includes a balance of high and medium risk entities and compliance reviews (Schedule 3). A description of the preliminary audit scope for projects on the fiscal year 2014-15 plan is detailed in Schedule 6. Internal Audit's goal is to complete 85 percent of the audit plan. The proposed audit plan may be modified based on the external audit environment or changes in regulations, management, or resources.

RECOMMENDATION:

That the fiscal year 2014-15 proposed audit plan be accepted by the Finance and Audit Committee.

AUDIT PERSONNEL AVAILABLE HOURS FOR FISCAL YEAR 2014-15

Sources of Effort Available:	No. of Employees	Annual Hours	Total Hours	Percent Of Effort
Audit Staff	7	2,080	14,560	83.97%
Wage Auditor	1	1,500	1,500	8.65%
Graduate Assistant / Student Worker	2	640	1,280	7.38%
Total Available - Fully Staffed	**10**		**17,340**	**100.00%**

Planned Application of Effort:

Performing Scheduled Audits		6,590		38.00%
Compliance Reviews		1,150		6.63%
Advisory Services / Management Requests		2,000		11.53%
Reviews of Alleged Fraud, Waste, and Abuse		1,500		8.65%
Annual Audit Activities (Follow-up, Inventory)		750		4.33%
Continuous Monitoring		750		0.60%
Total Direct Hours - Audit, Planning and Review			**12,740**	**73.47%**
Vacations, Holidays, and Sick Leave		2,175		12.54%
Training and Professional Development		600		3.46%
Administrative Tasks / Network Maintenance		1,825		10.52%
Total Indirect Hours			**4,600**	**26.53%**
Grand Total Hours of Effort			**17,340**	**100.00%**

AUDIT PLAN FOR FISCAL YEAR 2014-15
RISK BASED AUDITS

ENTITIES	LAST AUDIT	RISK	HOURS
Athletics NCAA – Financial Aid *	2011	High	350
Civil and Environmental Engineering	2009	High	350
Departmental Scholarships	2010	High	250
Environmental Health and Safety	2010	High	300
Export and Secure Research Compliance	2007	High	300
Facilities Operations	2006	High	350
Health and Counseling Centers	2008	High	325
Human Resources: Leave Accounting *	2010	High	200
IT: Employee Access Life Cycle	N/A	High	300
IT: FERPA/HIPAA	N/A	High	300
IT: Oracle Database	2004	High	200
IT: Security Incident Response	N/A	High	315
Materials Science and Engineering	2009	High	300
Research: Cost Sharing *	N/A	High	300
School of Education	2008	High	300
University Scholarships and Financial Aid *	2011	High	250
VT Electric Services	2009	High	300
College of Veterinary Medicine	2006	Medium	300
Differential Tuition and Program Fees	N/A	Medium	300
Fralin Life Science Institute	2007	Medium	200
Language and Culture Institute	N/A	Medium	200
University Building Official	2012	Medium	250
VCE – Southeast District	2010	Medium	350

Total Hours Needed   **6,590**

Total Audits Planned   **23**

* Entity receives an annual audit on different components of their operation.

FIVE-YEAR COMPLIANCE REVIEW PLAN
FOR FISCAL YEARS 2014-15 THROUGH FISCAL YEAR 2018-19

Audit Entity (Senior Management Areas)	Last Review	--------- Hours of Effort ---------				
		FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Athletics	2013				250	
College of Agriculture and Life Sciences	2014					350
College of Architecture and Urban Studies	2012			250		
College of Business	2010	250				
College of Engineering	2013				350	
College of Liberal Arts and Human Sciences	2013			350		
College of Natural Resources and Environment	2014					200
College of Science	2010	250				
College of Veterinary Medicine	2013					250
Office of the President	2011		150			
Office of the Provost	2012		300			
University Libraries	2011		250			
Vice President and Dean for Graduate Education	2014				200	
Vice President for National Capital Region	2011		200			
Vice President for Administration	2010	300				
Vice President for Alumni Relations	2010	150				
Vice President for Development and University Relations	2011		250			
Vice President for Finance	2012			250		
Vice President for Information Technology	2009	200				
Vice President for Outreach and International Affairs	2011			300		
Vice President for Research	2012				300	
Vice President for Student Affairs	2014					350
Total Budgeted Hours		**1150**	**1150**	**1150**	**1100**	**1150**
Number of Reviews		**5**	**5**	**4**	**4**	**4**

NOTE: Compliance reviews include all departments reporting to the respective senior management area.

PROPOSED FIVE-YEAR CORE AUDIT PLAN
FOR FISCAL YEAR 2014-15 THROUGH FISCAL YEAR 2018-19

Area	2015	2016	2017	2018	2019
Enrollment Services	Financial Aid – Federal Prog., Dept. Schol., Fin. Reporting	Financial Aid – State and Inst. Prog., Overaward	Financial Aid – Inst. and Stud. Eligibility, Title IV Return, Quality Assur.	Financial Aid – Federal Prog., Dept. Schol., Fin. Reporting	Financial Aid – State and Inst. Prog., Overaward
	Departmental Scholarships	Graduate Admissions Application System	Undergraduate Admissions	University Registrar	Graduate Education
Research	Fralin Life Science Institute	ICTAS	VTCRI	VBI	Institute for Creativity, Arts & Technology
	Export and Secure Research Compliance	ICAM / ISCE	Animal Care and Resources	OSP Project Set-Up, Billing, A/R, Close-Out	IRB for Human Subjects
	Cost Sharing	Effort Reporting	Cost Transfers	Lab Safety	PI Grant Management
Human Resources and Payroll	Leave Accounting	Benefits	Payroll Transactions	Compensation and Classification / Equity	Hiring and Termination
Auxiliary Enterprises/ Student Support	Health and Counseling Centers	The Inn at Virginia Tech	Dining Services	Recreational Sports	Hokie Passport Services
	VT Electric Service	Telecommunications (CNS)	Student Centers and Activities	Licensing and Trademarks	Center for the Arts
	NCAA – Financial Aid	NCAA – Eligibility	NCAA – Recruiting	Athletics – Compliance	Athletics – Operations
Facilities Management	Environmental Health and Safety	Construction Management	Police Department	Records Management	Fleet and Parking Service
	Facilities Operations	Real Estate Management	Mail Services	Emergency Preparedness	Printing and Copier Management Program
	Univ. Building Official				
Finance	Differential Tuition and Program Fees	Controller's Office – General Accounting	Controller's Office – Fixed Assets	Controller's Office – Risk Management	Office of the University Bursar
Academic Units	Civil and Environmental Engineering	Crop and Soil Environmental Sciences	Engineering Science and Mechanics	Sustainable Biomaterials	Chemistry
	Materials Science and Engineering	Electrical and Computer Engineering	Geosciences	VT-Wake Forest Schl of Biomed. Eng. & Science	Mining and Minerals Engineering
	School of Education	Physics	Biochemistry	Biological Systems Eng.	Horticulture
	College of Veterinary Medicine	Building Const. / Myers-Lawson Schl of Const.	Entomology	School of Public and International Affairs	Industrial and Systems Engineering
Off-Campus Locations	VCE – Southeast District	Reynolds Homestead	International Activities	VCE – Northern District	Eastern Shore / Virginia Seafood ARECs

Presentation Date: September 15, 2014

PROPOSED FIVE-YEAR CORE INFORMATION TECHNOLOGY AUDIT PLAN
FOR FISCAL YEAR 2014-15 THROUGH FISCAL YEAR 2018-19

ISO 27002 Coverage Areas

Year	Audit	Risk Assessment	Security Policy	IT Security Organization	Asset Management	Human Resources Security	Physical and Environmental Security	Communications and Operations Management	Access Control	Information Systems Acquisition, Development, and Maintenance	Business Continuity	IT Security Incident Management	Compliance
2015	IT Security Incident Response				✓	✓		✓		✓	✓		
2015	Oracle Database			✓						✓			
2015	FERPA/HIPAA			✓				✓					✓
2015	Employee Access Life Cycle			✓		✓							
2016	Project Management							✓		✓			
2016	Network (RLAN, Routers, & Firewalls)							✓	✓	✓			
2016	Printer Security							✓	✓				
2016	UNIX Server Security								✓				
2017	Banner Applications		✓					✓	✓				
2017	COOP Review	✓		✓	✓			✓			✓		
2017	General Controls Review			✓			✓	✓					✓
2017	Surplus Property							✓					
2018	Disaster Recovery	✓		✓	✓			✓			✓		
2018	External Interfaces & Wire Transfers									✓			
2018	Mobile Device Security				✓			✓	✓				
2018	Outsourced Systems							✓		✓			
2019	Banner Applications		✓					✓	✓				
2019	Windows Server Security								✓				
2019	PCI Compliance									✓			
2019	Wireless Security							✓	✓	✓			

Note: Audits will include coverage of all critical or sensitive risk domains (Student, Finance, Human Resources, and Research) of the university.

IT Audits that will include <u>decentralized</u> scope coverage across campus

Presentation Date: September 15, 2014

PRELIMINARY SCOPE DESCRIPTIONS OF FISCAL YEAR 2014-15 AUDIT PLAN

The description of the preliminary audit scope for projects on the fiscal year 2014-15 audit plan is detailed below. However, the preliminary scope is subject to change as the audit objectives are based on identified business goals and objectives, potential risks, and processes designed to mitigate those risks during the audit planning process. The annual expenditures and revenues referenced below reflect fiscal year 2012-13 data.

Periodic Reviews of Colleges, Schools, and Departments: The objective of these audits is to assure sound business practices are in place and processes comply with university policies. These reviews will focus on the unit's business objectives and will evaluate controls and business risks. Tests of records may include core business functions such as contract and grant administration, service centers, health and safety, facility security, conflict of interest, and systems and network security as applicable, to determine if processes effectively manage risks, safeguard assets, and comply with policies.

Academic Reviews:

> ### Civil and Environmental Engineering
> The Department of Civil and Environmental Engineering (CEE), ranked among the top 10 accredited civil and environmental engineering departments by the US News and World Report, has approximately 480 undergraduate and 390 graduate students enrolled. Total expenditures for the department were $21.9 million, with sponsored research totaling $10 million. The department has the third largest total expenditures by dollar volume and sponsored research at the university. Program areas include construction engineering and management, geotechnical engineering, structural engineering and materials, and environmental and water resources engineering, among others. CEE was last audited as part of a college-wide review in 2009.

> ### College of Veterinary Medicine
> One of 28 colleges of veterinary medicine in the United States, the Virginia Maryland Regional College of Veterinary Medicine offers comprehensive educational programs, provides advanced clinical care for clients throughout the region, and conducts a variety of animal and biomedical research programs. It has three main sites including the main campus at Virginia Tech, the Marion duPont Scott Equine Medical Center in Leesburg, and a site at the University of Maryland. This audit will focus on the academic and research efforts of the College of Veterinary Medicine. These areas had expenditures of $16 million and sponsored research totaling $6.6 million, a figure that represents 59% growth since 2008. These areas were last reviewed as part of a college-wide audit in 2006.

> ### Materials Science and Engineering
> The Department of Materials Science and Engineering (MSE) enrolls 130 undergraduate and 60 graduate students annually. Total expenditures for the department were $6.3 million, with sponsored research totaling $2.8 million. The

PRELIMINARY SCOPE DESCRIPTIONS OF FISCAL YEAR 2014-15 AUDIT PLAN

six primary domains of study within MSE include biomaterials, ceramics, composites, electronic materials, metals, and polymers. MSE was last audited as part of a college-wide review in 2009.

School of Education

The School of Education (SOE), with over $14 million of expenditures, offers masters, specialist, and doctoral degrees in 20 areas of professional education, leadership (K-12 and higher education), counseling, instructional design and technology, and health promotion. SOE is dedicated to enriching the lives of children, youth, families, and communities through inquiry, leadership, and advocacy. The School of Education was last audited as part of a college-wide review in 2008.

Athletics NCAA – Financial Aid

Virginia Tech sponsors 21 varsity sports at the NCAA Division I level, including 11 men's sports and 10 women's sports, although Women's Golf will begin competition in 2015. The Department of Athletics monitors more than 550 student-athletes each academic year. Athletics had operating revenues of approximately $70 million and total operating expenses were $66.6 million. Athletes are awarded aid in accordance with NCAA, Atlantic Coast Conference, and university rules and regulations. Internal Audit conducts a complete audit of Athletics over a five-year period. This audit will include reviews of financial aid, playing and practice seasons, and summer camps. The last audit of these NCAA activities was in 2011.

Departmental Scholarships

Scholarship administration at Virginia Tech is highly decentralized with the principal administrative responsibility primarily delegated to the college and department level. Funding sources for departmental scholarships includes endowments as well as annual/operating funds. University Scholarships and Financial Aid (USFA) acts as an agent to deliver scholarship proceeds to students. University departments provided or monitored approximately $8.7 million in student financial assistance in the form of departmental scholarships in fiscal year 2012-13. Departmental Scholarships was last audited in 2010.

Differential Tuition and Program Fees

In addition to standard tuition and fee charges, various colleges and departments within the university have developed a more complex funding model to assist in the financing of specialized programs. Differential tuition and program fee models have been implemented in the Colleges of Architecture, Business, Engineering, Natural Resources and Environment, and Science. In addition to these specialized areas, fee application in other areas including the University Library will be reviewed. No dedicated audit has been completed for differential tuition and program fees.

PRELIMINARY SCOPE DESCRIPTIONS OF FISCAL YEAR 2014-15 AUDIT PLAN

Environmental Health and Safety
Environmental Health and Safety (EHS) provides institutional support and oversight for university departments in maintaining regulatory requirements of laboratory safety and chemical hygiene. EHS personnel perform routine scheduled inspections of areas occupied and used by Virginia Tech faculty, staff, and students including properties located both on and off campus. EHS provides training mandated by the Occupational Safety and Health Administration (OSHA), Mine Safety and Health Administration (MSHA), Environmental Protection Agency (EPA), Nuclear Regulatory Commission (NRC), and related state and federal regulations as applicable to university operations. Total expenditures for this department, within the Division of Administrative Services, were $2.5 million. EHS was last audited in 2010.

Export and Secure Research Compliance
The Office of Export and Secure Research Compliance (OESRC) supports Virginia Tech's commitment to complying with laws and regulations applicable to export and trade sanctions. Academic research normally is conducted openly and most research activities are not subject to export control regulation. However, there are certain conditions under which the export of critical technologies, including certain technical and scientific data, software, or tangible items, is either prohibited by law or requires an export license or other government approval. Virginia Tech continues to expand its technological research and other collaborative efforts with foreign countries and their entities (e.g., universities, companies, or agencies). At the same time, Virginia Tech is also growing its research collaborations with industry and the federal government that are subject to export restrictions and laws. Violations of these laws are punishable by severe civil and criminal penalties and fines, including imprisonment. The last audit of this area was in 2007.

Facilities Operations
Facilities Operations supports Virginia Tech's mission and goals by maintaining buildings, electrical and mechanical systems, and main campus grounds to provide a reliable, efficient, functional, and aesthetically pleasing setting for the campus community to carry out their education, research, and service. The six departments of Facilities Operations include Building Trades and Grounds, Housekeeping, Building Systems, Mechanical Utilities, Engineering Operations, and the Quarry. Total expenditures were $6.2 million. This area was last reviewed in 2006. Renovations provides architectural and engineering design services to the university community, estimates construction costs, and oversees the performance of the work by licensed and pre-qualified contractors. A renovation is any non-maintenance project involving alteration, modification, or new work priced under $2 million or new construction less than 5,000 square feet. In 2012, Virginia Tech Facilities Services outsourced renovations to improve customer service and business processes and assigned oversight of the Renovations program to Facilities Operations. The area was last audited in 2009.

PRELIMINARY SCOPE DESCRIPTIONS OF FISCAL YEAR 2014-15 AUDIT PLAN

Fralin Life Science Institute
Originally, the Fralin Biotechnology Center was established to promote research, education, and outreach related to the life sciences. The Fralin Biotechnology Center and the Institute for Biomedical and Public Health Sciences were administratively merged in 2008 to form the Fralin Life Science Institute (Fralin). The institute reports to the Vice President for Research and has expenditures of $1.7 million. This audit will include a review of Fralin's compliance with university policies and procedures regarding health and safety and also financial and administrative activity. The last audit of this area was in 2007.

Health and Counseling Centers
The Cook Counseling Center provides opportunities for students to learn more about themselves as individuals, form deeper relationships with their peers, and grow to benefit the community and society at large. The Cook Counseling Center staff provides these learning opportunities through individual and group counseling, psychiatric care, psychotherapy, and educational programming. The Schiffert Health Center provides patients with a broad spectrum of care that is both preventive and curative. Services include care for acute illnesses and injuries as well as more chronic conditions. The student health fee, included in each year's tuition, covers the majority of services provided by the Cook Counseling and Schiffert Health Centers, including unlimited visits and most laboratory procedures. Additional areas to be covered during this audit include Services for Students with Disabilities and the Campus Alcohol Abuse Prevention Center. Cumulative expenditures for these units totaled $10.4 million. The Cook Counseling and Schiffert Health Centers were last reviewed in 2008, but the components have not been previously reviewed.

Human Resources: Leave Accounting
The Leave Accounting unit in Human Resources provides advice, guidance, counseling, and training on leave policies and procedures for approximately 7,300 faculty and staff. Leave Accounting processes leave transactions and provides customer service assistance to employees and departmental leave representatives in response to inquiries, leave corrections, and leave adjustments. The Leave Programs Supervisor provides training for departmental leave representatives. The last audit of this activity was in 2010.

IT: Employee Access Life Cycle
From first hire date to separation, university employees receive credentials that provide access to a number of information systems, networks, and other critical IT resources. System and network administrators, data stewards, and other central support staff must manage those credentials throughout the term of employment, which may include changes in the assignment of job duties, transfers between departments, and ultimately, separation from university employment. This audit will evaluate the assignment, modification, and removal of user credentials for university IT resources. Employee access has been reviewed in audits for specific IT resources; however, this will be the first complete audit of the employee access life cycle.

PRELIMINARY SCOPE DESCRIPTIONS OF FISCAL YEAR 2014-15 AUDIT PLAN

IT: FERPA / HIPAA

Within the university environment, the Family Educational Rights and Privacy Act (FERPA) and the Health Insurance Portability and Accountability Act (HIPAA) serve to protect the education and health records of students, alumni, and employees against unauthorized disclosure. Unauthorized disclosure of protected information may result in financial penalties, reputational damages, external agency reviews, and increased administrative responsibilities. This audit will assess the classification and security of protected data, policies and procedures governing the business use of protected data, and applicability of FERPA and HIPAA to student education and health records. Previous audits have assessed communication and training related to the use of FERPA data in specific departmental reviews, but no campus-wide review has been conducted in these areas.

IT: Oracle Database

Database management systems (DBMSs) are software applications designed to allow user interaction between other applications and an underlying database. Virginia Tech departments rely on databases to support administrative, academic, and research efforts. This audit will focus on the configuration and security of the Oracle databases underlying the Banner environment at the university, which serves as the primary information system for student, human resources, and financial information. Oracle database management was last reviewed in 2004.

IT: Security Incident Response

Critical security incidents have the potential to significantly impact the university's technology infrastructure, reputation, financial position, and the health and safety of students, faculty, staff, and university visitors. Examples of critical security incidents include unauthorized access to sensitive data, intentional or unintentional dissemination of protected data, and large scale intrusions. Coordinated responses to such incidents may help limit the potential exposure, decrease response time, improve communication, and provide a mechanism to learn from and try to prevent similar events. This audit will assess the existing infrastructure for responding to critical security incidents at the university. This will be the first review of IT security incident response.

Language and Culture Institute

The Language and Culture Institute (LCI) provides language-related programs and services for academic and professional development. Through its work, LCI contributes to the university's diversity and intellectual capacity by helping to attract the best and brightest international students, scholars, and professionals to our community. As a part of the Division of Outreach and International Affairs, LCI has locations in Blacksburg and in the National Capital Region. The institute hosts over 500 students from more than 30 countries per year. LCI is served by 75 professional faculty, instructors, and staff. Since 2008, LCI experienced massive revenue growth, with total revenues increasing from under $2,000 in 2008 to over $6.1 million in 2013. No audit has been conducted of this activity.

PRELIMINARY SCOPE DESCRIPTIONS OF FISCAL YEAR 2014-15 AUDIT PLAN

Research: Cost Sharing
Cost sharing is the portion of a project or program cost that is not reimbursed by the sponsor. In a proposal or an award, cost sharing represents a commitment by the university. Cost sharing can be both mandatory, where the sponsor requires cost sharing as a condition of the award, and voluntary, where the sponsor does not require cost sharing as a condition of the award, but the university offers cost sharing in the proposed budget to be more competitive. Compliance with federal cost accounting standards requires that cost sharing expenses be treated in a consistent and uniform manner in proposal preparation, award negotiation, and the accounting of these expenses in the financial reports to sponsors. Cost sharing reported to the National Science Foundation for 2012 totaled $3.8 million. No dedicated cost sharing audit has been completed previously.

University Building Official
The Office of the University Building Official (UBO) was established in 2010 to enforce Virginia Uniform Statewide Building Code as established by the Virginia Department of Housing and Community Affairs for all Virginia Tech properties (on and off campus). UBO was created as a direct result of authority granted to Virginia Tech under the 2006 Higher Education Restructuring Act. This area was last reviewed in 2012.

University Scholarships and Financial Aid
The Office of University Scholarships and Financial Aid (USFA) is part of the Enrollment and Degree Management area. USFA supports the university's student access, enrollment, and retention goals by providing the financial means to encourage economic, social, cultural, and academic diversity in the student body. USFA provided or monitored approximately $423 million in student financial assistance in fiscal year 2012-13. A complete audit of USFA is performed over a four-year period. This review will include the disbursement process, cash management, financial reporting, and resource management. The last audit of this activity was in 2011.

Virginia Cooperative Extension – Southeast District
Virginia Cooperative Extension (VCE) is an educational outreach program of Virginia's land-grant universities: Virginia Tech and Virginia State University. Extension programs are delivered through a network of faculty at two universities, 107 county and city offices, 11 agricultural research and extension centers, and six 4-H educational centers. In 2013, VCE reached more than 2.6 million participants statewide with the assistance of nearly 30,000 volunteers, contributing more than 966,000 hours of service valued at more than $23.8 million. The VCE Southeast District had $3.3 million in expenditures, $2.5 million in revenue including $2.3 million in cash receipts. Some locations within the VCE Southeast District were audited in 2010, but this will be the first district-wide review.

PRELIMINARY SCOPE DESCRIPTIONS OF FISCAL YEAR 2014-15 AUDIT PLAN

Virginia Tech Electric Services
Virginia Tech Electric Service (VTES) provides electric service to Virginia Tech's main campus infrastructure as well as nearly 6,000 residential and commercial customers in the Town of Blacksburg. In 2007, VTES entered into a 20-year contract with Appalachian Power Company for the purchase of wholesale energy. In fiscal year 2012-13, VTES had cash receipts of $14.2 million, total revenues of $35.3 million and expenditures of $31.1 million. VTES was last audited in 2009 as a part of a Utilities audit that included information technology and health and safety processes.

Compliance Reviews
Internal Audit will continue its program of limited scope reviews of senior management areas. These surveys review major aspects of a department's administrative processes using internal control questionnaires and limited testing that provides broad audit coverage ensuring compliance with university policies on campus.

Review and Acceptance of Internal Audit Reports Issued

FINANCE AND AUDIT COMMITTEE

August 19, 2014

Background

In concurrence with the fiscal year 2013-14 Internal Audit Plan approved by the Finance and Audit Committee at the September 9, 2013 Board of Visitors meeting, the department has completed five risk-based audits and two compliance reviews during this reporting period. This report provides a summary of the ratings issued during the period and the rating system definitions. With the submission of these seven reports, Internal Audit has completed 87 percent of the annual audit plan. The remaining four projects are underway and will be presented at the next Board of Visitors meeting.

Ratings Issued This Period

Athletics: Operations	Improvements are Recommended
Human Resources: Hiring and Termination	Improvements are Recommended
Windows Server Security	Improvements are Recommended
University Scholarships and Financial Aid	Effective
Wi-Fi Infrastructure Security	Improvements are Recommended
Vice President and Dean for Graduate Education	Improvements are Recommended
Vice President for Student Affairs	Improvements are Recommended

Presentation Date: September 15, 2014

Summary of Audit Ratings

Internal Audit's rating system has four tiers from which to assess the controls designed by management to reduce exposures to risk in the area being audited. The auditor can use professional judgment in constructing the exact wording of the assessment in order to capture varying degrees of deficiency or significance.

Definitions of each assessment option

Effective – The audit identified opportunities for improvement in the internal control structure, but business risks are adequately controlled in most cases.

Improvements are Recommended – The audit identified occasional or isolated business risks that were not adequately or consistently controlled.

Significant or Immediate Improvements are Needed – The audit identified several control weaknesses that have caused, or are likely to cause, material errors, omissions, or irregularities to go undetected. The weaknesses are of such magnitude that senior management should undertake immediate corrective actions to mitigate the associated business risk and possible damages to the organization.

Unreliable – The audit identified numerous significant business risks for which management has not designed or consistently applied controls prior to the audit. Persistent and pervasive control weaknesses have caused or could cause significant errors, omissions, or irregularities to go undetected. The weaknesses are of such magnitude that senior management must undertake immediate corrective actions to bring the situation under control and avoid (additional) damages to the organization.

RECOMMENDATION:

That the internal audit reports reviewed above be accepted by the Finance and Audit Committee.

Budget Update - Outcome of the 2014 Legislative Session and Current Events

FINANCE AND AUDIT COMMITTEE

August 1, 2014

OUTCOME OF THE 2014 LEGISLATIVE SESSION

Background

The university developed its 2014-15 operating budget utilizing an estimate of the state funding support for the university in 2014-15. This budget was presented and approved by the Board of Visitors on June 2, 2014. Subsequently, the commonwealth's 2014-16 biennial budget was finalized on June 23, 2014; thus, the university incorporated the actual level of state support into the 2014-15 operating budget.

State Appropriations

During the General Assembly's budget deliberation process, the 2013-14 General Fund revenue outlook declined an estimated $350 million, requiring the General Assembly to reduce the previously proposed General Fund increases in the 2014-16 biennial budget. This required the state to scale back efforts to enhance the General Fund support that had previously been proposed and communicated to agencies, including Virginia Tech. The final state budget attempted to fund agencies at the same level as in 2013-14, and provide for the commonwealth's share of assigned costs and technical adjustments. As a result, the incremental General Fund projected for the university's budget and communicated to the Board at the June 2014 meeting, was reduced. While state resources were highly constrained, the university appreciates the remaining elements of new financial support the state was able to provide.

Budget Development

Due to the uncertainty of the commonwealth's budget, during the university budget development process budget requests were considered for potential funding in a contingent manner in anticipation of adjustments in the level of General Fund support. While budgets for initiatives were included in the university budget, the incremental resources were not allocated until the state budget was finalized and the actual level of General Fund support was known.

Changes in Expected General Fund Allocation

The original 2014-15 budget expected $26.8 million of incremental General Fund support. The final amount was $14.9 million or $11.9 million less than originally forecast. A summary of the changes to the final budget is shown in Attachment 1. Some of the significant changes to the operating budget include:

- Because of the reduction in incremental General Fund support, the university has received less support for University Division (Agency 208) initiatives such as degree incentive funding, general operating support, increases in compensation, operations and maintenance of new buildings, and increasing the number of faculty.

- The Cooperative Extension and Agricultural Experiment Station (Agency 229) did not receive funding for compensation or additional Agricultural Education Specialists.

- The research program did not receive incremental funding for brain research, the Institute for Creativity, Arts and Technology, or the Transportation Institute.

- No incremental funding was received for student financial aid or the Equipment Trust Fund.

- The state also captured the interest earnings on 208 E&G funds thus reversing an incentive to achieve institutional performance negotiated under restructuring. This is a $270,000 transfer from the university's nongeneral fund E&G revenue to the state treasury.

Some of the significant changes to or results of the state's capital budget include:

- The airport land sale language which granted authority to convey 47.83 acres of university land to the VT-Montgomery Regional Airport Authority for the runway extension expansion remained in the final budget. The acquisition will be funded with Federal Aviation Authority (FAA) funds, and the proceeds will be applied to support the relocation costs of the university's agricultural programs (Dairy Science).

- There were no new higher education capital projects funded for the 2014-16 biennium. The projects already listed in the planning pool were authorized to proceed to detail planning utilizing nongeneral funds. This pool includes the Improve Kentland Facilities project for Virginia Tech. The Academic Building Renovation/Renewal project remains unchanged from the previous session and is still authorized to proceed to detail planning with nongeneral funds.

- The Maintenance Reserve program increased to $150 million statewide over the 2014-16 biennium, with Virginia Tech being allocated the largest amount within higher education at $16 million. The university's fiscal year 2015 allocation of $8 million is an increase of $2.4 million over the fiscal year 2014 allocation.

While the university lost most of the projected incremental General Fund support for new initiatives, the university did receive $600,000 of new General Fund support for Virginia resident enrollment growth and $1.1 million for the operation and maintenance of the Human and Agricultural Biosciences Building (in Agency 229). In addition, the

university received the incremental General Fund support for the state's share of fringe benefit rate changes and technical adjustments.

As a result, some areas, affected by inflationary pressures, such as Cooperative Extension and Agricultural Experiment Station (Agency 229), research programs, and Student Financial Aid did not receive additional support to help with escalating costs.

The 2014-15 budgets will be revised for the appropriated level of General Fund support and will be reflected in the first quarter Financial Performance Report that will be presented to the board for approval at the November 2014 meeting.

CURRENT EVENTS FOR FISCAL YEAR 2014-15

The General Assembly passed the 2014-16 biennial budget on June 23, 2014, and the Commonwealth closed the 2013-14 fiscal year on June 30, 2014. Final 2013-14 General Fund revenues fell $438.5 million below target; $88.5 million more than the prior estimate of $350 million. This shortfall is carried over into 2014-15 for resolution. This revenue shortfall triggered a revenue reforecast for the 2014-16 biennium. On August 15, Governor McAuliffe released revised revenue estimates for the 2014-16 biennium that further reduce projected General Fund revenue. Combined, the state faces a projected shortfall of $1.3 billion (which includes the roll-forward of the $438.5 million shortfall from 2013-14) in 2014-15 and $1.1 billion in 2015-16. The Governor has indicated that after utilizing unappropriated balances and the revenue stabilization fund to offset a portion of this shortfall, deficits of approximately $346 million in 2014-15 and $536 million in 2015-16 remain and must be resolved during the biennium.

On August 27, 2014, the Governor issued a call for agency savings plans from institutions of higher education equal to 5% of General Fund appropriations in 2014-15 and 7% in 2015-16. Student Financial Aid support from the state was exempted from the process, as was one-half of the Cooperative Extension and Agricultural Experiment Station Division appropriation. The university will respond to the state's call for savings strategies by September 19, 2014. A summary of the budget reduction targets is shown below.

	Program	FY15 Ch. 2 Appropriation	Exempt	Reduction Target	
				2014-15 (5%)	2015-16 (7%)
Agency 208 – University Division	208 Total	$ 175.8	($ 19.7)	**($ 7.8)**	**($10.9)**
	- E&G	*151.5*	*-*	*(7.6)*	*(10.6)*
	- Financial Aid	*19.7*	*(19.7)*	*-*	*-*
	- Research	*2.5*	*-*	*(0.1)*	*(0.2)*
	- UMA	*2.1*	*-*	*(0.1)*	*(0.1)*
Agency 229 – CE/AES	229 Total (E&G)	64.8	(32.4)	**($ 1.6)**	**(2.3)**
Virginia Tech Total		$240.6	($ 52.1)	**($ 9.4)**	**($ 13.2)**

$s in Millions

In summary, the university will have to submit plans to reduce its General Fund by $9.4 million in 2014-15 and $13.2 million in 2015-16. It is important to note that these amounts are not additive; rather, the $9.4 million reduction in the current fiscal year grows by $3.8 million to a total of $13.2 million in 2015-16.

The university plans to identify some central one-time strategies to soften the initial impact on the campus this fiscal year (2014-15) to provide time for a thoughtful, rational planning process for the development of the 2015-16 budget with reduced state support.

The university will continue to monitor the state's budget situation. Internal planning is underway regarding strategies to address these reductions in a timely and thoughtful manner. The university will continue to update the board as new information becomes available.

APPROPRIATIONS FROM THE PROPOSED HOUSE BUDGET AND SPECIAL SESSION
June 12, 2014
($ in thousands)

Operating Budget State Support	House Budget		House Changes (to Special Session)		Special Session	
	2014-15	2015-16	2014-15	2015-16	2014-15	2015-16
University Division Operating						
Programmatic						
Degree Incentives	$ 358,157	$ 1,339,592	$ (358,157)	$ (1,339,592)	$ -	$ -
Enrollment Growth	-	-	-	-	-	-
O&M of New Buildings	1,274,020	1,604,141	(1,274,020)	(1,604,141)	-	-
Increase # of Faculty	1,863,239	1,863,239	(1,863,239)	(1,863,239)	-	-
In-state Undergraduate Seats	600,000	600,000	-	-	600,000	600,000
Compensation Programs	1,332,368	1,554,434	(1,332,368)	(1,554,434)	-	-
Veteran and Military Education Consortium	-	-			-	-
Elimination of E&G Interest Earnings	-	-	(270,000)	(270,000)	(270,000)	(270,000)
Technical						
Automobile Insurance Liability Program Premium Change	170,948	170,948			170,948	170,948
Workers' Compensation	74,817	90,395			74,817	90,395
New State System: Performance Budgeting System	16,468	16,468			16,468	16,468
New State System: Cardinal Accounting System	-	2,313			-	2,313
Line of Duty Act Costs	3,170	3,170			3,170	3,170
Information Technology and Telecommunication Charges	(1,751)	(1,750)			(1,751)	(1,750)
Annualization of FY14 Faculty Salary Increase	393,418	393,418			393,418	393,418
Subtotal University Division Operating	6,084,854	7,636,368	(5,097,784)	(6,631,406)	987,070	1,004,962
Research						
Brain Research	2,650,000	2,650,000	(2,650,000)	(2,650,000)	-	-
Center for the Arts & Technology Operating	300,000	300,000	(300,000)	(300,000)	-	-
Transportation Institute Support	250,000	250,000	(250,000)	(250,000)	-	-
Subtotal Research	3,200,000	3,200,000	(3,200,000)	(3,200,000)	-	-
	-	-			-	-
Financial Aid						
Undergraduate Financial Aid	-	-	-	-	-	-
Graduate Financial Aid	271,420	271,420	(271,420)	(271,420)	-	-
Subtotal Financial Aid	271,420	271,420	(271,420)	(271,420)	-	-
Equipment Trust Fund						
Base	8,328,077	8,328,077	-	-	8,328,077	8,328,077
Research	6,978,311	4,278,311	(2,700,000)	-	4,278,311	4,278,311
Subtotal Equipment Trust Fund	15,306,388	12,606,388	(2,700,000)	-	12,606,388	12,606,388
Subtotal - University Division	**24,862,662**	**23,714,176**	**(11,269,204)**	**(10,102,826)**	**13,593,458**	**13,611,350**
Cooperative Extension/AES Division (CE/AES)						
Programmatic						
Operation and Maintenance of HABB1	1,149,966	1,173,129	-	-	1,149,966	1,173,129
Support for Agricultural Specialists	110,000	110,000	(110,000)	(110,000)	-	-
Compensation Programs	532,790	546,444	(532,790)	(546,444)	-	-
Technical						
New State System: Performance Budgeting System	6,124	6,124			6,124	6,124
New State System: Cardinal Accounting System	-	1,770			-	1,770
Information Technology and Telecommunications Change	(448)	(448)			(448)	(448)
Insurance Premium Increase (Workers Comp, Auto)	(16,155)	(16,155)			(16,155)	(16,155)
Annualization of 2014 Faculty Salary Increase	142,746	142,746			142,746	142,746
Subtotal CE/AES	**1,925,023**	**1,963,610**	**(642,790)**	**(656,444)**	**1,282,233**	**1,307,166**
	-				-	
Total Operating Budget State Support	**$ 26,787,685**	**$ 25,677,786**	**$(11,911,994)**	**$(10,759,270)**	**$ 14,875,691**	**$14,918,516**

Presentation Date: September 15, 2014

APPROPRIATIONS FROM THE PROPOSED HOUSE BUDGET AND SPECIAL SESSION
June 12, 2014
($ in thousands)

Capital Budget	**House Budget**		**Special Session**	
	State	NGF	State	NGF
Maintenance Reserve FY2015	$ 6,975		$ 8,021	
Maintenance Reserve FY2016	$ 6,975		$ 8,021	
Capital Projects:				
Preplanning				
Detail Planning				
Academic Building Renovation/Renewal	*Listed in Funding Pool*		*Listed in Funding Pool*	
Improve Kentland Research Facilities (1)	*Listed in Funding Pool*		*Listed in Funding Pool*	
Construction				
FF&E Funding	*Listed in Funding Pool*		*Listed in Funding Pool*	
Classroom Building (2)	$ 3,642		$ 3,642	
Sale of Land for Airport Runway Extension	*Language included*		*Language included*	
Total	$ 17,592	$	$ 19,685	$

Note:

The designation "Listed in Funding Pool" reflects inclusion in an appropriation for a pool of funds. A specific amount is provided for each project after a cost review is completed by the State's Department of General Services.

Update on Joint Legislative Audit and Review Commission's Study on Higher Education Cost Efficiency

FINANCE AND AUDIT COMMITTEE

August 10, 2014

Background

The 2012 General Assembly directed the Joint Legislative Audit and Review Commission (JLARC) to conduct a study on cost efficiency of public higher education institutions in Virginia and to identify opportunities to reduce the cost of public higher education in Virginia. The House Joint resolution that directs JLARC to conduct the study identified 14 areas to consider including both academic and non-academic factors that affect the cost of higher education operations. The study is to be conducted over a period of two years and is scheduled to be completed by November 10, 2014. According to the 2013 JLARC Workplan, the Commission has divided the study into the following broad categories and plans to issue separate reports on each topic by the given dates:

1. *Trends in Higher Education Funding, Enrollment, and Student Costs*: The report summarizes 10 and 20 year trends in the areas of enrollment, tuition and fees, housing, and dining charges, the relationship between average income and higher education costs, student borrowing and other forms of financial aid, public higher education revenue streams, and public higher education spending.

   June 10, 2013
   (Issued)

2. *Review of Auxiliary Enterprises and Cost of Student Life*: This review addresses the efficiency of auxiliary enterprises that are funded through student fees including student housing, student dining, intercollegiate athletics, and campus recreation.

   September 9, 2013
   (Issued)

3. *Review of Academic Spending and Workload*: The review addresses:
   i) how the different types of academic programs offered affect spending,
   ii) the key drivers of faculty compensation,
   iii) major faculty activities and level of faculty productivity, including the role of technology,
   iv) the financial costs of research and types of benefits that stem from research, and
   v) utilization and spending on instructional and research space.

   December 9, 2013
   (Issued)

4. *Review of Administrative Efficiency*: The objective of this review is to study administrative efficiency including administrative staffing, information technology, and procurement

   October 14, 2014

Presentation Date: September 15, 2014

5. *Strategies and Practices to Facilitate Efficient and Effective Public*   November 10, 2014
    Higher Education in Virginia: The primary objective of this review
    will be to summarize and synthesize key findings from prior
    JLARC reviews on higher education, and to identify strategies and
    practices used by Virginia institutions, institutions in other states,
    other state oversight organizations, and legislatures that merit
    consideration

Status of the JLARC Review

JLARC has issued the first three of the five scheduled reports. The university has previously provided updates to the Board on the information presented in the three reports. In Spring 2014, JLARC commenced work on the fourth and fifth studies. Both studies are being conducted concurrently. The fourth report, scheduled to be released in October, 2014 plans to cover administrative staffing and costs, use of technology for administrative functions, cooperative procurement, and outsourcing. The university has provided responses to questionnaires and other data requests including efficiency strategies implemented by the university. JLARC staff had an on-campus visit with university administration including the Provost, Vice President for Administration, Vice President for Finance and CFO and respective staff on July 9th to discuss efficiency of support programs, university spending on support programs, outsourcing, and cost containment. Certain functions such as Procurement, Facilities and Maintenance, Academic Support, and Safety and Security were targeted for additional questions.

The fifth report plans to address affordability and student aid, operating and capital funding, and higher education governance in Virginia. The study will include new research and syntheses of findings from previous reports in the JLARC series. The university continues to respond to data requests and interviews related to this study.

As with prior reports, the university expects to receive draft reports for review and feedback. This process provides the university an opportunity to clarify any observations and findings noted in the report. As final reports are released, the university will provide the information and the impact to the Board.

Report on Higher Education Restructuring Institutional Performance Standards

FINANCE AND AUDIT COMMITTEE

August 22, 2014

Background

In 2005, the Virginia General Assembly passed the Restructured Higher Education Financial and Administrative Operations Act (Restructuring Act). This Act provided restructuring benefits and allowed all Virginia institutions of higher education to have more responsibility for their financial and operational activities.

For Virginia Tech, the Act also provided the opportunity to apply for additional "Level 3" authority and responsibilities. In 2005, Virginia Tech entered into a Management Agreement with the Commonwealth of Virginia under the Restructuring Act, offering increased management autonomy in exchange for high level accountability in several performance areas.

The Management Agreement became effective on July 1, 2006. It provides the university greater autonomy in the areas of capital outlay, leasing, procurement, information technology, finance, and human resources. This autonomy has enabled the institution to implement revised financial and administrative policies and business practices in specified areas to proactively address the needs of the institution. The Management Agreement was initially approved for a period of four years. Subsequently, legislation was approved granting the continuation of the Management Agreement. The 2014 General Assembly renewed the Level 3 restructured institutions' Management Agreements for an indefinite period. Along with Virginia Tech, the University of Virginia, the College of William and Mary, and Virginia Commonwealth University were also granted Level 3 restructured status.

Accountability is an important part of the Restructuring Act, and all institutions of higher education have a common set of performance measures to achieve. The Institutional Performance Standards (IPS) are the primary performance metrics evaluated under the Restructuring Act. Until fiscal year 2010, the State Council of Higher Education of Virginia (SCHEV) annually assessed the degree to which individual public institutions of higher education met the financial and administrative management and education-related performance benchmarks set forth in the Appropriation Act in effect. The university provided an annual report to the committee on the status of compliance with these measures.

The Higher Education Opportunity Act passed in 2011 suspended the assessment of IPS measures until the Higher Education Advisory Council (HEAC) completed its review of the IPS measures and recommended a new set of reporting measures. In May, 2011 SCHEV certified all institutions as meeting the IPS measures for the 2011-12 to 2013-14 period. The 2013 General Assembly incorporated the recommended changes to the IPS measures proposed by HEAC in the Appropriation Act. The number of measures were reduced, and the assessment

period changed from an annual reporting period to a biennial reporting period. The revised IPS measures continue to focus on two primary areas:

- Academic Measures: There are six education-related measures with a focus on enrollment. The academic-related measures were significantly reduced from the previous reporting cycle. SCHEV monitors institutional compliance with these measures and has broad authority to certify institutions as having met these standards. In addition, SCHEV may develop, adopt, and publish standards for granting exemptions and ongoing modifications to the certification process.

- Finance and Administrative measures: There are 17 finance and administrative measures. HEAC retained all the finance and administrative measures from the previous reporting cycle. The Secretary of Finance through the Department of Planning and Budget (DPB) is responsible for monitoring institutional compliance with these measures.

Current Status of Performance Measures

- Academic Measures: SCHEV has performed an initial assessment of the academic-related measures. According to SCHEV, the preliminary findings indicate that Virginia Tech has passed all the academic measures with the exception of one measure related to transfer students for one year of the assessment period. The performance measure requires institutions to *maintain or increase the number of in-state students transferring from two-year institutions to four-year institutions*. While the university met the standard for 2011-12, the university experienced a decrease of four students for 2012-13. SCHEV shared the preliminary results and asked the university to review and provide feedback on the results. This minor decline is reflective of the competitive environment for attracting a declining population of students from the two-year institutions. As reported by SCHEV, statewide, the total number of students enrolled in associates' degree programs at the public two-year institutions declined by approximately 100 students from Fall 2012 to Fall 2013. This decline is consistent with the decreased enrollments at the New River Community College, the two-year institution closest in proximity to Virginia Tech.

- Finance and Administrative Measures: In late August, the university provided a report on the performance of the finance and administrative measures to the Secretaries of Finance, Administration, and Education. *Attachment A* provides a summary of the results reported to the state. Of the 17 measures, the university is in full compliance with 14 measures; for the three measures where the university did not meet the stated goal, additional explanations were provided.

The three measures where the university did not meet the established goal were:

Human Resource Standard

- o The IPS measure on *internal progression rate* requires that the institution achieve a rate of internal progression within a range of 40 to 60 percent of the total salaried staff hires for the fiscal year. The university achieved an internal progression rate of 35.6 percent for the reporting period. Virginia Tech has experienced an increase in the number of external candidates applying for overall university positions due to expanded advertising and outreach efforts which has resulted in a gradual increase in hiring of external candidates.

Capital Outlay Standards

- o The Capital Outlay standard, *capital outlay projects completed within budget*, requires the institution to report on completed capital projects (projects over $1 million) within the budget originally approved by the institution's governing board at the preliminary design stage for projects initiated under delegated authority, or the budget set out in the Appropriation Act. Effective July 2011, Virginia Tech Board of Visitors approved an increase in the capital project threshold from $1 million to $2 million. This increase was pursuant to a similar increase in capital project threshold by the General Assembly. Hence, The university reported on performance of capital projects over $2 million.

  Of the five completed capital projects, the university did not meet the standard for one project. Detailed explanations were provided to DPB in support of the reasonableness of the circumstances resulting in a variance of actual cost from budgeted cost at preliminary design stage.

- o The capital project standard, *owner requested change orders,* requires that owner requested change orders for capital projects should not exceed two percent of the guaranteed maximum price (GMP) or construction price. Of the five projects completed in fiscal year 2013, one project achieved a rate of five percent for owner requested change order, which exceeded the two percent threshold standard. The university provided information to DPB to explain the circumstances resulting in the overage.

The university believes that the circumstances in each of the situations provides reasonable explanation for the departure from the desired goal.

SCHEV is scheduled to perform an institutional assessment of the new IPS measures by October 2014. The university believes it will be considered in compliance for these measures when the State Council makes its final determination of compliance by Spring 2015.

Virginia Tech

Higher Education Restructuring Institutional Performance Standards
2012-13

	Measure	Metric Definition	Performance Goal	FY 2013 Performance	Result
1. Financial					
a.	Audit of Financial Statements	An unqualified opinion from the Auditor of Public Accounts upon the audit of the public institution's financial statements.	Full Compliance	Full Compliance	🟢
b.	Audit Deficiencies	No significant audit deficiencies attested to by the Auditor of Public Accounts.	Full Compliance	Full Compliance	🟢
c.	Financial Reporting Standards	Substantial compliance with all financial reporting standards approved by the State Comptroller.	Full Compliance	Full Compliance	🟢
d.	Accounts Receivable Standards	Substantial attainment of accounts receivable standards approved by the State Comptroller, including but not limited to, any standards for outstanding receivables and bad debts.	Full Compliance	Full Compliance	🟢
e.	Accounts Payable Standards	Substantial attainment of accounts payable standards approved by the State Comptroller including, but not limited to, any standards for accounts payable past due.	Full Compliance	Full Compliance	🟢
2. Debt Management					
a.	Bond Rating	The institution shall maintain a bond rating of AA- or better	AA-	Aa1 Rating - Moody's	🟢
b.	Investment Returns earned on operating cash balances over rolling three-year period	The institution achieves a three-year average rate of return at least equal to the imoney.net money market index fund	0.04%	0.31%	🟢
c.	Debt burden ratio	The institution maintains a debt burden ratio equal to or less than the level approved by the Board of Visitors in its debt management policy.	≤7%	3.82%	🟢
3. Human Resources					
a.	Turnover percent as an indicator of classified staff stability and satisfaction	The institution's voluntary turnover rate for classified plus university/college employees will meet the voluntary turnover rate for state classified employees within a variance of 15 percent	6.20%	6.10%	🟢
b.	Number of internal employee transfers and promotions as a percentage of total number of newly-hired, transferred and promoted	The institution achieves a rate of internal progression within a range of 40 to 60 percent of the total salaried staff hires for the fiscal year	40%-60%	35.60%	🟡
4. Procurement					
a.	SWAM Participation	The institution will substantially comply with its annual approved Small, Women and Minority (SWAM) procurement plan as submitted to the Department of Minority Business and Supplier Diversity; however, a variance of 15 percent from its SWAM purchase goal, as stated in the plan, will be acceptable	≥85%	106.3%	🟢
b.	Procurement orders process through the Commonwealth's enterprise-wide internet procurement system (eVA)	The institution will make no less than 80 percent of purchase transactions through the Commonwealth's enterprise-wide internet procurement system (eVA) with no less than 75 percent of dollars to vendor locations in eVA	80% -Transactions 75% - Dollars	85% - Transactions 82% - Dollars	🟢

	Measure	Metric Definition	Performance Goal	FY 2013 Performance	Result
5. Capital Outlay					
a.	Capital projects within budget [1]	The institution will complete capital projects (with an individual cost of over $1,000,000) within the budget originally approved by the institution's governing board at the preliminary design state for projects initiated under delegated authority, or the budget set out in the Appropriation Act or other Acts of Assembly which provides construction funding for the project at the preliminary design state. If the institution exceeds the budget for any such project, the Secretaries of Administration and Finance shall review the circumstances causing the cost overrun and the manner in which the institution responded and determine whether the institution shall be considered in compliance with the measure despite the cost overrun.	100%	80% [2]	🟡
b.	Owner requested change orders	The institution shall complete capital projects with the dollar amount of owner requested change orders not more than 2 percent of the guaranteed maximum price (GMP) or construction price.	≤2%	1 of 5 completed projects has owner requested change orders of 5% of GMP threshold [3]	🟡
c.	Competitive rates for leased office space	The institution shall pay competitive rates for leased office space - the average cost per square foot for office space leased by the institution is within 5 percent of the average commercial business district lease rate for similar quality space within reasonable proximity to the institution's campus.	5%	18.65% below market	🟢
6. Information Technology					
a.	Project Management	The institution will complete major information technology projects (with an individual cost of over $1,000,000) on time and on budget against their managed project baseline.	100%	N/A [4]	🟢
b.	Information Security	The institution will maintain compliance with institutional security standards as evaluated in internal and external audits. The institution will have no significant audit deficiencies unresolved beyond one year	Full Compliance	Full Compliance	🟢

NOTES:
(1) The univeristy capital project threshold was revised from $1 million to $2 million effective July 1, 2011. This change was pursuant to the State increasing its capital project
(2) One of five capital projects was not completed within budget. Additional information is provided in the Letter to the Secretary of Finance.
(3) One of five capital projects had owner requested change orders in excess of the 2 percent threshold . Additional information is provided in the Letter to the Secretary of Finance.
(4) There are no major information technology projects, as defined by the Virginia Information Technology Agency (VITA) for the reporting period.

Financial Performance Report
Fourth Quarter 2013-14

Tim Hodge, Assistant Vice President for
Budget and Financial Planning

September 15, 2014

Overview

- The university continuously monitors financial performance

- Each quarter the university provides the Board with an update on financial performance

- The annual budget represents the university's projection of operations
  - The original budget is as reviewed with the Board in June
  - The adjusted budget is revised as new information becomes available

VirginiaTech
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E&G Operating Budget

Performance

- University Division

    - Achieved annual revenue budget

    - Expenditures on target

    - Successfully closed fiscal year

- CE/AES

    - Improvement in collections of Federal funds in agency 229.

- While E&G funds were fully utilized, balance in E&G programs due to:

    - Continuing Education Programs

    - Timing of Federal receipts in agency 229

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Invent the Future

Sponsored Programs Revenue
2011-12 to 2013-14
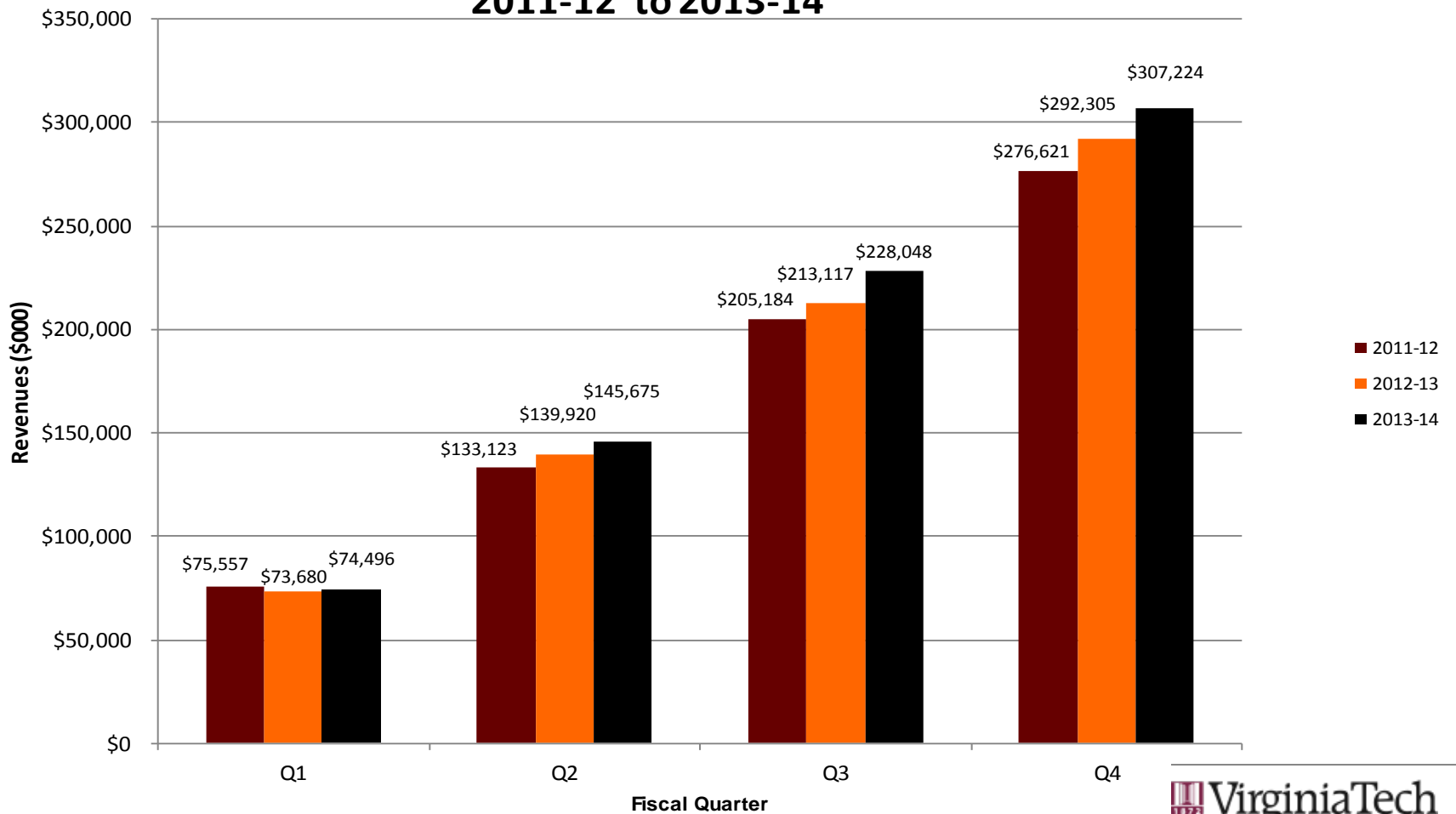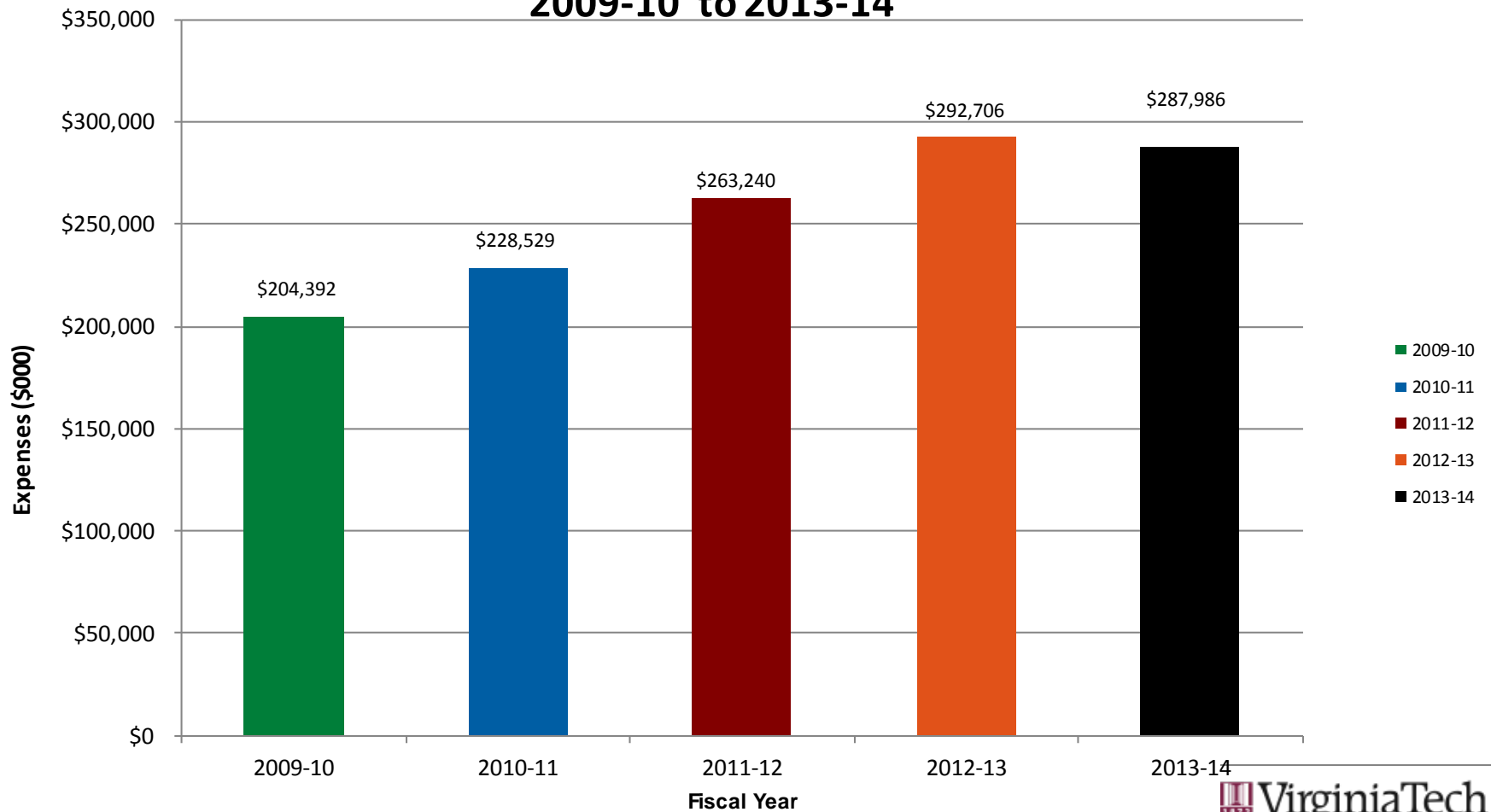
Auxiliary Enterprises

- Key Annual Budget Changes:

    - Printing Services - $300 thousand business volume

- Revenue Performance:

    - Slightly better than projected $4.2M, driven by $3M McComas Hall wall repair settlement/reimbursement.

- Expense Variances:

    - Temporary year end savings due to timing of projects (carryover):

        ❖ Athletics - $2.2M sport facility related projects

        ❖ Other Projects In Progress: $3M (Residential Halls, Electric Service, etc.)

- Overall, units finished the year in good financial position

VirginiaTech
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Capital Outlay

- **Total capital program level currently authorized**
  - $637.5 million over several years

- **Cumulative program expenses**
  - $377.6 million inception-to-date

- **Significant total program adjustments**
  - Classroom Building: The state recently released construction funding and the total project budget increased to $37.2 million from $2 million.
  - McBryde 100 Classroom Renovation: Approved at the June 2014 Board meeting and added to the report.
  - Upper Quad Residential Facilities: A cost overrun requires the $90 million original total authorization to increase $1 million.

Capital Outlay

- **Annual capital budget as of fourth quarter**
  - $102.2 million

- **Annual expenses as of fourth quarter**
  - $100.1 million

- **Annual budget adjustments this quarter**
  - No significant annual budgets adjustments

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Capital Outlay Trends: Annual Performance

CAPITAL PROGRAM ANNUAL PERFORMANCE
Cumulative Monthly Expenditures
Fiscal Year 2013 and Fiscal Year 2014

FY14 Revised Annual Budget ($102,177)

Cumulative Expenses FY14

Cumulative Expenses FY13
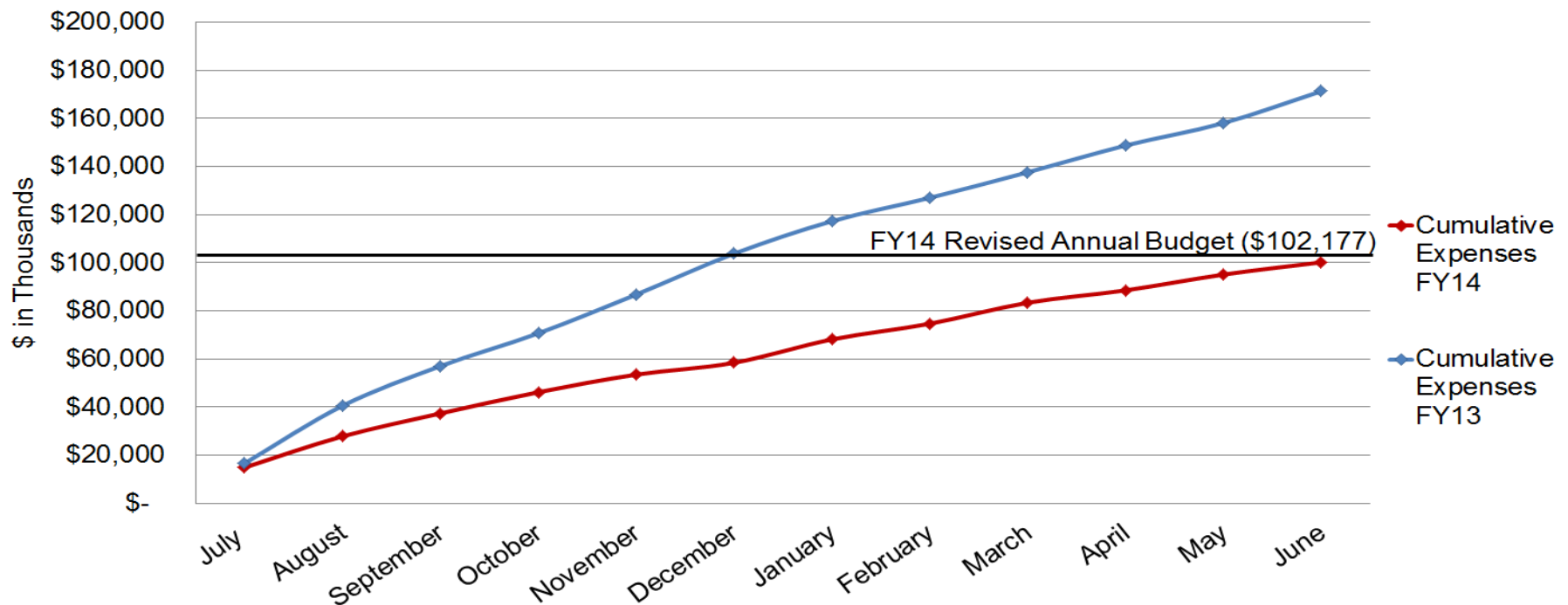
Capital Outlay

- **Major Construction Underway**
  - Upper Quad Residential Facilities

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Capital Outlay Trends: Projects

CAPITAL PROGRAM PROJECTS
Total Number of Active Capital Projects
Fiscal Year 1990 - Fiscal Year 2014
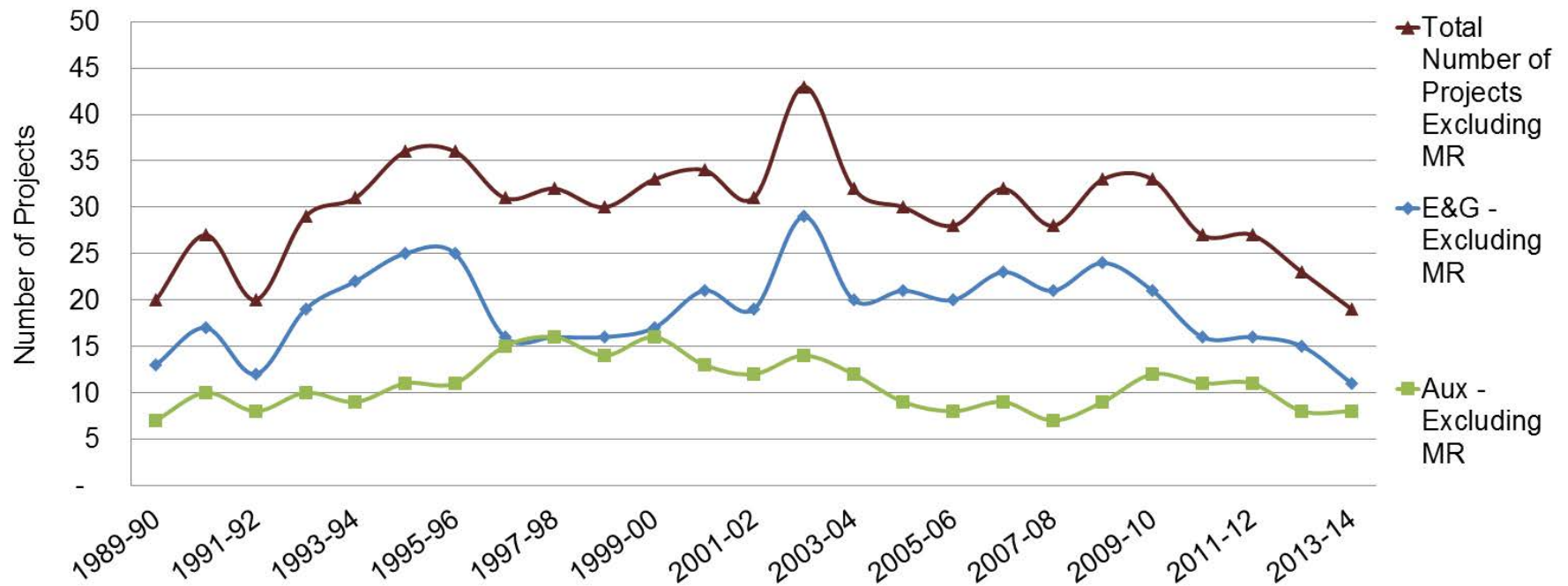
Capital Outlay Trends: Total Budget

CAPITAL PROGRAM TOTAL BUDGET
Total Budget Level of Active Projects
Fiscal Year 1990 - Fiscal Year 2014
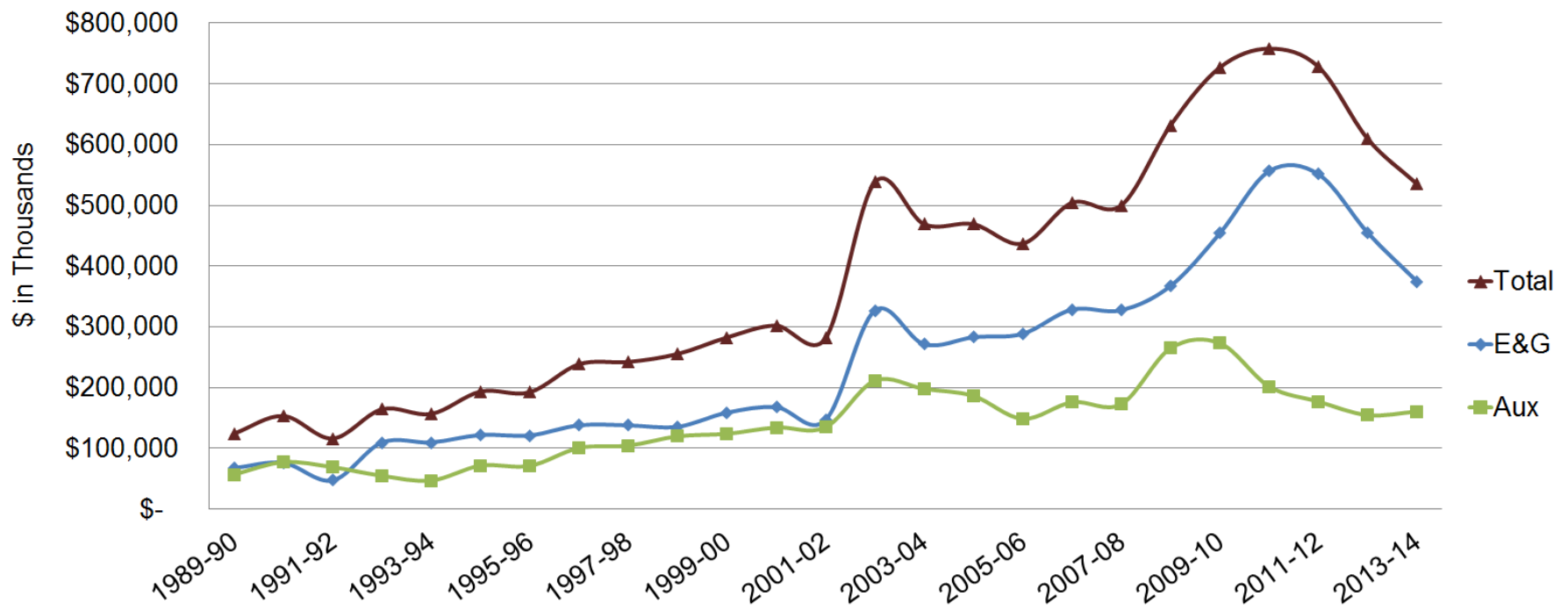
Capital Outlay Trends: Expenses

CAPITAL PROGRAM EXPENDITURE TREND
Total Annual Expenditures for Active Capital Projects
Fiscal Year 1990 - Fiscal Year 2014
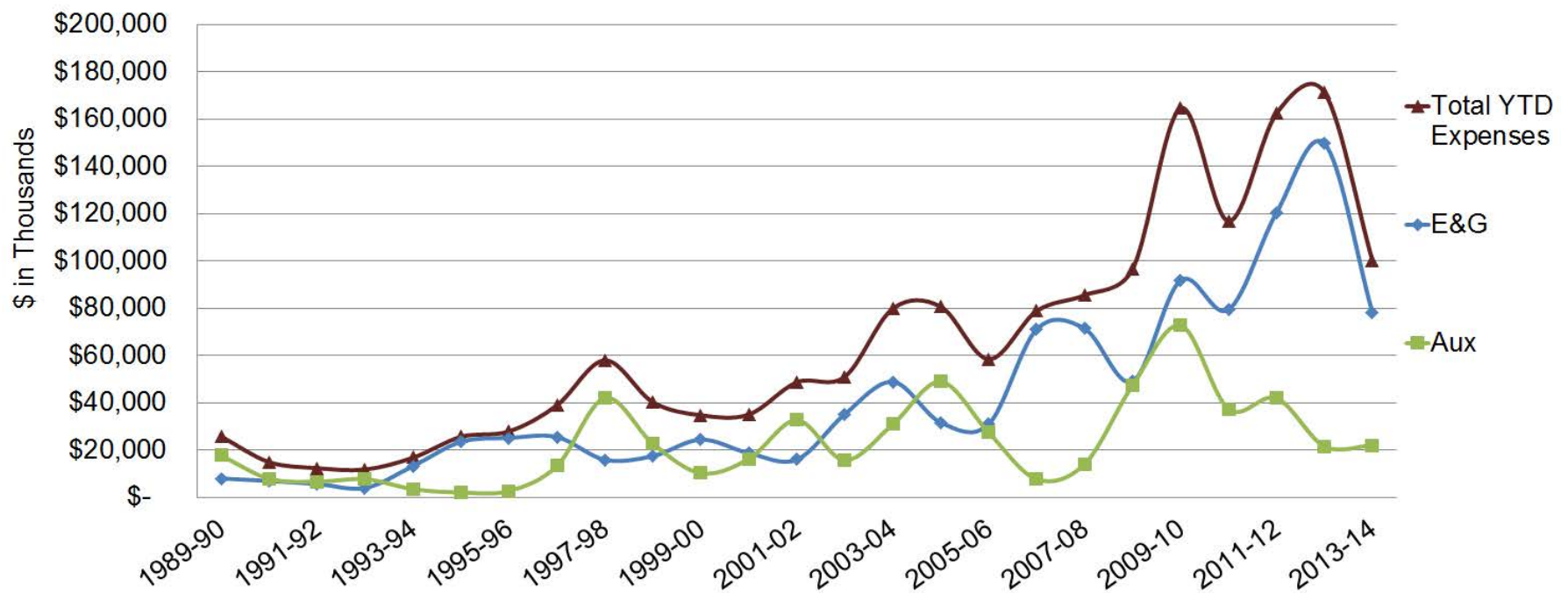
Questions?

Financial Performance Report - Operating and Capital

FINANCE AND AUDIT COMMITTEE

July 1, 2013 to June 30, 2014

The Financial Performance Report of income and expenditures is prepared from two sources: actual accounting data as recorded at Virginia Tech and the annual budgets which are also recorded in the university accounting system. The actual accounting data reflect the modified accrual basis of accounting, which recognizes revenues when received rather than when earned and the expenditures when obligated rather than when paid. The Original Budget was approved by the Board of Visitors at the June meeting. The Adjusted Budget reflects adjustments to incorporate actual experience or changes made during the fiscal year. These changes are presented for review and approval by the Finance and Audit Committee and the Board of Visitors through this report. Where adjustments impact appropriations at the state level, the university coordinates with the Department of Planning and Budget to ensure appropriations are reflected accurately.

The July to June 2013-14 budget (year-to-date) is prepared from historical data which reflects trends in expenditures from previous years as well as known changes in timing. Differences between the actual income and expenditures and the year-to-date budget may occur for a variety of reasons, such as an accelerated or delayed flow of documents through the accounting system, a change in spending patterns at the college level, or increases in revenues for a particular area.

Quarterly budget estimates are prepared to provide an intermediate measure of income and expenditures. Actual revenues and expenditures may vary from the budget estimates. The projected year-end budgets are, however, the final measure of budgetary performance.

1. Tuition and Fees revenue was $1.7 million higher than the revised budget due to conservative budgeting and savings in the unfunded scholarship program.

2. All Other Income is $1.2 million lower than budgeted primarily due to lower than anticipated activity levels for Continuing Education programs.

3. Academic program expenditures are behind historical projections due to the timing of operating expenditures.

4. Support expenditures are ahead of historical projections due to the timing of Equipment Trust Fund reimbursements.

5. The budget for federal revenue is established to match projected allotments from the federal government that are expected to be drawn down during the state fiscal year. All expenses in federal programs are covered by drawdowns of federal revenue up to allotted amounts. Federal revenue in the Cooperative Extension/Agriculture Experiment Station Division was less than the projected budget due the timing of receipt of federal drawdowns and lower than anticipated expenditures.

6. Quarterly and projected annual variances are explained in the Auxiliary Enterprises section of this report.

7. Historical patterns have been used to develop a measure of the revenue and expenditure activity for Sponsored Programs. Actual revenues and expenses may vary from the budget estimates because projects are initiated and concluded on an individual basis without regard to fiscal year. Total sponsored research revenues and expenses are less than projected, but sponsored research revenues are ahead of 2012-13 activity levels.

8. Revenues and Expenses for All Other Programs were less than projected due to lower than budgeted Federal Workstudy, Alumni Affairs, and Surplus Property activity.

9. The General Fund revenue budget has been increased by $29,729 for the Virtual Library of Virginia distribution costs, by $1,958,239 for the actual state central fund distribution for the state share of fringe benefit changes, and by $4,500 for a transfer from Student Financial Assistance to the Educational and General program for assistantships in the Multicultural Academic Opportunities program. The corresponding expenditure budgets have been adjusted accordingly.

10. The annual budget for Tuition and Fees has been increased by $8,937 for the finalization of the budgets for tuition, E&G fees, Veterinary Medicine capitation, and unfunded scholarships. During the year the budget was increased $6,700,000 for strong summer and fall enrollment, by $1,865,463 for winter session and $6,509,537 due to higher than projected spring retention. The corresponding expenditure budgets have been adjusted accordingly.

11. The All Other Income revenue budget for the University Division has been increased by $4,650,000 for Continuing Education and Center for Organizational and Technological Advancement programs, $13,000 for the Child Development Lab, $1,000,000 for the Veterinary Medicine Teaching Hospital, and by $2,014,749 for rental income for the Virginia Tech Carilion School of Medicine. The corresponding expenditure budgets have been adjusted accordingly.

12. Academic and Support program split was revised in order to align with historical patterns.

13. The General Fund revenue budget has been decreased by $62,015 for the actual state central fund distribution for the state share of fringe benefit changes. The corresponding expenditure budgets have been adjusted accordingly.

14. The Federal revenue budget in the Cooperative Extension/Agricultural Experiment Station Division has been increased by $1,021,500 for the carryover of unexpended federal funds and revised calculations of other federal formula funds. The corresponding expenditure budgets have been adjusted accordingly.

15. All Other Income in the Cooperative Extension/Agricultural Experiment Station Division has been increased by $200,000 for increased milk and cattle sales. The corresponding expenditure budgets have been adjusted accordingly.

16. The projected year-end revenue and expense budgets for Student Financial Assistance were increased by $66,600 for the Virginia Military Survivors & Dependents Program and $202,500 for the Two-Year College Transfer Grant.

17. The projected annual budgets for All Other Programs were adjusted $9,058 to finalize the Investment and Debt Management budget,$951,529 for a technical mid-year realignment of fund sources, and $137,407 for outstanding 2012-13 commitments that were initiated but not completed before June 30, 2013.

OPERATING BUDGET
2013-14

Dollars in Thousands

	July 1, 2013 to June 30, 2014			Annual Budget for 2013-14		
	Actual	Budget	Change	Original	Adjusted	Change
Educational and General Programs						
University Division						
Revenues						
General Fund	$151,317	$151,317	$0	$149,324	$151,317	$1,993 (9)
Tuition and Fees	399,612	397,869	1,743 (1)	382,785	397,869	15,084 (10)
All Other Income	37,634	38,850	-1,216 (2)	31,173	38,850	7,677 (11)
Total Revenues	$588,563	$588,036	$527	$563,282	$588,036	$24,754
Expenses						
Academic Programs	$-367,161	$-369,948	$2,787 (3)	$-354,868	$-369,948	$-15,080 (9,10,11,12)
Support Programs	-220,467	-218,088	-2,379 (4)	-208,414	-218,088	-9,674 (9,10,11,12)
Total Expenses	$-587,628	$-588,036	$408	$-563,282	$-588,036	$-24,754
NET	$935	$0	$935	$0	$0	$0
CE/AES Division						
Revenues						
General Fund	$64,614	$64,614	$0	$64,676	$64,614	$-62 (13)
Federal Appropriation	14,839	15,542	-703 (5)	14,521	15,542	1,021 (14)
All Other Income	1,033	1,040	-7	839	1,040	201 (15)
Total Revenues	$80,486	$81,196	$-710	$80,036	$81,196	$1,160
Expenses						
Academic Programs	$-75,746	$-76,118	$372 (5)	$-73,751	$-76,118	$-2,367 (13,14,15)
Support Programs	-4,592	-5,078	486	-6,285	-5,078	1,207 (13,14,15)
Total Expenses	$-80,338	$-81,196	$858	$-80,036	$-81,196	$-1,160
NET	$148	$0	$148	$0	$0	$0
Auxiliary Enterprises						
Revenues	$292,705	$288,499	$4,206 (6)	$286,543	$288,499	$1,956 (6)
Expenses	-276,483	-295,417	18,934 (6)	-281,556	-295,417	-13,861 (6)
Reserve Drawdown (Deposit)	-16,222	6,918	-23,140 (6)	-4,987	6,918	11,905 (6)
NET	$0	$0	$0	$0	$0	$0
Sponsored Programs						
Revenues	$307,249	$329,738	$-22,489 (7)	$329,738	$329,738	$0
Expenses	-287,986	-329,738	41,752 (7)	-329,738	-329,738	0
Reserve Drawdown (Deposit)	-19,263	0	-19,263	0	0	0
NET	$0	$0	$0	$0	$0	$0
Student Financial Assistance						
General Fund	$19,976	$19,976	$0	$19,706	$19,976	$270 (16)
Expenses	-19,980	-19,980	0	-19,706	-19,980	-274 (16)
Reserve Drawdown	4	4	0	0	4	4
NET	$0	$0	$0	$0	$0	$0
All Other Programs *						
Revenue	$5,491	$5,782	$-291 (8)	$6,313	$5,782	$-531 (17)
Expenses	-4,885	-5,490	605 (8)	-6,313	-5,490	823 (17)
Reserve Drawdown (Deposit)	-606	-292	-314 (8)	0	-292	-292 (17)
NET	$0	$0	$0	$0	$0	$0
Total University						
Revenues	$1,294,470	$1,313,227	$-18,757	$1,285,618	$1,313,227	$27,609
Expenses	-1,257,300	-1,319,857	62,557	-1,280,631	-1,319,857	-39,226
Reserve Drawdown (Deposit)	-36,087	6,630	-42,717	-4,987	6,630	11,617
NET	$1,083	$0	$1,083	$0	$0	$0

* All Other Programs include federal work study, alumni affairs, surplus property, and unique military activities.

Presentation Date: September 15, 2014

AUXILIARY ENTERPRISE BUDGET

1. Residence and Dining Hall revenues are higher than projected due to self-generated revenue from conference and dining business activity. Expenses are lower than expected due to timing of operating expenses for summer projects such as replacement of furniture and equipment, and facility improvements at the Steger Center for International Scholarship.

2. Revenues and expenses in Parking and Transportation Services are lower than projected due to lower than forecasted Fleet Services business volume and Parking Services permit sales.

3. Expenses in Telecommunications Services are lower than projected due to timing of equipment purchases related to campus telecommunication infrastructure projects and project cost savings.

4. Revenues for University Services System are higher than projected due to McComas Hall wall repair settlement. Expenses are lower than projected due to timing of operating expenses for new Center for the Arts facility.

5. Revenues for Intercollegiate Athletics are higher than projected due to higher than projected football ticket sales, conference allocation, concession sales, and multimedia revenue. Expenses are lower than projected due to timing of operating expenses and one-time sports facility projects.

6. Revenue and expenses for the Electric Service auxiliary are lower than projected due to lower than anticipated electricity consumption. Expenses are also lower due to lower than forecasted total cost of purchased electricity as well as the timing of items ordered but not yet received thus not paid at fiscal year-end.

7. Revenues for the Inn at Virginia Tech and Skelton Conference Center are higher than projected due to higher than forecasted business activity. Expenses are lower than projected due to timing of one-time projects in progress.

8. Revenues for Other Enterprise Functions are higher than projected due to higher than projected Orientation participation, student software sales, and royalties from merchandise sales within Licensing and Trademarks. Expenses for Other Enterprise functions are lower than projected due to timing of operating expenses and infrastructure projects.

9. The projected annual expense budget for Auxiliary Enterprises was adjusted for $6.5 million in outstanding 2012-13 commitments and projects that were initiated but not completed before June 30, 2013. This amount includes $1.5 million in Telecommunications projects, and $2.8 million in Residence Hall projects. The remainder is spread across other auxiliary programs.

10. The projected annual revenue, expense and reserve budgets for Residence and Dining Halls were adjusted for $2.4 million in increased business volume due to higher than projected residential occupancy, Dining self-generated revenue, food and labor expenses, one-time project expenses in the residence halls, and $1.9 million for a planned contribution to the Upper Quad capital project.

11. The projected annual revenue and expense budgets for Telecommunications Services were adjusted for increased on-campus project activity and one-time telecommunication projects associated with campus capital project activity. These adjustments were partially offset by decreased revenues and expenses associated with the updated Unified Communications Project planning assumptions and activity in the National Capital Region.

12. The projected annual revenue, expense, and reserve budgets for University Services System were adjusted for roof and concrete repairs in Student Centers, career fairs, and planned Marching Virginians uniform replacement.

13. The projected annual revenue budget for Intercollegiate Athletics was adjusted $221,000 to accommodate decreased revenue from season ticket sales for football, men's basketball, and women's basketball These decreases were offset by increased revenue from the Sun Bowl, men's basketball away settlements, football student season tickets, conference allocation, NCAA enhancement and opportunity fund, and Licensing. Annual expense and reserve draw budgets were adjusted $5.1 million to accommodate the Marching Virginian's practice facility, the Sun Bowl, the procurement of equipment, operating adjustments, and personnel adjustments.

14. The projected annual revenue, expense, and reserve budgets for Electric Services were adjusted to accommodate for revised 2013-14 cost of wholesale electricity and reduced customer rates, for an allowance to plan for the next substation, as well as for the purchase of new equipment.

15. The projected annual revenue and expense budgets for the Inn at Virginia Tech and Skelton Conference Center were adjusted $625,000 to accommodate decreased business volume.

16. The projected annual revenue, expense, and reserve budgets for Other Enterprise Functions were adjusted for Central Chiller Plant Infrastructure, timing of clearing accounts, Licensing and Trademark scholarship contributions and decreased royalty income, increased Orientation participation, Rescue Squad garage project, Tailor Shop one-time project, contractual changes in the Library Café, increased Printing Services business activity, and increased Library Photocopy business activity.

Presentation Date: September 15, 2014

UNIVERSITY DIVISION
AUXILIARY ENTERPRISES

Dollars in Thousands

	July 1, 2013 to June 30, 2014			Annual Budget for 2013-14		
	Actual	Budget	Change	Original	Adjusted	Change
Residence and Dining Halls						
Revenues	$104,182	$103,680	$502 (1)	$101,342	$103,680	$2,338 (10)
Expenses	-99,638	-104,108	4,470 (1)	-97,575	-104,108	-6,533 (9,10)
Reserve Drawdown (Deposit)	-4,544	428	-4,972 (1)	-3,767	428	4,195 (9,10)
Net	$0	$0	$0	$0	$0	$0
Parking and Transportation						
Revenues	$11,926	$12,736	$-810 (2)	$12,736	$12,736	$0
Expenses	-12,463	-13,736	1,273 (2)	-13,242	-13,736	-494 (9)
Reserve Drawdown (Deposit)	537	1,000	-463 (2)	506	1,000	494 (9)
Net	$0	$0	$0	$0	$0	$0
Telecommunications Services						
Revenues	$20,010	$20,136	$-126	$19,337	$20,136	$799 (11)
Expenses	-20,040	-21,432	1,392 (3)	-19,148	-21,432	-2,284 (9,11)
Reserve Drawdown (Deposit)	30	1,296	-1,266 (3)	-189	1,296	1,485 (9,11)
Net	$0	$0	$0	$0	$0	$0
University Services System						
Revenues	$43,467	$40,153	$3,314 (4)	$40,099	$40,153	$54 (12)
Expenses	-37,728	-40,684	2,956 (4)	-39,082	-40,684	-1,602 (9,12)
Reserve Drawdown (Deposit)	-5,739	531	-6,270 (4)	-1,017	531	1,548 (9,12)
Net	$0	$0	$0	$0	$0	$0
Intercollegiate Athletics						
Revenues	$56,661	$55,728	$933 (5)	$55,507	$55,728	$221 (13)
Expenses	-57,110	-60,640	3,530 (5)	-55,590	-60,640	-5,050 (9,13)
Reserve Drawdown (Deposit)	449	4,912	-4,463 (5)	83	4,912	4,829 (9,13)
Net	$0	$0	$0	$0	$0	$0
Electric Service						
Revenues	$34,980	$35,506	$-526 (6)	$36,377	$35,506	$-871 (14)
Expenses	-33,556	-35,310	1,754 (6)	-35,642	-35,310	332 (9,14)
Reserve Drawdown (Deposit)	-1,424	-196	-1,228 (6)	-735	-196	539 (9,14)
Net	$0	$0	$0	$0	$0	$0
Inn at Virginia Tech/Skelton Conf. Center						
Revenues	$10,887	$10,453	$434 (7)	$11,078	$10,453	$-625 (15)
Expenses	-10,682	-10,949	267 (7)	-11,375	-10,949	426 (9,15)
Reserve Drawdown (Deposit)	-205	496	-701 (7)	297	496	199 (9,15)
Net	$0	$0	$0	$0	$0	$0
Other Enterprise Functions						
Revenues	$10,592	$10,107	$485 (8)	$10,067	$10,107	$40 (16)
Expenses	-5,266	-8,558	3,292 (8)	-9,902	-8,558	1,344 (9,16)
Reserve Drawdown (Deposit)	-5,326	-1,549	-3,777 (8)	-165	-1,549	-1,384 (9,16)
Net	$0	$0	$0	$0	$0	$0
TOTAL AUXILIARIES						
Revenues	$292,705	$288,499	$4,206	$286,543	$288,499	$1,956
Expenses	-276,483	-295,417	18,934	-281,556	-295,417	-13,861
Reserve Drawdown (Deposit)	-16,222	6,918	-23,140	-4,987	6,918	11,905
Net	$0	$0	$0	$0	$0	$0

Presentation Date: September 15, 2014

CAPITAL OUTLAY BUDGET

Educational and General Projects

1. The total project budget amounts reflect the balance of maintenance reserve appropriation carried forward from fiscal year 2013 and the state's fiscal year 2014 allocation of $5.649 million of Maintenance Reserve funds. The total budget was adjusted in the fourth quarter to reflect full appropriation allotments. The amount of cumulative expenditures exceeds the state required 85 percent performance requirement.

2. This project will support progress on fire alarm systems and accessibility improvements for several E&G buildings 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. The implementation plan calls for improvements to be executed in multiple packages, and construction funding will be released on a package-by-package basis. Construction for the first subproject, the Food Science and Technology Building is underway.

3. This project is for a 73,000 gross square foot classroom building to meet the university's instructional classroom and laboratory needs. The state approved at total project budget of $40.85 million inclusive of $3.65 million of equipment on November 8, 2013, and the university is awaiting final market pricing expected in August 2014 to start construction. Year-to-date expenditures exceeded the annual budget because expenses expected in fiscal year 2015 were invoiced in fiscal year 2014. Resources were sufficient to cover the accelerated cash outflow and the project remains within budget.

4. This project will renovate the 5,900 gross square foot, 560 seat McBryde 100 Classroom and restore the space to a state-of-the-art learning environment for the benefit of undergraduate education. Design work is underway and construction is expected to occur during the summer of 2015 so that the classroom is ready to be utilized for the fall 2015 academic semester.

5. This project will plan the renovation of three academic buildings located in the core of main campus bordering the Drillfield: Davidson Hall-Front Section, Sandy Hall, and the Liberal Arts Building. Preliminary Design work is complete, and the project is scheduled to be ready for construction funding by fall 2014. The state has authorized a total project cost of $26.3 million based on schematic designs. Because construction funding was not included in the fiscal year 2015 budget, the university has requested construction funding for fiscal year 2016.

6. The instructional components of the Dairy Science program are being relocated to Kentland through a project with the Virginia Tech Foundation. This project is for planning the relocation of six remaining agricultural facilities with three new facilities. The new facilities include a metabolism research laboratory, an applied reproduction facility, and a building for animal demonstration, handling, and holding spaces. The university requested funding for full planning and construction in the fiscal year 2015 budget. Schematic design is nearly complete, and the university has requested construction funding for fiscal year 2016.

7. This project will construct a facility to accommodate the practice needs of the Marching Virginians. The project envisions three components: a facility, a covered open air pavilion, and an artificial turf field. Design work is complete and the project is currently out for bid. The project schedule has been revised for completion of the field by spring 2015 and completion of the building remains summer 2015.

8. The project is complete and has been occupied since August 2012 with a total anticipated cost of $44.3 million. The project remains open while the university works to address odor dispersion concerns from occupants of adjacent buildings. The project may be closed and financial accounts terminated when completion of the authorized scope has been verified by the Chief Facilities Officer.

9. The project is complete and has been occupied since July 2013. The project may be closed and financial accounts terminated when completion of the authorized scope has been verified by the Chief Facilities Officer.

10. The project is complete and has been occupied since January 2014. The project may be closed and financial accounts terminated when completion of the authorized scope has been verified by the Chief Facilities Officer.

11. The project is complete and has been occupied since October 2013. The project may be closed and financial accounts terminated when completion of the authorized scope has been verified by the Chief Facilities Officer.

12. The project is complete and has been occupied since June 2014. The total project costs are over the authorized budget and the university is working with the state to infuse additional general fund resources. The project may be closed and financial accounts terminated when completion of the authorized scope has been verified by the Chief Facilities Officer.

13. The project is complete and has been occupied since June 2014. The project may be closed and financial accounts terminated when completion of the authorized scope has been verified by the Chief Facilities Officer.

14. This is a subproject of a Blanket Authorization, which allows unforeseen small projects to be authorized administratively with nongeneral funds for expediency. This project includes a $3.5 million authorization to initiate planning for a Sciences Laboratory Building that has been on hold.

15. This project is envisioned to provide an 80,000 gross square foot scientific laboratory facility to support interdisciplinary instruction and research. The university is working with the appropriate state funding entities for this project to be reviewed for funding consideration in fiscal year 2016.

Presentation Date: September 15, 2014

CAPITAL OUTLAY PROJECTS
AUTHORIZED AS OF JUNE 30, 2014

Dollars in Thousands

	CURRENT YEAR			TOTAL PROJECT BUDGET					
	ORIGINAL ANNUAL BUDGET	REVISED ANNUAL BUDGET	YTD EXPENSES	STATE SUPPORT	GENERAL OBLIGATION BOND	NONGENERAL FUND	REVENUE BOND	TOTAL BUDGET	CUMULATIVE EXPENSES
Educational and General Projects									
<u>Educational and General Maintenance Reserve</u>									
Maintenance Reserve	6,723	8,250	8,242	13,427	0	0	0	13,427	12,252 (1)
<u>Design Phase</u>									
Address Fire Alarm Systems and Access	1,500	500	133	5,501	0	0	0	5,501	312 (2)
Classroom Building	10,000	965	1,611	37,210	0	0	0	37,210	2,646 (3)
McBryde 100 Classroom Renovation	0	0	0	0	0	2,800	0	2,800	0 (4)
Planning: Academic Buildings Renewal	1,348	1,348	1,311	0	0	1,889	0	1,889	1,311 (5)
Planning: Improve Kentland Facilities	152	152	128	0	0	1,500	0	1,500	128 (6)
<u>Construction Phase</u>									
Marching Virginians Practice Facility	0	400	189	0	0	4,750	0	4,750	189 (7)
<u>Close-Out</u>									
Academic and Student Affairs Building	0	1,989	694	0	0	0	45,153	45,153	43,858 (8)
Chiller Plant, Phase I	1,598	2,435	1,857	12,059	0	400	7,639	20,098	19,519 (9)
Human & Agricultural Biosciences Building I	9,500	16,300	15,612	53,759	0	0	0	53,759	52,450 (10)
Performing Arts Center	14,187	18,500	17,717	27,387	0	32,565	40,135	100,087	98,493 (11)
Renovate Davidson Hall, Phase I	9,719	11,300	10,983	31,119	0	0	0	31,119	30,410 (12)
Signature Engineering Building	16,000	21,000	19,634	47,609	0	18,650	28,959	95,218	75,825 (13)
<u>On Hold and Not Funded</u>									
Blanket: E&G Research Projects	0	0	0	0	0	3,500	0	3,500	547 (14)
Sciences Building Laboratory I	10,000	0	0	0	0	0	0	0	0 (15)
TOTAL	80,727	83,139	78,111	228,071	0	66,054	121,886	416,011	337,940

Presentation Date: September 15, 2014

CAPITAL OUTLAY BUDGET (Continued)

Auxiliary Enterprises Projects

1. Projects are scheduled and funded by the auxiliary enterprises during the annual Auxiliary Enterprise budgeting process. The units prepare five-year plans that outline their highest priority deferred maintenance needs. The annual budget reflects the spending plans of the auxiliary units on scheduled maintenance reserve work for fiscal year 2014. The outstanding balance is committed to a five year forward looking maintenance plan to ensure sufficient resources are available for major maintenance repairs. The auxiliary maintenance reserve program covers 93 assets with a total replacement value of $1 billion. Year-to-date expenses exceeded the annual budget because expenses expected in fiscal year 2015 were invoiced in fiscal year 2014. Resources were sufficient to cover the additional cash outflow.

2. This project will plan a 3,000 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. Procurement of design services is underway.

3. This project will plan the replacement of the natural turf south recreation field surface with a synthetic turf playing surface. The project will create a multi-purpose area that may be arranged as six flag football fields, or six soccer fields, or four 300-foot softball fields. The improvements will include fencing, lighting, and a nine-foot asphalt path around the field to allow for maintenance vehicle traffic and to create a jogging/walking path.

4. This project will build a new field house to increase the availability of indoor training time for the football program and other athletic programs. The construction phase is underway with substantial completion expected in August 2015. The total cost is expected to be $21.3 million and the authorization will be underspent.

5. 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. The total expected costs are $16.5 million, and this project is anticipated to be complete in fall 2016. Year-to-date expenses exceeded the annual budget because expenses expected in fiscal year 2015 were invoiced in fiscal year 2014. Resources were sufficient to cover the additional cash outflow.

6. This project replaces Rasche and Brodie with two new residential facilities and razes Thomas and Monteith. The original authorized budget was $90 million. A cost overrun for stone instillation requires a total project authorization increase of $1 million. The university has worked with the auxiliary enterprise to identify funding for this unexpected cost. This project is anticipated to be complete by fall semester 2016 based on a three-year construction schedule. Year-to-date expenses exceeded the annual budget because expenses expected in fiscal year 2015 were invoiced in fiscal year 2014. Resources were sufficient to cover the additional cash outflow.

7. This project is complete and has been closed with final project costs of $1.792 million.

8. The subproject is complete, the house is occupied, and the financial accounts will be closed when final payments are processed. The subproject was delivered under a Public-Private Partnership Agreement. The original subproject budget was $4.663 million. The university exceeded the infrastructure component by $279,000 which was covered by auxiliary enterprise revenue, and the private partner exceeded the house component of the budget by $1.06 million and agreed to fund the overrun with private sources. The total budget for this subproject was increased to $6.002 million accordingly.

9. This project is complete and has been closed with final project costs of $3.375 million.

10. This project envisioned 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.

11. 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.

12. This is the remaining unallocated authorization of the original $23.5 million Oak Lane Community, Phase IV project. The outstanding Oak Lane Community expansion, houses two through five and their necessary site improvements, may be constructed as organizations come forward with program and financing plans.

Capital Outlay Projects Authorized as of June 30, 2014 (Continued)

Dollars in Thousands

	CURRENT YEAR			TOTAL PROJECT BUDGET					
	ORIGINAL ANNUAL BUDGET	REVISED ANNUAL BUDGET	YTD EXPENSES	STATE SUPPORT	GENERAL OBLIGATION BOND	NONGENERAL FUND	REVENUE BOND	TOTAL BUDGET	CUMULATIVE EXPENSES
Auxiliary Enterprises Projects									
Auxiliary Maintenance Reserve									
Maintenance Reserve	6,400	6,400	6,770	0	0	17,161	0	17,161	6,770 (1)
Design Phase									
Health Center Improvements	0	10	0	0	0	0	200	200	0 (2)
South Recreation Field Surface Replacement	0	65	34	0	0	0	230	230	34 (3)
Construction Phase									
Indoor Athletic Training Facility	0	1,500	1,211	0	0	21,300	3,700	25,000	1,219 (4)
Unified Communications & Network Renewal	1,920	2,500	2,959	0	0	4,500	12,008	16,508	11,349 (5)
Upper Quad Residential Facilities	5,795	6,500	9,093	0	0	17,662	72,338	90,000	9,097 (6)
Close-Out									
Campus Fiber Optic Improvement	492	492	522	0	0	2,000	0	2,000	1,792 (7)
Phase IV of Oak Lane Community (House 1)	996	1,302	1,181	0	0	6,002	0	6,002	5,881 (8)
Repair McComas Hall Exterior Wall Structure, Ph III	510	269	269	0	0	3,375	0	3,375	3,375 (9)
On Hold and Not Funded									
New Residence Hall II	0	0	0	0	0	0	27,000	27,000	182 (10)
Parking Blanket Authorizations Balance	0	0	0	0	0	0	16,547	16,547	0 (11)
Phase IV of Oak Lane Community (Houses 2 - 5)	0	0	0	0	0	0	17,498	17,498	0 (12)
TOTAL	16,113	19,038	22,039	0	0	72,000	149,521	221,521	39,699
GRAND TOTAL	$ 96,840	$ 102,177	$ 100,150	$ 228,071	$ -	$ 138,054	$ 271,407	$ 637,532	$ 377,639

RECOMMENDATION:

That the report of income and expenditures for the University Division and the Cooperative Extension/Agricultural Experiment Station Division for the period of
July 1, 2013 through June 30, 2014 and the Capital Outlay report be accepted.

September 15, 2014   9

CAPITAL PROGRAM ANNUAL PERFORMANCE
Cumulative Monthly Expenditures

Fiscal Year 2013 and Fiscal Year 2014

FY14 Revised Annual Budget ($102,177)

Cumulative Expenses FY14

Cumulative Expenses FY13
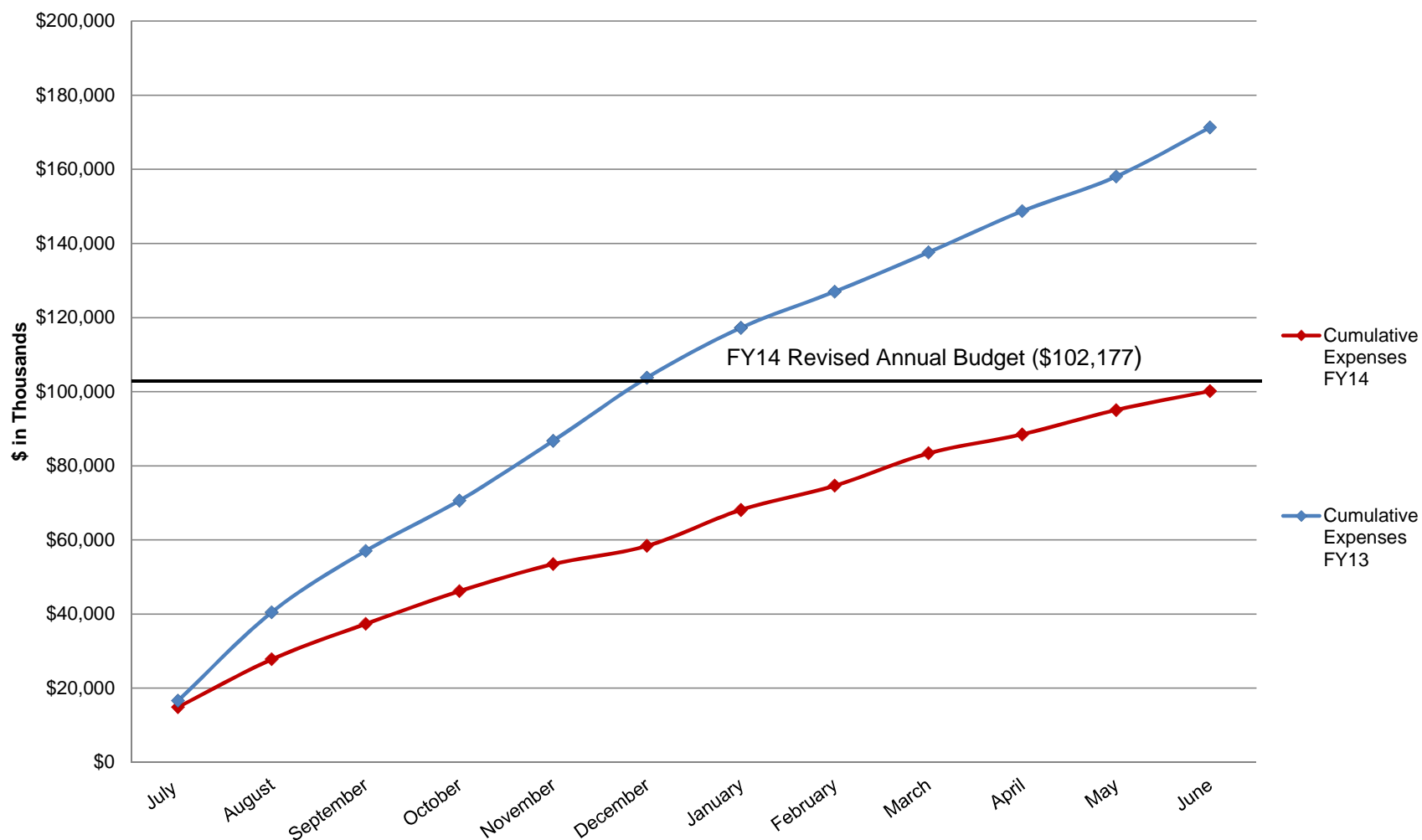
Presentation Date: September 15, 2014

CAPITAL PROGRAM EXPENSE TREND
Total Annual Expenses for Active Capital Projects
Fiscal Year 1990 - Fiscal Year 2014
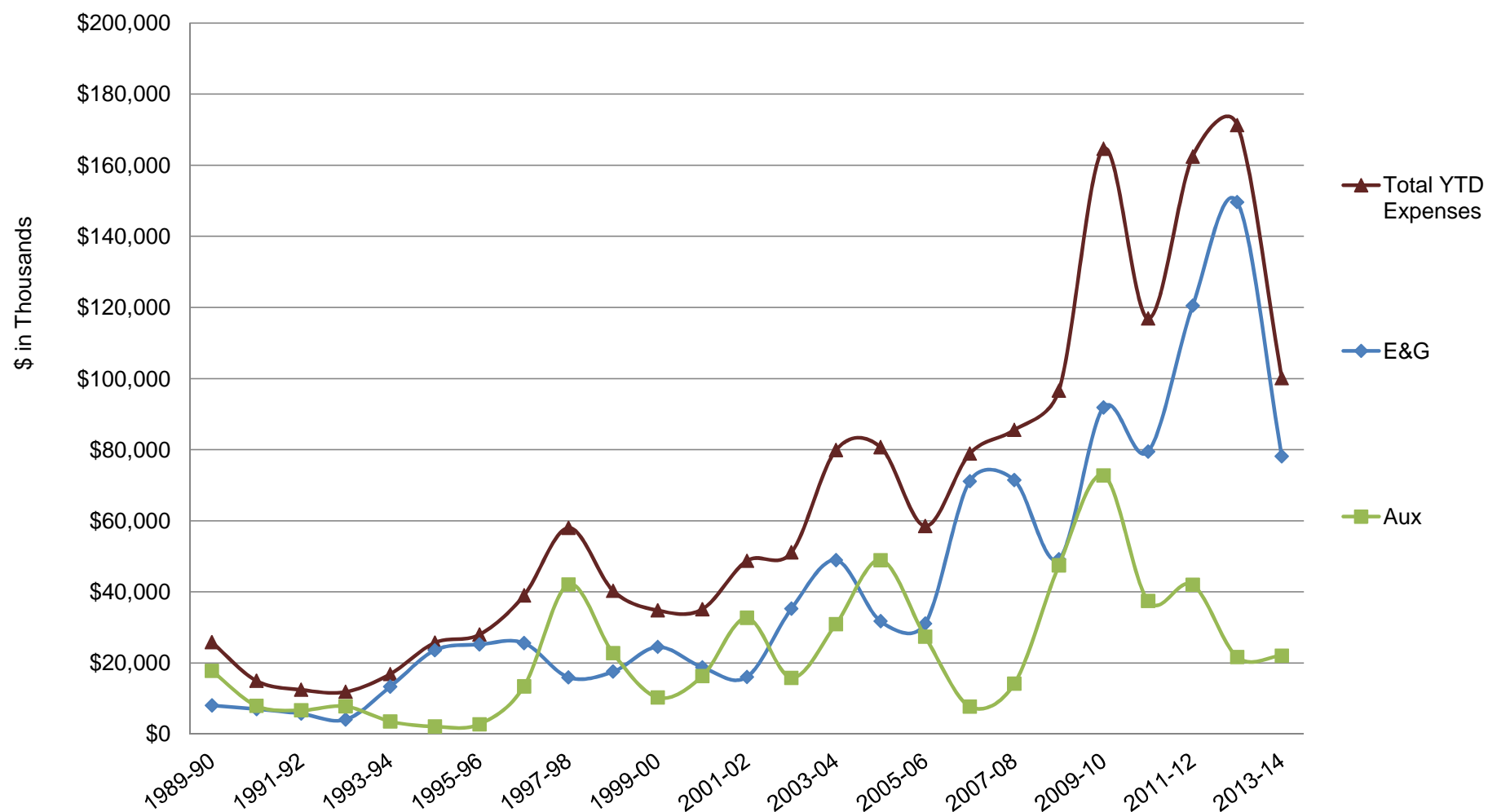
CAPITAL PROGRAM PROJECTS
Total Number of Active Capital Projects
Fiscal Year 1990 - Fiscal Year 2014
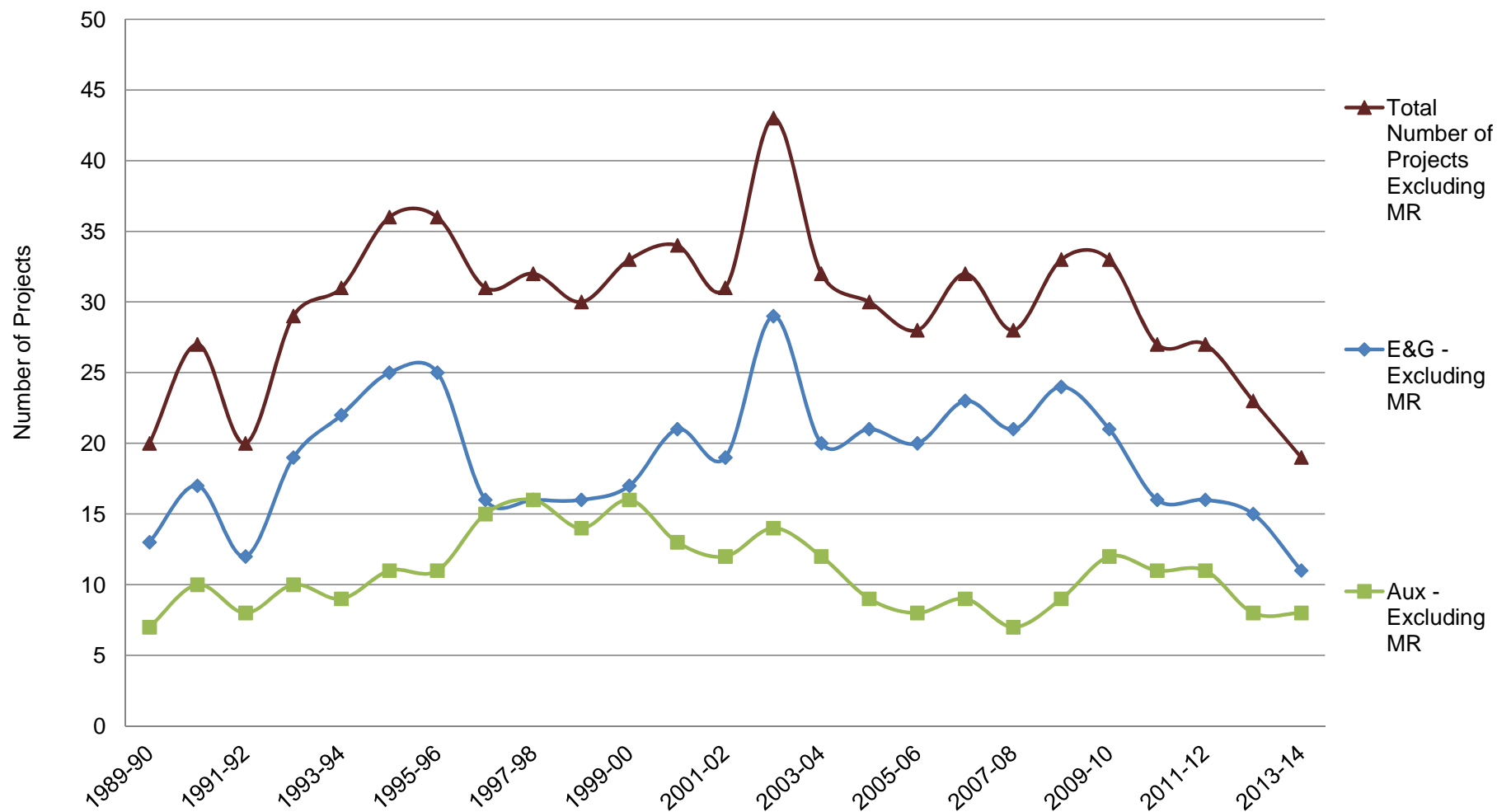
CAPITAL PROGRAM TOTAL BUDGET
Total Budget Level of Active Projects
Fiscal Year 1990 - Fiscal Year 2014
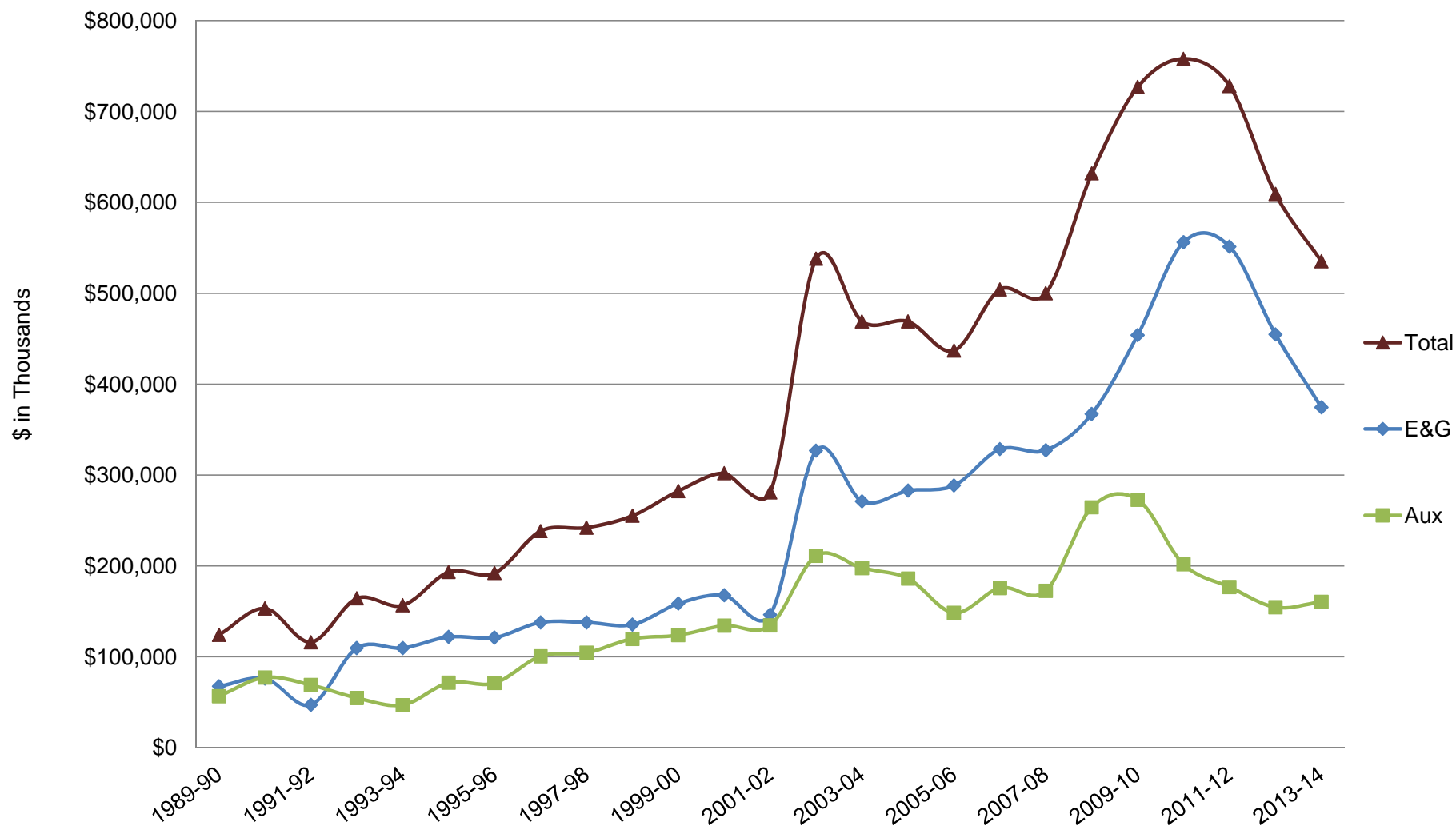
CAPITAL PROGRAM AVERAGE COST TREND
Average Cost for Active Projects vs. ENR Escalation
Fiscal Year 1990 - Fiscal Year 2014

Presentation Date: September 15, 2014
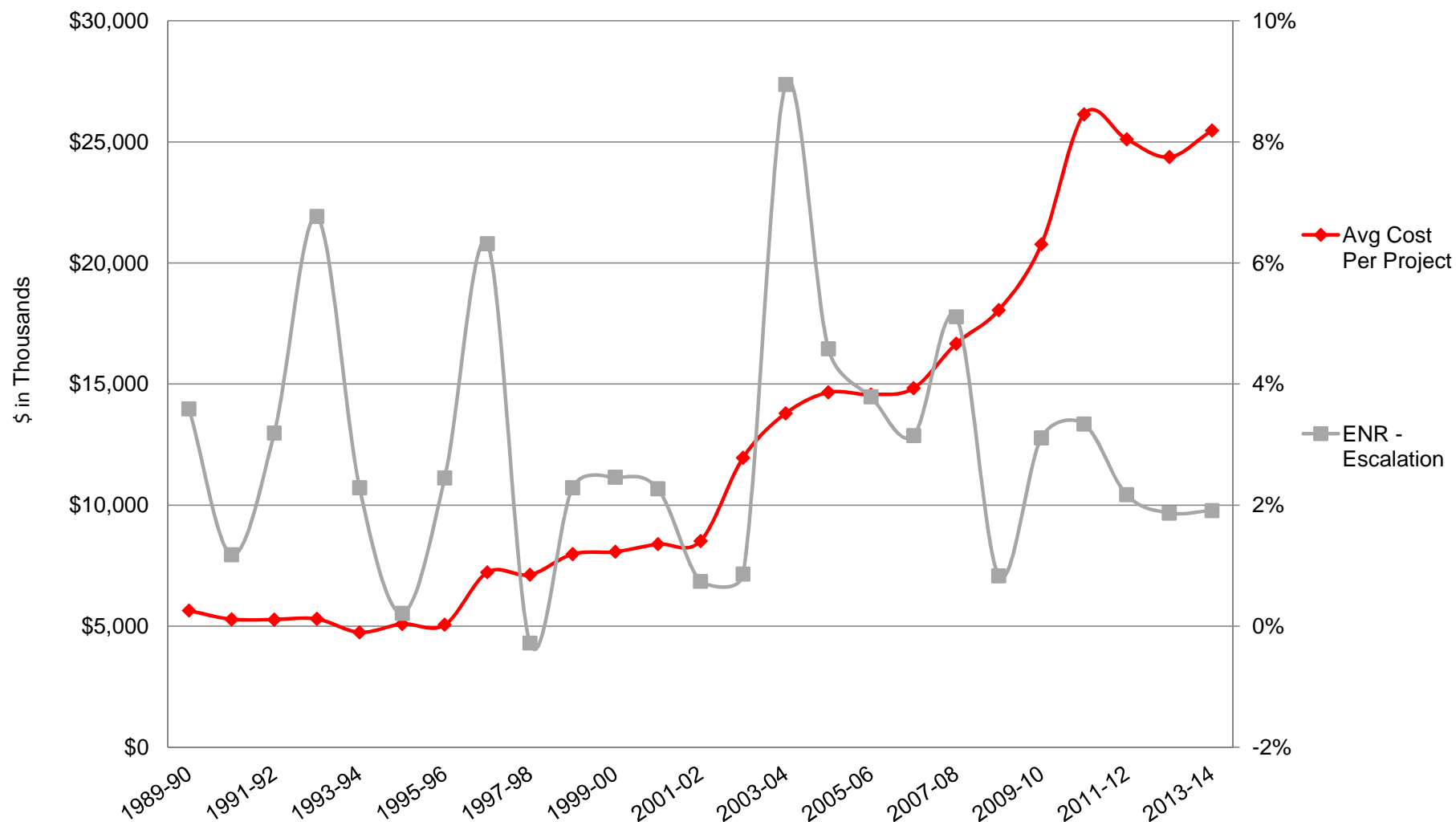
Capital Project for Constructing the South Recreation Field Surface Replacement

**JOINT FINANCE AND AUDIT COMMITTEE
AND BUILDINGS AND GROUNDS COMMITTEE**

August 3, 2014

In March 2014, the Board of Visitors approved a $230,000 planning authorization for the South Recreation Field Surface Replacement project. The project is in the preliminary design phase and will be ready to enter the construction phase this fall. In accordance with the scope of the authorized planning project, the designed solution proposes to replace the remaining natural turf fields with synthetic turf to create a multi-purpose area that may be arranged as six flag football fields, or six soccer fields, or four 300-foot softball fields. The scope includes perimeter fencing, reuse of existing lighting, and a ten-foot wide asphalt path constructed around the field.

These improvements would allow Recreational Sports to meet several high priority student expectations for outdoor recreation space, address the backlog of teams requesting to participate in intramural and club sports, significantly reduce game cancellations and season curtailment because of inclement weather, provide a place for teams to practice during the beginning of spring semester, and meet demand for additional sports.

As with all self-supporting projects, the university has developed a financing plan to support the project. The total project budget is $4.6 million; and annual debt service is estimated to be $380,000. The timing of the project request has been coordinated with the 2016 retirement of debt for the original construction of McComas Hall. The funding plan for debt service calls for the redirection of existing Recreational Sports student fee revenues when debt on the original McComas Hall project retires. Thus, student fees will not be increased for this project, and the revenue source is sufficient to cover this amount. Temporary short-term financing will be secured to cover project costs until permanent debt is issued.

Under the 2006 Management Agreement between the Commonwealth of Virginia and the university, the Board of Visitors has the authority to approve the budget, size, scope, debt issuance, and overall funding of nongeneral fund capital outlay projects. This request is for a $4.37 million authorization supplement to the existing $230,000 planning authorization to complete the South Recreation Field Surface Replacement project.

Presentation Date: September 15, 2014

**RESOLUTION ON CAPITAL PROJECT FOR
CONSTRUCTING THE SOUTH RECREATION FIELD SURFACE REPLACEMENT**

WHEREAS, the Board of Visitors approved a $230,000 planning authorization for the South Recreation Field Surface Replacement project in March 2014; and,

WHEREAS, the project scope is to replace the remaining natural turf fields with synthetic turf to create a multi-purpose area, reuse of existing lighting, install fencing around the fields, and install a ten-foot wide asphalt path around the field area; and,

WHEREAS, project is in the preliminary design phase and will be ready to enter the construction phase this fall; and,

WHEREAS, the total project budget is $4.6 million, including this supplement request of $4.37 million; and,

WHEREAS, the university has developed a 100 percent nongeneral fund resource plan for the project; and,

WHEREAS, under the 2006 Management Agreement between the Commonwealth of Virginia and the university, the university has the authority to issue bonds, notes or other obligations that do not constitute State tax supported debt; and,

WHEREAS, the Finance and Audit Committee will further review and approve a financing resolution prior to securing permanent financing for the debt component of the project plus amounts needed to fund issuance costs, reserve funds, and other financing expenses; and,

WHEREAS, under the 2006 Management Agreement between the Commonwealth of Virginia and the university, the Board of Visitors has authority to approve the budget, size, scope, debt issuance, and overall funding of nongeneral funded major capital outlay projects; and,

NOW, THEREFORE BE IT RESOLVED, that the university be authorized to move forward with a $4.37 million supplement authorization to complete the South Recreation Field Surface Replacement project and to secure temporary short-term financing through any borrowing mechanism that prior to such borrowing has been approved by the Board, as applicable, in an aggregate principal amount not to exceed the $4.6 million total project costs, plus related issuance costs and financing expenses.

RECOMMENDATION:

That the resolution authorizing Virginia Tech to complete the design, construction, and equipping of the South Recreation Field Surface Replacement project be approved.

September 15, 2014

Presentation Date: September 15, 2014

Committee Minutes

Committee on Research

Solitude Room
The Inn at Virginia Tech and Skelton Conference Center
4:45-6:00 p.m.

September 14, 2014

Committee Members Present:

Mr. John Lee, IV, Chair
Dr. Nancy Dye
Dr. J. Thomas Ryan
Mr. Mehul Sanghani

Guests:

Dr. Timothy Sands, Dr. Robert Walters, Mr. Dwight Shelton Jr., Mr. James L. Chapman, Ms. Sue Chapman, Mr. Dan Cook, Dr. John Dooley, Dr. Mr. William D. Fairchild III, Mr. Cordel L. Faulk, Mr. B. Keith Fulton, Mr. Tim Hodge, Ms. Deborah Petrine, Mr. Martin Daniel, Mr. Bien Doung, Dr. Karen DePauw, Dr. Stefan Duma, Dr. Srinath Ekkad, Dr. Guru Ghosh, Ms. Ashley Francis, Dr. Bernice Hausman, Ms. Natalie Hart, Ms. Kay Heidbreder, Ms. Elizabeth Hooper, Mr. Austin Larrowe, Dr. Steven McKnight, Mr. John Pastor, Dr. Ellen Plummer, Dr. Scott Midkiff, Ms. Kim O'Rourke, Mr. Michael J. Quillen, Rev. Wayne Robinson, Mr. Stephen Sturgis, Mr. Dennis H. Treacy, Mr. Horatio Valerias, Dr. Sherwood Wilson, Mr. Chris Yianilos, and Ms. Beth Tranter.

1. **Opening Remarks and Approval of March 23, 2014 Minutes.** Mr. Lee welcomed those in attendance. The minutes were unanimously approved.

2. **Remarks from the President.** Dr. Sands welcomed those in attendance. He highlighted the test flight of the Mid-Atlantic Aviation Partnership, as well as research highlights from the Virginia Tech Carilion Research Institute and the launch of a doctoral program in Translational Biology, Medicine and Health. Research expenditures continue to rise, and Virginia Tech is currently ranked number 40 in the nation in total National Science Foundation-reported research expenditures. Dr. Sands also highlighted accomplishments in commercialization and entrepreneurship, and enhancement of the university environment for innovation through the establishment of the Center for Innovation and Entrepreneurship in the Pamplin College of Business.

3. **Resolution for the Approval of Appointments to the Virginia Coal and Energy Research and Development Advisory Board.** Dr. Walters reviewed the

appointments to the Virginia Coal and Energy Research and Development Advisory Board. The resolution was unanimously approved by the committee.

4.   **Resolution for Exclusion of Certain Officers/Directors:** Dr. Walters provided an overview of the Resolution for Exclusion of Certain/Officers/Directors.   The resolution was unanimously approved by the committee.

5.   **VT-India Update (Research Initiatives):** Dr. Ghosh, Vice President for Outreach and International Affairs provided an overview of Virginia Tech's research presence in Chennai, India. Creating a graduate engineering campus in southern India. This initiative grew from a desire to identify an international partner in Asia with complementary strengths, shared values, and a deep understanding of the land-grant institution. Established after three years of planning, the Institute for Critical Technology and Applied Science (ITCAS) Innovation Center was established. The current physical infrastructure totals 6,000 square feet, with potential to grow to 45,000 square feet. Virginia Tech is the first American university to have a science and engineering presence in science, technology, engineering and mathematics (STEM) research in this area of India.

6.   **An Overview of the School of Biomedical Engineering and Sciences and Research within the Center for Injury Biomechanics (Research Initiatives):** Dr. Stefan Duma, Director of the Virginia Tech – Wake Forest School of Biomedical Engineering and Sciences and Chair of the Department of Biomedical Engineering and Mechanics, provided an overview of departmental research as well as research conducted within the Center for Injury Biomechanics. Research spans the areas of biomechanics, nanomedicine and nanobioengineering, cardiovascular engineering, tissue engineering, biomedical engineering, neuroengineering, and translational cancer research. Dr. Duma also summarized research related to injury biomechanics, which has both advanced related scientific disciplines and informed public policy.

7.   **Closing Comments:** In closing, Dr. Walters noted recent successful research compliance site reviews by the Centers for Disease Control and the Association for Assessment and Accreditation of Laboratory Animal Care.

Adjournment.

There being no further business, the meeting adjourned at 6:00 p.m.

VT, India: Update

- Background
- Inauguration: May 24, 2014
- Where are we headed?

VT, ICTAS Innovation Center, Swaranabhoomi

Roop L. Mahajan, Director, ICTAS
Guru Ghosh , VP, OIR

VirginiaTech®
Institute for Critical Technology and Applied Science

- *Seeking global partners*

➢ *Guiding principles*

- **Strong commitment to international collaboration**

- **Shared values**

- **Complementary strengths**

- **Areas of collaboration**

- **Significant strength at VT in the selected areas**
  - **In tune with the local needs**
  - **Potential for growth**
  - **Integrated with the academic departments/colleges in Blacksburg and local campus, where applicable.**

VT SP 2012-18
Building a Global profile
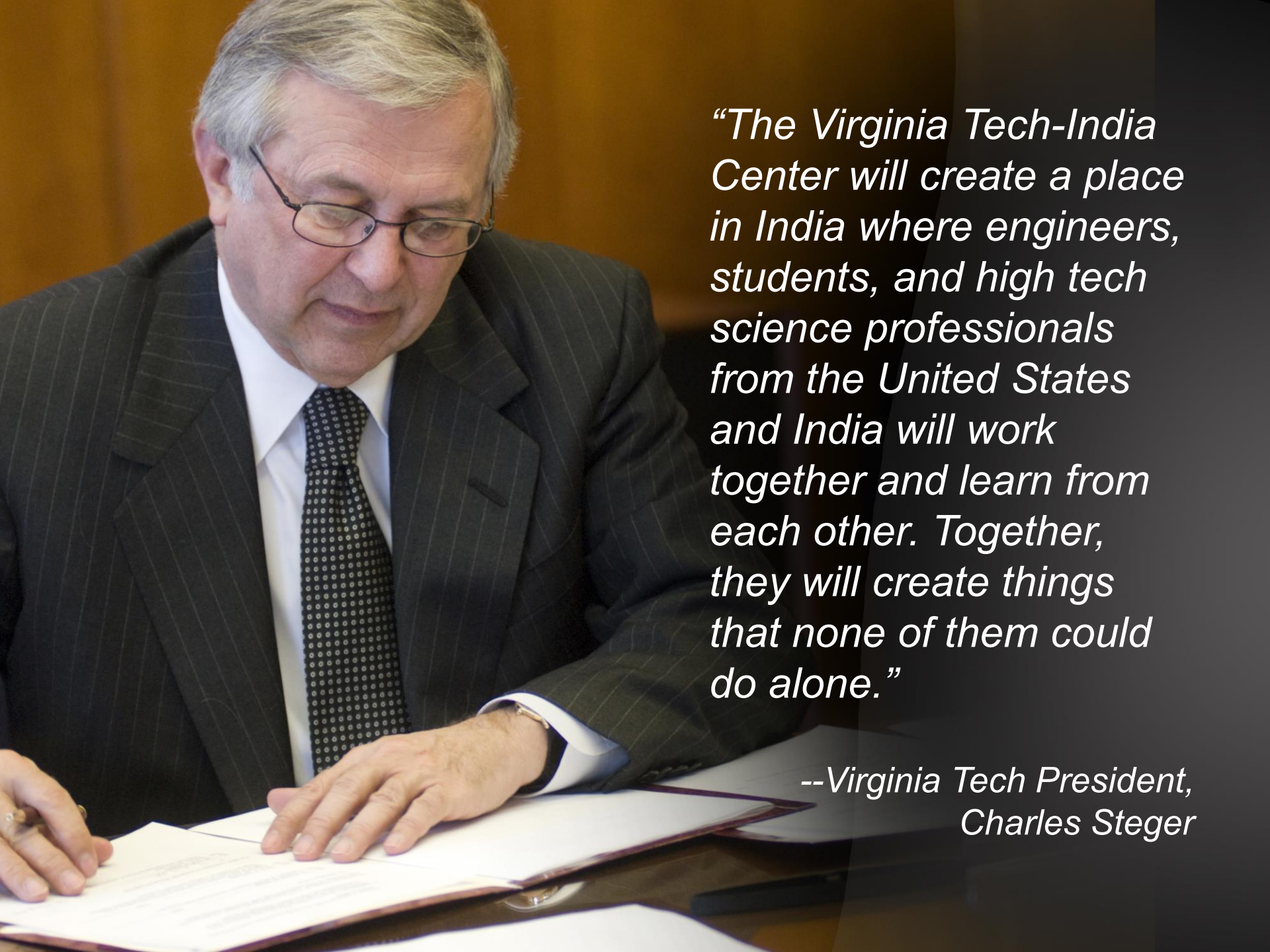
VirginiaTech
Institute for Critical Technology
and Applied Science
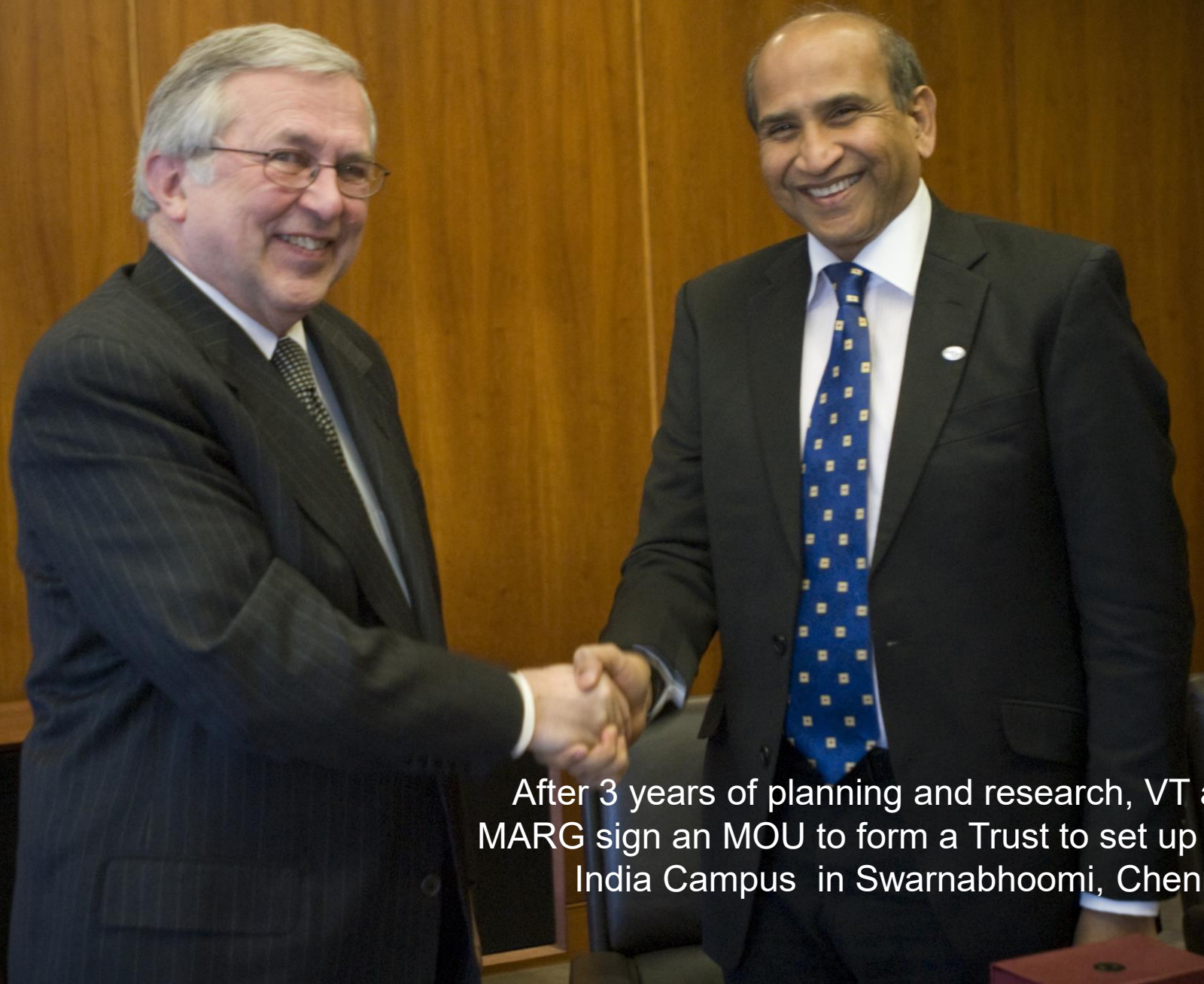
After 3 years of planning and research, VT and MARG sign an MOU to form a Trust to set up VT, India Campus in Swarnabhoomi, Chennai.

"The Virginia Tech-India Center will create a place in India where engineers, students, and high tech science professionals from the United States and India will work together and learn from each other. Together, they will create things that none of them could do alone."

--Virginia Tech President, Charles Steger

"The MoU with Virginia Tech is a proud moment for us, as we will be a part of promoting world class education through the university, which will help address the global opportunities at large."

-- GRK Reddy, Chairman & Managing Director, MARG Ltd.

☐ Foreign University Bill stalled in Indian Parliament

☐ President Steger decided to go ahead with establishing research centers
- **ICTAS**
- VBI
- VTTI

VT, India ICTAS Innovation Center

- The Deed of Trust signed on 05/28/2013
- Agreement in terms of operational issues

Big Inauguration , Ceremonies, Lab Tour, Press and a whole lot more!!

VT, ICTAS Innovation Center:
Interdisciplinary Research
for a Sustainable Future.

VirginiaTech
Institute for Critical Technology
and Applied Science

VT, India in the Press

VirginiaTech
Institute for Critical Technology and Applied Science

Progress Report since Inauguration

Business Model

Looking Ahead

Since inauguration

- **Casework & equipment**

- **Recruitment**
  - o **Dr. Ashok Kumar (post-doc at VT, 2 years, currently at one of the NITs; 09/14**
  - o **Dr. Shashaank Gupta, Ph. D. , ME, from VT; Post-doc at VT, 1 year ; 09/14**
  - o **Alok Mullick, MS, ESM, VT; currently at Auroville, India; already on payroll**
  - o **Sandeep Kumar; Admin Assistant; already on payroll**
  - o **Dr. Padmanabhan, Trustee, being considered for Interim Center Director**
  - o **Additional research staff and business manager hires planned**

- **Business model refined**

VirginiaTech®
1872
**Institute for Critical Technology
and Applied Science**

VT, India ICTAS Innovation Center:

Business Model

- **Integrated Research & Education**
- **Self-sufficiency in 3-4 years, and generate positive revenues thereafter**

- **Research Strategy: three components**
  - o **Basic research; proposals to federal and state funding agencies in India**

  - o **Industry-sponsored research: Follow I/UCRC Model**
    - Initial focus on energy, NSF I/UCRC on Energy Harvesting
    - Local Industrial Advisory Board
    - $40K annual membership
    - $160K FY2015 to grow by at least one additional sponsor/year
    - Similar Models for Nanotechnology and Cognitive Radio Communications

  - o **Outreach/CSR inspired research**

- **Education**
  - o Continuing education/research experience graduate students
    - Courses to generate revenue

On the Horizon

- **Recruiting doctoral students**
  - o **Visit in October planned; Sign up MOU's with IITs and IISC for Ph.D. students**
  - o **Coursework at parent institution; research at VT, IIIC**

- **Continuing Education**
  - o **Short courses planned**
    - • **Big Data; Additive Manufacturing ; Sustainable Energy Solutions**
  - o **Market assessment in October; rollout in January 2015**

- **Research**
  - o **Research proposals under way**
    - • **Reel-to reel manufacture of Flexible, wearable solar cells: India , Malaysia**
    - • **Cost-effective power sources for wireless sensor nodes targeting smart home, smart grids and industrial automation**
    - • **Indo US Science and Technology Empowerment; PIRE**
  - o **Recruiting industrial sponsors; Roadshow planned**

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Institute for Critical Technology
and Applied Science

"Life is a creative idea; it can only find itself in changing forms."

— Rabindranath Tagore

Thank you!!

Presentation Outline

- School of Biomedical Engineering and Sciences
    – Overview, Progress and Growth

- Center for Injury Biomechanics Research: Successful Partnerships with Three Institutes
    – VTTI: Automobile Safety and Military Restraints
    – VTCRI: Brain Injury and Sports
    – ICTAS: Virginia Tech Helmet Ratings

Duma VT Garden
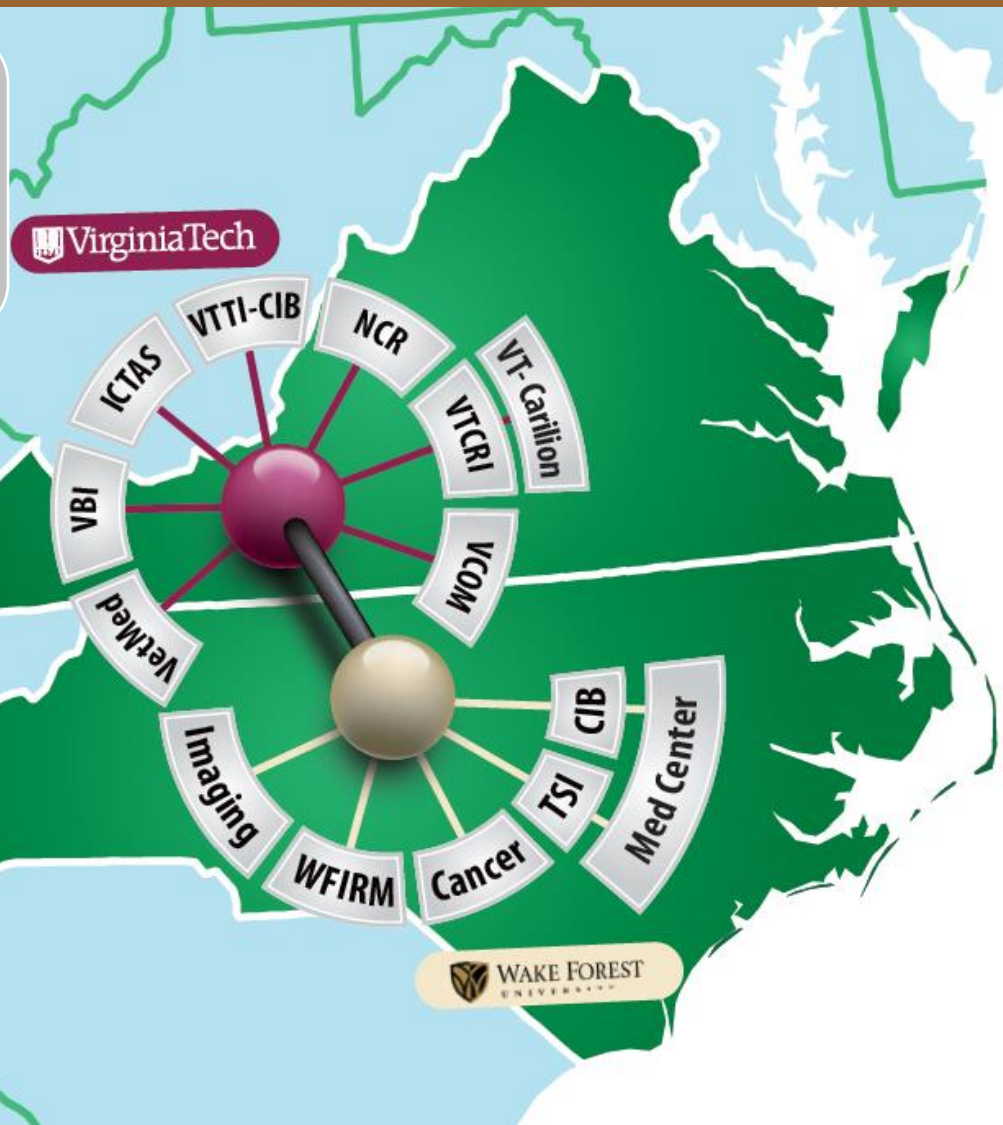
Vision Statement

"Engineering Better Health

Through Research

And Education"

Seven Research Areas: Two Page Graphic in Newsletter

SBES RESEARCH AREAS

Our 76 faculty are involved in a many biomedical and bioengineering research areas. This image uses a series of interconnected neurons to illustrate our seven primary research areas and how topics in each area can be related to others. From cancer treatment to imaging to biomechanics, the technical foundations are applicable to many areas. More information on faculty involved in each of these seven research areas can be found on our web site www.SBES.vt.edu

Biomechanics
- Biophysics
- Cardiovascular Biomechanics
- Ergonomics & Rehabilitation Engineering
- Injury Biomechanics
- Microscale Biomechanics
- Molecular & Cellular Biomechanics
- Organ & Whole Body Biomechanics

Nanomedicine and Nanobioengineering
- Biomembranes
- Bio-MEMS and Microfluidics
- Biomimetics
- Cellular Dynamics
- Molecular Medicine
- Nanomedicine
- Tumor Microenvironments

Cardiovascular Engineering
- Cardiac Arrhythmia Mechanisms
- Cardiac Electrophysiology & Ion Transport
- Cardiovascular Disease Mechanisms
- Cellular/Molecular Mechanisms of Connexins
- Fluid Mechanics and Transport
- Gap Junction Remodeling

Translational Cancer Research
- Biotransport
- Cancer Detection & Therapy
- Electrobiology
- Minimally Invasive Surgery
- Nano/Pharmacoengineering
- Targeted Drug Delivery

Research Areas

Tissue Engineering
- Biomaterials
- Musculoskeletal Tissue Engineering
- Regenerative Medicine
- Scaffold Fabrication & Engineering
- Tumor Engineering Platforms
- Vascular Regeneration
- Whole-Organ Tissue Engineering

Neuroengineering
- Membrane Transport
- Neural Network Behavior
- Neuroimaging
- Neurotrauma
- Synaptic Transmission / Plasticity
- Traumatic Brain Injury

Biomedical Imaging
- Emerging Imaging Methods
- Image Guided Intervention
- Magnetic Resonance Imaging
- Medical Physics
- Multi-scale CT
- Optical Molecular Imaging / Biophotonics
- X-ray Computed Tomography

SBES Annual Expenditures
External only, no overlap

Legend:
- VT Core/Joint
- VT Primary

Y-axis: $0 to $20,000,000 in $2,000,000 increments

X-axis (years): 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014
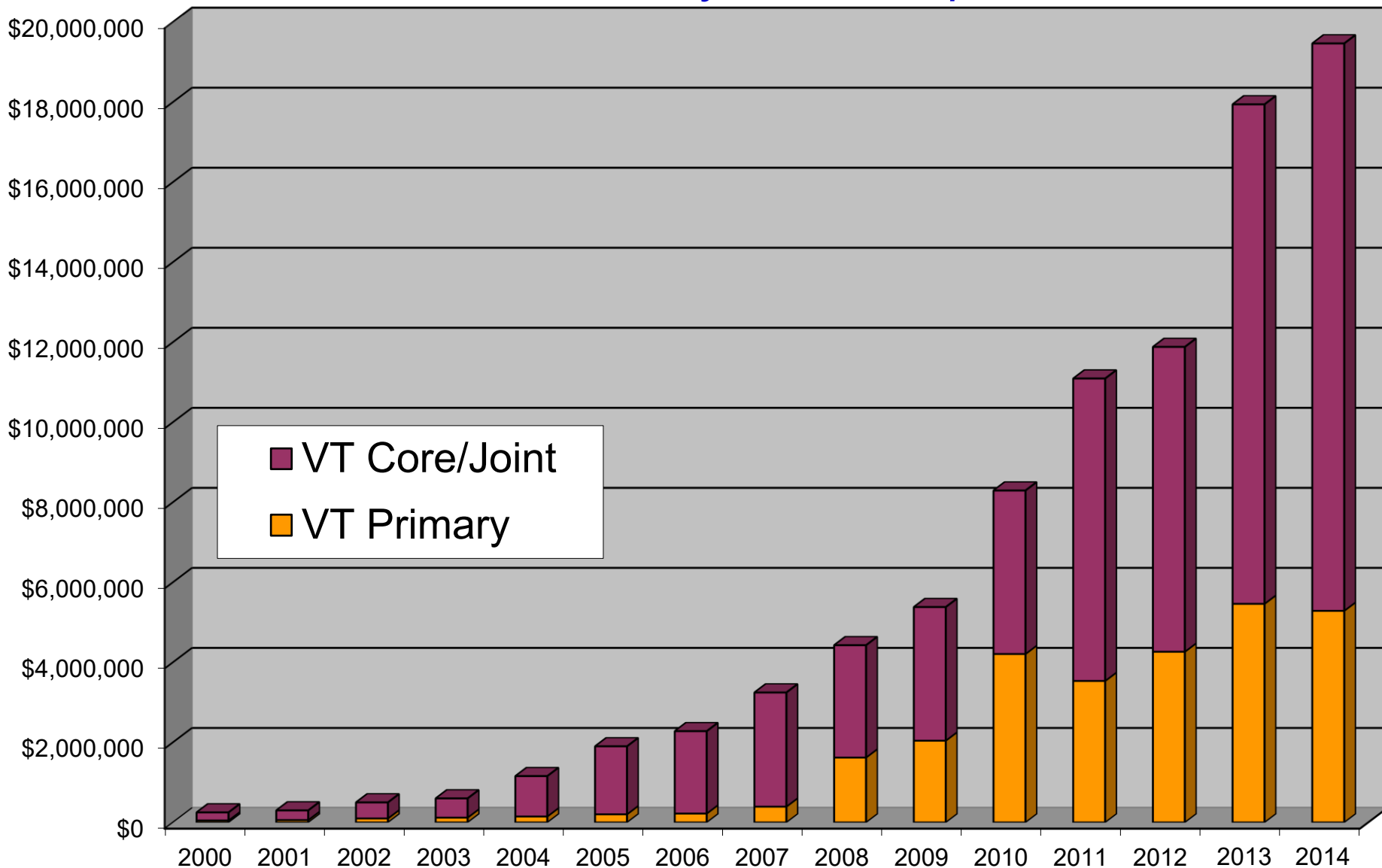
2014 ranked 34 out of 107 (32%)

2013 ranked 39 out of 105 (37%)

2012 ranked 39 out of 103 (38%)

2011 ranked 37 out of 95   (39%)

2010 ranked 47 out of 94   (50%)

Began focused external efforts

2009 not in top 50, out of 89 (<58%)

2008 not in top 50, out of 78 (<64%)

5-Year BME Ranking Analysis

- ## Biggest Winners
  - SBES advanced +19 spots
    - More than any BME program in the country
  - Florida +15, UC Irvine +14, UCLA +12, Cornell +10, Stanford +8, UC Davis +7

- ## Largest Negative Movement
  - UVa -15, Ohio State -10, Penn State -7, Purdue -6
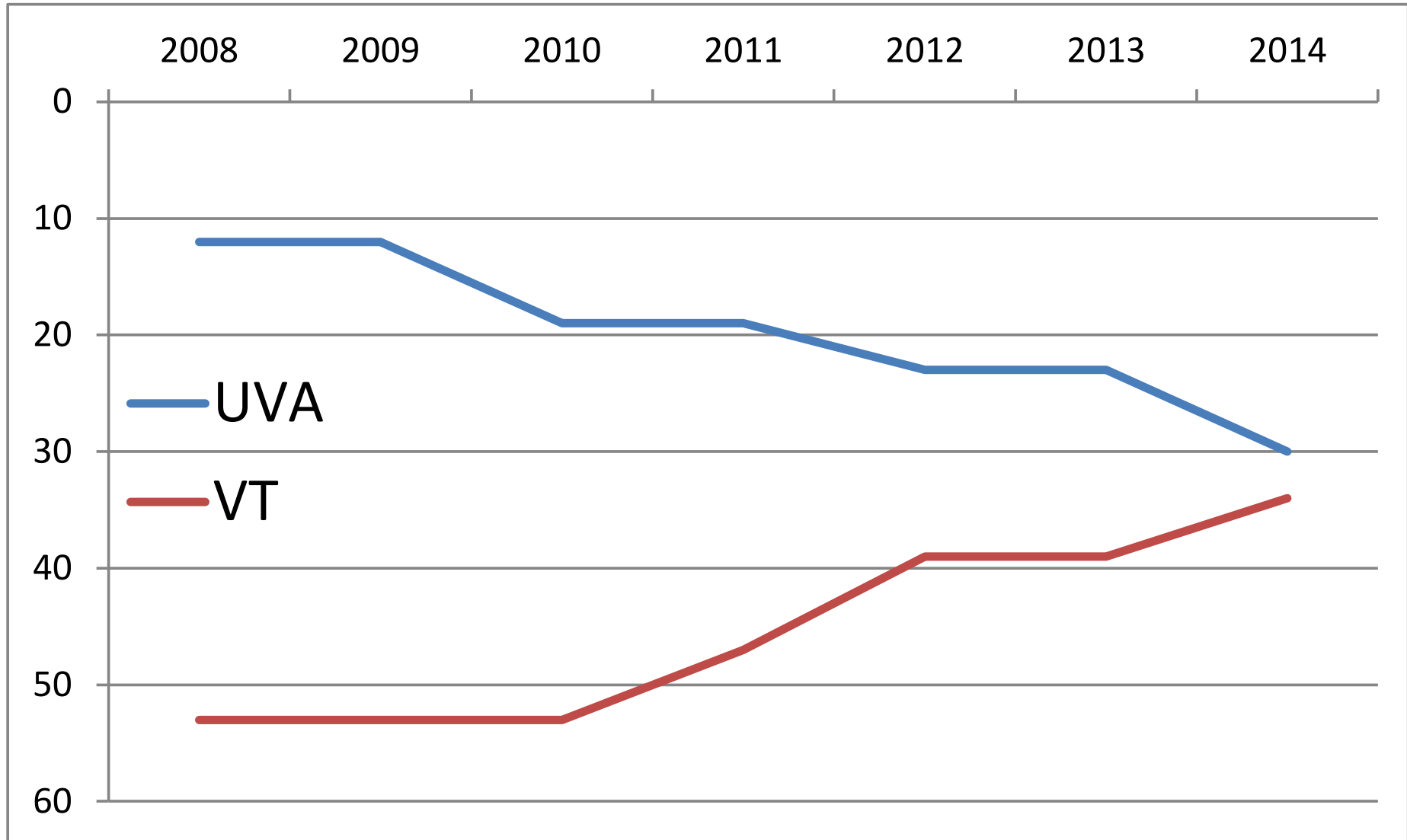
National BMES Meeting Presentations

P – Sat - A – 46 Development of Age and Gender-Specific Thorax Finite Element Models
S. L. Schoell, A. A. Weaver, and J. D. Stitzel

P – Sat - A – 66 Actin Filaments Regulate Migration Time of Cells Through a Microfluidic Constriction Channel
V. Srinivasaraghavan, H. Babahosseini, E. M. Schmelz, P. C. Roberts, and M. Agah

P – Sat - A – 123. Effect of Combined Shear & Thermal Stress on Pre-osteoblasts for Bone Regeneration
A. C. Sampson and N. Rylander

P – Sat - A – 135 Injectable and Self-assembling Sponge as a Protective Layer at Device-tissue Interfaces in Wound Repair
R. Wang, L. C. Argenta, M. J. Morykwas, and W. Wagner

P – Sat - A – 138 Additive Manufacture of Minimally-Invasive Medical Devices for Pancreatic Cancer Treatment
L. M. Reese, P. Garcia, R. Davalos, P. Shen, G. Mishra, C. Williams, and L. R. Bickford

P – Sat - A – 150 Clinical Investigation of High Frequency Irreversible Electroporation for Skin Cancers
M. B. Sano, C. B. Arena, P. A. Garcia, J. M. Cissell, J. L. Robertson, and R. V. Davalos

Poster Session: Undergraduate

P – Sat - A – 155 Setation: An Implicit & Graph Search Engine for Large Biomedical Term Sets
N. Roberson and H. Garner

P – Sat - A – 175 Solubility & Gelation Behavior of Keratin Biomaterials
S. Tsuda, R. De Guzman and M. Van Dyke

P – Sat - B – 32 The Use of Electrokinetic Phenomena to Characterize Malignant Cells
P. Kyle, L. Anders, J. Cemazar, C. Roberts, E. Schmetz, and R. V. Davalos

P – Sat - B – 160 Controlled Electromagnetic Stimulation System to Simulate Muscle Contraction
J. Nagode and A. Leonessa

Platform Session – OP-Sat-1-8 Track: Cellular and Molecular Bioengineering

Cell Biomechanics I, 8:00-9:30, Room 604

8:45 AM Sat   Cellular Force Modulation Through Zyxin Rearrangement in a Fused-fiber Nanonet Environment
C. Ng, B. Koons, and A. S. Nain

Platform Session – OP-Sat-2-4 Track: Biomechanics

Multiscale Modeling, 1:30-3:00, Room 607

1:15 PM Sat   The Effect of Exercise Preconditioning on the Tensile Material Properties of Li...

Virginia Tech
Wake Forest University

School of **Biomedical Engineering and Sciences**

Paper and Poster Listings

This brochure lists the 83 papers and posters presented by the Virginia Tech – Wake Forest faculty and students at the 2013 BMES Conference.

You are invited to join us at one of our presentations or also to visit our booths #200, 201, 202, 203, 204, 205 to learn more about our programs.

Thursday, September 26, 2013

Poster Session I: 9:30AM - 1:00PM , Exhibit Hall 4AB

Biomaterials, Cancer Technologies, Cardiovascular Engineering, Device Technologies and Biomedical Robotics, Nano to Micro Technologies, Orthopaedic and Rehabilitation Engineering

P – Th - A – 23 A Xenograft Derived Bone Scaffold for Improved Treatment of Critical Bone Defects
D. Bracey, T T. Seyler, J. Willey, T. Smith, P. Whitlock, and Maurice E. Müller

P – Th - A – 24 Tubular Esophageal Tissue Construct Bioengineered from Isolated Esophageal Smooth Muscle Cells
E. Zakhem and K. N. Bitar,

P – Th - A – 61 Study of Angiogenic Sprouting in a Multicellular 3D Tumor Model
M. Gadde, C. S. Szot, and M. N. Rylander

Virginia Tech - Wake Forest University Center for Injury Biomechanics

10 Faculty Members:

Duma · Stitzel · Gabler · Hardy · Kemper · VandeVord · Rowson · Gayzik · Danelson · Untaroiu
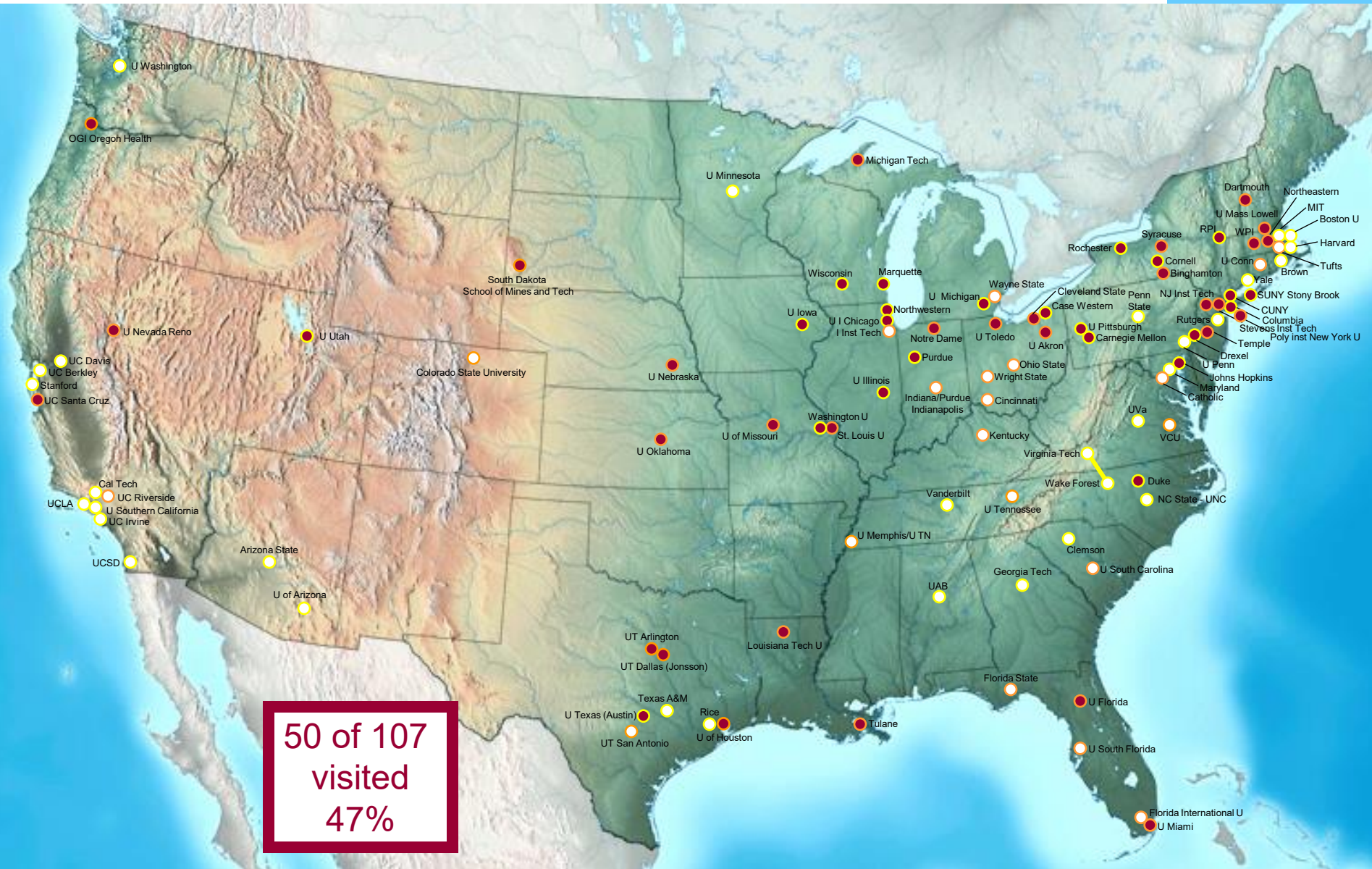
14 Research Staff Members:

McNally · Garigliano · Covey · Moreno · Harris · R. Marin · W. Marin · Owen · Smith · Strom · Sink · Griesemer · Hampton · Ereifej

34 Graduate Students:

Alphonse · Beeman · Brown · Daniel · Daniello · Donoughe · Fievisohn · Howes · Johnson · Kusano · Hayes · Golman · Moody · Sajja · Sandberg · Tsoi · Urban · Vavalle

Weaver · White · Vaughn · Gregory · Young · Weaver · Schoell · Putnam · MacAlister · Lu · Lillie · Hubbard · Davis · Cobb · Chen · Gorman
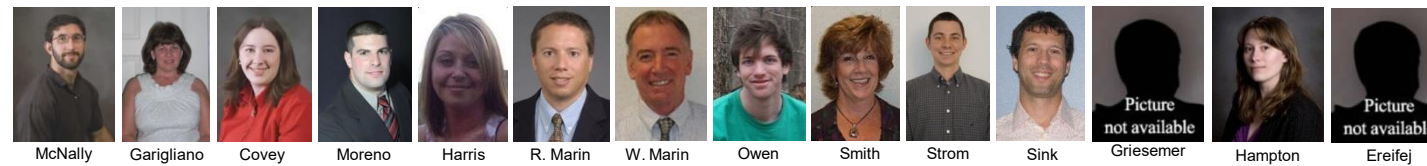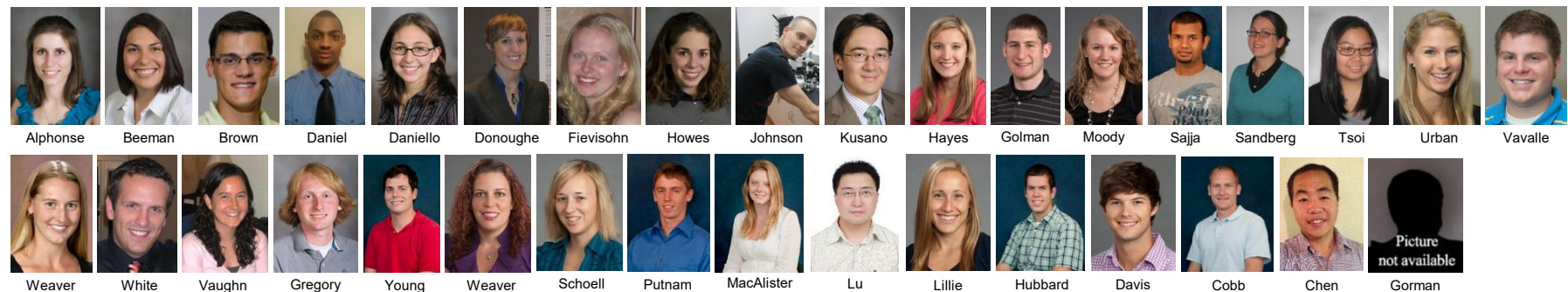
16 Collaborating Faculty Members:

Herring · Madigan · Porta · Cormier · Meredith · Brolinson · Funk · Manoogian · Anthony · Tan · Schoppe · Apel · Maldjian · Whitlow · Powers · Kress

40,000 sq ft of Dedicated CIB Research Facilities:

CIB-ICTAS Impact Biomechanics Laboratory

CIB-VTTI Sled Laboratory

Virginia Tech Transportation Institute

CIB Testing Laboratory at WFU

Nerf Dart Design

Water Park Design

Pregnant Occupant Research
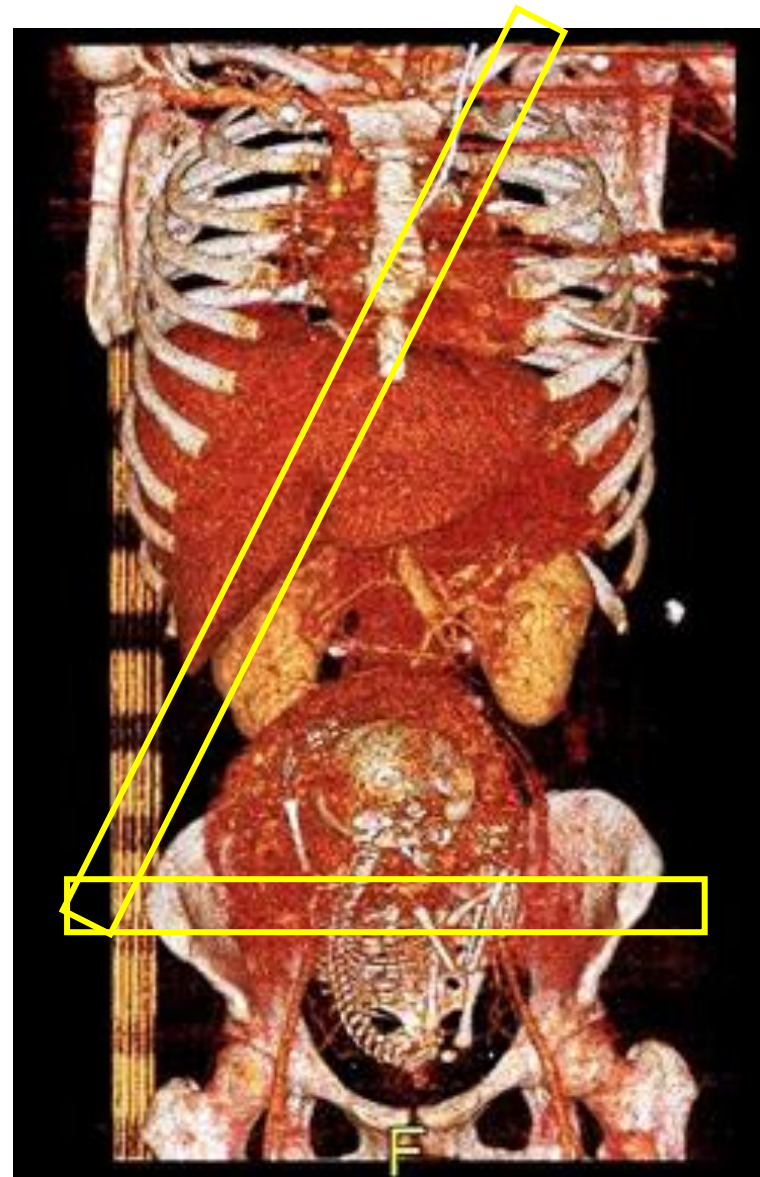
Light Saber Design

VTTI: Automobile and Military Restraints CIB Impact Sled Lab

VTTI: Automobile and Military Restraints CIB Impact Sled Lab

Vehicle Blast Loading

PIs: Warren Hardy
Co - PIs: K. Danelson, A. Kemper, C. Untaroiu,
P. VandeVord, J. Bolte (OSU)
Amount: $10.8M (5/14- 4/19)
Title: The Impact and Injury Response of Male and Female PMHS, Hybrid III Fiftieth and Fifth Percentile ATDs, and WIAMan under Blast-Induced Accelerative Loading
Agency: Army Research Office/Lab./WIAMan PMO

ARL/VT Accelerative Loading Fixture
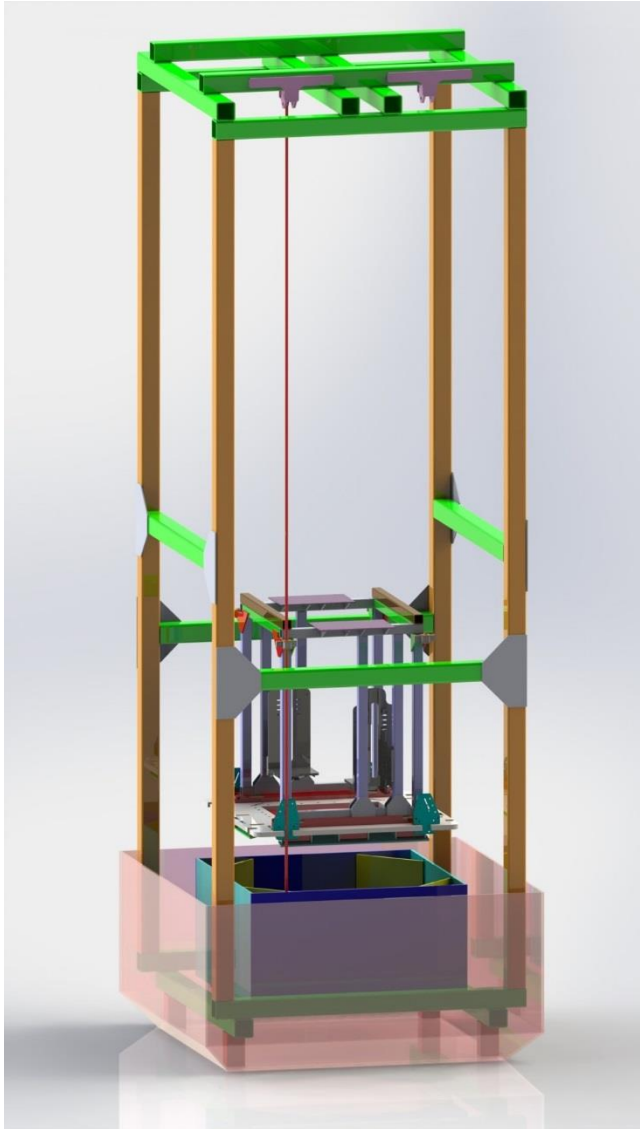
VTCRI: Brain Injury and Sports

Sports Medicine

VTCRI: 3T MRI

Head Acceleration Data Collection

- Up to 64 players instrumented for each season

- Data collected for every game and practice

O - instrumented helmet
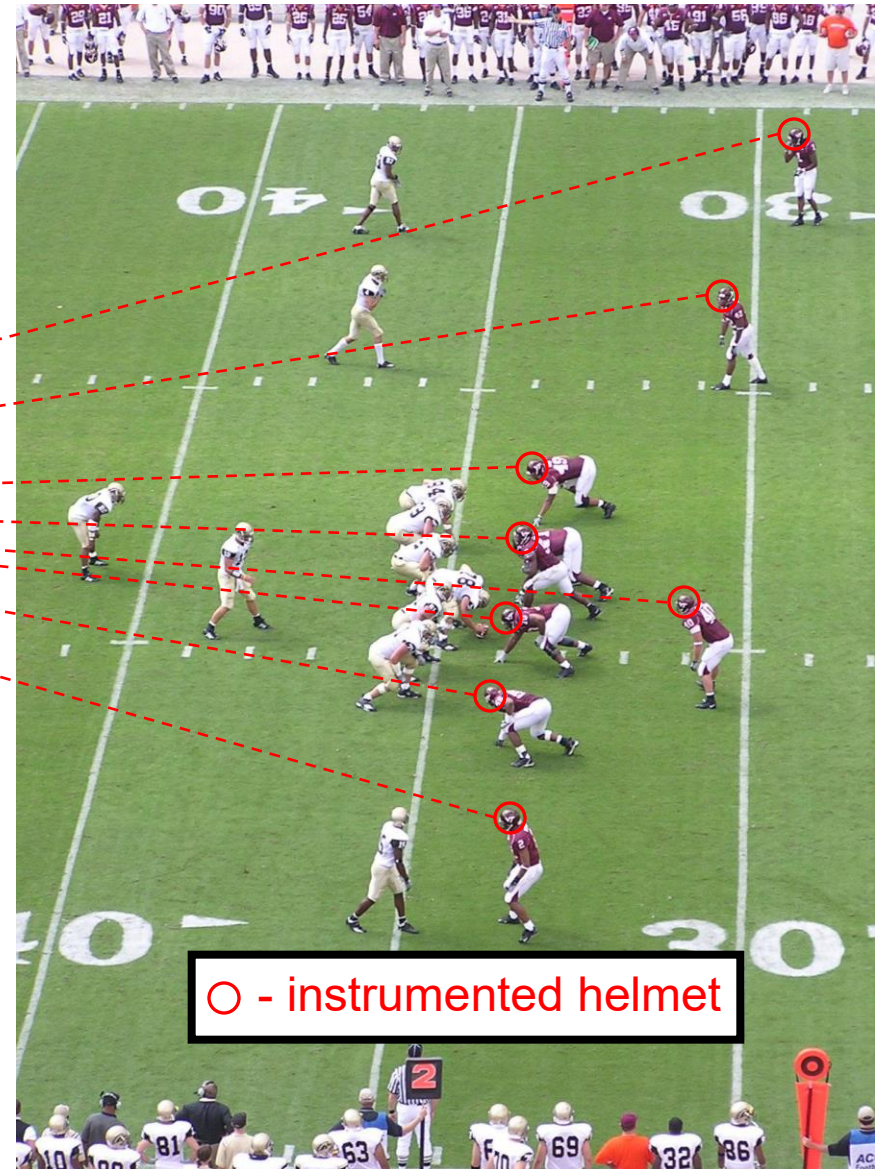
Wireless Coverage

Base Unit

100 Impact
Onboard Memory

53% of concussions are unreported
(McCrea et al. 2004)

TCR   19:48:15.14
PLAY
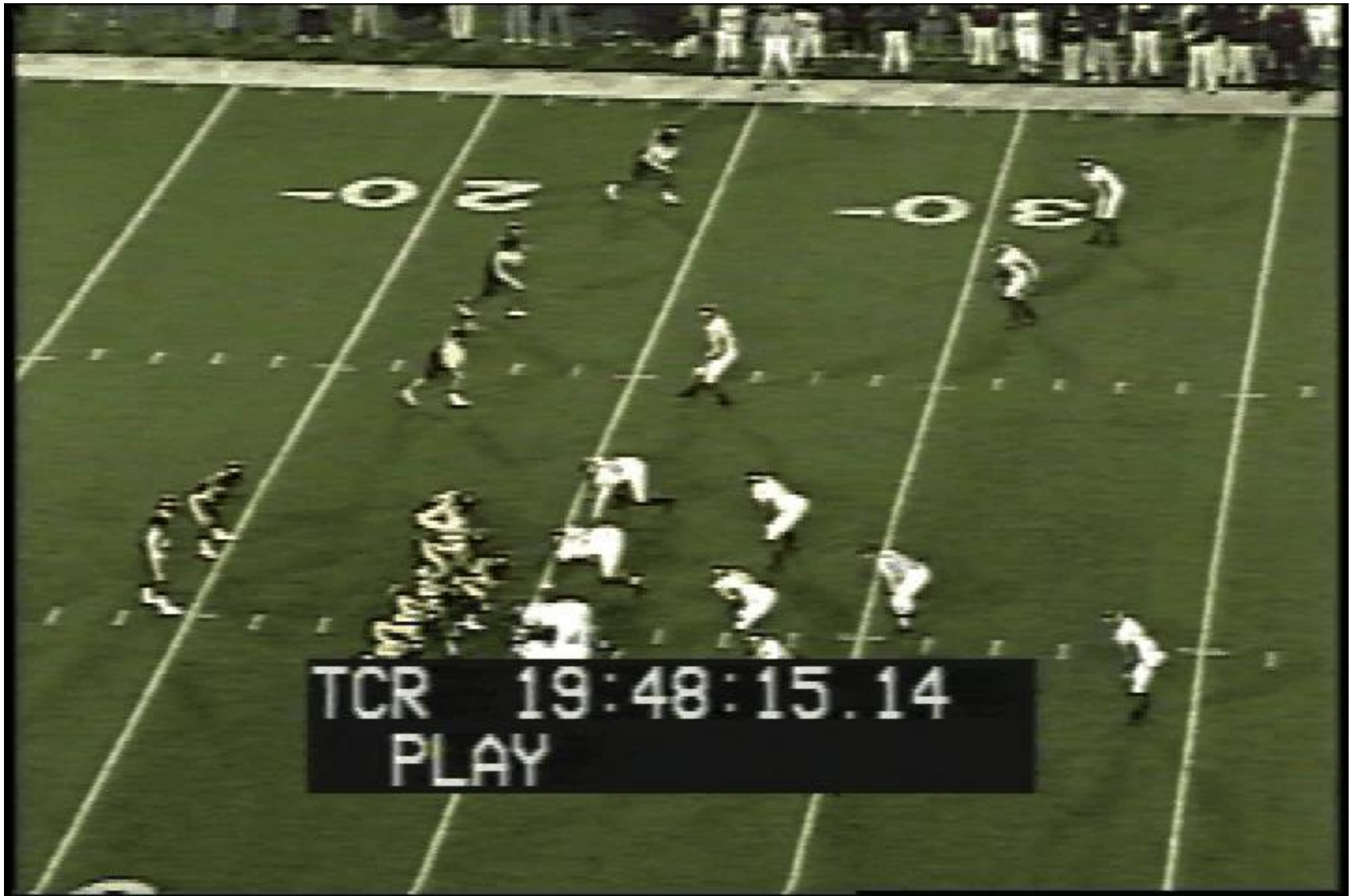
MTBI Event – The Next Play

Cumulative HITS Data Collection

195,000+ impacts recorded at Virginia Tech
2,000,000+ impacts recorded at all institutions

Total Number of Impacts Collected at Virginia Tech

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Teams Using the HIT System	Virginia Tech	Virginia Tech	Virginia Tech	Virginia Tech	Virginia Tech	Virginia Tech	Virginia Tech	Virginia Tech	Virginia Tech	Virginia Tech
		North Carolina	North Carolina	North Carolina	North Carolina	North Carolina	North Carolina	North Carolina	North Carolina	North Carolina
		Oklahoma	Oklahoma	Oklahoma	Oklahoma	Oklahoma	Oklahoma	Oklahoma	Oklahoma	Oklahoma
			Dartmouth	Dartmouth	Dartmouth	Dartmouth	Dartmouth	Dartmouth	Dartmouth	Dartmouth
			Arizona State	Arizona State	Brown	Brown	Brown	Brown	Brown	Brown
				Indiana	Indiana	Indiana	Indiana	Indiana	Indiana	Indiana
				Illinois	Minnesota			Wake Forest	Wake Forest	
			1 High School	5 High Schools	5 High Schools	2 High Schools	3 High Schools	4 High Schools	4 High Schools	4 High Schools	4 High Schools
									1 Youth Team	5 Youth Teams

Three Institutions Chosen as the Advanced Research Core (ARC):

UCLA

Virginia Tech

UNC

Football   Men's Soccer   Women's Soccer   Women's Lacrosse

Girls Soccer

Girl soccer players will be equipped with sensors to measure head impact biomechanics resulting from head impact during play.
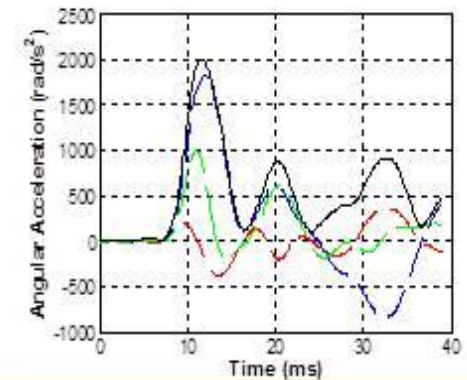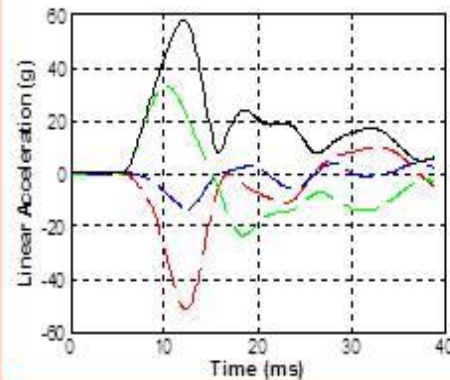
Measuring Youth Head Impacts

- Instrumentation of local youth football teams
  - 136 children between 6 and 14 years old

- 3 years of data collection

- First dataset on youth head impact in football (2011)

Data collected wirelessly for every game and practice

Youth Football Practice Impact

Identifying High-Risk Head Impacts

Year 1

Majority of high head acceleration impacts occurred during practice

Pop Warner instituted new rules to limit contact in practices

Year 2

Compared teams that adopted new rules with teams that didn't

Observed nearly a 50% reduction in head impact exposure

ICTAS: Virginia Tech Helmet Ratings

Automobile Analogy

STAR Rating System for Football Helmets

STAR: Summation of Tests for the Analysis of Risk

$$STAR = \sum_{L=1}^{4}\left(\sum_{H=1}^{6} E(h) \bullet R(a)\right)$$

Combines true impact exposure with an unbiased risk analysis using real world biomechanical data to assess helmet safety for consumers.

(Rowson and Duma, 2011)

www.SBES.vt.edu/helmet

National Impact Database

Adult Football Helmet Ratings - May 2011

A total of 10 adult football helmet models were evaluated using the STAR evaluation system for May 2011 release. All 10 are publicly available at the time of publication. Helmets with lower STAR values provide a reduction in concussion risk compared to helmets with higher STAR values. Based on this, the best overall rating of '5 Stars' has the lowest STAR value. Group rankings are differentiated by statistical significance.

5 Stars: Best Available	Significantly better than all others	★★★★★
Riddell Revolution Speed	STAR Value: 0.297	Cost: $243.99

4 Stars: Very Good	Significantly better than 3,2,1,NR Star groups No significant difference between the 5 in this group	★★★★
Schutt ION 4D	STAR Value: 0.351	Cost: $259.95
Schutt DNA Pro +	STAR Value: 0.352	Cost: $169.95
Xenith X1	STAR Value: 0.356	Cost: $299.99
Riddell Revolution	STAR Value: 0.362	Cost: $182.99
Riddell Revolution IQ	STAR Value: 0.369	Cost: $222.99

Donations

Download Printable pdf files:

STAR Rankings 2011

STAR Methodology 2011

STAR Detailed Result Sheets 2011

www.SBES.vt.edu/helmet

5 Stars: Best Available ★★★★★

	Helmet	Rating
	Schutt AiR XP Pro VTD	STAR Value: 0.207 Cost: $199.99
	Schutt Vengeance VTD	STAR Value: 0.213 Cost: $254.99
	Riddell 360	STAR Value: 0.239 Cost: $374.95
	Rawlings Quantum Plus	STAR Value: 0.245 Cost: $259.99
	Rawlings Tachyon	STAR Value: 0.262 Cost: $299.99
	Xenith EPIC	STAR Value: 0.281 Cost: $299.95
	Xenith X2 *Note: Helmets dated before 2013 rated as 3 Stars	STAR Value: 0.284 Cost: $235.00
	Xenith X2E	STAR Value: 0.285 Cost: $235.00
	Riddell Revolution Speed	STAR Value: 0.297 Cost: $264.99

2014
rolling additions

NFL Developed Poster with Virginia Tech Helmet Ratings

Posted in all 32 Locker Rooms

Institute of Medicine
Committee on Sports-Related Concussions in Youth
The National Academies Press 2013

SPORTS-RELATED CONCUSSIONS IN YOUTH

Improving the Science, Changing the Culture

INSTITUTE OF MEDICINE AND NATIONAL RESEARCH COUNCIL OF THE NATIONAL ACADEMIES
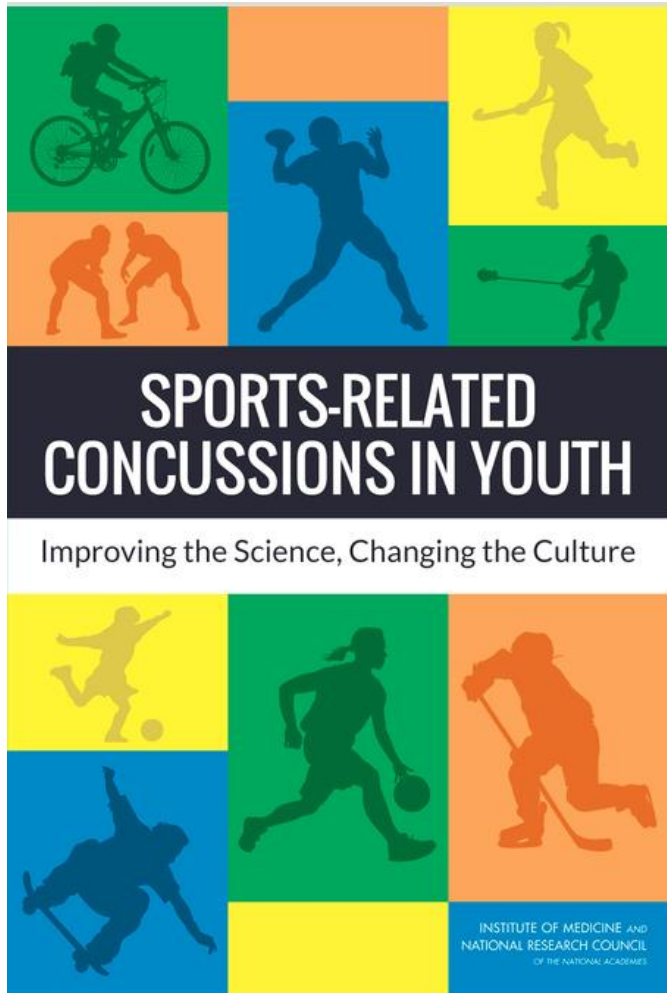
- "The STAR system is theoretically grounded and represents an intriguing approach to how the injury mitigation properties of a helmet could be assessed."

- "The STAR system is based on sound principles…"

- Adding rotational acceleration would increase application of the STAR system

Hockey STAR coming 2014
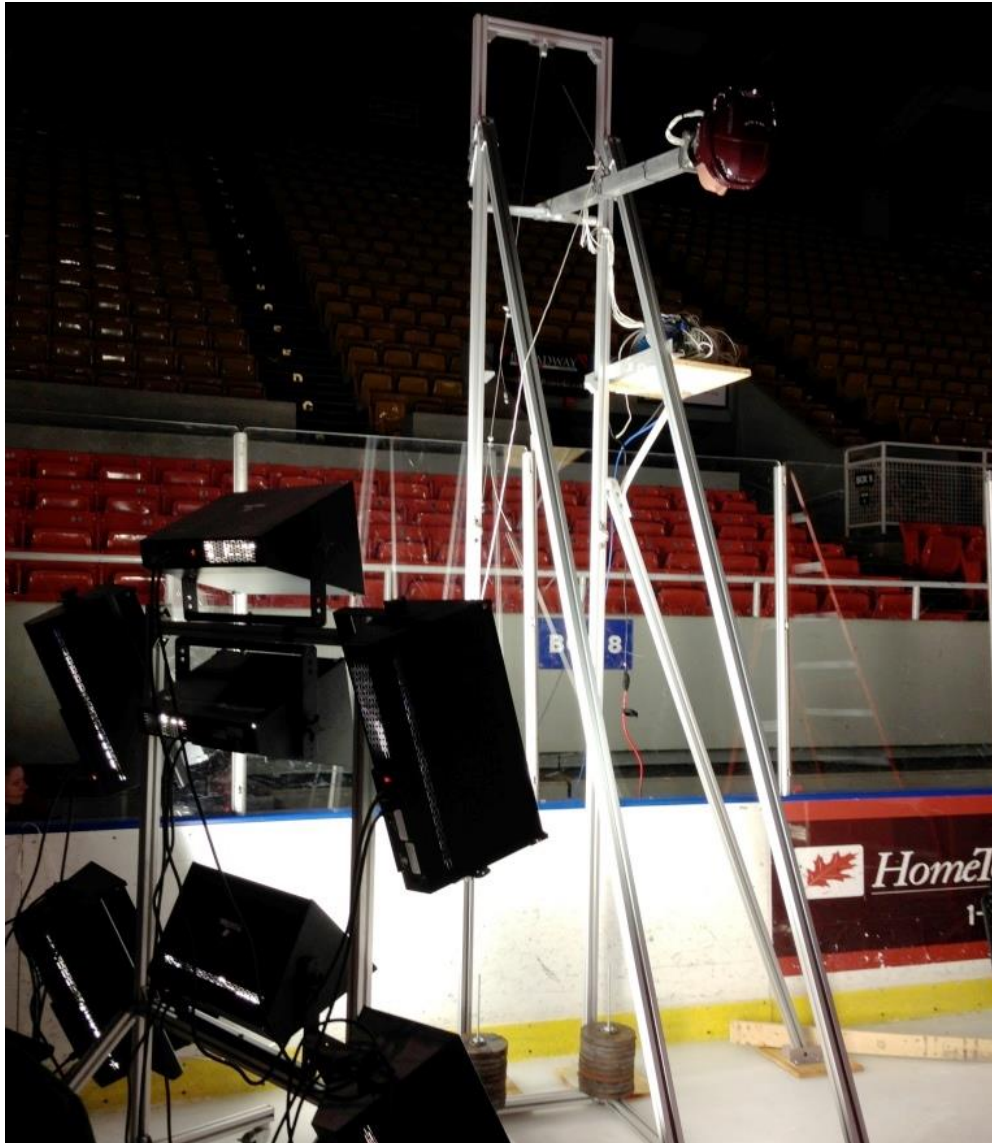
Open meeting
at Virginia Tech
or WebEx
July 22, 9 am - noon

Please register using the
following survey.
https://survey.vt.edu/survey/entry.
jsp?id=1402324390735
Password: hockey

VIRGINIA TECH™
★★★★★ 5
HELMET RATING

This helmet scored
5 out of 5 stars, which
is considered among the
best available helmets.

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Welcome to Blacksburg,
See You Around Town!

THANK YOU

THANK YOU

RESOLUTION FOR THE APPROVAL OF APPOINTMENTS TO THE VIRGINIA COAL AND ENERGY RESEARCH AND DEVELOPMENT ADVISORY BOARD

WHEREAS, The Virginia Coal and Energy Research and Development Advisory Board was established in 1977 by the enabling legislation for the Virginia Center for Coal and Energy Research. The legislation for the Center requires approval by the Board of Visitors for new appointments, reappointments and changes in the membership of the Advisory Board.

Proposed reappointment is: Jerry Grantham.

WHEREAS, Jerry Grantham has 30 years of experience in the gas and oil industry throughout the United States, currently holds the position of Vice President of Range Resources - Pine Mountain, Inc. which explores for natural gas, both conventional and coalbed methane in southwestern Virginia; he has served as President of the Virginia Oil and Gas Association, an organization that represents all aspects of the gas industry in Virginia; he has an undergraduate degree from the University of Virginia and a Master's degree in Geology from Michigan State University; therefore, Mr. Grantham is fully qualified to serve on the Advisory Board of the Virginia Center for Coal and Energy Research, representing the gas and oil industry.

Proposed new appointments are: Barbara Altizer and John Reinhart.

WHEREAS, Barbara Altizer has been the Executive Director and educational outreach contact for the Virginia Coal & Energy Alliance, formerly the Eastern Coal Council in Richlands, Virginia for 35 years; she has served on the committees doing research and preparing various reports for the U. S. Secretary of Energy; she is a member of Southern States Energy Board's Clean Coal Technologies and Advanced Power Systems Committee, a member of the National Mining Association's States Organization and Public Relations Committee; she also participates in The Powell River Project, a cooperative program of Virginia Tech that serves as an education and research program to enhance the coalfield region; therefore, Ms. Altizer is fully qualified to serve on the Advisory Board of the Virginia Center for Coal and Energy Research, representing the coalfields region.

WHEREAS, John Reinhart was appointed CEO and Executive Director of the Virginia Port Authority on October 31, 2013, and officially took office on February 10, 2014; he served as CEO of Maersk Line, Limited (MLL) since 2000, as President and since 2004 and was a member of the Board of Directors for MLL and Farrell Line; during his career with Maersk, he also held the positions of Senior Vice President and Regional Director; he previously worked at Universal Maritime Services as General Manager and President; he current serves on the Hampton Roads Transportation Accountability Commission, the Marine Transportation System National Advisory Council, the Commonwealth Transportation Board, the American Bureau of Shipping Council, the

Greater Norfolk Corporation, and the Hampton Roads Business Round Table; he holds an M.B.A. the University of Michigan; therefore, he is fully qualified to serve on the Advisory Board of the Virginia Center for Coal and Energy Research, representing the maritime transport industry.

NOW, THEREFORE, BE IT RESOLVED that Jerry Grantham be reappointed as a member of the Virginia Center for Coal and Energy Research and Development Advisory Board for 2014-2018, that Barbara Altizer and John Reinhart be appointed as members of the Virginia Center for Coal and Energy Research and Development Advisory Board for 2014-2018.

<u>**RECOMMENDATION:**</u>

That Jerry Grantham be reappointed as a member of the Virginia Center for Coal and Energy Research and Development Advisory Board for 2014-2018, that Barbara Altizer and John Reinhart be appointed as members of the Virginia Center for Coal and Energy Research and Development Advisory Board for 2014-2018.

September 15, 2014

RESOLUTION FOR EXCLUSION OF CERTAIN OFFICERS/DIRECTORS

WHEREAS, Virginia Polytechnic Institute and State University ("Virginia Tech") was determined by the Department of Defense (DoD) to be a facility authorized to be eligible for access to classified information or award of classified contracts in 1960 and years following, with the most recent authorization in 2011, and

WHEREAS, in accordance with the National Industry Security Program Operating Manual (NISPOM), Cognizant Security Agencies (CSAs) require certain principal officers, directors, partners, regents, or trustees, and those occupying similar positions at institutions of higher education meet the personnel security clearance requirements established for the level of the institution's facility security clearance or be formally excluded; and

WHEREAS, the NISPOM permits the exclusion from the personnel clearance requirements of said principal officers et al. on the basis that these cited individuals shall not require, shall not have, and can be effectively excluded from access to all classified information disclosed to Virginia Tech, and do not occupy positions that would enable them to affect adversely corporate policies or practices in the performance of classified contracts, as determined by a CSA.

NOW THEREFORE BE IT DECLARED, that the Board of Visitors hereby formally appoints a managerial group with the authority and responsibility for the negotiation, execution, and administration of classified contracts ("Key Management Personnel"), consisting of the following principal officers within Virginia Tech: President, University Legal Counsel, Chief Contracting Officer, Senior Research Compliance Officer, Senior Contracts Officer, and Facility Security Officer (specified by name in Attachment A).

BE IT RESOLVED, that the President and the said managerial group at the present time do possess, the required security clearance, with the exception of the President and the Chief Contracting Officer, who are in the process of acquiring clearance; and

BE IT RESOLVED FURTHER, that in the future, when a CSA determines that additional Virginia Tech officials must be added to said managerial group and be granted personnel clearances or excluded from classified access pursuant to the NISPOM, such requirements shall be made and approved by the Key Management Personnel, and not the Board of Visitors, unless approval by the Board of Visitors is formally required by the CSA, and

BE IT RESOLVED FURTHER, that the appended list of all members of the Board of Visitors (specified by name in Attachment B) shall not require, shall not have, and can be effectively excluded from access to all classified information in the possession of Virginia Tech, and do not occupy a position that would enable them to affect adversely Virginia Tech policies or practices in the performance of classified contracts. A copy of this resolution shall be provided to CSAs as required by the NISPOM.

RECOMMENDATION:

That this resolution be adopted.

September 15, 2014

ATTACHMENT A: List of Board of Key Management Personnel by name who must be granted personnel clearances or excluded from classified access pursuant to the NISPOM per Board of Visitors Resolution, September 14, 2014

President   Dr. Timothy Sands
Legal Counsel   Kay K. Heidbreder, Esq.
Chief Contracting Officer   M. Dwight Shelton, Jr.
Senior Research Compliance Officer   Linda R. Bucy
Senior Contracts Officer   John C. Rudd Jr.
Facility Security Officer   David A. Brady

ATTACHMENT B: List of Board of Visitors Members to be excluded per Board of Visitors Resolution, September 14, 2014

Mr. James L. Chapman
Dr. Nancy V. Dye
Mr. William D. Fairchild, III
Mr. Cordel L. Faulk
Mr. B. Keith Fulton
Mr. John C. Lee, IV
Ms. Deborah Petrine
Mr. Michael Quillen
Rev. Wayne H. Robinson
Dr. J. Thomas Ryan
Mr. Mehul Sanghani
Mr. Steve Sturgis
Mr. Dennis H. Treacy
Mr. Horacio A. Valeiras

Committee Minutes

STUDENT AFFAIRS AND ATHLETICS COMMITTEE

Great Room, West Amber-Johnston Residence Hall
8:00 a.m.

September 15, 2014

Board Members Present:
Cordel Faulk (Chair)
Bernice Hausman (Faculty Senate President)
Austin Larrowe (Undergraduate Student Representative)
Wayne Robinson
Steve Sturgis

Guests:
Kelly Babcock, Whit Babcock, Leslie Benson, Cynthia Bonner, Tom Brown, Matt Chan, Jeannie Chang, Susan Chapman, Linda Davis, Cindy Day, Joe Edens, Heather Evans, Anita Fairchild, Ted Faulkner, Rick Ferraro, Eleanor Finger, Bill Foy, Desiree Francois, Cathy Fullhart, Randy Fullhart, Tamara Ghosh, Martha Glass, Hunter Gresham, Hikmet Gursoy, Byron Hughes, Kevin Jones, Kathy Kaplan, Eric Kaufman, Frances Keene, Art Keown, Elizabeth Lazor, Reyna Gilbert-Lowry, Jonathan Manz, Matt Mayotte, Sofia Midkiff, Carly Northop, Tim Parker, Rebekah Paulson, Susan Pedigo, Patty Perillo, Jim Petrine, Greg Purdy, Deborah Quillen, Renee Robinson, Laura Sands, Tuna Shankar, Frank Shushok, Angela Simmons, Tricia Smith, Rick Sparks, Lisa Speas, Jackie Stone, Joe Tront, Rachel Tully, Therese Walters, Danny White, Penny White, Jaime Williams, Jeanette Winistorfer, Chris Yianilos, and Jenny Zabinski.

The meeting was called to order at 8:09 a.m.

Open Session

1. **Introductions, Opening Remarks and Approval of June 2, 2014 Minutes.** Cordel Faulk, committee chair, allowed for introductions, provided opening remarks, and submitted the minutes of the June 2, 2014, meeting to the committee for review and acceptance.

   A motion was made and passed unanimously to approve the minutes as written.

2. **Intercollegiate Athletics Report.** Whit Babcock, director of Athletics, provided a report on intercollegiate athletics. Mr. Babcock began by reiterating the

1

department's commitment to C.A.P.S. (compliance, academics, performance, support) with the goal of being the pre-eminent athletic department in the ACC in all four areas. Mr. Babcock invited his leadership team to introduce themselves and their roles. He noted that with new staff in place and a re-organization of the department into a structure that he believes is more streamlined and efficient, the department is now working to re-define their mission and culture while focusing on a commitment to core values.

Mr. Babcock yielded the floor to Tim Parker, senior associate athletic director for compliance and governance, who reviewed the new NCAA governance model and Power 5 conference autonomy structure. For nearly 30 years, the governance model was led by presidents and chancellors of institutions and student-athletes never had a vote. Now, presidents and chancellors will offer strategic leadership, shifting operational and legislative issues to a NCAA Division I Council to study and resolve. Athletic Directors will also be empowered to manage affairs in a manner that furthers the values and principles of intercollegiate athletics and the NCAA. The Power 5 structure of representation on this council totals 65 schools in five conferences including the ACC, SEC, Big 10, Pac 12, and Big 12. Across the 65 schools, there are 80 votes total with 15 of the 80 votes cast by student-athletes.

Areas most likely to be addressed under the new autonomy structure include increasing the maximum scholarship amount, expanding the provision of expenses incurred by student-athletes, a modification of the rules related to the terms and conditions associated with the awarding of student-athlete financial aid, and an update to the rules and policies governing student-athlete time demands in order to permit a more appropriate balance between athletics and other activities.

Desiree Reed-Francois, executive associate athletic director, then reviewed the "Pylons of Promise," a proactive strategy created by Athletics from a uniquely Virginia Tech perspective. Utilizing the values inscribed on the eight pylons of the campus' Memorial Chapel: Brotherhood, Honor, Leadership, Sacrifice, Service, Loyalty, Duty, and Ut Prosim, this approach allows Athletics to meet the needs of student-athletes and the new NCAA landscape while adhering to their mission, culture, and core values.

The final focus for the intercollegiate athletic report was an update on the financial well-being of the organization as they completed fiscal year 2014. Mr. Babcock closed by expressing his appreciation to the 603 student-athletes and 171 staff members across 22 sports on one team… we are all Hokies and we are stronger together.

3. **Overview of SGA, GSA, and CSA Organizational Structures and 2014-2015 Goals:** Ms. Elizabeth Lazor and Ms. Tanushri ("Tuna") Shankar, president and vice president, respectively, of the Student Government Association (SGA) provided an overview of the SGA structure and well-known initiatives like the "Hokie effect" shirts during football games.

Mr. Greg Purdy and Mr. Matt Chan, president and vice president, respectively, of the Graduate Student Assembly (GSA) highlighted the core responsibilities of the GSA, as well as their structure, funding programs for professional development, and signature annual events such as the Graduate and Professional School Fair and the GSA Research Symposium.

Mr. Joe Edens, chair of the Commission on Student Affairs (CSA), reviewed the organizational structure for CSA, the charge of the commission, and 2014-15 goals and objectives.

4. **DSA Aspirations for Student Learning and Curriculum:** Dr. Frank Shushok, senior associate vice president for student affairs, provided a review of the division's Aspirations for Student Learning. The five Aspirations for Student Learning include: Commit to unwavering curiosity; Pursue self-understanding and integrity; Practice civility; Prepare for a life of courageous leadership; and, Embrace Ut Prosim as a way of life.

   Dr. Shushok then introduced Dr. Martha Glass, Ms. Frances Keene, and Mr. Rick Sparks, members of the DSA Curriculum Committee Leadership Team. Effective this fall, the Division of Student Affairs is implementing The Keystone Experience, a self-authored curriculum designed for holistic, out-of-classroom learning and engagement, as well as the creation of a co-curricular transcript. The over-arching mission is to provide students an opportunity to better understand, and put into practice, the Aspirations for Student Learning while providing learner-centered experiences that engage students in participating, modeling, and reflecting on the five aspirations. Additionally, The Keystone Experience offers resources for students to track their experiences through a co-curricular transcript.

   Two key resources will assist students in their Keystone journey including a Keystone Field Guide, a pocket-guide to record and reflect upon opportunities, as well as the Keystone Experience "app" which will offer an interactive campus map and listing of "Keystone Happenings" (co-curricular events). The Keystone Experience also has a full assessment plan in place to evaluate this co-curricular learning opportunity including a longitudinal study in Housing and Residence Life of the field guide, departmental assessment of "happenings" (events) offered via GobblerConnect, as well as an evaluation of participation and usage analytics.

5. **DSA Strategic Funding Priorities:** Dr. Patricia A. Perillo, vice president for student affairs, gave a very brief introduction to the division's funding priorities; however, in the interest of time, this agenda item was postponed until the November gathering of the Student Affairs and Athletics Committee.

Adjournment. With no further business, the meeting was adjourned at 11:26 a.m.

Intercollegiate Athletics
Report to the Student Affairs &
Athletic Committee of the Board of
Visitors

September 15, 2014

Virginia Tech Athletics

Agenda

- A Quick Review from the Last Two
- What's Next?
- It All Begins with People
- The "New NCAA" – O'Bannon, Governance, Autonomy, & Anti-Trust Lawsuits
- Centering our Focus on the Student (Athlete) – *"Pylons of Promise"*
- The Financial Equation

A Quick Review From the Last Two – March 24th and June 2nd

- Comprehensive Assessment – Evaluating the Enterprise
- Leadership Philosophy & Organizational Structure
- Challenges and Opportunities
- Success and Points of Pride
- Football Scheduling
- Men's Basketball Coaching
- Facility Renderings – Indoor Practice Facility (Field House)
- C.A.P.S. – Compliance, Academics, Performance, Support

VIRGINIA TECH ATHLETICS

Learfield Sports Directors' Cup
Final Standings 2013-14

#	School	#	School	#	School	#	School	#	School	#	School
1	Stanford	24	LSU	47	Illinois	70	Wake Forest	93	South Florida	116	East Tennessee State	139	UC Santa Barbara
2	Florida	25	Ohio State	48	Purdue	71	Providence	94	Tulsa	116	Towson	139	Ohio
3	Notre Dame	26	Arizona	49	Harvard	72	Utah	95	UCF	118	Colorado State	141	Middle Tennessee State
4	Virginia	27	Arizona State	50	Northwestern	73	Akron	96	SMU	119	Marquette	142	Kennesaw State
5	Penn State	28	Arkansas	51	New Mexico	74	Boise State	97	Massachusetts	120	Tennessee Chattanooga	143	Butler
6	Texas	29	Michigan State	52	Mississippi State	75	Oregon State	98	UNLV	121	Wichita State	144	Iona
7	UCLA	30	Louisville	53	Syracuse	76	St. John's (NY)	99	Kansas State	122	Northwestern State	145	North Dakota
8	USC	31	Baylor	54	Ole Miss	77	TCU	100	UC Irvine	123	Western Kentucky	145	Liberty
9	Duke	32	Maryland	55	Kansas	78	Iowa	101	William & Mary	124	American	147	UC Davis
10	Texas A&M	33	Washington	56	San Diego State	79	Boston University	102	Long Beach State	125	Northern Arizona	148	Jacksonville
11	Kentucky	34	Auburn	57	UConn	80	Houston	103	Bryant	126	Creighton	149	Washington State
12	Florida State	35	South Carolina	58	Dartmouth	81	North Dakota State	104	Rice	126	Cal Poly	150	Fordham
13	Michigan	36	Indiana	59	Texas Tech	82	New Hampshire	105	DePaul	126	Cal State Northridge	151	Georgia State
14	North Carolina	37	Virginia Tech	60	Clemson	83	Memphis	105	UAB	129	Indiana State	152	Fresno State
15	Oregon	38	Iowa State	61	Columbia	83	Arkansas State	107	Pepperdine	130	Portland	153	Southern Illinois
16	Georgia	39	Colorado	62	Kent State	85	Pittsburgh	108	Coastal Carolina	131	Army	154	Central Michigan
17	Alabama	40	Tennessee	63	Cornell	86	Louisiana Lafayette	108	San Diego	131	Southeastern Louisiana	155	Elon
18	Wisconsin	41	North Carolina State	64	Miami (FL)	87	Air Force	110	Brown	133	Eastern Kentucky	156	Dayton
19	Oklahoma	42	BYU	65	Boston College	88	Sam Houston State	111	Wisconsin Milwaukee	134	Illinois State	157	Southern Utah
20	California	43	Denver	66	Georgetown	89	Georgia Tech	112	Old Dominion	135	East Carolina	158	Montana
21	Minnesota	44	Princeton	67	Pennsylvania	90	Navy	113	Albany	135	Eastern Michigan	158	Hawaii
22	Oklahoma State	45	Vanderbilt	68	Villanova	91	Rutgers	114	UTEP	137	College of Charleston	160	Eastern Illinois
23	Nebraska	46	Missouri	69	West Virginia	92	Jacksonville State	114	Loyola Chicago	138	Vermont	161	VCU

What's Next?

- Respect to Tradition & Strategic Change

- Mission, Core Values, Culture – What Will We Stand For?

- Accountability

- Communication

- Teamwork

- External/Community Engagement

- Eyes on the Prize – Comprehensive Excellence – We can be the Preeminent School in the ACC in All Facets

- Fall Sports – Competing now are: Football, Men's and Women's Soccer, Men's and Women's Cross Country, Volleyball, and Men's Golf

It All Begins With People

The "New NCAA" – O'Bannon, Governance, Autonomy, Cost of Attendance & Anti-Trust Lawsuits

Introduction
to the New
NCAA Governance Structure

The New NCAA Governance Structure
Key Changes

- "The Board of Directors (presidents and chancellors) will focus on strategic and higher-altitude leadership, and it will shift more operational and legislative issues to the Council to study and resolve."

- "Student-athlete voice and vote will be emphasized, a concept universally supported by membership comment and discussions."

- "The athletics director, as the key athletics practitioner on campus, will be empowered to manage Division I affairs in a manner that furthers the values and principles of intercollegiate athletics and the NCAA."

- "The five conferences and their 65 member institutions who find themselves in the forefront of public attention and criticism will be authorized to expand their influence and to provide leadership on matters that directly address student-athlete well-being."

NCAA Division I Board of Directors
New Composition
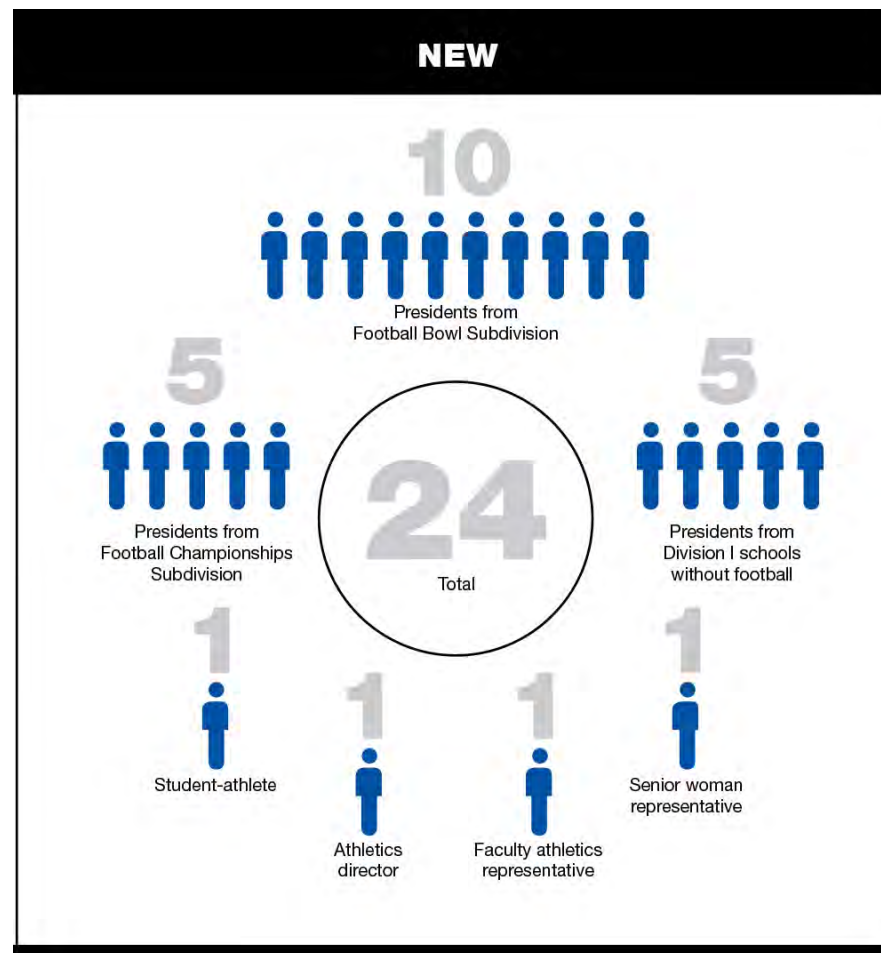
VIRGINIA TECH ATHLETICS

NCAA Division I Council
New Composition

NEW

2 Student-athletes

4 Conference commissioners

2 Faculty (one each from the 1A FAR Association and FARA)

32 Conference representatives
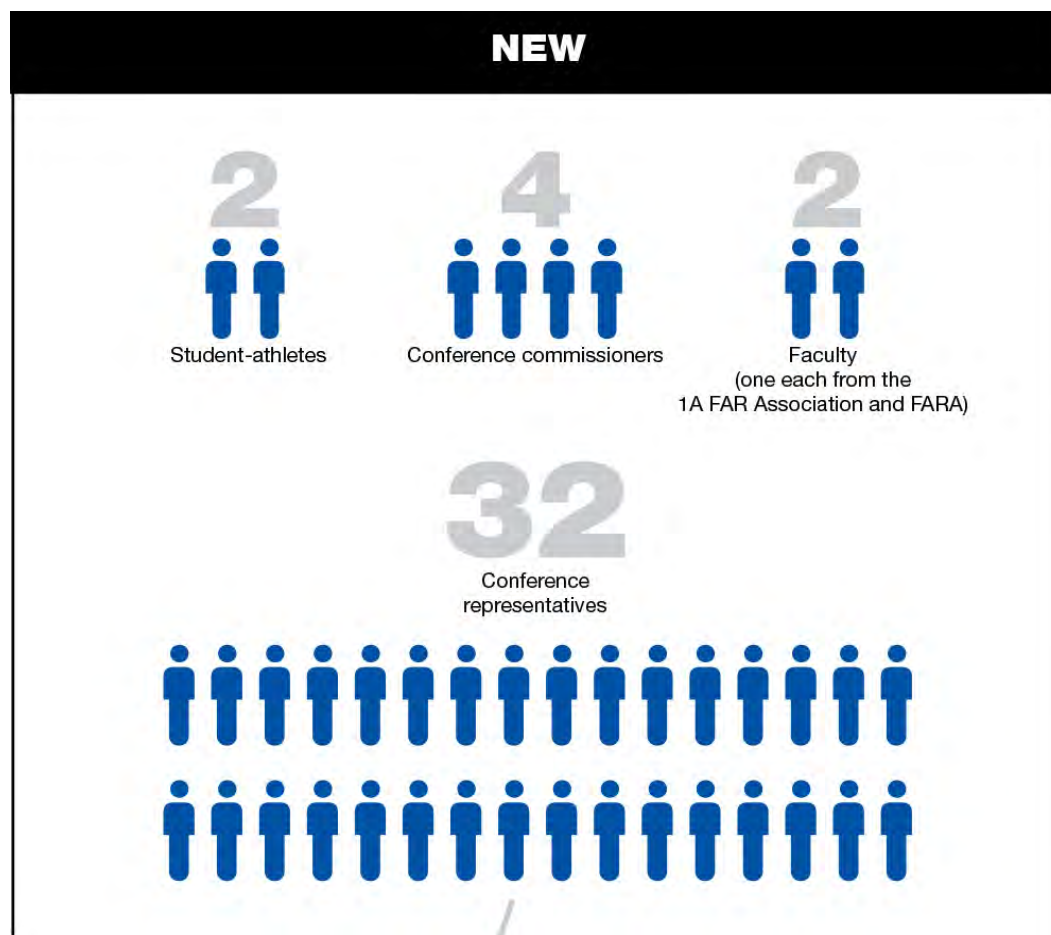
VOTING WEIGHT

The "Power Five" 37.5%

Other FBS 18.8%

FCS/Non-Football 37.5%

Student-Athletes 3.1%

Faculty Reps 3.1%

Autonomy
What Is It?

"Autonomous legislation is designed to allow permissive use of resources or to otherwise enhance the well-being of student-athletes by any member, to advance the legitimate educational or athletics-related needs of student-athletes. Under the new NCAA governance model, autonomous legislation that is developed and adopted among these institutions and conferences may also be applied by the rest of Division I at each conference's respective discretion, which may include delegation of such discretion to its member institutions."

Compliance Services

Autonomy
What Areas Are <u>Not</u> On the Table?

- Minimum Academic Standards

- Team Scholarship Limits

- Many Recruiting Provisions

- Division I Membership Requirements

Autonomy
What Areas Are <u>Are</u> On the Table?

- Student-Athlete Health and Wellness
- Student-Athlete Meals and Nutrition
- Student-Athlete Financial Aid
- Student-Athlete Expenses/Benefits During Enrollment
- Student-Athlete Insurance
- Student-Athlete Career Pursuits
- Student-Athlete Time Demands
- Student-Athlete Transfer Eligibility
- Student-Athlete Academic Support
- Student-Athlete Career Transition
- Recruiting (some areas)
- Personnel

VT Compliance Services

Autonomy
Who Casts The Votes?
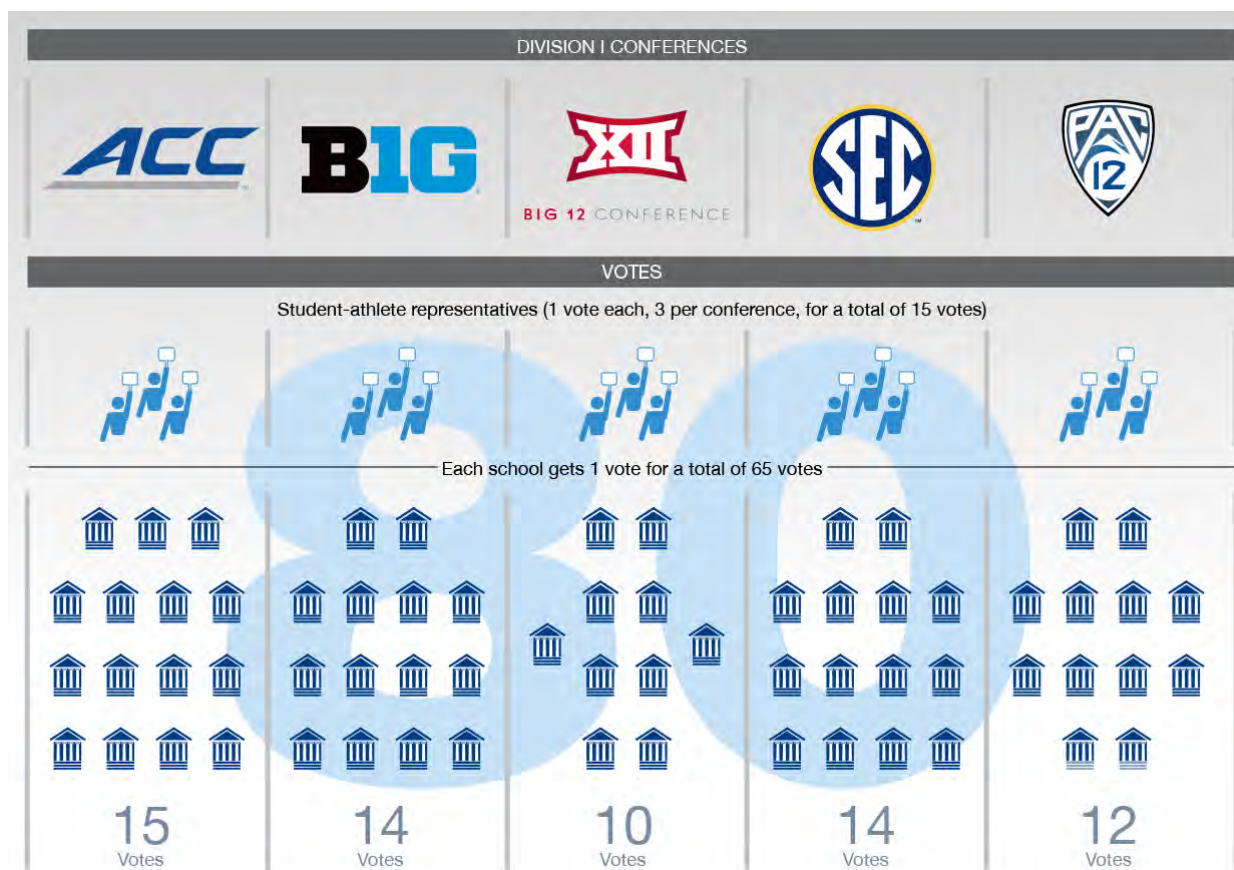
Autonomy

How Are Changes Adopted?
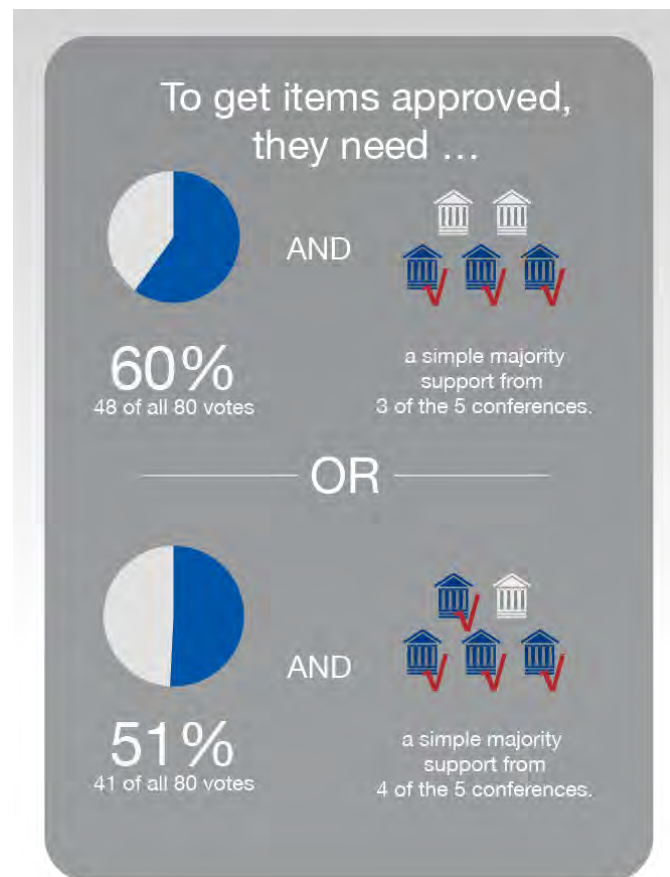
Autonomy
Likely First Areas To Be Addressed

- Increase the maximum scholarship amount.

- Expand the provision of expenses incurred by a student-athlete and his/her family and friends that are associated with the competitive experience.

- Modify rules related to the terms and conditions of awarding student-athlete financial aid.

- Redefine rules governing agents and advisors so that more assistance could be provided to student-athletes with career planning and decision-making.

Autonomy

Likely First Areas To Be Addressed

- Permit the provision of insurance-related expenses.

- Address rules that hinder a student-athlete's career pursuits unrelated to athletics (e.g. restrictions on a student-athlete promoting his/her musical career).

- Update rules and policies governing student-athlete time demands in order to permit a more appropriate balance between athletics and other activities.

- Revise existing personnel definitions and limits.

VT Compliance Services

Autonomy
Re-Examining Financial Aid

Cost of Attendance (CoA) Model

- If adopted, would raise the maximum value of a full scholarship from Tuition/Fees/Room/Board/Books to Cost of Attendance

- New money would flow to student-athletes proportionally, based on scholarship level.

- Projected cost to Virginia Tech: $800-900K (first-year maximum)
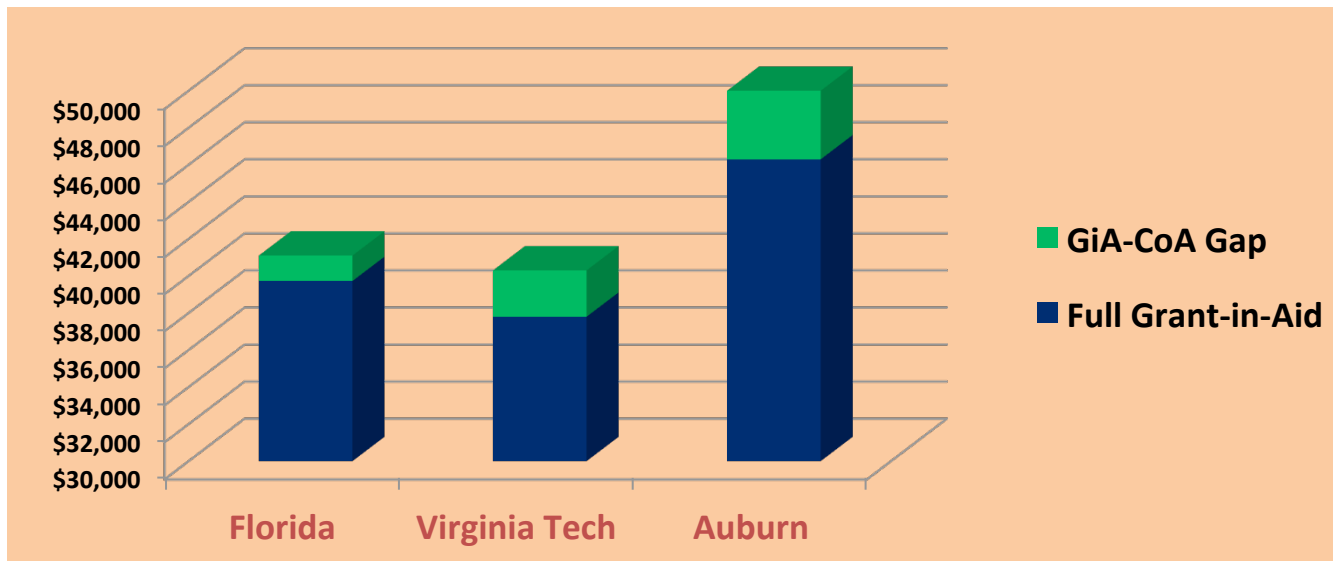
System Timeline
New Governance Structure And Autonomy
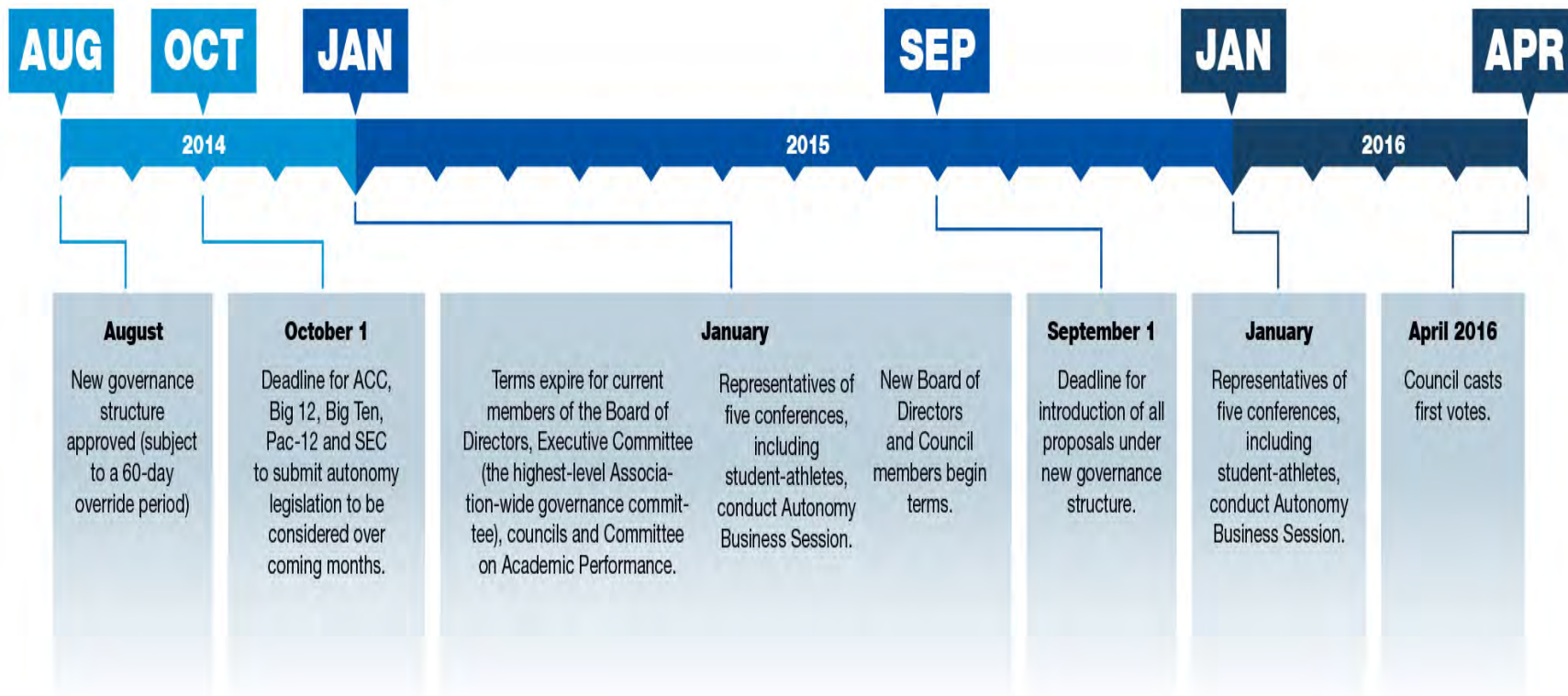
Centering our Focus on the Student (Athlete) –
"Pylons of Promise"
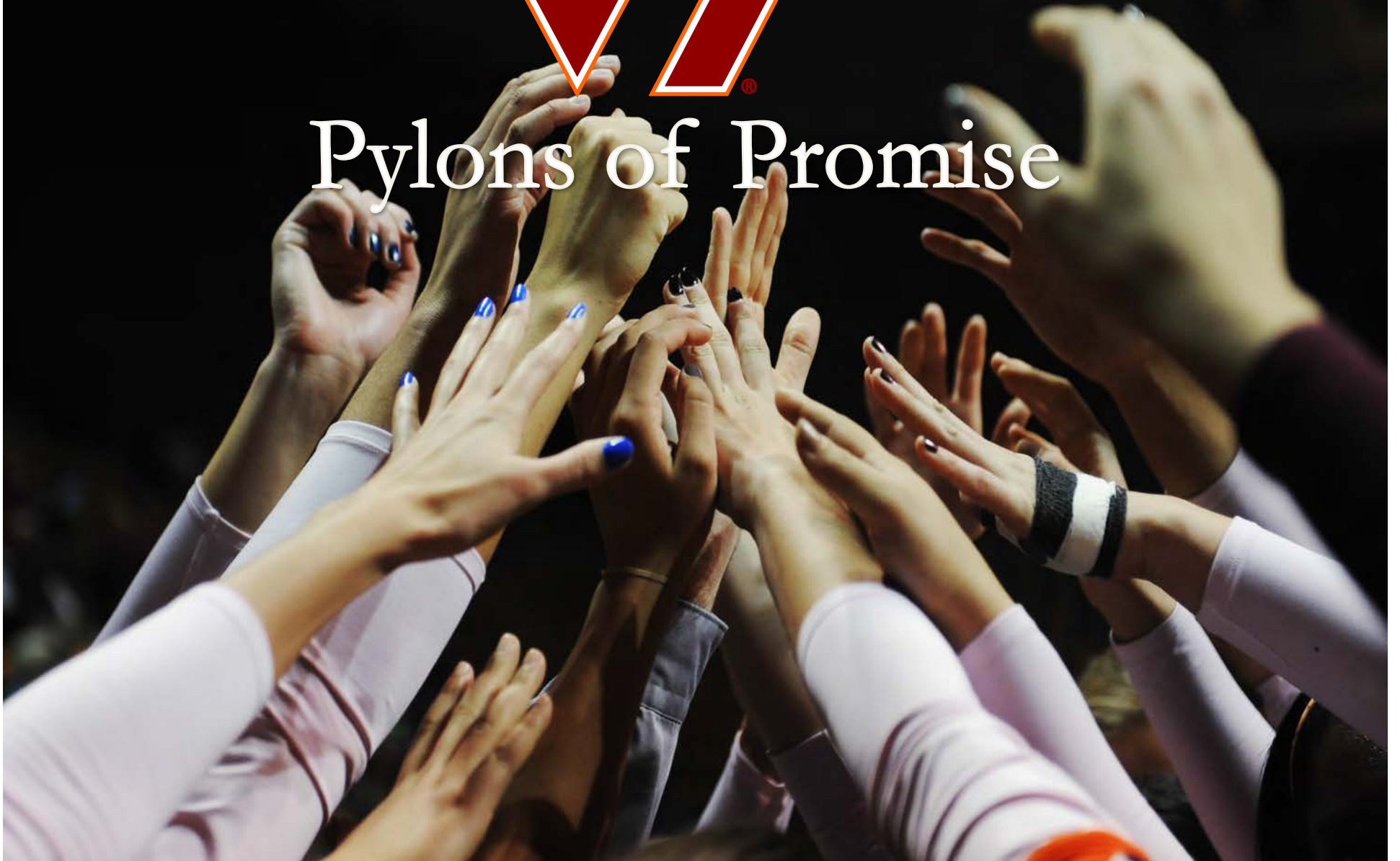
BROTHERHOOD

HONOR

LEADERSHIP

SACRIFICE

SERVICE

LOYALTY

DUTY

UT PROSIM
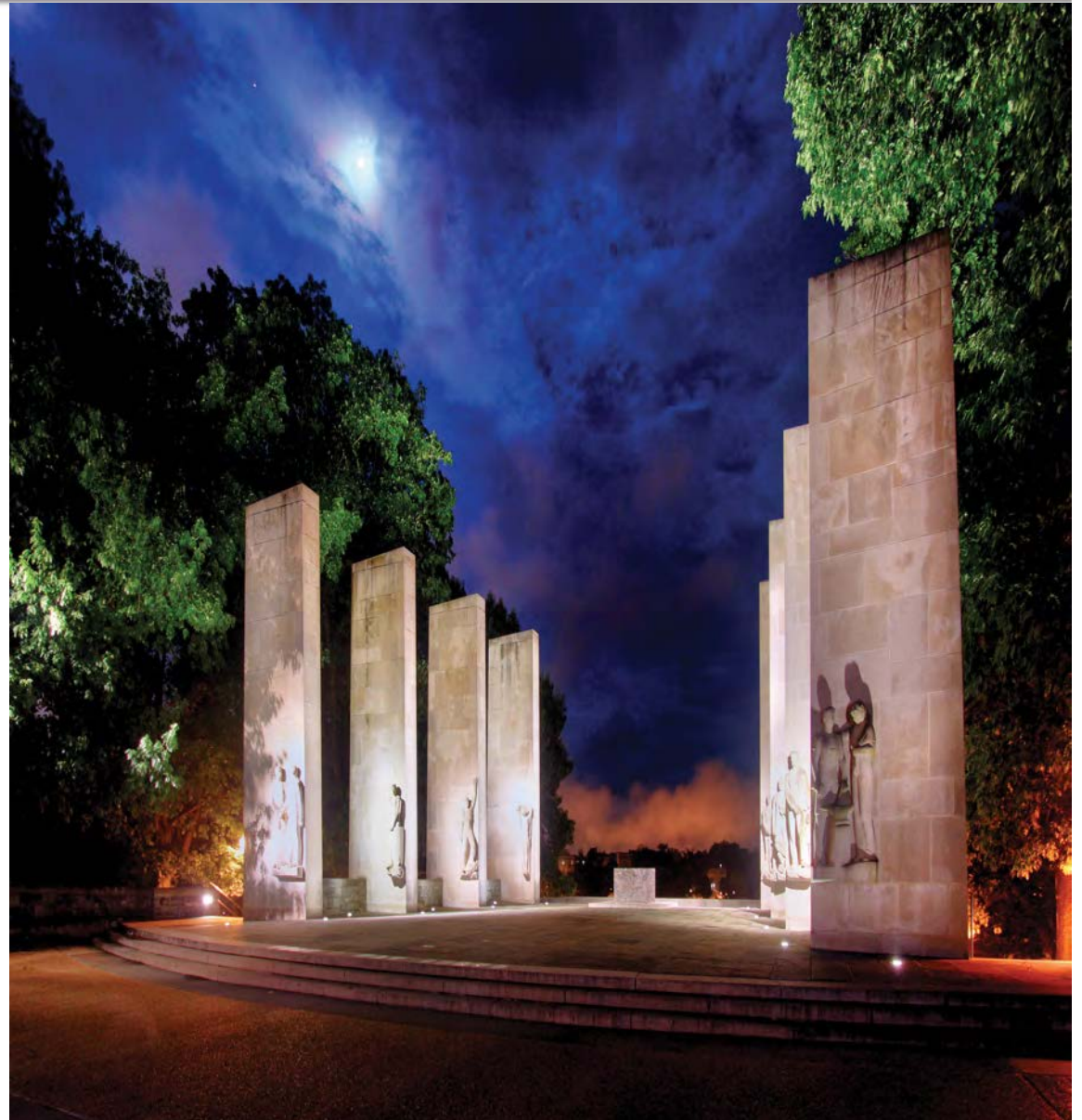
Pylons of Promise

LOYALTY

    HOKIE DEGREE GUARANTEE

    COST OF EDUCATION

    FOUR-YEAR SCHOLARSHIP COMMITMENT

DUTY

    ACADEMIC SUPPORT

    COMPREHENSIVE HEALTH, SAFETY, AND WELLNESS

    COMPREHENSIVE ATHLETIC SUPPORT

LEADERSHIP & SERVICE

UT-PROSIM: A CULTURE OF TRUST & RESPECT

BROTHERHOOD: A COLLECTIVE VOICE

Virginia Tech Athletics

Loyalty

Hokie Degree Guarantee

Cost of Education

Four-Year Scholarship Commitment

VIRGINIA TECH ATHLETICS

Duty

Academic Support

Comprehensive Health, Safety, and Wellness

Comprehensive Athletic Support
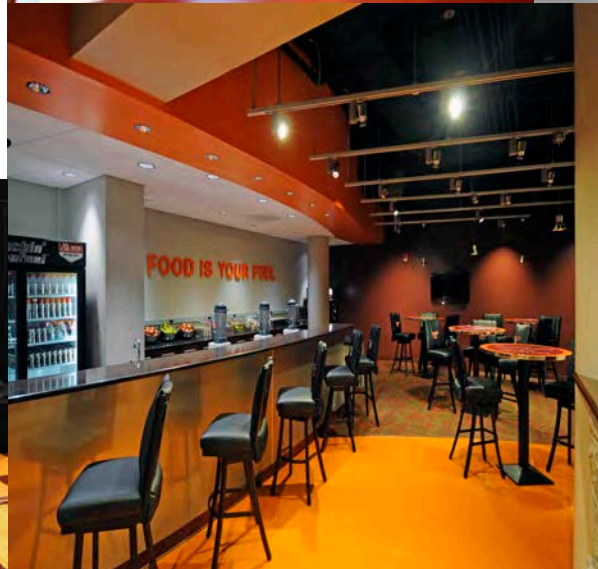
LEADERSHIP
And Service

Leadership Development Programs

International Service Learning

Targeted Career Development Program

VIRGINIA TECH ATHLETICS

UT PROSIM

A Culture of Trust And Respect

Honor And Sacrifice

A Shared Responsibility

It is a privilege to represent Virginia Tech. Our Student-Athletes, Coaches, and Staff share in this privilege and are expected to act with honor in all that we do.

VIRGINIA TECH ATHLETICS

Pylons Estimated Implementation Costs	Option A	Option B	Option C
Hokie Degree Guarantee	$ 190,000.00	$ 190,000.00	$ 190,000.00
Approximately 5 students per year x out-of-state tuition/fees/books @ $38,000			
Cost of Education			
Head Count Only	$ 408,800.00		
All Sports on FULL GIA		$ 544,700.00	
All Sports including equivalencies			$ 867,825.00
Nutrition Augmentation	$ 75,000.00	$ 75,000.00	$ 75,000.00
Training Table for All Teams	$ 1,500,000.00	$ 1,500,000.00	$ 1,500,000.00
Suits upon graduation from Career Game Plan	$ 5,000.00	$ 5,000.00	$ 5,000.00
Total	**$ 2,178,800.00**	**$ 2,314,700.00**	**$ 2,637,825.00**
Training Table for All Teams	$ 1,500,000.00	$ 1,500,000.00	$ 1,500,000.00
Total Without Training Table for All Teams	**$ 678,800.00**	**$ 814,700.00**	**$ 1,137,825.00**

The Financial Equation
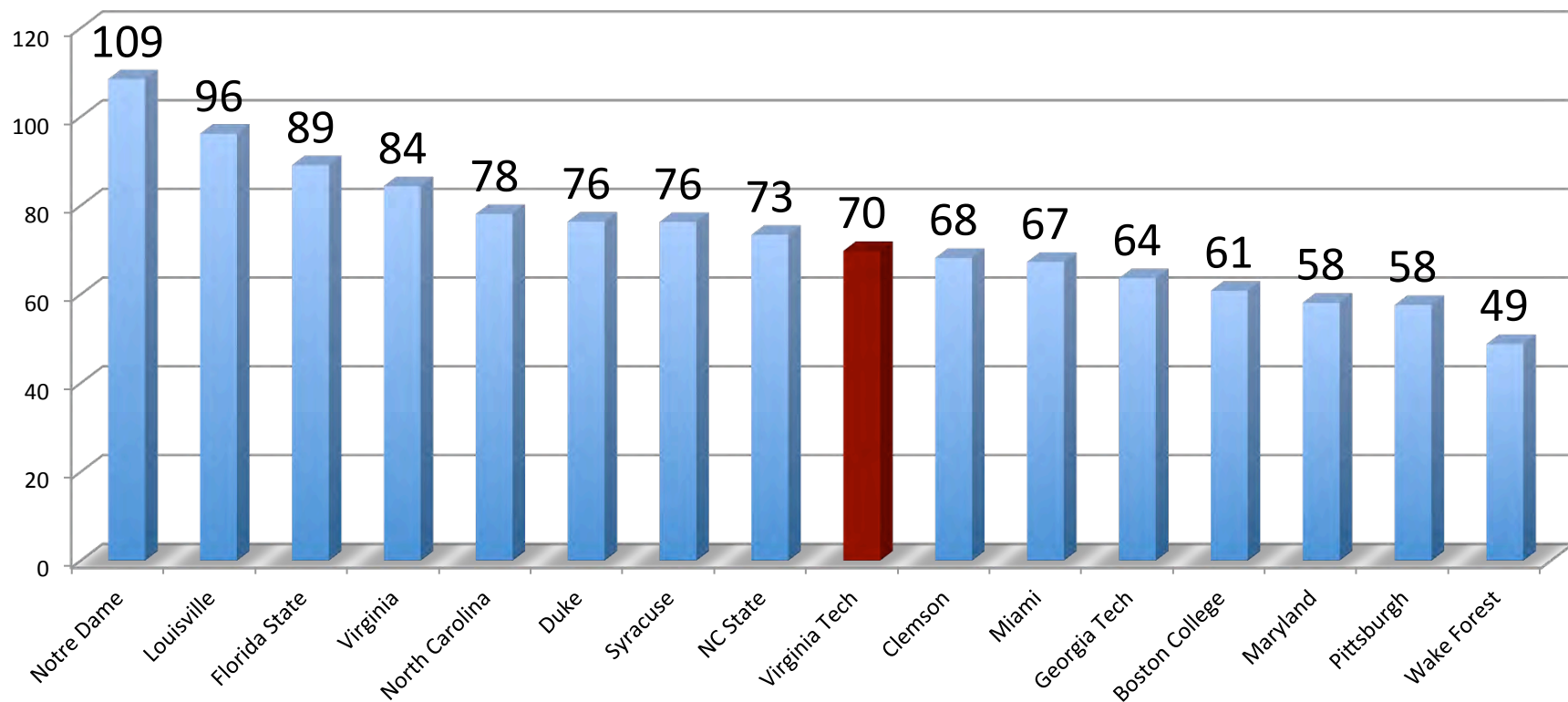
- Fiscal Year Ending June 30, 2014
- ACC $:
- Football Ticket Revenue:
- Hokie Club Fundraising:
- Corporate Partner Sponsorship:
- Scholarships:
- Fees (Student):
- Pylons of Promise & New Governance:

603 Student-Athletes

171 Staff

22 Sports

1 Team

Strong Together … No One of Us is as Strong as All of Us

Thank You
and
Go Hokies!

Student Government Association

Elizabeth Lazor- President

Tanushri Shankar- Vice President

Cabinet

President
Elizabeth Lazor

Vice President
Tuna Shankar

Secretary
Rachel Estariz

Treasurer
Kylie Gilbert

Chief of Staff
Danny Strock

Speaker of the House
Stephen Hennsell

Speaker of the Senate
B.H. Kim

Chief Justice
Jake Tully
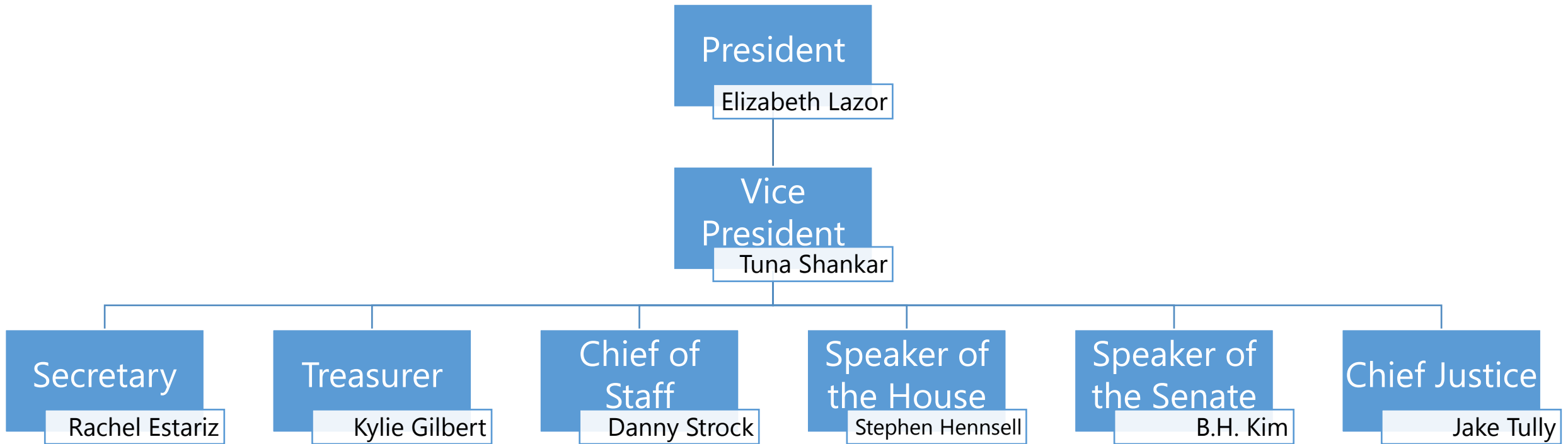
Executive Branch

Internal:
- Communications
- Financial Assistant
- Legislative Liaison
- Membership Development
- Technology

External
- Academic Affairs
- Alumni Relations
- Community Initiatives
- Corps Initiatives
- Equity & Inclusion
- FLEX
- Government Affairs
- Hokie Effect
- Student Outreach
- Sustainability
- Transportation
- Virginia21

Legislative Branch

→ **House of Representatives**
Speaker of the House

The House of Representatives includes representatives appointed from Registered Student Organization (RSOs) and University Chartered Student Organizations (UCSOs).

→ **Senate**
Speaker of the Senate

The Senate is populated by elected representatives from each college.

Judicial Branch

Chief Justice

- 9 Associate Justices
- 2 Clerks

The Judicial Branch oversees the SGA elections process, in addition to maintaining and enforcing the governing documents.

Virginia Tech Student Government Association

Improving Graduate Life

Fostering Scholarly Development

Building Graduate Community

GRADUATE STUDENT ASSEMBLY (GSA) AT VIRGINIA TECH

The pre-eminent governance organization for graduate students at VT since 1969

OUR CORE RESPONSIBILITIES

1. Governance

2. Funding Programs

3. Events for the Graduate Community

Provide advocacy for the graduate student body and improve the experience for current and future students

Help key stakeholders understand the differences between the undergraduate and graduate student experience

GOVERNANCE

Executive Board

Cabinet

- Represents graduate students on university committees & committees

Delegate Body

- Two delegates/academic department

Advocacy

- *Health insurance, child care, fees, and policy changes*

University Administration

GSA Executive Board & Program Chairs

Delegate Body

Cabinet

Graduate Student Body

3
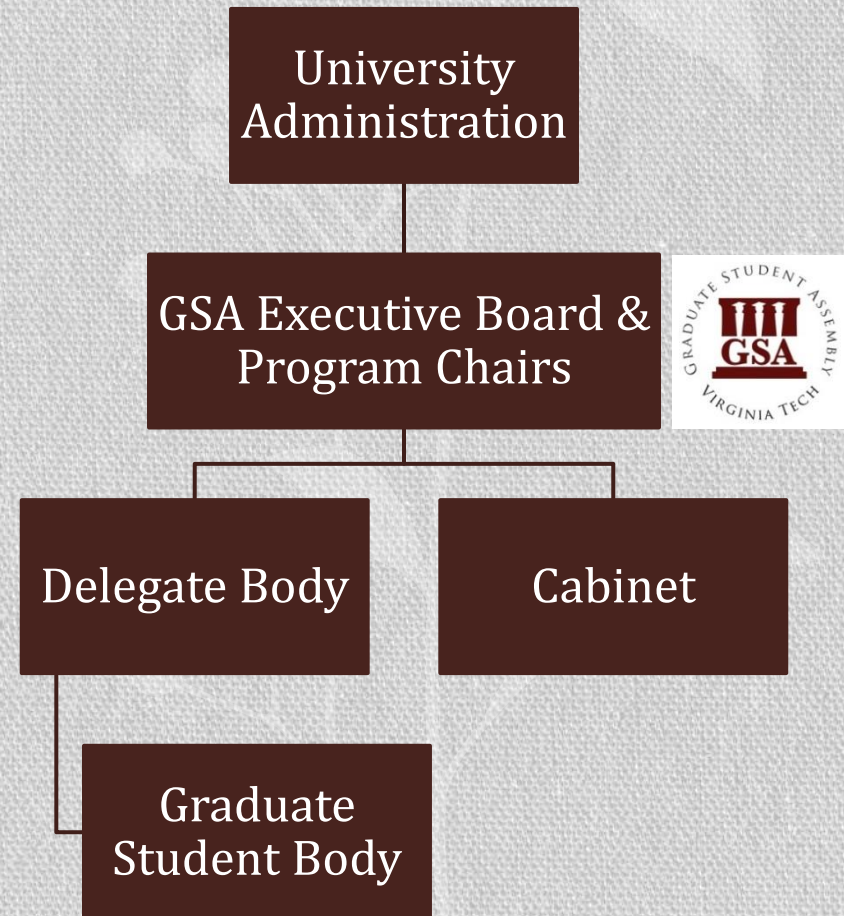
FUNDING PROGRAMS
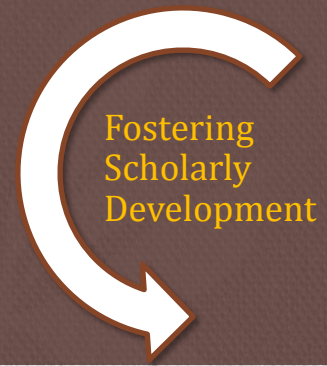
Travel Fund Program (TFP)

Approximately $50,000/year to support graduate travel to conferences and symposiums

Typical awards in past years between $200-500

Funded 192 students in 2013/14

Graduate Research and Development Program (GRDP)

Allocate $25,000/year to assist in graduate research at VT

Awards range from $500-700 based on degree

Funded over 40 separate projects in 2013/14

Professional Development Funding Program (In Pilot)

4

GRADUATE EVENTS

Graduate and Professional School Fair *(Fall)*

Bring in 110 different programs from across the country

Other Events

Little Hokies Donate and Swap
Fall/Spring Beer and Wine Social
Welcome Back BBQ

GSA Research Symposium *(Spring)*

Opportunity for students to share their research through oral presentations and poster session

Cash prizes from $250-750

5

Commission Structure

Commission on Administrative and Professional Faculty Affairs

Commission on Equal Opportunity and Diversity

Commission on Faculty Affairs

Commission on Graduate Studies and Policies

Commission on Outreach and International Affairs

University Council

Commission on Research

Commission on Staff Policies and Affairs

Commission on Student Affairs

Commission on Undergraduate Studies and Policies

Commission on University Support

VirginiaTech
1872

Commission on Student Affairs

Our Charge

To study, formulate, and recommend to University Council policies and procedures affecting graduate and undergraduate student life and morale. Areas for consideration include: student relations with peers, staff, faculty, administrators, alumni, and the community; student organizations, social life, and recreation; employment, placement, and counseling; residential life, health, safety, and quality of student related services; and other matters affecting student life.

We represent the interests of all students; graduate and undergraduate	We are *student affairs* policy driven	Relationships with students, staff, faculty, and governing bodies are paramount

VirginiaTech 1872

Commission on Student Affairs
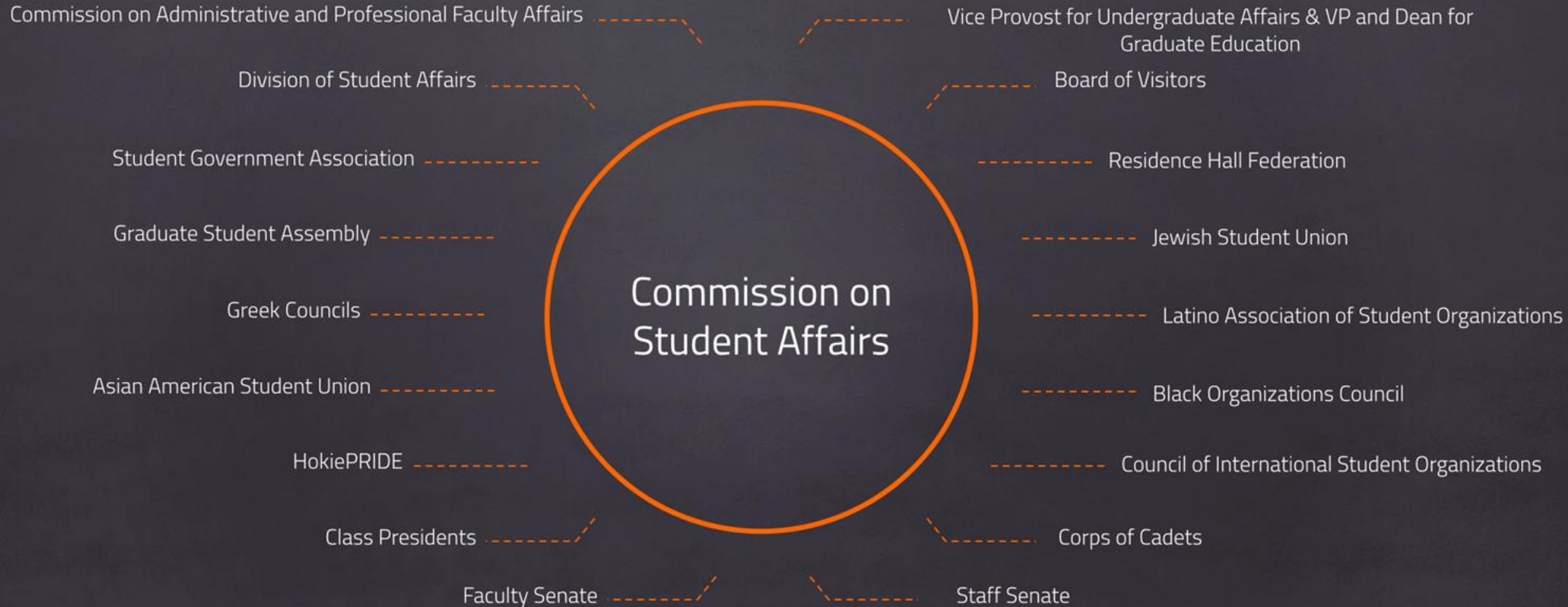
Our Goals & Objectives

IDEATE
We want to think critically about the current state of student affairs

EDUCATE
We want to educate ourselves and others regarding the student experience

ENERGIZE
We want to energize our members and other stakeholders to collaborate and take action towards solutions

CELEBRATE
Progress towards our goals and objectives is significant and recognizing that success is crucial

Objective #1: We will meet stakeholders in person; inside and outside of our meeting times

Objective #2: We will see the "big picture"

Objective #3: We will open doors and empower our members to be active in governance and have confidence in taking action on issues

Objective #4: We will celebrate success, but also reframe failure as a learning experience and which is progress toward success.

Objective #5: We will develop a culture of teamwork within the group and in relationships with others.

Objective #6: We will think about broadly about students affairs at Virginia Tech and the intricacies of the division's impact

VirginiaTech 1872

Commission on Student Affairs

VirginiaTech
Division of **Student Affairs**

Unlocking Potential
YOUR VIRGINIA TECH EXPERIENCE

Our Aspirations for Student Learning
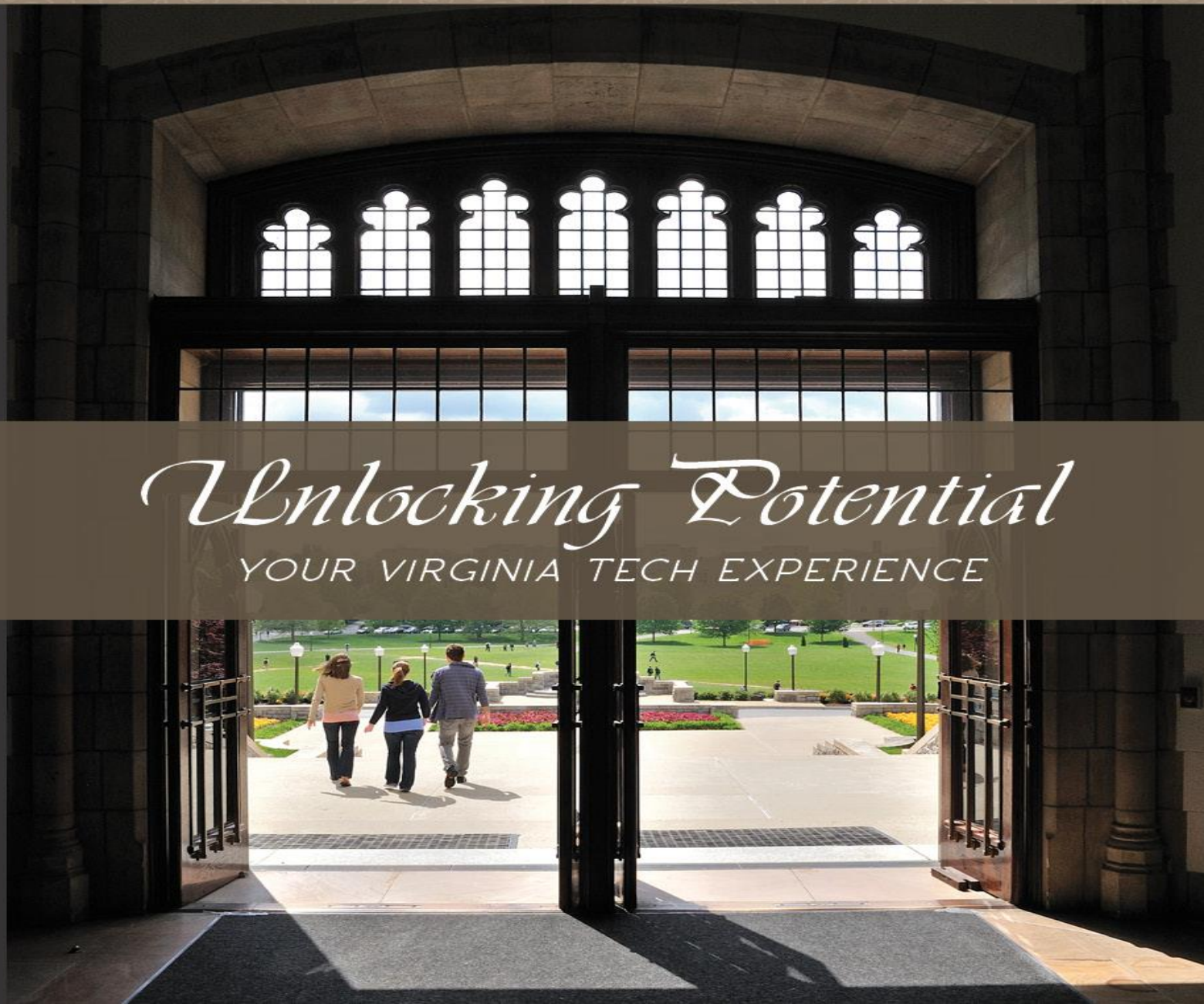
Virginia Tech
1872
Division of Student Affairs

5th – 12th Grade Student Engagement

5th	4.38
6th	4.28
7th	4.12
8th	4.00
9th	3.92
10th	3.79
11th	3.77
12th	3.80

2010 Fall Gallup Student Poll
n= 252,427

Commit to unwavering *curiosity*

Virginia Tech students will be inspired to lead lives of curiosity, embracing a life-long commitment to intellectual development.

Do I have a sense of wonder about the world?
What opportunities at Virginia Tech will challenge me to
discover and learn new things?

The important thing is not to stop questioning.
– Albert Einstein

Pursue
self-understanding & integrity

Virginia Tech students will form a set of affirmative values and develop the self-understanding to integrate these values into their decision-making.

Who am I and what do I value?
How will what I value shape who
I become?

The unexamined life is not worth living.
– Socrates

Practice *civility*

Virginia Tech students will understand and commit to civility as a way of life in their interactions with others.

When I am ruthlessly honest with myself, when do I
think my civility is most tested?
How can I reach out with kindness to people I most
struggle to understand?

Love and compassion are necessities, not luxuries.
Without them humanity cannot survive.
– Dalai Lama

Prepare for a life of courageous leadership

Virginia Tech students will be courageous leaders who serve as change agents and make the world more humane and just.

What does courage look like to me?
Can I be courageous?
Am I willing to make decisions that benefit
others, even if there is cost to me?

Do not follow where the path may lead.
Go instead where there is no path and leave a trail.
– Ralph Waldo Emerson

Embrace

ut prosim

Virginia Tech students will enrich their lives through service to others.

When do I serve without recognition?
Is the principal purpose of my education to make a
better life for myself or a better world for others?

The best way to find yourself
is to lose yourself in the service of others.
– Mahatma Gandhi
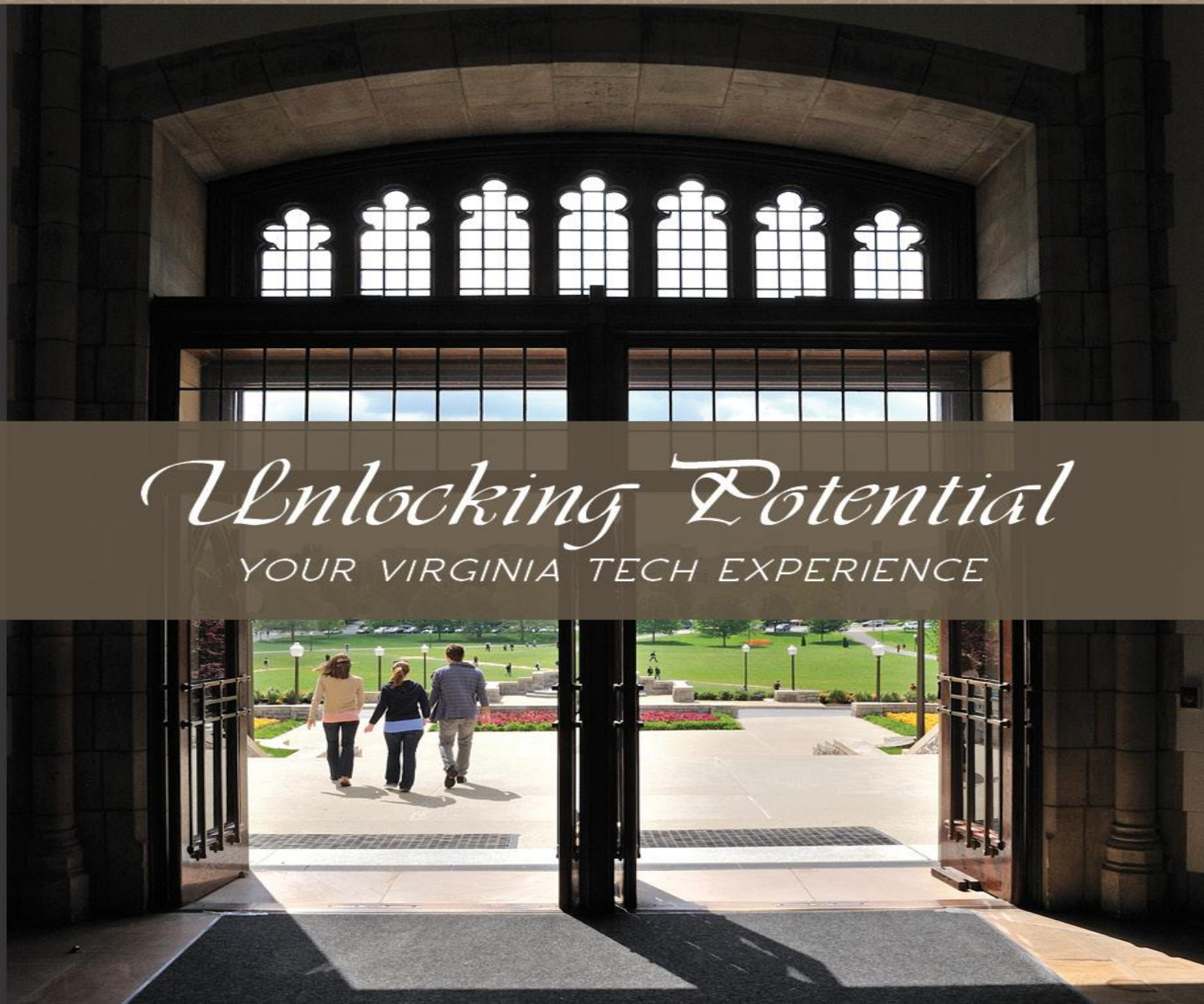
What's a Hokie?

Virginia Tech Principles of Community

Virginia Tech is a public land-grant university, committed to teaching and learning, research, and outreach to the Commonwealth of Virginia, the nation, and the world community. Learning from the experiences that shape Virginia Tech as an institution, we acknowledge those aspects of our legacy that reflected bias and exclusion. Therefore, we adopt and practice the following principles as fundamental to our on-going efforts to increase access and inclusion and to create a community that nurtures learning and growth for all of its members:

We affirm the inherent dignity and value of every person and strive to maintain a climate for work and learning based on mutual respect and understanding.

We affirm the right of each person to express thoughts and opinions freely. We encourage open expression within a climate of civility, sensitivity, and mutual respect.

We affirm the value of human diversity because it enriches our lives and the university. We acknowledge and respect our differences while affirming our common humanity.

We reject all forms of prejudice and discrimination, including those based on age, color, disability, gender, national origin, political affiliation, race, religion, sexual orientation, and veteran status. We take individual and collective responsibility for helping to eliminate bias and discrimination and for increasing our own understanding of these issues through education, training, and interaction with others.

We pledge our collective commitment to these principles in the spirit of the Virginia Tech motto of *Ut Prosim* (That I May Serve).

_____
Rector, Board of Visitors

_____
President, Faculty Senate

_____
President, Student Government Association

_____
President, Alumni Association

_____
President, Virginia Tech

_____
President, Staff Senate

_____
President, Graduate Student Assembly

_____
Chair, Commission on Equal Opportunity and Diversity

March 14, 2005

Our Aspirations for Student Learning

Curiosity

Self-Understanding & Integrity

Civility

Courageous Leadership

Ut Prosim

Smyth Hall

The Division of Student Affairs exists to sustain a culture of learning, reflecting the profound opportunities inherent for students at Virginia Tech. We believe students can develop habits of interpersonal awareness, intentional actions, and self-reflection, which complete and complement academic and professional education. The Division of Student Affairs is deliberate in discerning and designing the learning opportunities available in student environments, creating new and innovative practices for student learning, and assessing the extent to which students are able to apply knowledge to solve problems. We challenge students to connect knowledge to the possibilities for improving humanity near and far, creating a legacy now and in the future.

VirginiaTech 1872
Division of Student Affairs

Operating assumptions:

- Aspirations are the philosophical orientation to programs, events, and services
- Curriculum is the organizing structure
- Curriculum development process will assist each department
- Curriculum is flexible and customizable
- Learning and reflection - foundational

Phase	Curiosity Learning Outcomes	Stage	KASHDAN
Advanced model	Key Question: How do I live an engaged and curious life? As a result of programs, services and experiences, students: • Can articulate the value of lifelong learning and curiosity. • Can demonstrate connections between coursework, activities, and leadership roles. • Are unafraid to engage with new ideas. • Are comfortable confronting conflicting intellectual ideas. • Facilitate and encourage curiosity in others. • Mentor others through the process.	Create opportunities for others to learn new skills.	**Lifelong Learner** Purposefully encourage curiosity in others by living an engaged and curious life. Goal: Intellectual Development
Transition	Key Question: How does exploring and learning new things bring me fulfillment? As a result of programs, services and experiences, students: • Can articulate the value of curiosity to their learning and development. • Demonstrate confidence with exploring new ideas. • Utilize personal skills to enhance learning.		Reflecting on engaged learning
Intermediate practice	Key Question: What opportunities will challenge me to discover and learn new things? As a result of programs, services and experiences, students: • Demonstrate willingness to challenge self to learn, explore, and experience new ideas • Embrace the uncertainty of exploring unknown • Open to hearing new ideas that may conflict with existing belief system	Open to hearing new ideas that may conflict with existing belief system	**Engaged Learner** Challenge yourself by changing your perspective and embracing differences
Transition	Key Question: What am I curious about? As a result of programs, services, and experiences, students: • Are open to exploring new things or going deeper into areas of current interest. • Realize the importance of new and different ideas. • Can articulate what topics pique their curiosity. • Utilizes personal skills to enhance learning. • Can articulate their strengths and talents that positively contribute to learning. • Non-judgmental open phase to newness without reflection or intention	Non-judgmental and open phase to newness without reflection or intention	Understand self as a learner
Introductory participate	Key Question: What makes me curious? As a result of programs, services and experiences, students: • Can define curiosity. • Can articulate the importance of curiosity to learning. • Can identify their strengths. • Engage in new learning experiences.		**Passive Learner** Discover and explore your strengths and curiosity level

"the learner-centered curriculum"

- Students need to be able to transfer knowledge across context

- Curriculum as an enriching experience – process of meaning making

  - deep learning – requires active learning strategies of sense making, self-assessment, and reflection

  - "do not teach too many subjects, but what you teach, teach thoroughly. Let the main ideas be few and important and let them be thrown in every combination possible" (p.47)

  - Learning as an active, social, reciprocal activity where experience is transformed into learning by the learner

key·stone

ˈkēˌstōn/

noun

noun: **keystone**; plural noun: **keystones**

1. a central stone at the summit of an arch, locking the whole together**.**

   · the central principle or part of a policy, system, etc., on which all else depends.
   "cooperation remains the keystone of the government's security policy"

Keystone Mission

The Keystone Experience is an opportunity for students to better understand and put into practice the Aspirations for Student Learning. The Division of Student Affairs and campus partners will provide learner-centered experiences that engage students in an opportunity to learn, participate, and model the five aspirations.

Goals of the Keystone Experience

- Introduce students to the Aspirations for Student Learning and have them engage in experiences that meet the introductory level of each aspiration (what is each aspiration and why is it important?).

- Provide a clear and intentionally sequenced path for students to engage in numerous and varied experiences that allow them to learn, practice, and model the Aspirations for Student Learning.

- Provide the resources for students to track and reflect on their experiences through a co-curricular transcript.

Goals of the Keystone Experience Cont.

- Assist students in making meaning of their VT experience through community interactions (peers/mentors/faculty/staff), with opportunities for students to reflect on their experiences with faculty, staff, and peers.

- Provide students with the opportunity to engage in activities that prepare them for in-depth reflection so that the quality of their learning is enriched and the relationships that are created or strengthened can flourish.

- Ensure that all of the division's programs, events, and services link to our core values so that we connect with as many students as possible with the goal to provide every student an opportunity to engage in dynamic learning environments.

Keystone Field guide

Keystone Experience "App"

- Aspirations for Student Learning content

- Interactive campus map

- Events populated from Gobblerconnect

- Achievements

VirginiaTech
Division of Student Affairs

Assessment Plan

- Assess the Field Guide – VT Experience Longitudinal Study in HRL

- Departmental Assessment of "Happenings" in GobblerConnect

- Assessment & Analytics – participation & usage
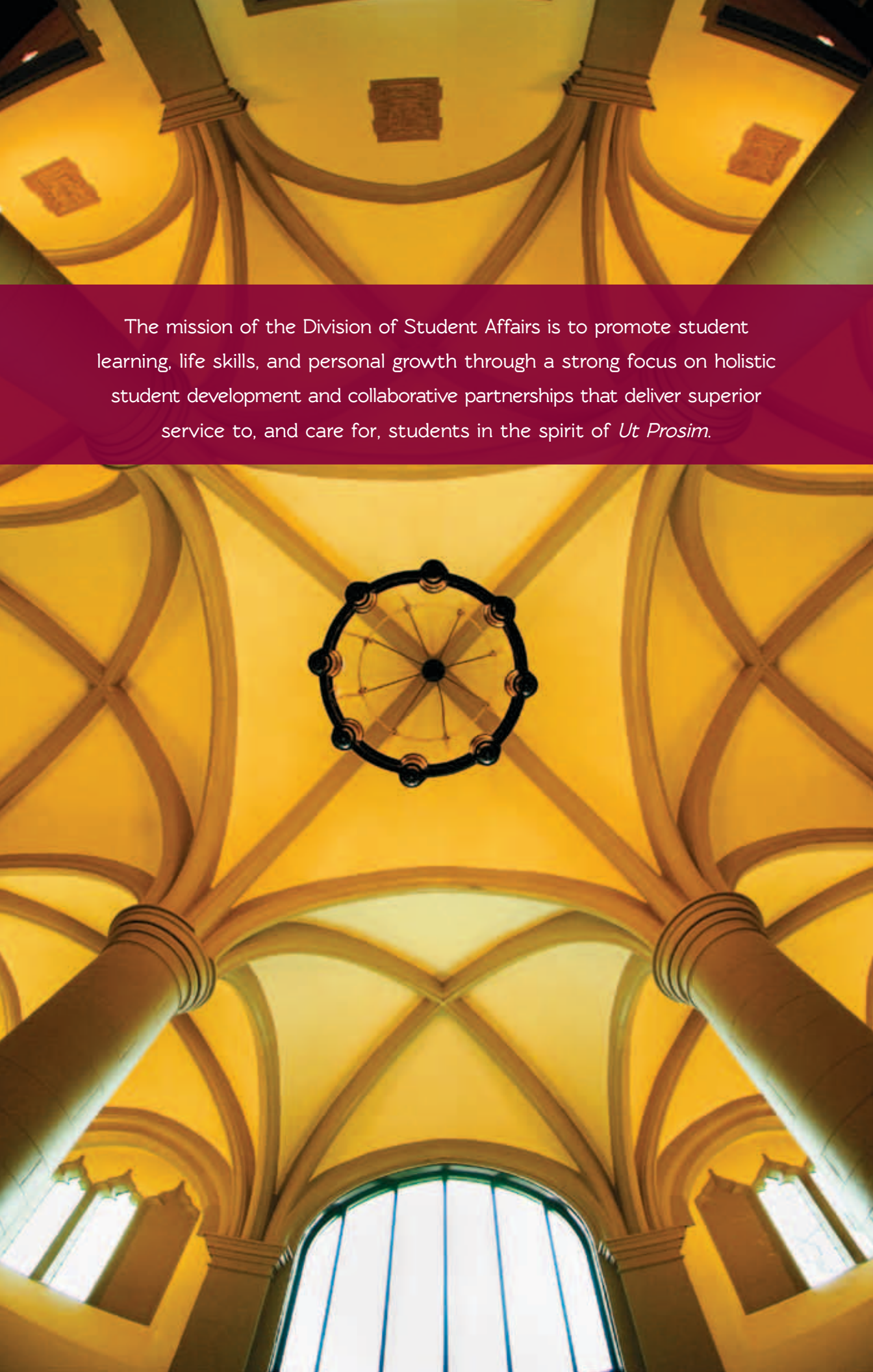
Unlocking Potential

YOUR VIRGINIA TECH EXPERIENCE

The mission of the Division of Student Affairs is to promote student learning, life skills, and personal growth through a strong focus on holistic student development and collaborative partnerships that deliver superior service to, and care for, students in the spirit of *Ut Prosim*.

The Virginia Tech

Division of Student Affairs

The Division of Student Affairs is composed of 15 departments committed to the growth, development, and achievement of students at Virginia Tech:

Campus Alcohol Abuse Prevention Center

Career Services

Cook Counseling Center

Corps of Cadets

Cranwell International Center

Dean of Students Office

Dining Services

Fraternity & Sorority Life

Housing & Residence Life

Multicultural Programs & Services

Recreational Sports

Schiffert Health Center

Services for Students with Disabilities

Student Centers and Activities

Student Conduct

Your Virginia Tech
experience

On the cover of this book, you see a scene of campus from inside the front doors of Burruss Hall. The view is restricted by the doors; without opening them, you miss the full magnificence of the picture, and its potential goes unrealized. Now imagine yourself on our campus, opening these doors to reveal the potential the university holds for you.

In many ways, we see these doors as a metaphor for your Virginia Tech experience. The depth and breadth of opportunity that awaits you is profound and has been carefully crafted by the people who care deeply about how a Virginia Tech education can shape you, your future, and ultimately, the kind of world we all experience.

We want you to open the doors of opportunity by challenging yourself to be **CURIOUS**— to expose yourself to learning and opportunities that reveal new parts of yourself. We want you to pursue **SELF-UNDERSTANDING and INTEGRITY**— to discover the unique talents and values that will shape who you become. We want you to practice **CIVILITY**— to use Virginia Tech as a laboratory for discussing big ideas, problems, and our differences while being kind, compassionate, and caring. We want you to prepare for a life of **COURAGEOUS LEADERSHIP**—to recognize that making the world more humane and just comes at a cost for those who pave a better way for others.

Finally, we want you to embrace *UT PROSIM* as a way of life—to remember that your education is not only for you, but also for the good you will do for society by giving back through service.

So, we invite you to open these doors and unlock your potential. As you journey through your Virginia Tech experience, our aspirations for your learning will help guide you as you discover all the possibilities that await.

In the spirit of *Ut Prosim*,

Patricia A. Perillo, Ph.D.
Vice President for Student Affairs

Our Aspirations for Student Learning

Curiosity

Self-Understanding & Integrity

Civility

Courageous Leadership

Ut Prosim

Smyth Hall

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Commit to unwavering
curiosity

Virginia Tech students will be inspired to lead lives of curiosity, embracing a lifelong commitment to intellectual development.

The Virginia Tech student affairs experience seeks to instill the value that learning is the common essential element for intellectual development, discovery, and engagement, instead of a necessary means to a specified end. Virginia Tech believes that all environments of the college experience provide countless opportunities for learning. Student organizations, service projects, classrooms, residence and dining halls, student centers, leader development programs, cultural and recreational events, and many other planned and spontaneous encounters at Virginia Tech cumulatively represent a vibrant learning laboratory for students.

Do I have a sense of wonder about the world?

What opportunities at Virginia Tech will challenge me to discover and learn new things?

The important thing is not to stop questioning.
– Albert Einstein

Pursue
self-understanding & integrity

Virginia Tech students will form a set of affirmative values and develop the self-understanding to integrate these values into their decision making.

Virginia Tech students will experience, explore, and understand the values and principles of their families, communities, and the many cultures they encounter. As students better understand themselves, their strengths and interests, and align their values with purposeful decision making, they will adopt an integrated set of principles to guide their personal and professional lives.

Who am I and what do I value?

How will what I value shape who I become?

The unexamined life is not worth living.
– Socrates

Practice
civility

Virginia Tech students will understand and commit to civility as a way of life in their interactions with others.

Living and learning as individuals who believe in the Principles of Community and Hokies Respect, students will pursue and embrace the value of civility, which will be carried throughout life. At the heart of this pursuit is a basic commitment to consideration, respect, and courtesy. Civility is a shared gift that we give and receive in turn. Accordingly, civility expects that we strive to listen, as well as to speak to each other; we try to understand each other in our commonalities and differences; we give respect due to all members of the university community; we favor courtesy over rudeness and encourage considerate treatment over dismissive behavior; and we combine free speech with reasoned expression so that liberty and peace are both served.

When I am ruthlessly honest with myself, when do I think my civility is most tested?

How can I reach out with kindness to people I most struggle to understand?

Love and compassion are necessities, not luxuries. Without them humanity cannot survive.
— Dalai Lama
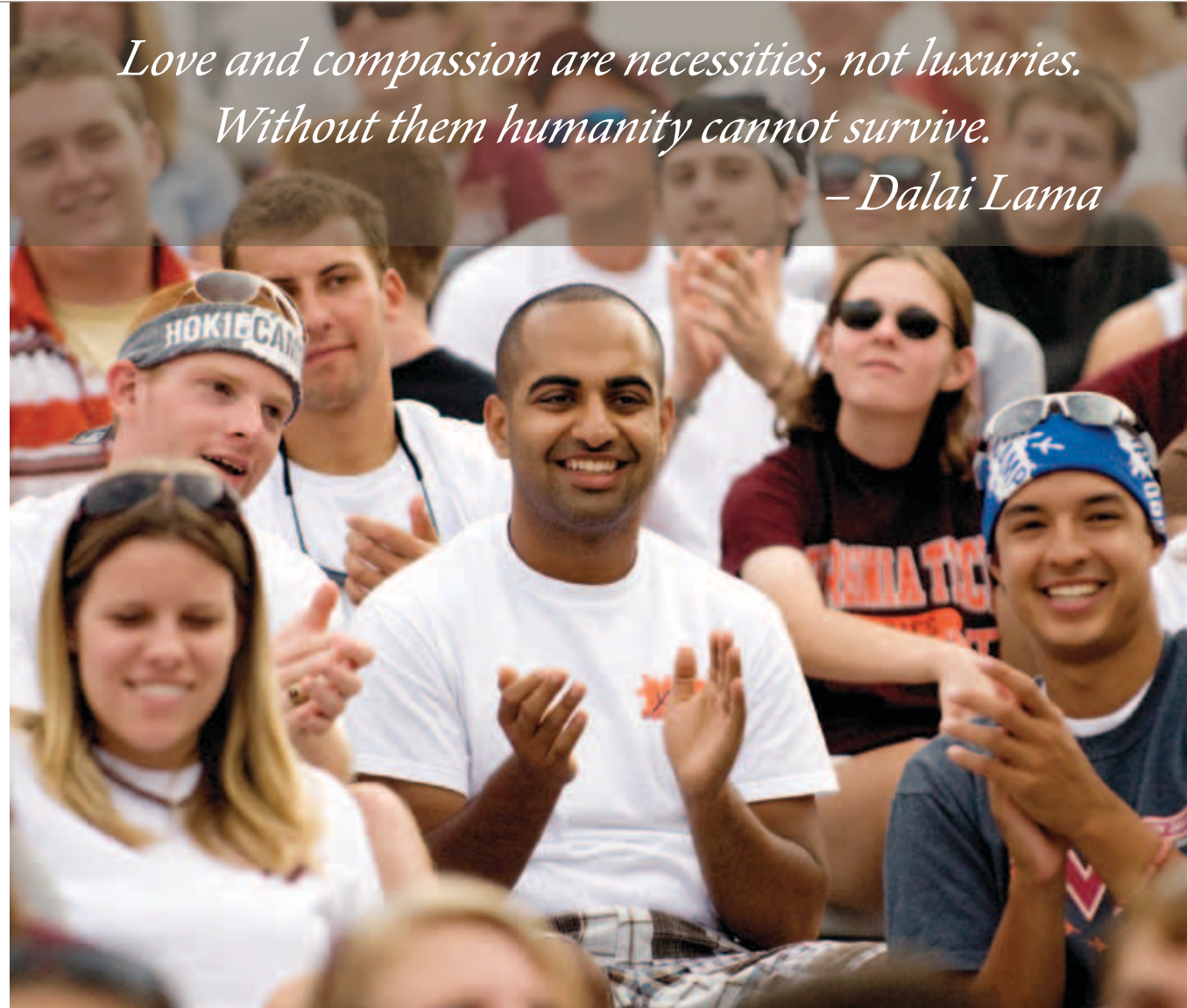
Prepare for a life of
courageous leadership

Virginia Tech students will be courageous leaders who serve as change agents and make the world more humane and just.

Virginia Tech students will be courageous leaders who are willing to challenge the status quo in pursuit of a more humane and just world. They will have the fortitude to speak up when they witness an injustice and reach out to those who are vulnerable, marginalized, or in need. Courageous leadership is possible whether or not the individual is in a position of responsibility. Virginia Tech students will inspire others with their actions, changing the world one decision at a time.

What does courage look like to me? Can I be courageous?

Am I willing to make decisions that benefit others, even if there is cost to me?

Do not follow where the path may lead. Go instead where there is no path and leave a trail.
— Ralph Waldo Emerson

Embrace
ut prosim as a way of life

Virginia Tech students will enrich their lives through service to others.

The university motto, *Ut Prosim* (That I May Serve), and the Principles of Community will stand as a foundation for the development of personal relationships, physical spaces, and intercultural experiences, which create communities. Within, these communities compel students to understand and develop a value system that will guide their decisions and enable them to offer themselves as responsible citizens of the world.

When do I serve without recognition?

Is the principal purpose of my education to make a better life for myself or a better world for others?

The best way to find yourself is to lose yourself in the service of others.
– Mahatma Gandhi

To learn about the Division of Student Affairs' Aspire! Awards;
nominate a student who exemplifies the Aspirations for Student Learning;
or read the blog of reflections from faculty, staff, and students,
visit www.dsa.vt.edu/aspirations.

Virginia Tech
Division of **Student Affairs**

112 Burruss Hall
Blacksburg, VA 24061
(540) 231-6272

www.dsa.vt.edu

Keystone Experience Quick Facts – September 2014

The Division of Student Affairs (DSA) has identified the following Aspirations for Student Learning that serve as our philosophy and guide for our practice. They are:

- Commit to unwavering Curiosity
- Pursue Self-Understanding and Integrity
- Practice Civility
- Prepare for a life of Courageous Leadership
- Embrace *Ut Prosim* as a way of life

With the creation of the Aspirations for Student Learning, we have created an integrated, learning-centered curriculum to engage our students with each of our aspirations. We embrace a collective identity where every faculty, staff, and student leader is viewed and valued as an educator. The curriculum, called the Keystone Experience, is an integrated pathway of learning. Our hope is that students have the opportunity to engage in activities that prepare them for in-depth reflection so that the quality of their learning is enriched and the relationships that are created or strengthened can flourish. The aspirations curriculum ensures that all of our programs, events, and services have sufficient overlap so that we connect with as many students as possible with the goal to give every student an opportunity to engage in dynamic learning environments. This model allows for each contribution from every unit within the Division of Student Affairs, as well as from our academic partners, to come together to create a dynamic, learning-centered curriculum for our students. With our curriculum, we support the idea that, "the integration of learning must embrace out-of classroom experiences as well as all aspects of the formal academic curriculum" (Dungy, 2006, p.1). From this perspective, the Keystone Experience is designed to advance the development of self-authorship for our students.

Self-Authorship: Foundational Theory of Holistic Development

Self-authorship is a developmental theory that integrates epistemological, interpersonal, and intrapersonal development. Magolda's longitudinal study (2001, 2009) best outlines the developmental process of self-authorship, which moves one from reliance on external authorities (following external formulas) through a transition phase (the crossroad) until reaching self-authorship (trusting the internal voice, building an internal foundation, and securing internal commitments). Each of the developmental stages of self-authorship (following external formulas, the crossroad, and self-authorship) address development across epistemological, intrapersonal, and interpersonal dimensions. Because the Keystone Experience is self-directed, self-authored, and individualized, every student may experience it in different ways. As such, it is difficult to describe the experience in stages, or in a way that you would understand a traditional academic curriculum, with introductory level courses progressing to upper level courses.

Goals for the Keystone Experience

There are six goals outlined for the Keystone Experience.

1. Introduce students to the Aspirations for Student Learning and have them engage in experiences that meet the introductory level of each aspiration (what is each aspiration and why is it important?).
2. Provide a clear and intentionally sequenced path for students to engage in numerous and varied experiences that allow them to learn, practice, and model the Aspirations for Student Learning.
3. Provide the resources for students to track and reflect on their experiences through a co-curricular transcript.
4. Assist students in making meaning of their Virginia Tech experience through community interactions (peers/mentors/faculty/staff), with opportunities for students to reflect on their experiences with faculty, staff, and peers.
5. Provide students with the opportunity to engage in activities that prepare them for in-depth reflection so that the quality of their learning is enriched and the relationships that are created or strengthened can flourish.
6. Ensure that all of the division's programs, events, and services link to our core values so that we connect with as many students as possible with the goal to provide every student an opportunity to engage in dynamic learning environments.

Resources

Various new and current resources will be used to enhance students' Keystone Experience.

Keystone Field Guide

First-year students need guidance in how to engage and begin to create their own Keystone Experience. Resident advisors (RAs) will serve in this role. The Keystone Field Guide will be a printed book that is provided to all students living on campus. RAs will use the Field Guide as a tool to engage in one-on-one conversations and check-ins with residents. Students will use the Field Guide as a place to record reflection, write down their strengths, keep track of important experiences, etc. RAs may also use the Field Guide in community meetings.

GobblerConnect and Involvement Transcripts

Faculty and staff in the division can identify or create a program, event, or service that can be identified as a Keystone Happening. Students participate (tracked by self-report, swipe-in, or by roster uploaded by staff) and reflect on these experiences, and track their progress using the Co-Curricular Transcript in GobblerConnect. GobblerConnect is an online student involvement and organization registration system. This software allows for students to explore their interests and track their involvement.

Keystone Experience app

This newly developed app is integrated with GobblerConnect. Students have the ability to view a campus map that is rendered in 3D and populated with "pins," highlighting current and upcoming Keystone Happenings. Students can check in to events, share their reflections, and track their progress in the Keystone Experience.

THE

KEYSTONE

EXPERIENCE

THIS IS YOUr

KEyst on E
Exp Er IEnc E

You'll discover dozens of passions that will build on one another to form your Virginia Tech career, things that excite you and things you aspire to be. But, what will become the foundation to all of that? If you take a look around Virginia Tech, you'll start to notice that there are a lot of arches on campus. At the center of many of these are keystones: the apex of the curve, the locking piece, the heart of the arch.

your Keystone Experience is what will hold your passions together. It's up to you to create it through everything you engage in.

Five Aspirations for Student Learning. These are what every Keystone Experience is built from.

Unlocking your potential and the potential of those around you.

THE

KEYSTONE

EXPERIENCE

What you learn both inside and outside the classroom supports and strengthens everything about your time at Virginia Tech. The keystone in an arch is the final, and most important piec of the structure. It's what holds all of the other pieces together and binds them into a unified shap .

You are part of a community of learners, diverse in membership, but creating your unique, self-authored path at Virginia Tech. This is your Keystone Experience.

1. **Keystone app:** Discover all of the Keystone Happenings available to you

2. **Gobblerc onnect:** Sign up for student organizations at gobblerconnect.vt.edu

3. **Aspirations for s tudent Learning:** www.dsa.vt.edu/aspirations

4. **s trengths:** Discover your strengths at www.dsa.vt.edu/aspirations/strengths

5. **Keystone website:** www.dsa.vt.edu/keystone

GEtt In G st Art ED

What are you most excited about at Virginia Tech?

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What class are you most curious about?

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What three things do you want to accomplish this year?

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CHALLENGE

1. **Meet a professor after class**
2. **Go to Gobblerfest**
3. **Talk to someone you've not met, or sit with someone new at D2 at Dietrick Hall (or any other dining center) and strike up a conversation.**

What things capture your imagination?

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What does it mean to be curious?

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What are you most curious about at Virginia Tech?

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Where do you see these experiences taking you?

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Think about the talents you have and your top fiv strengths. How do they connect?

Discover your strengths at
www.dsa.vt.edu/aspirations/strengths.

Look back over the past month and write down highlights from your Keystone Experience.

I attended: ....

Date:..

Aspiration: ....

Snapshot description: ....

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Biggest takeaway: ....

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Forget what you've gone to? Check your Keystone app!
www.dsa.vt.edu/keystone

What do you value and why?

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Who has helped shape your values?

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What life experiences stand out as significant to you

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ExpLorE yoUr strEnGths

Of your top fiv strengths, which do you most identify with and why?

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Discover your strengths at
www.dsa.vt.edu/aspirations/strengths.

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I attended: ....

Date:...

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CHALLENGE Reach out to someone you've had a conflict with in the past couple of weeks and find out why you clashed

How do you connect with people you struggle to understand?

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Why does showing respect matter?

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Exp Lor E y o Ur str En Gths

How do your strengths make you unique and influ nce the way you interact with others?

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Discover your strengths at
www.dsa.vt.edu/aspirations/strengths.

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I attended: ....

Date:..

Aspiration: ....

Snapshot description: ....

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Biggest takeaway: ....

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Look back over the past month and write down highlights from your Keystone Experience.

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CHALLENGE

In the next week, write down every instance of courage you see or hear of (no matter how big or small). h ow do you relate to them?

Who do you see as courageous?

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What qualities do you admire in a courageous person?

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When have you stood up for someone who couldn't stand up for themselves?

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Exp Lor E y o Ur str En Gths

How do you use your strengths in the following situations:

In class: ....

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With friends: ....

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In new situations: ....

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Discover your strengths at
www.dsa.vt.edu/aspirations/strengths.

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Snapshot description: ....

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Look back over the past month and write down highlights from your Keystone Experience.

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Virginia Tech's motto is *Ut Prosim* (That I may Serve). How do you hope to align your strengths with a need in the world?

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How do you hope to serve the world in the future?

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Write down a commitment to begin achieving that goal.

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Access GobblerConnect at gobberconnect.vt.edu

Exp Lor E y o Ur str En Gths

How has discovering your strengths changed the way you view yourself?

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Discover your strengths at
www.dsa.vt.edu/aspirations/strengths.

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I attended: ....

Date:..

Aspiration: ....

Snapshot description: ....

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Biggest takeaway: ....

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Forget what you've gone to? Check your Keystone app!
www.dsa.vt.edu/keystone

What is your biggest highlight from fall semester and your hope for the spring?

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bUILDInG sUpport

You're creating the foundation to your Virginia Tech career every day, and a little support can go a long way in helping to build that up. It's time to find a m ntor.

chEcK thE FActs :

3 TImES
Graduates who felt supported during college (that professors cared, professors made them excited about learning, and had a mentor) are nearly **3x** as likely to be thriving than those who didn't feel supported.

1.7 TImES
The odds of graduates thriving in all areas of well-being are **1.7x** higher if students had a mentor who encourage them to purse their goals and dreams.

2.2 TImES
The odds of graduates being engaged at work are **2.2x** higher if students had mentors who encourage them to pursue their goals and dreams.

4.1 TImES
The odds of graduates being emotionally attached to their alma mater are **4.1x** higher if they had a mentor who encouraged them to pursue goals and dreams.

Who Insp Ir Es y o U?

Who is it you have deep discussions with? Who challenges you to be better? Who helps you grow?

The answers to these questions are people who can help guide you in difficult situations.   ist a few of these people below.

Why did you list each person on the page to the left, and how can they help you examine yourself?

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Pick someone from this list or another influe   tial person in your life to be your mentor and move on to the next section.

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conv Ers At Ion on E
TOpIc : LIFE STOr Y

Talk with your mentor about who you are and how you've gotten to where you are now.

What did you take away from that conversation?

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conv Ers At Ion t Wo
TOpIc : c Urr En T En VEn TS

Talk with your mentor about something you're trying to accomplish while at Virginia Tech.

What did you take away from that conversation?

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conv Ers At Ion thr EE
TOpIc : c HALLEn GIn G SITUATIOn S

Talk to your mentor about something happening in your life that you're struggling with and having trouble addressing.

What did you take away from that conversation?

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Loo KIn G bAc K

Look through your field g ide and think about the Aspirations for Student Learning. Describe how you've grown as a person throughout this process and make sure to include your meaningful takeaways from the year.

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Spend a couple minutes envisioning your next year. How has your experience changed how you view the diff rences in engagement and involvement? How do you plan to approach your next year at Virginia Tech?

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Asp Ir At Ions
FOr STUDEn T LEArn In G

cU r Ios Ity
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SELF-UNDERSTANDING AND INTEGRITY
Virginia Tech students will form a set of affirmati values and develop the self-understanding to integrate these values into their decision-making.

c Iv ILIty
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co Ur AGEo Us LEADErsh Ip
Virginia Tech students will be courageous leaders who serve as change agents and make the world more humane and just.

UT PROSIM
Virginia Tech students will enrich their lives through service to others.

VirginiaTech
Division of Student Affairs

Strategic Fundraising Priorities

Patricia A. Perillo, PhD
Vice President for Student Affairs
September 15, 2014

Our Mission:

To promote student learning, life skills, and personal growth **through a strong focus on holistic student development and collaborative partnerships that deliver superior service to, and care for, students in the spirit of *Ut Prosim*.**

Virginia Tech
Division of **Student Affairs**

Alumni and Family Programs
Assessment and Professional Development
Campus Alcohol Abuse Prevention Center
Career Services
Cook Counseling Center
Communications and Innovative Technology
Community Engagement and Inclusion
Corps of Cadets
Cranwell International Center
Dean of Students
Development for Student Affairs and Parent Support
Dining
Fraternity and Sorority Life
Housing and Residence Life
Leadership Education Collaborative
Multicultural Programs and Services
New Student and Family Programs
Recreational Sports
Schiffert Health Center
Services for Students with Disabilities
Student Advocacy
Student Centers and Activities
Student Conduct
VT Engage: The Community Learning Collaborative

Shaping the Virginia Tech Student Experience is what Drives our Fundraising Priorities

Vice President's Fund for Excellence

From orientation through graduation, both in and out of the classroom, the Division of Student Affairs provides a framework for academic achievement, personal growth, and lifelong fulfillment.

Creativity and innovation go hand-in-hand with the ability to respond quickly to a constantly changing environment. Unrestricted funds will allow us maximum financial flexibility so that we can to take advantage of innovative ideas, unanticipated opportunities, prospects for collaboration, challenges that need attention, or crisis contingencies.

DSA Scholarships

Our commitment to students includes exposing them to new information and experiences that promote personal and professional knowledge, skills, and character development. The DSA's monetary awards based on leadership, merit, or financial need enable students to take advantage of opportunities they might not otherwise have. Examples include:

- **Student Leader Awards and Scholarships**
- **Travel and Study Abroad**
- **Conference Travel and Professional Development for Students**
- **Aspire! Awards**

Transformative Student Spaces

We provide welcoming, barrier-free, sustainable living-learning environments for our students. We are constantly evaluating our physical resources, how we currently use these assets for programs and services, and where opportunities exist to provide out-of-class learning, leadership development, academic partnerships, and research options. Examples include:

- **New Student Center**
- **Renovations to Existing Facilities**
  - Recreational Sports Fields
  - War Memorial Hall
  - Charging and Information Access Stations

Hands-on, Minds-on Programs

Virginia Tech students will form a set of affirmative values and develop the self-understanding to integrate these values into their decision-making. We inspire students to explore new endeavors and to engage in critical reflection on who they are and what they value so that they can lead and serve the greater good with others in a global community. Examples include:

- **Hokie Camp**
- **Leadership Education Collaborative**
- **Student Advocacy and Crisis Response**
- **VT Engage: The Community Learning Collaborative**
- **Women's Leadership Development**
- **Practicums, Internships, and Co-ops**

Learning Environments

The Division of Student Affairs knows that learning happens outside the classroom. We are also committed to creating places and spaces that encourage and provide opportunities for interaction and reflection. Examples include:

- **Living-Learning Communities**
- **Leadership Residential Community**
- **Transfer Student Initiative**
- **Sophomore Experience**
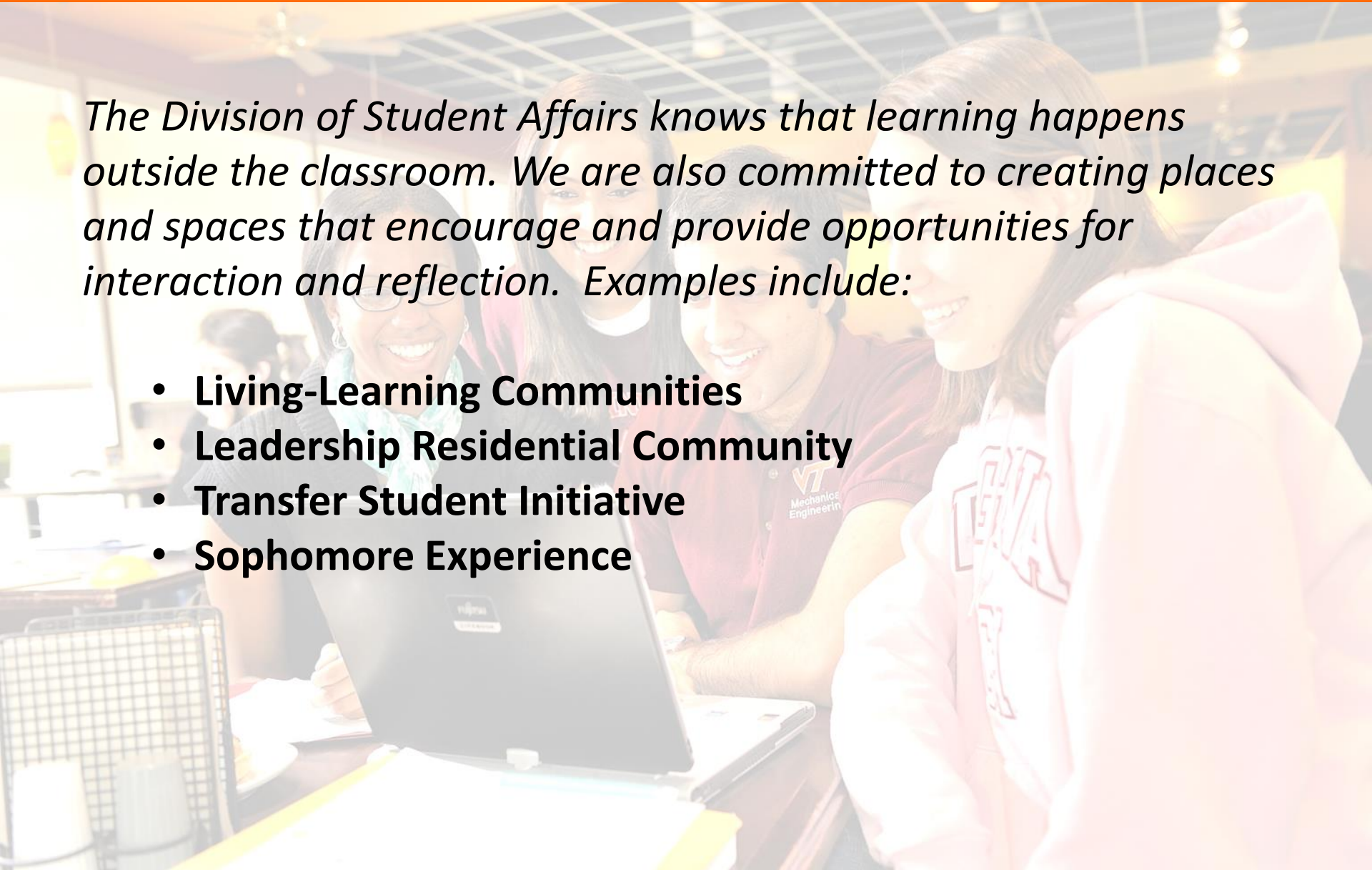
Globalization and Inclusion

The Division of Student Affairs prepares students for dynamic and diverse domestic and global environments. The collaboration of cultures, ideas, and different perspectives is an institutional asset that brings forth greater creativity, innovation, and learning. We will help students become courageous leaders who serve as change agents and make the world more humane and just. Examples include:

- **International Global Village**
- **Intergroup Dialogue (IGD) Program**

Shaping the Virginia Tech Student Experience

Division of Student Affairs

VirginiaTech.
Division of Student Affairs

Commit to unwavering **curiosity**

Pursue **self-understanding** and **integrity**

Practice **civility**

Prepare for a life of **courageous leadership**

Embrace *Ut Prosim* as a way of life

VirginiaTech
Invent the Future®

A great education is all-encompassing and endures for a lifetime.

Virtually every aspect of a student's life outside the classroom is represented through the work of the Division of Student Affairs.

We recognize that a great education takes place everywhere on campus, both inside and outside of the classroom. It's also in the choices we make every day, and it continues long after our formal schooling has concluded.

This is our commitment in the Division of Student Affairs—to complete a Virginia Tech education so students flourish. Our goal is to enable students to maximize their years at Virginia Tech and, in so doing, help them develop exceptional qualities to draw on throughout their lives.

In all we do, we don't want students to just survive; we want them to thrive. This is why we are embarking upon an ambitious fundraising initiative.

We provide an exceptional education for our students during all stages of their Virginia Tech journeys, from orientation through graduation.

In order to do this, we focus upon offering innovative new programs and services, as well as developing those we have already begun.

In the Division of Student Affairs, we support virtually every aspect of Virginia Tech students' lives.

Through our many programs and the interactions that are constantly taking place within them, we are building community, both on our campus and throughout the world.

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Shaping the Virginia Tech Student Experience

Vice President's Fund for Excellence
$1 million

The Vice President's Fund for Excellence will provide unrestricted support that allows us the flexibility to take advantage of unanticipated opportunities and develop promising ideas. In our efforts to best serve our students, we are guided by the Aspirations for Student Learning, a road map for making the Virginia Tech experience one that will prepare students for a purposeful and fulfilling life.

All five aspirations—committing to unwavering curiosity, pursuing self-understanding and integrity, practicing civility, preparing for a life of courageous leadership, and embracing the university's motto of *Ut Prosim* (That I May Serve)—connect to our mission of promoting student learning, life skills, and personal growth through a strong focus on student development and collaborative partnerships.

One way that we will use this donor-supported fund is for the Aspirations for Student Learning Symposiums—conferences at Virginia Tech which focus upon our five guiding aspirations. These conferences are open to all Virginia Tech students. They feature moderated paper presentations and discussions by members of the Virginia Tech community, allowing us to rally around the cause of strengthening education and learning.

"A student's success in college is greatly influenced by the existence of a positive environment and support system from the very beginning," said recent Aspire! Award recipient Kylie Gilbert, center. "That is one of the main reasons why I am so passionate about building community in the residence halls. Sometimes it takes as little as a meaningful conversation at an ice cream social to make a student feel welcome and give them the confidence to be open to new ideas and take risks."

Division of Student Affairs Scholarships
$4.25 million

To develop students' potential as the engaged leaders of tomorrow, we must provide them with learning opportunities today.

Scholarships have helped an increasing number of Hokies complete their education and learn valuable leadership and service-learning skills. The Division of Student Affairs administers scholarships to undergraduate students who demonstrate outstanding leadership qualities or the potential to become exceptional leaders. Additional scholarships will provide more assistance for deserving students.

Scholarships based on leadership, merit, and financial need expose students to new experiences. This promotes learning and character development. For example, we support students as they attend professional conferences around the country. There, they get a head start on their career by presenting their research, meeting leaders in their chosen field, and gaining a clear sense of how professional success is attained.

Scholarships have helped an increasing number of Hokies complete their education and learn valuable leadership and service-learning skills.

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Transformative Student Spaces
$38.25 million

In the Division of Student Affairs, we are concerned with the whole person, which is why we are constantly evaluating our physical resources, considering how to expand our offerings, and stimulating creativity and innovation for our students.

A university taskforce is studying the feasibility of a much needed new student center, to be realized in the early 2020s, and is estimated to cost $160 million. Even before that student center is built, there is much we can do to improve our existing facilities. For example, adding stations throughout campus to access information and charge mobile devices is critical for students, giving them places to plug in and connect with what's happening at Virginia Tech.

We ensure that our campus has healthy eating and exercise options, and put a strong emphasis on wellness. Virginia Tech was recently named the third-healthiest campus in America, in a measurement that took into account dining services, fitness facilities and initiatives, happiness rankings, and other categories. By modernizing our recreational sports fields and the fitness facilities in War Memorial Hall, we can help ensure that Hokies are charting a course for a lifetime of healthy habits.

Hands-on, Minds-on Programs
$6.25 million

We recognize that students' enrollment at Virginia Tech, and their engagement in the culture of our university, are important moments in their lives. For many, leaving for college is the first time they have been away from their close-knit community of family and friends.

With this in mind, we emphasize students' first-year experiences, starting before they begin their formal academic educations. Held prior to the start of classes, the annual Hokie Camp immerses students in Virginia Tech traditions and core values.

Our emphasis on student wellness was honored when we were named the third-healthiest campus in America.

Our annual Hokie Camp immerses students in Virginia Tech traditions and core values.

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Our involvement with students begins with Hokie Camp. We develop their leadership potential through the Leadership Education Collaborative. With additional support, the Collaborative will assist with the development of a road map of experiences that enable students to attain the competencies necessary for global leadership.

Additionally, we foster partnerships that improve the quality of life in our community by providing volunteer opportunies through VT Engage. We guide those who face times of difficulty through our student advocacy and crisis response. Support for these existing programs will expand their reach and allow us to create additional responsive initiatives.

Learning Environments
$20 million

At Virginia Tech, learning is not confined to classrooms and libraries; it happens everywhere.

To make the most of the education our students receive, we must create learning environments that provide frequent opportunities for interaction, creativity, and reflection.

With additional support, we will expand existing programs like our 16 living-learning communities and two residential colleges, as well as other facilities now under development. Participating students have a record of higher cumulative grade-point averages and increased interaction with faculty members. These holistic learning opportunities provide seamless environments for learning and personal growth.

We also plan to strengthen our transfer student initiative, which will build community among those who come to Virginia Tech having already begun their college journeys. A new sophomore-experience initiative will address a crucial time in students' development with programs that teach them how to cultivate and utilize their inherent strengths.

Carly Edwards was a Residential Leadership Community intern, orientation leader and assistant, Hokie Ambassador, and Hokie Camp counselor. "Those experiences helped me to meet the students and faculty who have touched my life." Carly said, "The highlight of my time at Virginia Tech has been working with other student leaders, classmates, and faculty in both academic and student affairs. It is through these interactions that I discovered my true passion and what I would like to do with the rest of my life. I ultimately want to help others grow and learn about themselves."

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Globalization and Inclusion
$10 million

Our students are preparing for lifetimes of courageous leadership.

The Division of Student Affairs prepares them for dynamic and diverse domestic and global environments. The collaboration of cultures, ideas, and different perspectives is an environment that brings forth greater creativity, innovation, and learning. Our programs inspire students to become agents of global change—people who will seek to make the world more humane and just.

We guide students on this path by engaging them through multicultural programs such as the International Street Fair and the Student Diversity Summit, and by providing them with opportunities for constructive and civil dialogue about both our differences and our shared values.

Maggie Appel-Schumacher, far left, spent her first two years at Virginia Tech living in The World, a themed housing community which fosters understanding of diverse cultures. She said, "It connected me with other students who were far from home. My roommate was Chinese. I had neighbors from Sri Lanka and Kenya. It's all about celebrating differences and at the same time coming together as Hokies."

Through these programs and the interactions that take place within them, we build community both locally and throughout the world.

A Bright Future

Just as we celebrate our students' personal development, we take pride in the accomplishments of the Division of Student Affairs.

Nevertheless, we know we must do more. We must expand our offerings and outreach if Virginia Tech is to continue to attract and retain bright and service-minded students, and if we are to remain committed to our mission of developing the leaders of tomorrow.

Private support allows Virginia Tech students to enhance what they've learned.

Private support allows students to build upon the world-class education they receive at Virginia Tech. In our increasingly competitive world, it's not enough for universities to provide a classroom education of the highest caliber; we need to offer ways for students to maximize what they've learned.

Thank you for your interest in the Division of Student Affairs and Virginia Tech.

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RESEARCH AND DEVELOPMENT DISCLOSURE REPORT								
May 16, 2014 through August 31, 2014								
Reason for Conflict	**External Entity**	**Owner**	**Principal Investigator**	**Co - P.I.'s**	**College/Dept.**	**Period of Performance**	**Award Amount**	**Project Description**
Faculty Owned Business	SphynKx Therapeutics LLC	Webster Santos	Webster Santos		Chemistry	TBD	$168,000	This Virginia Biosciences Health Research Corporation (VBHRC) award requires two Virginia universities and a small business. Virginia Tech is the lead institution and will subcontract to SphynKx and UVA. Dr. Santos will serve as VT Principal Investigator and will not work on the company portion of project. An independent person in Chemistry will oversee the subcontractors. The project involves optimization of an Inhibitor for the treatment of chronic kidney disease.
Faculty Owned Business	Cell Free Bioinnovations, Inc.	Yi Heng (Percival) Zhang	Mary Leigh Wolfe		Biological Systems Engineering	TBD	$196,026	Cell Free Bioinnovations has received a SBIR Phase II award from the National Science Foundation. Virginia Tech will receive a sub-award from Cell Free to perform work by a post doctoral student seeking to validate certain biochemical properties of the small, low-cost biomimetic cofactor,BCP. Dr. Mary Leigh Wolfe, BSE Department Head, will serve as VT PI and oversee the work of the student.

ACC *Atlantic Coast Conference*

Governing Board Certification Form
Academic Year 2014-15

As Chairman of the Governing Board at ***Virginia Polytechnic Institute & State University***, I attest that:

1) Responsibility for the administration of the athletics program has been delegated to the Chief Executive Officer of the Institution.

2) The Chief Executive Officer has the mandate and support of the board to operate a program of integrity in full compliance with NCAA, ACC and all other relevant rules and regulations.

3) The Chief Executive Officer, in consultation with the Faculty Athletics Representative and the Athletics Director, determines how the institutional vote shall be cast on issues of athletics policy presented to the NCAA and the ACC.

Date Presented to the Governing Board: _____

Signed: _____
(Chairman of the Governing Board)

Signed: _____
(CEO of Member Institution)

*Please return completed form before **October 17, 2014** to:*

Commissioner John D. Swofford
Atlantic Coast Conference
4512 Weybridge Lane
Greensboro, NC 27407

RESOLUTION OF APPRECIATION HONORING WILLIAM B. HOLTZMAN

WHEREAS, Mr. William (Bill) B. Holtzman was appointed by the Governor of Virginia to Virginia Polytechnic Institute and State University's Board of Visitors on July 1, 2010; and,

WHEREAS, Mr. Holtzman is a loyal and dedicated alumnus, and a member of the Class of 1959, having earned a Bachelor of Science degree in Horticulture; and,

WHEREAS, during his years of service on the Board of Visitors, Mr. Holtzman served as a member of the Academic Affairs Committee, the Research Committee, and the Buildings and Grounds Committee; and,

WHEREAS, Mr. Holtzman has exhibited his commitment to the development and future of Virginia Tech, demonstrated by his service as a member of the Foundation Board, the Alumni Association Board, and the National Campaign Steering Committee; and,

WHEREAS, Bill Holtzman, and his wife, Ann, have been recognized as members of the President's Circle of the Ut Prosim Society, the university's most prestigious donor recognition society, for their outstanding philanthropy to the university to include support for the Corps of Cadets, the Virginia Center for Civil War Studies, the President's Discovery Fund, and the Holtzman Alumni Center, which was named in his honor; and

WHEREAS, the members of the Board have thoroughly enjoyed getting to know Bill and his wife, Ann, and have valued their company at Board meetings, football games, and other university events;

NOW, THEREFORE, BE IT RESOLVED, that the members of the Board of Visitors of Virginia Polytechnic Institute and State University do hereby extend their sincere appreciation to William B. Holtzman for his outstanding loyalty and devoted service, and for his faithful dedication to the university and its missions.

RECOMMENDATION:

That the above resolution recognizing William B. Holtzman for his service as a member of the Board of Visitors be approved.

September 15, 2014

RESOLUTION OF APPRECIATION HONORING SUZANNE S. OBENSHAIN

WHEREAS, Ms. Suzanne S. Obenshain was appointed by the Governor of Virginia to Virginia Polytechnic Institute and State University's Board of Visitors on July 1, 2010; and,

WHEREAS, Ms. Obenshain is a loyal and dedicated alumna, and a member of the Class of 1984, having earned a Bachelor of Arts degree in History; and,

WHEREAS, during her years of service on the Board of Visitors, Ms. Obenshain served as the Chair and a member of the Academic Affairs Committee, and as a member of the Executive Committee, and the Student Affairs and Athletics Committee; and,

WHEREAS, Ms. Obenshain has numerous family members who are Virginia Tech alumni, including her husband, The Honorable Mark D. Obenshain, who currently serves as Senator in the 26th District of Virginia; and,

WHEREAS, Suzanne Obenshain is very active in her community of Harrisonburg, Virginia, having served on the Commonwealth Council on Aging, the Valley Program for Aging Board, and as a founding Board member of Generations Crossing, an intergenerational adult and childcare facility, where she served as co-chair of the Generations Crossing Capital Campaign in 2007, personally raising over one million dollars for that organization; and

WHEREAS, the members of the Board have thoroughly enjoyed getting to know Suzanne and her husband, Mark, and have valued their company at Board meetings, football games, and other university events;

NOW, THEREFORE, BE IT RESOLVED, that the members of the Board of Visitors of Virginia Polytechnic Institute and State University do hereby extend their sincere appreciation to Suzanne B. Obenshain for her outstanding loyalty and devoted service, and for her faithful dedication to the university and its missions.

RECOMMENDATION:

That the above resolution recognizing Suzanne B. Obenshain for her service as a member of the Board of Visitors be approved.

September 15, 2014

RESOLUTION OF APPRECIATION HONORING JOHN G. ROCOVICH, JR.

WHEREAS, Mr. John G. Rocovich, Jr. was first appointed by Governor George Allen to Virginia Polytechnic Institute and State University's Board of Visitors on July 1, 1997 and was reappointed by Governor Jim Gilmore. Most recently, he was appointed by Governor Bob McDonnell to the Board for a third four-year term on July 1, 2010; and,

WHEREAS, Mr. Rocovich is a loyal and dedicated alumnus, and a member of the Class of 1966, having earned a Bachelor of Science degree in Business; and,

WHEREAS, Mr. Rocovich was elected to serve as Rector of the Board from 2002 to 2004, and during his most recent term on the Board of Visitors, he served as the Chair and a member of the Buildings and Grounds Committee, and as a member of the Research Committee and the Executive Committee; and,

WHEREAS, Mr. Rocovich has exhibited his commitment to the development and future of Virginia Tech, demonstrated additionally by his service as Director and President of both the Virginia Tech Foundation and the Virginia Tech Alumni Association, and as a member of Hokies for Higher Education, the Engineering Committee of 100, and the National Campaign Steering Committee for the Campaign for Virginia Tech; and,

WHEREAS, Mr. Rocovich has the unique distinction of having served on the Board of Visitors during the searches for the 15th and 16th presidents of the university; and,

WHEREAS, Mr. Rocovich has numerous family members who are Virginia Tech alumni; and,

WHEREAS, John Rocovich, and his wife, Sue Ellen, have further dedicated themselves as consistent and significant philanthropic leaders to their alma mater, recognized through their membership in the Ut Prosim and Legacy Societies; and,

WHEREAS, the members of the Board have thoroughly enjoyed getting to know John and his wife, Sue Ellen, and have valued their company at Board meetings, football games, and other university events;

NOW, THEREFORE, BE IT RESOLVED, that the members of the Board of Visitors of Virginia Polytechnic Institute and State University do hereby extend their sincere appreciation to John G. Rocovich for his outstanding loyalty and devoted service, and for his faithful dedication to the university and its missions for more than four decades.

RECOMMENDATION:

That the above resolution recognizing John G. Rocovich for his service as a member of the Board of Visitors be approved.

September 15, 2014

RESOLUTION ON NAMING THE FOOTBALL PLAYERS' LOUNGE IN THE NEW FOOTBALL PRACTICE FACILITY FOR THE JEFFREY E. VEATCH '93 FAMILY

WHEREAS, Jeffrey E. Veatch is a proud alumnus of Virginia Polytechnic Institute and State University, Class of 1993; and,

WHEREAS, Jeff Veatch has been an enthusiastic and loyal supporter of Virginia Tech and its athletics program; and,

WHEREAS, Jeff Veatch has been a faithful member of the Virginia Tech Athletic Fund; and,

WHEREAS, Jeff Veatch is an Ut Prosim and Hokie Club Benefactor; and,

WHEREAS, Jeff Veatch contributed over $100,000 to the Campaign for Virginia Tech: Invent the Future on behalf of the Department of Athletics; and,

WHEREAS, Jeff Veatch has contributed over $175,000 in support of the football program on behalf of Virginia Tech Athletics; and,

WHEREAS, Jeff Veatch has pledged $500,000 to Virginia Tech Athletics as the requirement for naming the Football Players' Lounge; and,

WHEREAS, Jeff Veatch wants to set an example and demonstrate for his children, Lindsey, Tyler and Sydney Veatch, the importance of philanthropic support and the impact it can have on the lives of others;

NOW, THEREFORE, BE IT RESOLVED that in appreciation to Jeff Veatch for his generosity towards Virginia Tech and the Department of Athletics, that the Football Players' Lounge be known henceforth as The Veatch Family Football Players' Lounge.

RECOMMENDATION:

That the resolution naming the Veatch Family Football Players' Lounge be approved.

September 15, 2014

RESOLUTION ON NAMING THE CORPS OF CADETS DORMITORY (REPLACING THE FORMER RASCHE HALL) ON THE CAMPUS OF VIRGNIA TECH FOR JAMES A. "J." PEARSON '87 AND RENAE C. PEARSON '90

WHEREAS, James Ashley "J." Pearson II graduated from Virginia Tech in 1987 with a Bachelor of Science degree in Agricultural and Applied Economics and was a member of the Virginia Tech Corps of Cadets; and

WHEREAS, Renae Collier Pearson graduated from Virginia Tech in 1990 with a degree in Family and Child Development was a member of the Virginia Tech Corps of Cadets; and

WHEREAS, J. and Renae Pearson have had successful and respected careers in business; and

WHEREAS, J. Pearson, with the participation and full support of Renae Pearson, has had an extensive volunteer career with the university to include service as a member of the Virginia Tech Foundation Board of Directors and its Audit Committee, the Corps of Cadets Alumni Board, the Corps of Cadets Campaign Steering Committee known as the Gold Cord Committee, and the Atlanta Regional Campaign Committee in the *Campaign for Virginia Tech: Invent the Future*; and

WHEREAS, J. Pearson is chairing the steering committee guiding the effort to raise necessary private funding for the future Corps Leadership and Military Science Building; and

WHEREAS, J. and Renae Pearson have been recognized as members of the Ut Prosim Society for their outstanding philanthropy to the university to include considerable support to the Virginia Tech Corps of Cadets; and

WHEREAS, J. and Renae Pearson have also made generous contributions to the College of Agriculture and Life Sciences and Virginia Tech Athletics; and

WHEREAS, J. and Renae Pearson have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED, that in acknowledgement of the service and generosity of J. and Renae Pearson, and in recognition of past and future benefits to the university, the dormitory building that will house members of the Virginia Tech Corps of Cadets, and replace the former Rasche Hall, will be known as **Pearson Hall**.

RECOMMENDATION:

That the above resolution naming Pearson Hall be approved.

September 15, 2014

RESOLUTION ON NAMING THE SIGNATURE ENGINEERING BUILDING AT VIRGINIA TECH FOR WILLIAM H. AND ALICE T. GOODWIN

WHEREAS, Mr. William H. Goodwin, Jr. graduated from Virginia Tech in 1962 with a B.S. in Mechanical Engineering and from the University of Virginia's Darden School of Business in 1966 with an M.B.A.; and

WHEREAS, Mr. Goodwin has been deemed a top business leader, standing at the helm of CCA Industries, Inc., a holding company that includes several hospitality ventures including the iconic Jefferson Hotel in Richmond, Virginia, and the Sanctuary Resort in Kiawah Island, South Carolina; and

WHEREAS, Bill Goodwin received the University Distinguished Achievement Award in 2005, one of Virginia Tech's two highest honors; and

WHEREAS, Bill and his wife, Mrs. Alice T. Goodwin, have shared their time, talent, expertise, business acumen, leadership and resources to benefit countless non-profit organizations and educational institutions, including Virginia Tech, the University of Virginia, the Steward School Foundation, Virginia Commonwealth University, the Science Museum of Virginia, and the Medical College of Virginia, among many others; and

WHEREAS, Bill and Alice Goodwin continually seek ways to improve the human condition through service and philanthropy by their support of human health and cancer research, children's welfare initiatives, and educational opportunities and access, always exemplifying the university's motto of *Ut Prosim*, "That I May Serve"; and

WHEREAS, the Goodwins' support for Virginia Tech has helped the university create the most enviable, state-of-the-art engineering facility and multi-purpose teaching and learning space in the Commonwealth of Virginia for the university's students and faculty; and

WHEREAS, Bill and Alice Goodwin have been recognized as charter members of the President's Circle of the Ut Prosim Society, the university's most prestigious donor recognition society, and continue to be valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in recognition of a tremendous vision being realized, the Signature Engineering Building on the campus of Virginia Tech be henceforth known proudly as William H. Goodwin, Jr. '62 and Alice T. Goodwin Hall.

RECOMMENDATION:

That the resolution naming Goodwin Hall be approved.

September 15, 2014

Signature Engineering Building Naming Recommendations For BOV - CONFIDENTIAL

Dr. H. Pat and Nancy Artis   SEB First Floor Classroom (Room 115)
"The Nancy and H. Pat Artis '71 Classroom"

Kelso S. and Vera Baker   SEB Faculty Office (Room 413E)
"Vera M. and Kelso S. Baker '51 Faculty Office"

W.E. Betts, Jr. Memorial Fund   SEB Mech. Engineering Lab (Room 130)
"William E. Betts Jr. '32 Mechanical Engineering Lab"

Scott D. Brigham   SEB Faculty Office (Room 337)
"Kathryn M. and Scott D. Brigham '81 Faculty Office"

Fred and Paula Brothers   SEB Conference Room (Room 285)
"Paula S. and John A. Brothers '62 Conference Room"

The Estate of William A. Cox Jr.   SEB Faculty Office (Room 459)
"Col William A. Cox Jr. '34 Faculty Office"

David and Sue D'Antoni   SEB Chemical Engineering Conference (Room 261)
"Sue A. and David J. D'Antoni '67 Chemical Engineering Conference Room"

Thomas and Lana Digges   SEB Faculty Office (Room 333)
"Lana I. and Thomas G. Digges, Jr. '60 Faculty Office"

William and Sarah Epperly   SEB Asst. DH office (Room 251)
"Sarah O. Epperly '57 and W. Robert Epperly '56 Assistant Department Head Office "

Royden Goodson   SEB First Floor Classroom (Room 125)
"The Martha and Royden Goodson III '77 Classroom"

Ngoc and Amanda Hoang   SEB Second Floor Classroom (Room 244)
"Amanda L. Hoang '87 and Ngoc T. Hoang '84 Classroom"

Conor D. and Laura R. Johnson   Mechanical Engineering Faculty Office (Room 467)
"Laura R. and Conor D. Johnson '65 Faculty Office"

Marvin and Susan Johnson   SEB Chemical Engineering Grad Study (Room 385)
"Susan A. and Marvin L. Johnson '64 Chemical Engineering Graduate Study Room"

The Estate of Alfred I. Jones   SEB Chemical Engineering Lab (Room 294)
"Edith and Alfred I. Jones Jr. '56 Chemical Engineering Lab"

William D. and Christa Kilgore   SEB Conference Room (Room 361)
"Christa S. and William D. Kilgore Jr. '57 Conference Room"

Robert and Catherine Luckner   SEB Chemical Engineering Conference Room (Room 289)
"Catherine E. and Robert C. Luckner '68 Chemical Engineering Conference Room"

Larry and Jo Ann Marshall   SEB Faculty Office (Room 437)
"Jo Ann C. and Larry R. Marshall '66 Faculty Office"

Signature Engineering Building Naming Recommendations For BOV - CONFIDENTIAL

Art and Jerry McKinney   SEB Conference (Room 341)
"Jerry S. and Arthur W. McKinney, Sr. '65 Conference Room"

Newport News Shipbuilding   AOE Engineering Lab
"Newport News Shipbuilding Aerospace and Ocean Engineering Lab"

William and Donna Ordemann   SEB Faculty Office (Room 239)
"Donna C. and William D. Ordemann '81 Faculty Office "

David and Peggy Oshinski   SEB Faculty Office (Room 237)
"Peggy A. and David J. Oshinski '81 Faculty Office"

Charles and Mary Jane Pryor   SEB Faculty Office (Room 453)
"Mary Jane and Charles W. Pryor, Jr. '66 Faculty Office"

Michael J. Quillen and Family   SEB Main Auditorium (Room 190)
"The Quillen Family Auditorium"

The Estate of Steven D. Reese   SEB Chemical Engineering Lab (Room 292)
"Steven D. Reese '95 Chemical Engineering Lab"

Benjamin and Joyce Rolston   SEB Chemical Engineering Dept. Head Office (Room 249)
"Joyce M. and B. Fielding Rolston '63 Chemical Engineering Department Head Office"

Adam and Laila Rossi   SEB First Floor Classroom (Room 155)
"Laila N. and Adam C. Rossi '95 Classroom"

James Rule and Jeanne Welch   SEB Mech. Eng. Dept. Head Office (Room 449)
"Jeanne M. Welch and James A. Rule, Jr. '75 Mechanical Engineering Department Head Office"

The Estate of John and Peggy Scruggs Mech. Eng. Lab (Room332)
"Margaret and John M. Scruggs '50 Mechanical Engineering Lab"

William C. Scruggs   Mech. Eng. Lab (Room 306)
"Cornelia W. and William C. Scruggs '60 Mechanical Engineering Lab"

Patrick and Patricia Shaffner   SEB Faculty Office (Room 329)
"Patricia A. and Patrick N. Shaffner '61 Faculty Office"

Kirk and Leila Spitzer   SEB Faculty Office (Room 457)
"Leila and Kirk E. Spitzer '67 Faculty Office"

William F. St. John   SEB Faculty Office (Room 353)
"Santina and W. Frederick St. John '73 Faculty Office"

James A. and Phyllis K. Syme   Mechanical Engineering Conference (Room 444)
"Phyllis K. Syme '82 and James A. Syme '83 Mechanical Engineering Conference Room"

Nathan H. Turbeville   SEB Faculty Office (Room 435)
"Judith H. and Nathan H. Turbeville, Jr. '61 Faculty Office"

Jack and Alex Urquhart   SEB First Floor Classroom (Room 135)
"J.A. Urquhart '49 and J. Alex Urquhart '81 Classroom"

RESOLUTION ON NAMING CLASSROOM 115 IN THE SIGNATURE ENGINEERING BUILDING FOR NANCY AND H. PAT ARTIS '71

WHEREAS, Dr. H. Pat Artis graduated from Virginia Tech in 1971 with a Bachelor of Science degree in Engineering Mechanics; and

WHEREAS, H. Pat Artis has had a successful and respected career in the computer science industry and, with the participation and full support of his wife, Nancy Artis, an extensive volunteer career to include service as a member of the Aerospace and Ocean Engineering Advisory Board, the VTCC Area Team Leaders Committee, the 40th Reunion Committee, College of Engineering Campaign Steering Committee for the Campaign for Virginia Tech: *Invent the Future*, the School of Biomedical Engineering Advisory Board, the Engineering Advisory Committee, the Engineering Science and Mechanics Advisory Board, the Engineering Education Advisory Board, the Engineering Committee of 100, and the Academy of Engineering Excellence; and

WHEREAS, Pat and Nancy Artis have been recognized as Senior Benefactors of the Ut Prosim Society and members of the Legacy Society for their philanthropy to the university to include support for the Artis Lecturers, Department of Civil and Environmental Engineering, ESM Performance Associated Faculty Fellows Program, Aerospace and Ocean Engineering Department, and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Pat and Nancy Artis have also made generous contributions to the VTCC Barqawi '09 Artis '71 Scholarship, the VTCC Matthew La Porte Memorial Scholarship, the Corps of Cadets Commandant's Priorities fund, the VTCC Maj Gen Jerrold P. Allen Fund for Leadership Development, and the Alumni Annual Fund; and

WHEREAS, Pat and Nancy Artis have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Pat and Nancy Artis and in recognition of past and future benefits to the university, the First Floor Classroom 115 of the Signature Engineering Building, will be known as the Nancy and H. Pat Artis '71 Classroom.

RECOMMENDATION:

That the resolution naming the Nancy and H. Pat Artis '71 Classroom be approved.

September 15, 2014

RESOLUTION ON NAMING FACULTY OFFICE 413E IN THE SIGNATURE ENGINEERING BUILDING FOR VERA M. AND KELSO S. BAKER '51

WHEREAS, Kelso S. Baker graduated from Virginia Tech in 1951 with a Bachelor of Science degree in Civil Engineering; and

WHEREAS, Kelso S. Baker has had a successful and respected career in business and with the participation and full support of his wife, Vera M. Baker, an extensive volunteer career to include service as a member of the Civil Engineering Advisory Board, Engineering Committee of 100, and the Academy of Engineering Excellence; and

WHEREAS, Kelso and Vera Baker have been recognized as members of the Ut Prosim Society for their philanthropy to the university to include support for the Kelso S. Baker Endowed Scholarship, the CEE Alumni Board Scholarship, the Kelso Baker Environmental Hydraulics Lab and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Kelso and Vera Baker have also made generous contributions to the Fieldhouse project, the Football Locker Room project, the Merryman Center, Jamerson/Cassell Renovation project and the Alumni Annual Fund; and

WHEREAS, Kelso and Vera Baker have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Kelso and Vera Baker and in recognition of past and future benefits to the university, the Faculty Office Room 413E of the Signature Engineering Building, will be known as the Vera M. and Kelso S. Baker '51 Faculty Office.

RECOMMENDATION:

That the resolution naming the Vera M. and Kelso S. Baker '51 Faculty Office be approved.

September 15, 2014

RESOLUTION ON NAMING THE MECHANICAL ENGINEERING LAB (ROOM 130) IN THE SIGNATURE ENGINEERING BUILDING FOR WILLIAM E. BETTS, JR. '32

WHEREAS, the late William E. Betts, Jr. graduated from Virginia Tech in 1932 with a Bachelor of Science degree in Architecture Engineering, and in 1933 with a Master of Science degree in Architecture Engineering; and

WHEREAS, William E. Betts, Jr. had a successful and respected career in the military and business and an extensive volunteer career to include service as a member of the Engineering Committee of 100, the Alumni Association Board, the Virginia Tech Foundation Board, the President's Council Membership Committee, and the Academy of Engineering Excellence; and

WHEREAS, Ping Betts had been recognized as a member of the Ut Prosim Society for his philanthropy to the university to include support to the William E. Betts, Jr. Professorship, the Department of Civil and Environmental Engineering, the Civil and Environmental Engineering Laboratory Renovation project, and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Ping Betts had also made generous contributions to the College of Architecture and Urban Studies, Athletics, the WVTF Radio Station, the German Club Alumni fund, and Alumni Association Programs; and

WHEREAS, Ping Betts was a valued member of the university community, being recognized with the William H. Ruffner Medal in 2005, the university's highest honor;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Ping Betts and in recognition of past and future benefits to the university, the mechanical engineering lab 130 of the Signature Engineering Building, will be known as the William E. Betts Jr. '32 Mechanical Engineering Lab.

RECOMMENDATION:

That the resolution naming the William E. Betts Jr. '32 Mechanical Engineering Lab be approved.

September 15, 2014

RESOLUTION ON NAMING FACULTY OFFICE ROOM 337 IN THE SIGNATURE ENGINEERING BUILDING FOR KATHRYN M. AND SCOTT D. BRIGHAM '81

WHEREAS, Scott D. Brigham graduated from Virginia Tech in 1981 with a Bachelor of Science degree in Electrical Engineering; and

WHEREAS, Scott D. Brigham has had a successful and respected career in information technology and with the participation and full support of his wife, Kathryn M. Brigham, an extensive volunteer career to include service as a member of the Dallas Regional Committee for the Campaign for Virginia Tech: *Invent the Future*, the Engineering Committee of 100, and the CEED Industrial Engineering Advisory Committee; and

WHEREAS, Scott and Kathryn Brigham have been recognized as members of the Ut Prosim Society for their philanthropy to the university to include support to the College of Engineering and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Scott and Kathryn Brigham have also made generous contributions to Alumni Association Programs and the Alumni Annual Fund; and

WHEREAS, Scott and Kathryn Brigham have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Scott and Kathryn Brigham and in recognition of past and future benefits to the university, the Faculty Office Room 337 of the Signature Engineering Building, will be known as the Kathryn M. and Scott D. Brigham '81 Faculty Office.

RECOMMENDATION:

That the resolution naming the Kathryn M. and Scott D. Brigham '81 Faculty Office be approved.

September 15, 2014

RESOLUTION ON NAMING CONFERENCE ROOM 285 IN THE SIGNATURE ENGINEERING BUILDING FOR PAULA S. AND JOHN A. BROTHERS '62

WHEREAS, the late Dr. John Alfred Brothers graduated from Virginia Tech in 1962 with a Bachelor of Science degree in Chemical Engineering, and in 1966 with a Master of Science degree in Chemical Engineering, and in 1968 with a Ph.D. in Materials Engineering Science; and

WHEREAS, Dr. John A. Brothers had a successful and respected career in industry and education and with the participation and full support of his wife, Paula S. Brothers, an extensive volunteer career to include service as a member of the College of Engineering Campaign Committee for the Campaign for Virginia Tech: *Invent the Future*, the Engineering Committee of 100, and the Academy of Engineering Excellence; and

WHEREAS, Fred and Paula Brothers have been recognized as members of the Ut Prosim Society and the Legacy Society for their philanthropy to the university to include support to the Chemical Engineering Department, the College of Engineering and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Fred and Paula Brothers have also made generous contributions to the Hokie Spirit Memorial Fund, the Class of '62 Corps of Cadets Endowed Scholarship, and the Alumni Annual Fund; and

WHEREAS, Fred Brothers was a valued member of the university community, and Paula Brothers continues to be a valued member of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Fred and Paula Brothers and in recognition of past and future benefits to the university, Conference Room 285 of the Signature Engineering Building, will be known as the Paula S. and John A. Brothers '62 Conference Room.

RECOMMENDATION:

That the resolution naming the Paula S. and John A. Brothers '62 Conference Room be approved.

September 15, 2014

RESOLUTION ON NAMING FACULTY OFFICE ROOM 459 IN THE SIGNATURE ENGINEERING BUILDING FOR COLONEL WILLIAM A. COX, JR. '34

WHEREAS, the late Col William A. Cox, Jr. graduated from Virginia Tech in 1934 with a Bachelor of Science degree in Mechanical Engineering; and

WHEREAS, Col William A. Cox, Jr. had a successful and respected career in the military and industry and an extensive volunteer career to include service as a member of the Engineering Committee of 100, and the Academy of Engineering Excellence; and

WHEREAS, Bill Cox had been recognized as a member of the Pylon Society for his philanthropy to the university to include support to the College of Engineering, the Department of Mechanical Engineering, and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Bill Cox also made generous contributions to the Corps of Cadets Commandant's Priorities fund, Athletics, the VTCCA Museum, the VTCCA Class of '34 Endowment, and Alumni Association Programs; and

WHEREAS, Bill Cox was a valued member of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Bill Cox and in recognition of past and future benefits to the university, the Faculty Office Room 459 of the Signature Engineering Building, will be known as the Col William A. Cox Jr. '34 Faculty Office.

RECOMMENDATION:

That the resolution naming the Col William A. Cox Jr. '34 Faculty Office be approved.

September 15, 2014

RESOLUTION ON NAMING CHEMICAL ENGINEERING CONFERENCE ROOM 261
IN THE SIGNATURE ENGINEERING BUILDING FOR
SUE A. AND DAVID J. D'ANTONI '67

WHEREAS, David J. D'Antoni graduated from Virginia Tech in 1967 with a Bachelor of Science degree in Chemical Engineering; and

WHEREAS, David J. D'Antoni had a successful and respected career in industry and with the participation and full support of his wife, Sue A. D'Antoni, an extensive volunteer career to include service as an honorary member of the College of Engineering Campaign Committee for the Campaign for Virginia Tech: *Invent the Future*, and as a member of the Engineering Committee of 100, and the Academy of Engineering Excellence; and

WHEREAS, Dave and Sue D'Antoni have been recognized as members of the Ut Prosim Society for their philanthropy to the university to include support for the Chemical Engineering Department, the College of Engineering and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Dave and Sue D'Antoni have also made generous contributions to the Hokie Spirit Memorial Fund, the G. H. Beyer Scholarship, and the Alumni Annual Fund; and

WHEREAS, Dave and Sue D'Antoni have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Dave and Sue D'Antoni and in recognition of past and future benefits to the university, Chemical Engineering Conference Room 261 of the Signature Engineering Building, will be known as the Sue A. and David J. D'Antoni '67 Chemical Engineering Conference Room.

RECOMMENDATION:

That the resolution naming the Sue A. and David J. D'Antoni '67 Chemical Engineering Conference Room be approved.

September 15, 2014

RESOLUTION ON NAMING FACULTY OFFICE (ROOM 333) IN THE SIGNATURE ENGINEERING BUILDING FOR LANA I. AND THOMAS G. DIGGES, JR. '60

WHEREAS, Dr. Thomas G. Digges, Jr. graduated from Virginia Tech in 1960 with a Bachelor of Science degree in Metallurgical Engineering; and

WHEREAS, Thomas G. Digges, Jr. has had a successful and respected career in business and with the participation and full support of his wife, Lana I. Digges, an extensive volunteer career to include service as a member of the Richmond Regional Committee for the Campaign for Virginia Tech: *Invent the Future,* Materials Systems Engineering Advisory Board, Engineering Committee of 100, and the Academy of Engineering Excellence; and

WHEREAS, Tom and Lana Digges have been recognized as members of the Ut Prosim Society for their philanthropy to the university to include support for the College of Engineering and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Tom and Lana Digges have also made generous contributions to the Dorothy Hottel Digges Professorship in Entrepreneurship and the Alumni Annual Fund; and

WHEREAS, Tom and Lana Digges have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Tom and Lana Digges and in recognition of past and future benefits to the university, the Faculty Office Room 333 of the Signature Engineering Building, will be known as the Lana I. and Thomas G. Digges, Jr. '60 Faculty Office.

RECOMMENDATION:

That the resolution naming the Lana I. and Thomas G. Digges, Jr. '60 Faculty Office be approved.

September 15, 2014

**RESOLUTION ON NAMING ASSISTANT DEPARTMENT HEAD OFFICE (ROOM 251)
IN THE SIGNATURE ENGINEERING BUILDING FOR
SARAH O. EPPERLY '57 AND W. ROBERT EPPERLY '56**

WHEREAS, W. Robert Epperly graduated from Virginia Tech in 1956 with a Bachelor of Science degree in Chemical Engineering, and in 1958 with a Master of Science degree in Chemical Engineering; and

WHEREAS, Sarah O. Epperly graduated from Virginia Tech in 1957 with a Bachelor of Science degree in General Home Economics; and

WHEREAS, W. Robert Epperly and Sarah O. Epperly have had successful and respected careers in industry and human services; and

WHEREAS, Bob Epperly has had an extensive volunteer career to include service as a member of the Engineering Committee of 100, and the Academy of Engineering Excellence; and

WHEREAS, Bob and Sarah Epperly have been recognized as members of the Ut Prosim Society and the Legacy Society for their philanthropy to the university to include support for the College of Engineering and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Bob and Sarah Epperly have also made generous contributions to the College of Liberal Arts and Human Sciences, the Class of 1956 Ut Prosim Honors Scholarship, the Adult Day Care Center, and the Alumni Annual Fund; and

WHEREAS, Bob and Sarah Epperly have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Bob and Sarah Epperly and in recognition of past and future benefits to the university, the Assistant Department Head Office 251 of the Signature Engineering Building, will be known as the Sarah O. Epperly '57 and W. Robert Epperly '56 Assistant Department Head Office.

RECOMMENDATION:

That the resolution naming the Sarah O. Epperly '57 and W. Robert Epperly '56 Assistant Department Head Office be approved.

September 15, 2014

RESOLUTION ON NAMING FIRST FLOOR CLASSROOM 125 IN THE SIGNATURE ENGINEERING BUILDING FOR MARTHA AND ROYDEN GOODSON III '77

WHEREAS, Royden Goodson III graduated from Virginia Tech in 1977 with a Bachelor of Science degree in Civil Engineering; and

WHEREAS, Royden Goodson III has had a successful and respected career in industry and with the participation and full support of his wife, Martha W. Goodson, an extensive volunteer career to include service as a member of the Mechanical Engineering Advisory Board, and the President's Council Membership Committee; and

WHEREAS, Royden and Martha Goodson have been recognized as members of the Ut Prosim Society for their philanthropy to the university to include support for the College of Engineering, the Department of Civil and Environmental Engineering, the Garst/Walker Scholarship, and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Royden and Martha Goodson have also made generous contributions to Athletics, and the Alumni Annual Fund; and

WHEREAS, Royden and Martha Goodson have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Royden and Martha Goodson and in recognition of past and future benefits to the university, First Floor Classroom 125 of the Signature Engineering Building, will be known as the Martha and Royden Goodson III '77 Classroom.

RECOMMENDATION:

That the resolution naming the Martha and Royden Goodson III '77 Classroom be approved.

September 15, 2014

RESOLUTION ON NAMING SECOND FLOOR CLASSROOM 244 IN THE SIGNATURE ENGINEERING BUILDING FOR AMANDA L. HOANG '87 AND NGOC T. HOANG '84

WHEREAS, Dr. Ngoc T. Hoang graduated from Virginia Tech in 1984 with a Bachelor of Science degree in Mechanical Engineering, in 1989 with a Master of Science degree in Engineering Mechanics, and in 1992 with a Ph.D. in Engineering Mechanics; and

WHEREAS, Amanda L. Hoang graduated from Virginia Tech in 1987 with a Bachelor of Science degree in Finance; and

WHEREAS, Ngoc T. Hoang and Amanda L. Hoang have had successful and respected careers in research and finance; and

WHEREAS, Ngoc and Amanda Hoang will be recognized as members of the Ut Prosim Society for their philanthropy to the university with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Ngoc and Amanda Hoang have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Ngoc and Amanda Hoang and in recognition of past and future benefits to the university, Second Floor Classroom 244 of the Signature Engineering Building, will be known as the Amanda L. Hoang '87 and Ngoc T. Hoang '84 Classroom.

RECOMMENDATION:

That the resolution naming the Amanda L. Hoang '87 and Ngoc T. Hoang '84 Classroom be approved.

September 15, 2014

**RESOLUTION ON NAMING MECHANICAL ENGINEERING FACULTY OFFICE
(ROOM 467) IN THE SIGNATURE ENGINEERING BUILDING FOR
LAURA R. AND CONOR D. JOHNSON '65**

WHEREAS, Conor D. Johnson graduated from Virginia Tech in 1965 with a Bachelor of Science degree in Engineering Mechanics; and

WHEREAS, Conor D. Johnson has had a successful and respected career in the engineering industry, and with full support and participation from his wife, Laura R. Johnson, an extensive volunteer career to include service as a member of the Engineering Science and Mechanics Advisory Board; and

WHEREAS, Conor and Laura Johnson have been recognized as members of the Caldwell Society for their philanthropy to the university to include support for the College of Engineering with the Professor C. William and Doris Smith Engineering Scholarship, and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Conor and Laura Johnson have also made generous contributions to the Virginia Tech Corps of Cadets Commandant's Priorities Fund, the VTCCA Class of '65 Endowed Scholarship, and the Alumni Annual Fund; and

WHEREAS, Conor and Laura Johnson have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Conor and Laura Johnson and in recognition of past and future benefits to the university, the Mechanical Engineering Faculty Office Room 467, will be known as the Laura R. and Conor D. Johnson '65 Mechanical Engineering Faculty Office.

RECOMMENDATION:

That the resolution naming the Laura R. and Conor D. Johnson '65 Mechanical Engineering Faculty Office be approved.

September 15, 2014

RESOLUTION ON NAMING CHEMICAL ENGINEERING GRADUATE STUDY ROOM 385 IN THE SIGNATURE ENGINEERING BUILDING FOR SUSAN A. AND MARVIN L. JOHNSON '64

WHEREAS, Marvin L. Johnson graduated from Virginia Tech in 1964 with a Bachelor of Science degree in Electrical Engineering; and

WHEREAS, Marvin L. Johnson has had a successful and respected career in industry and with the participation and full support of his wife, Susan A. Johnson, an extensive volunteer career to include service as a member of the Electrical and Computer Engineering Advisory Board, Engineering Committee of 100, and the Academy of Engineering Excellence; and

WHEREAS, Marvin and Susan Johnson have been recognized as members of the President's Circle of the Ut Prosim Society for their philanthropy to the university to include support for the Marvin L. and Susan A. Johnson Ware Lab, the College of Engineering, the Marvin and Susan Johnson Graduate Fellowship, and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Marvin and Susan Johnson have also made generous contributions to the Class of '64 Scholarship, and the Alumni Annual Fund; and

WHEREAS, Marvin and Susan Johnson have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Marvin and Susan Johnson and in recognition of past and future benefits to the university, Chemical Engineering Graduate Study Room 385 of the Signature Engineering Building, will be known as the Susan A. and Marvin L. Johnson '64 Chemical Engineering Graduate Study Room.

RECOMMENDATION:

That the resolution naming the Susan A. and Marvin L. Johnson '64 Chemical Engineering Graduate Study Room be approved.

September 15, 2014

RESOLUTION ON NAMING CHEMICAL ENGINEERING LAB (ROOM 294) IN THE SIGNATURE ENGINEERING BUILDING FOR EDITH AND ALFRED I. JONES, JR. '56

WHEREAS, the late Alfred I. Jones, Jr. graduated from Virginia Tech in 1956 with a Bachelor of Science degree in Electrical Engineering; and

WHEREAS, Alfred I. Jones, Jr., with the full support of his wife, Edith Jones, had a successful and respected career in the energy field; and

WHEREAS, Al Jones had been recognized as a member of the Pylon Society for his philanthropy to the university, and Edith Jones has been recognized as a member of the President's Circle of the Ut Prosim Society for their philanthropy, to include support to the Electrical and Computer Engineering Department and with considerable support provided from his estate to the College of Engineering Signature Building Fund; and

WHEREAS, Al and Edith Jones had also made generous contributions to the A. I. Jones Scholarship, the President's Discovery Fund, the Class of '56 Reunion Fund, the Tideneck Alumni Chapter, and the Alumni Annual Fund; and

WHEREAS, Al Jones was a valued member of the university community, and Edith Jones continues to be a valued member of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Al and Edith Jones and in recognition of past and future benefits to the university, Chemical Engineering Lab 294 of the Signature Engineering Building, will be known as the Edith and Alfred I. Jones Jr. '56 Chemical Engineering Lab.

RECOMMENDATION:

That the resolution naming the Edith and Alfred I. Jones Jr. '56 Chemical Engineering Lab be approved.

September 15, 2014

RESOLUTION ON NAMING CONFERENCE ROOM 361 IN THE SIGNATURE ENGINEERING BUILDING FOR CHRISTA S. AND WILLIAM D. KILGORE, JR. '57

WHEREAS, William D. Kilgore, Jr. graduated from Virginia Tech in 1957 with a Bachelor of Science degree in Mining Engineering; and

WHEREAS, William D. Kilgore, Jr. had a successful and respected career in the mining industry and with the participation and full support of his wife, Christa S. Kilgore, an extensive volunteer career to include service as a member of the Class of '57 Reunion Gift Committee, the Engineering Committee of 100, and the Academy of Engineering Excellence; and

WHEREAS, Bill and Christa Kilgore have been recognized as members of the Ut Prosim Society for their philanthropy to the university to include support for the Mining and Minerals Engineering Department, the College of Engineering and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Bill and Christa Kilgore have also made generous contributions to the Christopher Haycocks Memorial Fund, Lane Stadium, the Class of '57 Reunion Fund, the Basketball Complex, the Corps of Cadets Commandant's Priorities fund, the Football Locker Room, and the Alumni Annual Fund; and

WHEREAS, Bill and Christa Kilgore have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Bill and Christa Kilgore and in recognition of past and future benefits to the university, Conference Room 361 of the Signature Engineering Building, will be known as the Christa S. and William D. Kilgore Jr. '57 Conference Room.

RECOMMENDATION:

That the resolution naming the Christa S. and William D. Kilgore Jr. '57 Conference Room be approved.

September 15, 2014

**RESOLUTION ON NAMING CHEMICAL ENGINEERING CONFERENCE ROOM 289
IN THE SIGNATURE ENGINEERING BUILDING FOR
CATHERINE E. AND ROBERT C. LUCKNER '68**

WHEREAS, Robert C. Luckner graduated from Virginia Tech in 1968 with a Bachelor of Science degree, in 1969 with a Master of Science degree, and in 1973 with a Doctor of Philosophy in Chemical Engineering; and

WHEREAS, Robert C. Luckner had a successful and respected career in industry, and with full support and participation from his wife, Catherine E. Luckner, an extensive volunteer career to include service as a member of the Central Florida Regional Campaign Committee for the Campaign for Virginia Tech: *Invent the Future*; and

WHEREAS, Bob and Catherine Luckner have been recognized as members of the Ut Prosim Society for their philanthropy to the university to include support for the Chemical Engineering Department with the Robert C. and Catherine E. Luckner Fellowship and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Bob and Catherine Luckner have also made generous contributions to the Virginia Tech Corps of Cadets with the VTCC Robert C. & Catherine E. Luckner Scholarship; and

WHEREAS, Bob and Catherine Luckner have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Bob and Catherine Luckner and in recognition of past and future benefits to the university, Chemical Engineering Conference Room 289 of the Signature Engineering Building, will be known as the Catherine E. and Robert C. Luckner '68 Chemical Engineering Conference Room.

RECOMMENDATION:

That the resolution naming the Catherine E. and Robert C. Luckner '68 Chemical Engineering Conference Room be approved.

September 15, 2014

RESOLUTION ON NAMING FACULTY OFFICE (ROOM 437) IN THE SIGNATURE ENGINEERING BUILDING FOR JO ANN C. AND LARRY R. MARSHALL '66

WHEREAS, Larry R. Marshall graduated from Virginia Tech in 1966 with a Bachelor of Science degree in Aerospace Engineering, and in 1974 with a Ph.D. in Engineering Mechanics; and

WHEREAS, Larry R. Marshall has a successful and respected career in industry, and with full support and participation from his wife, Jo Ann C. Marshall, an extensive volunteer career to include service as a member of the Academy of Engineering Excellence, the Engineering Committee of 100, the Engineering Education Advisory Board, and the Engineering Advisory Committee; and

WHEREAS, Larry and Jo Ann Marshall have been recognized as members of the Caldwell Society for their philanthropy to the university to include support for the College of Engineering with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Larry and Jo Ann Marshall have also made generous contributions to Virginia Tech Athletics; and

WHEREAS, Larry and Jo Ann Marshall have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Larry and Jo Ann Marshall and in recognition of past and future benefits to the university, Faculty Office Room 437 of the Signature Engineering Building, will be known as the Jo Ann C. and Larry R. Marshall '66 Faculty Office.

RECOMMENDATION:

That the resolution naming the Jo Ann C. and Larry R. Marshall '66 Faculty Office be approved.

September 15, 2014

RESOLUTION ON NAMING CONFERENCE ROOM 341 IN THE SIGNATURE ENGINEERING BUILDING FOR JERRY S. AND ARTHUR W. MCKINNEY, SR. '65

WHEREAS, Arthur W. McKinney, Sr. graduated from Virginia Tech in 1965 with a Bachelor of Science degree in Architecture Engineering; and

WHEREAS, Arthur W. McKinney, Sr. has a successful and respected career in industry, and with full support and participation from his wife, Jerry S. McKinney, an extensive volunteer career to include service as a member of the Academy of Engineering Excellence, the Engineering Committee of 100, the Engineering Advisory Committee, the Civil Engineering Advisory Board, the ICTAS Task Force, and the Engineering and Richmond Campaign Committees for the Campaign for Virginia Tech: *Invent the Future*; and

WHEREAS, Art McKinney was a chief advocate with legislators in the Commonwealth, championing the cause at the state level to carry the vision of the Signature Engineering Building on the campus of Virginia Tech from an ideal concept to a spectacular reality; and

WHEREAS, Art and Jerry McKinney have been recognized as members of the Ut Prosim Society for their philanthropy to the university to include support for the College of Engineering, the Department of Civil Engineering, and the Institute for Critical Technology and Applied Science with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Art and Jerry McKinney have also made generous contributions to the Virginia Tech Corps of Cadets and the Alumni Association; and

WHEREAS, Art and Jerry McKinney have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that with exceptional gratitude to Art McKinney for his support and advocacy, in acknowledgement of the service and generosity of Art and Jerry McKinney, and in recognition of past and future benefits to the university, Conference Room 341 of the Signature Engineering Building, will be known as the Jerry S. and Arthur W. McKinney, Sr. '65 Conference Room.

RECOMMENDATION:

That the resolution naming the Jerry S. and Arthur W. McKinney, Sr. '65 Conference Room be approved.

September 15, 2014

RESOLUTION ON NAMING THE AEROSPACE AND OCEAN ENGINEERING LAB IN THE SIGNATURE ENGINEERING BUILDING FOR NEWPORT NEWS SHIPBUILDING

WHEREAS, Newport News Shipbuilding has been a sustaining and generous supporter of the students and programs at Virginia Tech; and

WHEREAS, Newport News Shipbuilding is a successful organization that has provided philanthropic funding to the university to include support for the Nuclear Science Engineering program, College of Engineering Scholarship Endowment, Formula Car, and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Newport News Shipbuilding has also made generous contributions to the Meredith Leigh Winall Memorial Scholarship, the Hokie Spirit Memorial Fund, Career Services, Parents Funds, and Athletics; and

WHEREAS, Newport News Shipbuilding has been, and continues to be, a valued member of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Newport News Shipbuilding and in recognition of past and future benefits to the university, the Aerospace and Ocean Engineering Lab of the Signature Engineering Building, will be known as the Newport News Shipbuilding Aerospace and Ocean Engineering Lab.

RECOMMENDATION:

That the resolution naming the Newport News Shipbuilding Aerospace and Ocean Engineering Lab be approved.

September 15, 2014

RESOLUTION ON NAMING FACULTY OFFICE (ROOM 239) IN THE SIGNATURE ENGINEERING BUILDING FOR DONNA C. AND WILLIAM D. ORDEMANN '81

WHEREAS, William D. Ordemann graduated from Virginia Tech in 1981 with a Bachelor of Science degree in Chemical Engineering; and

WHEREAS, William D. Ordemann has a successful and respected career in the oil and gas industry, and with full support and participation from his wife, Donna C. Ordemann; and

WHEREAS, Bill and Donna Ordemann have been recognized as members of the Pylon Society for their philanthropy to the university to include support for the College of Engineering with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Bill and Donna Ordemann have also made generous contributions to the university's general unrestricted fund; and

WHEREAS, Bill and Donna Ordemann have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Bill and Donna Ordemann and in recognition of past and future benefits to the university, Faculty Office Room 239 of the Signature Engineering Building, will be known as the Donna C. and William D. Ordemann '81 Faculty Office.

RECOMMENDATION:

That the resolution naming the Donna C. and William D. Ordemann '81 Faculty Office be approved.

September 15, 2014

RESOLUTION ON NAMING FACULTY OFFICE (ROOM 237) IN THE SIGNATURE ENGINEERING BUILDING FOR PEGGY A. AND DAVID J. OSHINSKI '81

WHEREAS, David J. Oshinski graduated from Virginia Tech in 1981 with a Bachelor of Science degree in Civil Engineering; and

WHEREAS, David J. Oshinski has a successful and respected career in the petroleum and natural gas industry, and with full support and participation from his wife, Peggy A. Oshinski, an extensive volunteer career to include service as a member of the Engineering Committee of 100 and the Northern Virginia Regional Campaign Committee for the Campaign for Virginia Tech: *Invent the Future*; and

WHEREAS, Dave and Peggy Oshinski have been recognized as members of the Legacy Society and the Caldwell Society for their philanthropy to the university to include support for the College of Engineering and the Department of Civil and Environmental Engineering with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Dave and Peggy Oshinski have also made generous contributions to Virginia Tech Athletics and the Hokie Spirit Memorial Fund; and

WHEREAS, Dave and Peggy Oshinski have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Dave and Peggy Oshinski and in recognition of past and future benefits to the university, Faculty Office Room 237 of the Signature Engineering Building, will be known as the Peggy A. and David J. Oshinski '81 Faculty Office.

RECOMMENDATION:

That the resolution naming the Peggy A. and David J. Oshinski '81 Faculty Office be approved.

September 15, 2014

RESOLUTION ON NAMING FACULTY OFFICE (ROOM 453) IN THE SIGNATURE ENGINEERING BUILDING FOR MARY JANE AND CHARLES W. PRYOR, JR. '66

WHEREAS, Charles W. Pryor, Jr., graduated from Virginia Tech in 1966 with a Bachelor of Science degree, in 1968 with a Master of Science degree, and in 1970 with a Ph.D. in Civil Engineering; and

WHEREAS, Charles W. Pryor, Jr., has had a successful and respected career in industry, and with full support and participation from his wife, Mary Jane Pryor, an extensive volunteer career to include service as Chairman of the Virginia Tech Foundation Board of Directors, and member of the Academy of Engineering Excellence, the Engineering Committee of 100, the National Campaign Steering Committee and the Engineering Campaign Steering Committee for the Campaign for Virginia Tech: *Invent the Future*, and the Civil Engineering Advisory Board; and

WHEREAS, Charlie and Mary Jane Pryor have been recognized as members of the Ut Prosim Society and the Legacy Society for their philanthropy to the university to include support for the College of Engineering with the Charles W. Pryor, Jr., Engineering Scholarship and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Charlie and Mary Jane Pryor have also made generous contributions to Virginia Tech Athletics with the Charlie and Mary Jane Pryor Athletic Scholarship and the Charles W. Pryor, Jr., Scholarship; and

WHEREAS, Charlie and Mary Jane Pryor have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Charlie and Mary Jane Pryor and in recognition of past and future benefits to the university, Faculty Office Room 453 of the Signature Engineering Building, will be known as the Mary Jane and Charles W. Pryor, Jr. '66 Faculty Office.

RECOMMENDATION:

That the resolution naming the Mary Jane and Charles W. Pryor, Jr. '66 Faculty Office be approved.

September 15, 2014

RESOLUTION ON NAMING THE MAIN AUDITORIUM IN THE SIGNATURE ENGINEERING BUILDING FOR THE MICHAEL J. QUILLEN '70 FAMILY

WHEREAS, Michael J. Quillen graduated from Virginia Tech in 1970 with a Bachelor of Science degree in Civil Engineering, and in 1971 with a Master of Science degree in Civil Engineering; and

WHEREAS, Michael J. Quillen has had a successful and respected career in the energy industry, and with the participation and full support of his wife, Deborah H. Quillen, an extensive volunteer career to include service as Rector of the Virginia Tech Board of Visitors, member of the Virginia Tech Foundation Executive and Finance Committees and the Foundation's Development Committee, honorary member of the College of Engineering Campaign Steering Committee for the *Campaign for Virginia Tech: Invent the Future*, and member of the Virginia Tech Carilion School of Medicine Board, the Civil Engineering Advisory Committee, the Virginia Tech Athletic Fund Board, the Engineering Committee of 100, the Alumni Association Board, and the Academy of Engineering Excellence; and

WHEREAS, Mike and Debbie Quillen have been recognized as members of the President's Circle of the Ut Prosim Society for their philanthropy to the university to include support for the Civil and Environmental Engineering Scholarship and the Mining and Minerals Engineering Department, and exceptional support to the College of Engineering Signature Building Fund; and

WHEREAS, Mike and Debbie Quillen have also made generous contributions to the Riva San Vitale Renovations project, the Presidential Dependent Endowed Scholarship, Virginia Tech Carilion Research Institute, the Quillen Scholarship Endowed Fund, Institute for Critical Technology and Applied Science, the Alumni and Conference Center, Athletics, and the Alumni Annual Fund; and

WHEREAS, Mike and Debbie Quillen have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Mike and Debbie Quillen and the entire Quillen Family (son Christopher Quillen '98, son Matthew Quillen '06, and daughter Hunter Quillen Gresham), and in recognition of past and future benefits to the university, the Main Auditorium (Room 190) of the Signature Engineering Building will be known as the Quillen Family Auditorium.

RECOMMENDATION:

That the resolution naming the Quillen Family Auditorium be approved.

September 15, 2014

RESOLUTION ON NAMING CHEMICAL ENGINEERING LAB (ROOM 292) IN THE SIGNATURE ENGINEERING BUILDING FOR STEVEN D. REESE '75

WHEREAS, the late Steven D. Reese graduated from Virginia Tech in 1975 with a Bachelor of Science degree in Chemical Engineering; and

WHEREAS, Steven D. Reese had a successful and respected career in industry; and

WHEREAS, Steve Reese's philanthropy to the university to includes support for the College of Engineering, with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Steve Reese also made generous contributions to the Steven Reese Graduate Assistantship in Chemical Engineering, and Virginia Tech Athletics; and

WHEREAS, Steve Reese was a valued member of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Steve Reese and in recognition of past and future benefits to the university, Chemical Engineering Lab Room 292 of the Signature Engineering Building, will be known as the Steven D. Reese '75 Chemical Engineering Lab.

RECOMMENDATION:

That the resolution naming the Steven D. Reese '75 Chemical Engineering Lab be approved.

September 15, 2014

RESOLUTION ON NAMING CHEMICAL ENGINEERING DEPARTMENT HEAD OFFICE (ROOM 249) IN THE SIGNATURE ENGINEERING BUILDING FOR JOYCE M. AND B. FIELDING ROLSTON '63

WHEREAS, B. Fielding Rolston graduated from Virginia Tech in 1963 with a Bachelor of Science degree in Industrial Engineering; and

WHEREAS, B. Fielding Rolston had a successful and respected career in industry, and with full support and participation from his wife, Joyce M. Rolston, an extensive volunteer career to include service as a member of the Engineering Committee of 100, the Academy of Engineering Excellence, the Engineering Advisory Committee and the Industrial and Systems Engineering Advisory Board; and

WHEREAS, Fielding and Joyce Rolston have been recognized as members of the Ut Prosim Society and the Legacy Society for their philanthropy to the university to include support for the College of Engineering, the Department of Industrial and Systems Engineering with the Rolston Fellowship in Industrial and Systems Engineering and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Fielding and Joyce Rolston have also made generous contributions to the Virginia Tech Corps of Cadets, Athletics and the Alumni Association; and

WHEREAS, Fielding and Joyce Rolston have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Fielding and Joyce Rolston and in recognition of past and future benefits to the university, Chemical Engineering Department Head Office Room 249 of the Signature Engineering Building, will be known as the Joyce M. and B. Fielding Rolston '63 Chemical Engineering Department Head Office.

RECOMMENDATION:

That the resolution naming the Joyce M. and B. Fielding Rolston '63 Chemical Engineering Department Head Office be approved.

September 15, 2014

RESOLUTION ON NAMING FIRST FLOOR CLASSROOM 155 IN THE SIGNATURE ENGINEERING BUILDING FOR LAILA N. ROSSI '95 AND ADAM C. ROSSI '95

WHEREAS, Adam C. Rossi graduated from Virginia Tech in 1995 with a Bachelor of Science degree in Chemical Engineering and in 1997 with an MBA in Business Administration; and

WHEREAS, Laila N. Rossi graduated from Virginia Tech in 1995 with a Bachelor of Science degree in Psychology and in 1997 with an MBA in Business Administration; and

WHEREAS, Adam and Laila Rossi have successful and respected careers in industry; and

WHEREAS, Adam and Laila Rossi will be recognized as members of the Ut Prosim Society for their philanthropy to the university to include support for the College of Engineering and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Adam and Laila Rossi have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Adam and Laila Rossi and in recognition of past and future benefits to the university, First Floor Classroom Room 155 of the Signature Engineering Building, will be known as the Laila N. '95 and Adam C. Rossi '95 Classroom.

RECOMMENDATION:

That the resolution naming the Laila N. '95 and Adam C. Rossi '95 Classroom be approved.

September 15, 2014

RESOLUTION ON NAMING THE MECHANICAL ENGINEERING DEPARTMENT HEAD OFFICE (ROOM 449) IN THE SIGNATURE ENGINEERING BUILDING FOR JEANNE M. WELCH AND JAMES A RULE, JR. '75

WHEREAS, James A. Rule, Jr., graduated from Virginia Tech in 1975 with a Bachelor of Science degree, in 1976 with a Master of Science degree, and in 1988 with a Ph.D. in Mechanical Engineering; and

WHEREAS, James A. Rule, Jr., has a successful and respected career in industry, and with full support and participation from his wife, Jeanne M. Welch, an extensive volunteer career to include service as a member of the Mechanical Engineering Advisory Board, the Roanoke Valley Campaign Committee for the Campaign for Virginia Tech: *Invent the Future*, and service as an alumni chapter leader for the Virginia Tech Alumni Association; and

WHEREAS, Jay Rule and Jeanne Welch have been recognized as members of the Ut Prosim Society and the Legacy Society for their philanthropy to the university to include support for the College of Engineering, the Department of Mechanical Engineering with the James A. Rule, Sr., Engineering Scholarship, and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Jay Rule and Jeanne Welch have also made generous contributions to Virginia Tech Athletics, the Hokie Spirit Memorial Fund, and the Alumni Association; and

WHEREAS, Jay Rule and Jeanne Welch have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Jay Rule and Jeanne Welch and in recognition of past and future benefits to the university, the Mechanical Engineering Department Head Office Room 449 of the Signature Engineering Building, will be known as the Jeanne M. Welch and James A. Rule, Jr. '75 Mechanical Engineering Department Head Office.

RECOMMENDATION:

That the resolution naming the Jeanne M. Welch and James A. Rule, Jr. '75 Mechanical Engineering Department Head Office be approved.

September 15, 2014

RESOLUTION ON NAMING MECHANICAL ENGINEERING LAB (ROOM 306) IN THE SIGNATURE ENGINEERING BUILDING FOR CORNELIA W. AND WILLIAM C. SCRUGGS '60

WHEREAS, William C. Scruggs graduated from Virginia Tech in 1960 with a Bachelor of Science degree in Civil Engineering; and

WHEREAS, William C. Scruggs, with full support and participation from his wife, Cornelia W. Scruggs, had a successful and respected career in industry; and

WHEREAS, Bill and Connie Scruggs have been recognized as members of the Ut Prosim Society and the Legacy Society for their philanthropy to the university to include support for the College of Engineering, the Gustavus and Mary Scruggs Memorial Fund, the Bill and Connie Scruggs Engineering Scholarship, and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Bill and Connie Scruggs have also made generous contributions to the Alumni Association, University Libraries and Athletics; and

WHEREAS, Bill and Connie Scruggs have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Bill and Connie Scruggs and in recognition of past and future benefits to the university, the Mechanical Engineering Lab Room 306 of the Signature Engineering Building, will be known as the Cornelia W. and William C. Scruggs '60 Mechanical Engineering Lab.

RECOMMENDATION:

That the resolution naming the Cornelia W. and William C. Scruggs '60 Mechanical Engineering Lab be approved.

September 15, 2014

RESOLUTION ON NAMING MECHANICAL ENGINEERING LAB (ROOM 332) IN THE SIGNATURE ENGINEERING BUILDING FOR
MARGARET AND JOHN M. SCRUGGS '50

WHEREAS, the late John M. Scruggs graduated from Virginia Tech in 1950 with a Bachelor of Science degree in Civil Engineering; and

WHEREAS, John M. Scruggs, with full support and participation from his late wife, Margaret Scruggs, had a successful and respected career in industry; and

WHEREAS, John and Margaret Scruggs had been recognized as members of the Legacy Society for their philanthropy to the university to include support for the College of Engineering and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, John and Margaret Scruggs had also made generous contributions to the College of Science, the Alumni Association and Athletics; and

WHEREAS, John and Margaret Scruggs were valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of John and Margaret Scruggs and in recognition of past and future benefits to the university, the Mechanical Engineering Lab Room 332 of the Signature Engineering Building, will be known as the Margaret and John M. Scruggs '50 Mechanical Engineering Lab.

RECOMMENDATION:

That the resolution naming the Margaret and John M. Scruggs '50 Mechanical Engineering Lab be approved.

September 15, 2014

RESOLUTION ON NAMING FACULTY OFFICE (ROOM 329) IN THE SIGNATURE ENGINEERING BUILDING FOR PATRICIA A. AND PATRICK N. SHAFFNER '61

WHEREAS, Patrick N. Shaffner graduated from Virginia Tech in 1961 with a Bachelor of Science degree in Civil Engineering; and

WHEREAS, Patrick N. Shaffner had a successful and respected career in industry, and with full support and participation from his wife, Patricia A. Shaffner, an extensive volunteer career to include service as a member of the Engineering Committee of 100, the Roanoke Campaign Steering Committee for the Campaign for Virginia Tech: *Invent the Future*, the Engineering Advisory Committee and Hokies for Higher Education; and

WHEREAS, Pat and Trish Shaffner have been recognized as members of the Ut Prosim Society for their philanthropy to the university to include support for the College of Engineering, the Department of Civil and Environmental Engineering and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Pat and Trish Shaffner have also made generous contributions to the Virginia Tech Corps of Cadets, Athletics and the Alumni Association; and

WHEREAS, Pat and Trish Shaffner have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Pat and Trish Shaffner and in recognition of past and future benefits to the university, the Faculty Office Room 329 of the Signature Engineering Building, will be known as the Patricia A. and Patrick N. Shaffner '61 Faculty Office.

RECOMMENDATION:

That the resolution naming the Patricia A. and Patrick N. Shaffner '61 Faculty Office be approved.

September 15, 2014

RESOLUTION ON NAMING FACULTY OFFICE (ROOM 457) IN THE SIGNATURE ENGINEERING BUILDING FOR LEILA AND KIRK E. SPITZER '67

WHEREAS, Kirk E. Spitzer graduated from Virginia Tech in 1967 with a Bachelor of Science degree in Industrial Engineering; and

WHEREAS, Kirk E. Spitzer had a successful and respected career in industry and with the participation and full support of his wife, Leila B. Spitzer, an extensive volunteer career to include service as a member of the Richmond Regional Committee for the Campaign for Virginia Tech: *Invent the Future*, ICTAS Task Force, the Industrial and Systems Engineering Advisory Board, Hokies for Higher Education, and the Engineering Committee of 100; and

WHEREAS, Kirk and Leila Spitzer have been recognized as members of the Ut Prosim Society for their philanthropy to the university to include support for the College of Engineering, the Kirk and Leila Spitzer Undergraduate Scholarship, the M. H. Agee Undergraduate Scholarship, and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Kirk and Leila Spitzer have also made generous contributions to the Merryman Center, the Jerel T. Boone Memorial Scholarship, Athletics, and the Alumni Annual Fund; and

WHEREAS, Kirk and Leila Spitzer have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Kirk and Leila Spitzer and in recognition of past and future benefits to the university, the Faculty Office Room 457 of the Signature Engineering Building, will be known as the Leila and Kirk E. Spitzer '67 Faculty Office.

RECOMMENDATION:

That the resolution naming the Leila and Kirk E. Spitzer '67 Faculty Office be approved.

September 15, 2014

RESOLUTION ON NAMING FACULTY OFFICE (ROOM 353) IN THE SIGNATURE ENGINEERING BUILDING FOR SANTINA AND W. FREDERICK ST. JOHN '73

WHEREAS, W. Frederick St. John graduated from Virginia Tech in 1973 with a Bachelor of Science degree in Industrial Engineering; and

WHEREAS, W. Frederick St. John, with the participation and full support of his wife, Dr. Santina St. John, had a successful and respected career in the energy field; and

WHEREAS, Fred and Santina St. John have been recognized as members of the Ut Prosim Society for their philanthropy to the university to include support for the College of Engineering and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Fred and Santina St. John have also made generous contributions to the Merryman Center, Athletics, and the Alumni Annual Fund; and

WHEREAS, Fred and Santina St. John have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Fred and Santina St. John and in recognition of past and future benefits to the university, the Faculty Office Room 353 of the Signature Engineering Building, will be known as the Santina and W. Frederick St. John '73 Faculty Office.

RECOMMENDATION:

That the resolution naming the Santina and W. Frederick St. John '73 Faculty Office be approved.

September 15, 2014

RESOLUTION ON NAMING MECHANICAL CONFERENCE ROOM 444 IN THE SIGNATURE ENGINEERING BUILDING FOR PHYLLIS K. SYME '82 AND JAMES A. SYME '83

WHEREAS, J. Anthony Syme graduated from Virginia Tech in 1983 with a Bachelor of Science degree in Aerospace and Ocean Engineering; and

WHEREAS, Phyllis K. Syme graduated from Virginia Tech in 1982 with a Bachelor of Science degree in Sociology, having a successful and respected career in both teaching and counseling; and

WHEREAS, J. Anthony Syme had a successful and respected career in the aerospace engineering industry, and with full support and participation from his wife, Phyllis K. Syme, an extensive volunteer career to include service as a member of the Aerospace and Ocean Engineering Advisory Board, the Engineering Advisory Committee, and the Engineering Committee of 100; and

WHEREAS, Tony and Phyllis Syme have been recognized as members of the Ut Prosim Society for their philanthropy to the university to include support for the College of Engineering, Department of Aerospace and Ocean Engineering, the CAVE Automated Virtual Environment, and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Tony and Phyllis Syme have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Tony and Phyllis Syme and in recognition of past and future benefits to the university, the Mechanical Engineering Conference Room 444 of the Signature Engineering Building, will be known as the Phyllis K. and J. Anthony Syme '83 Mechanical Engineering Conference Room.

RECOMMENDATION:

That the resolution naming the Phyllis K. and J. Anthony Syme '83 Mechanical Engineering Conference Room be approved.

September 15, 2014

RESOLUTION ON NAMING FACULTY OFFICE (ROOM 435) IN THE SIGNATURE ENGINEERING BUILDING FOR JUDITH H. AND NATHAN H. TURBEVILLE, JR. '61

WHEREAS, Nathan H. Turbeville, Jr. graduated from Virginia Tech in 1961 with a Bachelor of Science degree in Mechanical Engineering; and

WHEREAS, Nathan H. Turbeville, Jr., with the participation and full support of his wife, Judith H. Turbeville, had a successful and respected career in business; and

WHEREAS, Nathan and Judith Turbeville have been recognized as members of the Pylon Society for their philanthropy to the university to include support for the College of Engineering and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Nathan and Judith Turbeville have also made generous contributions to the VTCCA Nathan H. Turbeville, Jr. Scholarship, the Alumni and Conference Center, Athletics, and the Alumni Annual Fund; and

WHEREAS, Nathan and Judith Turbeville have been, and continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Nathan and Judith Turbeville and in recognition of past and future benefits to the university, the Faculty Office Room 435 of the Signature Engineering Building, will be known as the Judith H. and Nathan H. Turbeville, Jr. '61 Faculty Office.

RECOMMENDATION:

That the resolution naming the Judith H. and Nathan H. Turbeville, Jr. '61 Faculty Office be approved.

September 15, 2014

RESOLUTION ON NAMING FIRST FLOOR CLASSROOM 135 IN THE SIGNATURE ENGINEERING BUILDING FOR J. A. (JACK) URQUHART '49 AND
J. ALEXANDER (ALEX) URQUHART '81

WHEREAS, the late John Alexander Urquhart, Sr. graduated from Virginia Tech in 1949 with a Bachelor of Science degree in Industrial Engineering and J. Alexander Urquhart, Jr. graduated from Virginia Tech in 1981 with a Bachelor of Science degree in Industrial Engineering and Operations Research; and

WHEREAS, Jack Urquhart had a successful and respected career in business and with the participation and full support of his wife, Mary Anne Urquhart, an extensive volunteer career to include service as a member of the Virginia Tech Foundation Board, the Class of '49 Reunion Committee, and the Engineering Committee of 100; and

WHEREAS, Jack and Mary Anne Urquhart have been recognized as members of the Ut Prosim Society for their philanthropy to the university to include support for the John A. Urquhart Endowed Scholarship, the College of Engineering, and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Jack and Mary Anne Urquhart have also made generous contributions to the Corps of Cadets Commandant's Priorities fund, the VTCC Class of '49 50th Anniversary Reunion Endowed Scholarship, and the Alumni Annual Fund; and

WHEREAS, Alex Urquhart has had a successful and respected career in finance and with the participation and full support of his wife, Judy C. Urquhart, an extensive volunteer career to include service as a member of the New York City Regional Campaign Committee and the National Campaign Steering Committee for the Campaign for Virginia Tech: *Invent the Future*, the Virginia Tech Foundation Board and its Development Committee; and

WHEREAS, Alex and Judy Urquhart have been recognized as members of the Ut Prosim Society for their philanthropy to the university to include support for the College of Engineering, the John A. Urquhart Endowed Scholarship, and with considerable support provided to the College of Engineering Signature Building Fund; and

WHEREAS, Alex and Judy Urquhart have also made generous contributions to the Hokie Spirit Memorial Fund, and the Alumni Annual Fund; and

WHEREAS, Jack Urquhart was a valued member of the university community, and Mary Anne Urquhart and J. Alex and Judy Urquhart continue to be, valued members of the university community;

NOW, THEREFORE, BE IT RESOLVED that in acknowledgement of the service and generosity of Jack and Mary Anne Urquhart and J. Alex and Judy Urquhart and in recognition of past and future benefits to the university, First Floor Classroom 135 of the Signature Engineering Building, will be known as the J. A. Urquhart '49 and J. Alex Urquhart '81 Classroom.

RECOMMENDATION:

That the resolution naming the J. A. Urquhart '49 and J. Alex Urquhart '81 Classroom be approved.

September 15, 2014

Summary

Emeritus Faculty Resolutions (14)

September 15, 2014

College of Agriculture and Life Sciences

Allen F. Harper   Professor Emeritus of Animal Science
J. Reese Voshell   Professor Emeritus of Entomology

College of Engineering
Eugene F. Brown   Professor Emeritus of Mechanical Engineering

College of Liberal Arts and Human Sciences

Linda M. Anderson   Professor Emerita of English
John S. Husser   Associate Professor Emeritus of Music
Daniel W. Mosser   Professor Emeritus of English

Pamplin College of Business

Samuel A. Hicks   Associate Professor Emeritus of Accounting and Information Systems
Larry N. Killough   Professor Emeritus of Accounting and Information Systems
Dilip K. Shome   Professor Emeritus of Finance

College of Science

George A. Hagedorn   Professor Emeritus of Mathematics
Carl L. Prather   Professor Emeritus of Mathematics

University Administration

Ralph M. Byers   Executive Director Emeritus of Government Relations
John F. Moore   Managing Director Emeritus of Technology-enhanced Learning and Online Strategies
Charles W. Steger   President Emeritus

RESOLUTION FOR EMERITUS STATUS

WHEREAS, Allen Harper Ph.D. has faithfully served Virginia Tech as a faculty member in the Department of Animal and Poultry Science in the College of Agriculture and Life Sciences for 22 years and prior to that as an agricultural extension agent for seven years; and

WHEREAS, he advised one M.S. and three Ph.D. students, and co- advised numerous students within the department; and

WHEREAS, he was principal or co-principal investigator on over 84 competitive and non-competitive grants and contracts researching areas of swine nutrition, breeder swine performance, and carcass disposal; and

WHEREAS, he authored or co-authored over 160 refereed journal articles, extension publications, and abstracts; and

WHEREAS, he served as an officer in four academic or professional associations; and

WHEREAS, he received four professional honors and awards, including the Virginia Agribusiness Council Extension Service Award, the American Society of Animal Science - Southern Section Extension Award, and the Virginia Pork Industry Association Service Award; and

WHEREAS, he provided many years of distinguished contributions to the department, the college, and the university through dedicated service on 10 committees; and

WHEREAS, he served as Director of the Tidewater Agricultural Research and Extension Center for over six years;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Visitors recognizes Allen Harper, Ph.D. for his distinguished service to the university with the title of Professor Emeritus of Animal Science.

RECOMMENDATION:

That the above resolution recommending Alan Harper, Ph.D. for emeritus status be approved.

September 15, 2014

RESOLUTION FOR EMERITUS STATUS

WHEREAS, beginning in 1976 and continuing for 38 years, Reese Voshell, Ph.D. faithfully served Virginia Tech as a faculty member in the Department of Entomology in the College of Agriculture and Life Sciences; and

WHEREAS, he made significant contributions to the understanding of entomology through his work in aquatic entomology focusing on precision measurements of stream pollution; and

WHEREAS, he supported the scientific research enterprise as a conference organizer and frequent reviewer for national and international journals and funding agencies; and

WHEREAS, with dedication, he taught a wide variety of undergraduate and graduate courses ranging across the full entomology curriculum, placing strong emphasis on standards and student learning; and

WHEREAS, he advised numerous students on master's theses and doctoral dissertations and helped them develop successful careers in both academic and industrial settings; and

WHEREAS, he provided many years of distinguished contributions to the department, college, and university through dedicated service on numerous committees;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Visitors recognizes Reese Voshell, Ph.D. for his distinguished service to the university with the title Professor Emeritus of Entomology.

RECOMMENDATION:

That the above resolution recommending Reese Voshell, Ph.D. for emeritus status be approved.

September 15, 2014

RESOLUTION FOR EMERITUS STATUS

WHEREAS, beginning in 1969 and continuing for 45 years, Eugene F. Brown, Ph.D. faithfully served Virginia Tech as a faculty member in the Department of Mechanical Engineering in the College of Engineering; and

WHEREAS, his role in the recent establishment of the graduate program in nuclear engineering represents a significant contribution to the department and the college; and

WHEREAS, he ably served the scientific community as a program manager of the National Science Foundation's Graduate Research Fellowship program and contributed his expertise as a consultant and contractor to numerous companies and federal agencies including his service to the Navy as a Liaison Scientist for Fluid Mechanics for Europe and the Middle East; and

WHEREAS, through his research in fluid mechanics and heat transfer and as a conference organizer and journal reviewer he contributed to the discipline of mechanical engineering; and

WHEREAS, with dedication, he taught more than 30 undergraduate and graduate mechanical engineering courses ranging from thermodynamics to instrumentation; and

WHEREAS, he advised numerous master's and doctoral students and helped them develop successful careers; and

WHEREAS, he authored more than 250 journal articles, conference papers, and reports describing his work; and

WHEREAS, he provided many years of distinguished contributions to the department, college, and university through dedicated service on numerous committees, including his appointments as associate provost for program development in the Research Division and as assistant department head in the mechanical engineering department;

WHEREAS, his many years of service as a commissioner and evaluator for the Engineering Accreditation Commission of Accreditation Board for Engineering and Technology have contributed to the improvement of mechanical engineering programs across the United States and the training of a new generation of engineering program evaluators; and

WHEREAS, he is a member of five honorary engineering societies, and has received numerous awards from federal agencies and the college in recognition of his contributions;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Visitors recognizes Eugene F. Brown, Ph.D. for his distinguished service to the university with the title Professor Emeritus of Mechanical Engineering.

RECOMMENDATION:

That the above resolution recommending Eugene F. Brown, Ph.D. for emeritus status be approved.

September 15, 2014

RESOLUTION FOR EMERITA STATUS

WHEREAS, beginning in 1987 and continuing for 26 years, Linda M. Anderson, Ph.D. faithfully served Virginia Tech as a faculty member in the department of English in the College of Liberal Arts and Human Sciences; and

WHEREAS, she made significant contributions to the understanding of the works of Shakespeare through her work on his plays; and

WHEREAS, she supported the scientific research enterprise as a reviewer for five national journals and the National Endowment for the Humanities; and

WHEREAS, she authored or co-authored three books and over 30 refereed journal articles, book chapters, and reviews; and

WHEREAS, she served her field through her membership in the International Shakespeare Association, the Malone Society, the Renaissance Society of America, the Shakespeare Association of America, the Shakespeare Birthplace Trust, the South Atlantic Language Association, and the South Central Modern Language Association; and

WHEREAS, with dedication, she taught a wide variety of undergraduate and graduate courses ranging across the full spectrum of Early English literature, placing strong emphasis on standards and student learning; and

WHEREAS, she provided many years of distinguished contributions to the department, college, and university through dedicated service on numerous committees;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Visitors recognizes Linda M. Anderson, Ph.D. for her distinguished service to the university with the title Professor Emerita of English.

RECOMMENDATION:

That the above resolution recommending Linda Anderson, Ph.D. for emerita status be approved.

September 15, 2014

RESOLUTION FOR EMERITUS STATUS

WHEREAS, beginning in 1979 and continuing for 35 years, John S. Husser faithfully served Virginia Tech as a faculty member in the Division of Performing Arts, the Department of Music, and the School of Performing Arts | Music | Theatre | Cinema in the College of Arts and Sciences, and the College of Liberal Arts and Human Sciences; and

WHEREAS, he made significant contributions to music and the arts at Virginia Tech through his work as head of the Department of Music for 22 years and as the founder of the music technology curriculum; and

WHEREAS, he ably served the music community with performances on the University Chamber Music Series, numerous Virginia Tech faculty chamber music concerts, and performances with the New River Valley Chamber Orchestra, Roanoke Symphony Orchestra, and Opera Roanoke; and

WHEREAS, he supported the engagement mission of the university, providing vital support for the creation of the Virginia Tech Honor Band and Virginia Tech Summer Band Camp; and

WHEREAS, with dedication, he taught a wide variety of undergraduate courses ranging across the full music curriculum, particularly applied bassoon and music technology, placing strong emphasis on standards and student learning; and

WHEREAS, he advised a generation of music students in his role as departmental advisor, including the preparation of numerous junior and senior recitals and helped the students develop successful careers in both public school music and professional music settings; and

WHEREAS, he provided many years of distinguished contributions to the department, college, and university through dedicated service on numerous committees;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Visitors recognizes John S. Husser for his distinguished service to the university with the title Associate Professor Emeritus of Music.

RECOMMENDATION:

That the above resolution recommending John Husser, Jr. for emeritus status be approved.

September 15, 2014

RESOLUTION FOR EMERITUS STATUS

WHEREAS, beginning in 1985 and continuing for 30 years, Daniel W. Mosser, Ph.D. faithfully served Virginia Tech as a faculty member in the Department of English in the College of Liberal Arts and Human Sciences; and

WHEREAS, he made significant contributions to the understanding of medieval English literature and manuscripts through his work on Geoffrey Chaucer's *Canterbury Tales;* and

WHEREAS, he authored or co-authored seven refereed books (including in electronic format) and over 30 refereed journal articles, book chapters, and reviews; and

WHEREAS, he was the founder and for 11 years the very able director of the Center for Applied Technologies in the Humanities and has been a key player in the development of the field of digital humanities on campus; and

WHEREAS, he was the co-editor and chief projector of the *Thomas L Gravell Watermark Archive,* a database collecting and annotating thousands of European and American watermarks; and

WHEREAS, he was principal or co-principal investigator on grants promoting international research and digital humanities in the commonwealth; and

WHEREAS, he supported the humanistic research enterprise as a conference organizer and reviewer for national and international journals and funding agencies; and

WHEREAS, he was the co-editor and chief projector of the DIMEV, a digitized and vastly expanded and enhanced database edition of the *Index of Middle English Verse;* and

WHEREAS, he served his discipline through participation in the following professional organizations: Bibliographical Society of America, Bibliographical Society of Virginia, New Chaucer Society Bibliographical Society, The John Gower Society, Early Book Society, The Medieval Academy, Early English Text Society, Association for Manuscripts and Archives in Research Collections, and The Southeastern Medieval Association; and

WHEREAS, with dedication, he taught a wide variety of undergraduate and graduate courses ranging across medieval literature, placing strong emphasis on standards and student learning; and

WHEREAS, he provided many years of distinguished contributions to the department, college, and university through dedicated service on numerous committees;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Visitors recognizes Daniel W. Mosser, Ph.D. for his distinguished service to the university with the title Professor Emeritus of English.

RECOMMENDATION:

That the above resolution recommending Daniel Mosser, Ph.D. for emeritus status be approved.

September 15, 2014

RESOLUTION FOR EMERITUS STATUS

WHEREAS, Samuel A. Hicks, Jr., Ph.D. served Virginia Tech since 1979 for 34 years in the Department of Accounting and Information Systems in the Pamplin College of Business; and

WHEREAS, as a member of the faculty in the Department of Accounting and Information Systems, and in its predecessor, the Department of Accounting, he was a dedicated teacher of a large number of courses at the undergraduate and graduate levels; and

WHEREAS, he served as program chair of the Virginia Accounting and Auditing Conference from 2000 to 2011 and strengthened ties with the Virginia Society of Certified Public Accountants; and

WHEREAS, he published numerous books and refereed journal articles in both academic and practice related journals, and refereed proceedings in the accounting and tax area; and

WHEREAS, he served on numerous dissertation committees and made numerous presentations at academic meetings; and

WHEREAS, he conducted numerous workshops and seminars on personal use of computers in accounting and taxation that were well received by his audience; and

WHEREAS, he provided many years of distinguished contributions to the department, college, and university through dedicated service on numerous committees; where he always went the extra mile to assure the effectiveness of his efforts;

NOW, THEREFORE, **BE IT RESOLVED,** that the Board of Visitors recognizes Samuel A. Hicks, Jr., Ph.D. for his service to the university with the title of Associate Professor Emeritus of Accounting and Information Systems.

RECOMMENDATION:

That the above resolution recommending Samuel A. Hicks, Jr., Ph.D. for emeritus status be approved.

September 15, 2014

RESOLUTION FOR EMERITUS STATUS

WHEREAS, beginning in 1969 and continuing for 44 years, Larry N. Killough, Ph.D. faithfully served Virginia Tech as a faculty member in the Department of Accounting and Information Systems in the Pamplin College of Business; and

WHEREAS, as a member of the faculty in the Department of Accounting and Information Systems, and in its predecessor, the Department of Accounting, he was a dedicated teacher of a large number of courses at the undergraduate and graduate levels; and

WHEREAS, he directed 22 doctoral students, and served on over 20 doctoral committees at Virginia Tech and other universities; and

WHEREAS, he authored or co-authored over 60 refereed journal articles; and

WHEREAS, he served as associate editor (1995-1998; 2000-2005) for *Decision Sciences Journal*, and on editorial boards of several other impactful journals; and

WHEREAS, he held leadership positions in professional organizations, including the American Institute of Certified Public Accountants, American Accounting Association, National Collegiate Athletic Association, Virginia Society of Certified Public Accountants, and Atlantic Coast Conference; and

WHEREAS, he served on important university, college, and departmental committees, including serving as chair of the Appeals Committee for Student Athletes, Faculty Reconciliation Committee, and Honorifics Committee; and

WHEREAS, he provided many years of distinguished contributions to the department, the college, and the university through dedicated service on numerous commissions and committees;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Visitors recognizes Larry N. Killough, Ph.D. for his distinguished service to the university with the title of Professor Emeritus of Accounting and Information Systems.

RECOMMENDATION:

That the above resolution recommending Larry N. Killough, Ph.D. for emeritus status be approved.

September 15, 2014

RESOLUTION FOR EMERITUS STATUS

WHEREAS, Dilip K. Shome, Ph.D. served Virginia Tech for 31 years in the Department of Finance, Insurance, and Business Law in the Pamplin College of Business beginning in January 1983; and

WHEREAS, as a member of the faculty in the Department of Finance, Insurance, and Business Law, he was a dedicated teacher who excelled in teaching a very wide variety of courses at the undergraduate, MBA, and Ph.D. levels winning numerous teaching awards; and

WHEREAS, he served as the department head of the Department of Finance, Insurance, and Business Law from July 1996 to June 2000. During his term as the department head, the department achieved some of the highest levels of research productivity in the elite finance journals because of his focus on retention, rewards, and resource allocation for research active faculty; and

WHEREAS, he published numerous articles in refereed academic journals and proceedings, as well as, in non-refereed practitioner journals in the area of finance; and

WHEREAS, he served as chair or co-chair of several dissertation committees in the Department of Finance, Insurance, and Business Law, and served as a committee member on numerous dissertation committees in the departments of accounting and information systems, economics, forestry, and finance, insurance, and business law; and

WHEREAS, he made numerous presentations at national and international academic meetings; and

WHEREAS, he contributed to Pamplin's International Programs by leading study abroad groups, developing exchange programs, and teaching abroad; and

WHEREAS, as chair of the committees that restructured the entire curriculum for the undergraduate and MBA programs, he led all of the major curriculum revisions that were implemented in the Department of Finance, Insurance, and Business Law for the undergraduate and MBA programs in the past 10 years; and

WHEREAS, as the track director for the Association of Advance Collegiate Schools of Business (AACSB) sponsored Academically Qualified (AQ) Post Graduate Bridge to Finance program, he designed and implemented the track and the courses and provided extensive placement support for the graduates of the program; and

WHEREAS, he served as the Director of the Ph.D. Program for the Department of Finance, Insurance, and Business Law for two 3-year terms with the overall responsibility for recruiting and course advising for all Ph.D. students in the department, their comprehensive exams, and revisions of the curriculum for the Ph.D. program;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Visitors recognizes Dilip K. Shome, Ph.D. for his service to the university with the title of Professor Emeritus of Finance.

RECOMMENDATION:

That the above resolution recommending Dilip K. Shome, Ph.D. for emeritus status be approved.

September 15, 2014

RESOLUTION FOR EMERITUS STATUS

WHEREAS, beginning in 1980 and continuing for 34 years, George A. Hagedorn, Ph.D. faithfully served Virginia Tech as a faculty member in the Department of Mathematics; and

WHEREAS, he made deep contributions to the understanding of mathematics, physics, and chemistry through his work on semi classical analysis of molecular dynamics; and

WHEREAS, he published over 70 papers on this work and presented this work in over 100 talks in eighteen countries on five continents; and

WHEREAS, his research received 32 years of National Science Foundation funding; and

WHEREAS, he was nominated for the Dannie Heineman Prize in Mathematical Physics; and

WHEREAS, he effectively taught a wide variety of undergraduate and graduate courses; and

WHEREAS, he supervised nine Ph.D. dissertations; and

WHEREAS, he served as the director of the Center for Statistical Mechanics and Mathematical Physics and later as the director of the Center for Statistical Mechanics, Mathematical Physics, and Theoretical Chemistry; and

WHEREAS, he provided conscientious service and leadership on numerous significant committees; and

WHEREAS, he served the professional community in positions such as editor, reviewer, conference organizer, and science fair judge;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Visitors recognizes George A. Hagedorn, Ph.D. for his distinguished service to the university with the title Professor Emeritus of Mathematics.

RECOMMENDATION:

That the above resolution recommending George A. Hagedorn, Ph.D. for emeritus status be approved.

September 15, 2014

RESOLUTION FOR EMERITUS STATUS

WHEREAS, beginning in 1977 and continuing for 37 years, Carl Prather, Ph.D. faithfully served Virginia Tech as a faculty member in the Department of Mathematics; and

WHEREAS, he contributed to the continuing vitality of classical analysis with papers characterized by reviewers as elegant and substantial; and

WHEREAS, he taught a variety of mathematics classes with an enthusiasm for mathematics and with a theatrical flair that were widely recognized and appreciated by his students; and

WHEREAS, he shared with students his love of mathematical challenges through his work on departmental and national mathematics competition committees; and

WHEREAS, he gave talks at leading research universities, at historically black colleges and universities, and at meetings of professional societies; and

WHEREAS, he served the profession on various departmental committees and federal agency advisory committees;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Visitors recognizes Carl Prather, Ph.D. for his distinguished service to the university with the title Professor Emeritus of Mathematics.

RECOMMENDATION:

That the above resolution recommending Carl Prather, Ph.D. for emeritus status be approved.

September 15, 2014

RESOLUTION FOR EMERITUS STATUS

WHEREAS, beginning in 1990 and continuing for 24 years, Ralph M. Byers served Virginia Tech as Director, and subsequently Executive Director, of Government Relations in the Office of the President; and

WHEREAS, he represented the University before the Virginia General Assembly, the United States Congress, and other governmental agencies and officials; and

WHEREAS, he provided wise counsel to three Virginia Tech Presidents in his role as Executive Director: James D. McComas, Paul E. Torgersen, and Charles W. Steger; and

WHEREAS, he helped secure federal and state support and funding for many academic initiatives, research programs, and capital projects; and

WHEREAS, he was active on multiple university committees including Academic Council, the Safety and Security Policy Committee, the Economic Development Leadership Council, and the Cooperative Extension/Agricultural Research Council; and

WHEREAS, he served on the Executive Committee of the Council on Government Relations of the Association of Public and Land-grant Universities; and

WHEREAS, he served as an officer in the United States Naval Reserve, is a graduate of Emory University and holds a master's degree in English from the University of Virginia; and

WHEREAS, prior to joining Virginia Tech, he served as Assistant to the President of Duke University, Assistant to the Director of the State Council of Higher Education for Virginia, and Executive Director of the North Carolina Center for Independent Higher Education; and

WHEREAS, he earned the respect of his colleagues and elected officials throughout the Commonwealth of Virginia and beyond, and maintained a calm and steadfast demeanor in times of uncertainty; and

WHEREAS, he supported the love of learning and has been a respected mentor to many in the intricacies of politics and policy.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Visitors recognizes Ralph M. Byers for his distinguished service to the university with the title of Executive Director Emeritus of Government Relations.

RECOMMENDATION:

That the above resolution recommending Ralph M. Byers for emeritus status be approved.

September 15, 2014.

RESOLUTION FOR EMERITUS STATUS

WHEREAS, beginning in 1971 and continuing for 43 years, John F. Moore faithfully served Virginia Tech as a visionary leader in a variety of positions within Technology-enhanced Learning and Online Strategies (TLOS) and TLOS' previous organizational incarnations; and

WHEREAS, he founded and led for 14 years the award winning Faculty Development Institute creating and supporting robust environments for teaching, learning, and discovery for faculty and students that are grounded in sound principles of learning, and in a thorough knowledge of integrating technology for effectiveness and efficiency; and

WHEREAS, he implemented a number of crucial technologies, systems, and services at Virginia Tech, including transitioning the institution to Scholar, as its learning management system; serving as an early pioneer in investigating and launching distance education at Virginia Tech through interactive, televised courses offered via satellite; planning and implementing the introduction of university-wide web collaboration and lecture capture systems; and leading initiatives in ePortfolios and online learning; and

WHEREAS, he played an instrumental role in the combining of the Learning Technologies, Digital Media Services, and the Institute for Distance and Distributed Learning units into the new Technology-enhanced Learning & Online Strategies organization, which is designed to collaborate with colleges and departments on advancing technology-enhanced learning by incentivizing and supporting highly effective distance learning programs, online content for on-campus courses, and hybrid courses; and

WHEREAS, he was awarded or served on a number of competitive grants, including serving as co-director of the Sloan Foundation-funded ACCESS project to study the effects of asynchronous learning on students and faculty and directing a Mellon Foundation grant on collaborative technology; and

WHEREAS, he has been a prominent member of his field, authoring or presenting more than 94 publications, technical reports, conference presentations, and workshops; engaging in a wide variety of professional service activities in the field of learning technologies and for the State Council for Higher Education in Virginia; and receiving multiple prestigious awards including the President's Award for Excellence; and

WHEREAS, he engaged in outstanding service to students through his work as an affiliate associate professor in Instructional Design and Technology; his service on 12 doctoral and seven masters committees; his supervision of graduate student internships and independent studies; and his course offerings on educational technologies;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Visitors recognizes John F. Moore for his distinguished service to the university with the title Managing Director Emeritus of Technology-enhanced Learning and Online Strategies.

RECOMMENDATION:

That the above resolution recommending John F. Moore for emeritus status be approved.

September 15, 2014

RESOLUTION FOR EMERITUS STATUS

WHEREAS, beginning in 1974 and continuing for 40 years, Dr. Charles W. Steger, Jr. served his alma mater with distinction, first as a faculty member, then as program chair, Dean of the College of Architecture and Urban Studies (CAUS) (1981-1993), Acting Vice President for Public Service (1990-1993), Vice President for Development and University Relations (1993-2000), and ultimately as President of the university (2000-2014); and

WHEREAS, Dr. Steger led Virginia Tech with boundless energy for more than 14 years as its 15th president, outlining and implementing a bold vision commensurate with standards of global excellence—with students always at the center—and vaulting the university to new levels of prominence among the nation's leading research universities; and

WHEREAS, his presidency was one of the longest and most impactful in Virginia Tech history. Graduate and undergraduate enrollment as well as the student quality profile reached all-time highs. Nearly 107,000 degrees were awarded. He strengthened the research enterprise by creating interdisciplinary institutes and grew annual research expenditures more than 300 percent. He oversaw the creation of the Virginia Tech Carilion School of Medicine and Research Institute and concluded the largest fund raising campaign in the history of the university exceeding $1.1 billion; and

WHEREAS, an architect of growth, Steger oversaw the largest expansion of the physical plant in university history by adding more than 2.5 million square feet of buildings during his presidency; and

WHEREAS, a champion of the arts, Steger was the driving force behind the Moss Center for the Arts and created the Steger Prize for Poetry; and

WHEREAS, among the highlights of his presidency were the university's adoption of A Plan for a New Horizon: Envisioning Virginia Tech 2012-18; the Principles of Community (2005), and the VT Climate Action Commitment (2009), and the fulfillment of Virginia Tech's 50-year-old dream to join the Atlantic Coast Conference (2003); and

WHEREAS, when Virginia Tech was visited by unprecedented tragedy in 2007, President Steger led the university through an extended recovery with his strong, composed, steady, and compassionate leadership, for which he received the Chief Executive Leadership Award from the Council for the Advancement and Support of Education (CASE), District III in 2009; and

WHEREAS, Charles Steger received his Bachelor of Architecture Degree (1970), Master of Architecture Degree (1971), and Ph.D. in Environmental Science and Engineering (1978) from Virginia Tech; and after leaving Virginia Tech in 1971 to pursue a career in the private sector, his passion for teaching brought him back to the university to join the faculty of architecture. He subsequently earned two teaching awards, authored a portion of a textbook, and was promoted to full professor in 1993; and

WHEREAS, when he was appointed Dean of CAUS at the age of 33, he was the youngest dean of architecture in the country; and for his contributions to the field of architectural education, he was later elected to the College of Fellows of the American Institute of Architects (1990), and subsequently received the Distinguished Achievement Award from the Virginia Society AIA in 1996; and

WHEREAS, in tribute to his long dedication to international scholarship, he received the 2010 Michael P. Malone International Leadership Award from the Association of Public and Land-grant Universities; and in 2014, the Board of Visitors and Virginia Tech Foundation jointly named Virginia Tech's Center for European Studies and Architecture in Riva San Vitale, Switzerland, "The Steger Center for International Scholarship"; and

WHEREAS, a recognized leader in higher education in the Commonwealth of Virginia, Dr. Steger's most notable contributions included his role in the passage of the Higher Education Restructuring Act, which took effect in 2006. Steger chaired the Virginia Council of Presidents for two terms and was appointed by five Virginia governors to boards dealing with higher education, homeland security, information technology, and international education; and

WHEREAS, to bring greater visibility to Virginia Tech at the state and national levels, President Steger served on a number of boards, some of which include the National Institute of Building Sciences, the boards that oversee the Center for Innovative Technology and the Jefferson National Lab, the Executive Committee of the Southeastern Universities Research Association, and the Northern Virginia Technology Council; and

WHEREAS, Dr. Steger leaves for future generations a land-grant university widely regarded for academic excellence nationally and abroad;

NOW, THEREFORE, BE IT RESOLVED that the Board of Visitors recognizes Charles W. Steger, Ph.D., FAIA for his extraordinary service to the university with the title President Emeritus.

RECOMMENDATION:

That the resolution recommending Dr. Charles W. Steger, Jr. for the distinction of President Emeritus be approved.

September 15, 2014

Summary

Endowed Chairs, Professorships, or Fellowships (10)

September 15, 2014

College of Architecture and Urban Studies

Christine M. Fiori   Preston and Catherine White Fellow

Andrew P. McCoy   Preston and Catherine White Fellow

James H. Yauger   Pulte Homes Professor of
Building Construction

College of Engineering

Yiwei Thomas Hou   Bradley Distinguished Professor of Electrical and
Computer Engineering

Christopher B. Williams   W. S. "Pete" White Chair for
Innovation in Engineering Education

Danfeng Yao   L-3 Communications Cyber Faculty Fellow

College of Natural Resources and Environment

Thomas R. Fox   Honorable Garland Gray Professorship
In Forestry

College of Science

Webster L. Santos   Cliff and Agnes Lilly Faculty Fellow

Pamplin College of Business

Debra A. Salbador   Martin Junior Faculty Fellow

Linda G. Wallace   Emery Fellow

ENDOWED FACULTY FELLOWSHIP
Preston and Catharine White Endowment for the
Myers-Lawson School of Construction

The Preston and Catharine White Endowment for the Myers-Lawson School of Construction was established by the generous gift of $1M by Preston and Catherine White. Virginia Tech's Myers-Lawson School of Construction is housed jointly in the College of Architecture and Urban Studies and the College of Engineering. The Preston and Catharine White Endowment for the Myers-Lawson School of Construction provides support for the position of director of the School of Construction. In addition, the fund agreement includes a provision that allows it to be used to award fellowships, as appropriate, to the associate or assistant directors of the school. At present, the director of the school holds the Ralph H. Bogle Jr. Professorship in Industrial and Systems Engineering, and is thus ineligible for the Preston and Catharine White Fellowship.

Jack Davis, dean of the College of Architecture and Urban Studies, and Richard Benson, dean of the College of Engineering, nominate Dr. Christine Fiori, as the Preston and Catharine White Fellow in the Myers-Lawson School of Construction based upon the recommendations of the school director, appropriate departments, and the promotion and tenure committee of the College of Architecture and Urban Studies. Due to her position as associate director of the Myers-Lawson School of Construction, Dr. Fiori is eligible and highly recommended for this prestigious fellowship.

Dr. Christine Fiori, professor of practice in the Myers-Lawson School of Construction has excelled at scholarship, research, teaching, service, and outreach at Virginia Tech. She coordinates an undergraduate degree program accredited by the Accreditation Board for Engineering and Technology (ABET). Dr. Fiori leads the school's focus on women in construction and her work in this area was recognized by the Virginia Tech Advancing Women Award. She leads multidisciplinary competition and service learning teams in both the College of Engineering and the College of Architecture and Urban Studies. She is a beloved administrator, teacher, and mentor.

Dr. Christine Fiori is known internationally for her research on the ancient Inca road in Peru. In 2013-2014, Dr. Fiori was featured in the Discovery Channel's "Strip the City" Machu Picchu episode. Inclusive of her administrative leadership, Dr. Fiori has excelled at the Myers-Lawson School of Construction in her production of research and scholarship.

The common theme for all that Dr. Fiori does is "engagement with purpose." From her stewardship of first year students in construction engineering and management, to her assistance with the peoples of Peru, Haiti, Guatemala, and Belize, she is an ambassador of Virginia Tech's Ut Prosim motto.

RECOMMENDATION:

That Christine Fiori, Ph.D. be appointed as the Preston and Catherine White Fellow in the Myers-Lawson School of Construction for a period of one year beginning August 10, 2014, with a salary supplement as provided by the endowment and, if available, with funds from the eminent scholars match program

September 15, 2014

ENDOWED FACULTY FELLOWSHIP
Preston and Catharine White Endowment for the
Myers-Lawson School of Construction

The Preston and Catharine White Endowment for the Myers-Lawson School of Construction was established by the generous gift of $1M by Preston and Catherine White. Virginia Tech's Myers-Lawson School of Construction is housed jointly in the College of Architecture and Urban Studies and the College of Engineering. The Preston and Catharine White Endowment for the Myers-Lawson School of Construction provides support for the position of director of the School of Construction. In addition, the fund agreement includes a provision that allows it to be used to award fellowships, as appropriate, to the associate and assistant directors of the school. At present, the director of the school holds the Ralph H. Bogle Jr. Professorship in Industrial and Systems Engineering, and is thus ineligible for the Preston and Catharine White Fellowship.

Jack Davis, dean of the College of Architecture and Urban Studies, and Richard Benson, dean of the College of Engineering, nominate Dr. Andrew McCoy, as the Preston and Catharine White Fellow in the Myers-Lawson School of Construction based upon the recommendations of the school director, appropriate departments, and the promotion and tenure committee of the College of Architecture and Urban Studies. Due to his position as assistant director of the Myers-Lawson School of Construction, Dr. McCoy is eligible and highly recommended for this prestigious fellowship.

Dr. Andrew McCoy, associate professor in the Myers-Lawson School of Construction, has excelled at scholarship, research, teaching, service, and outreach at Virginia Tech. He currently directs The Virginia Tech Center for Housing Research (VCHR), a center in the College of Architecture and Urban Studies that serves as the official housing research center for the Commonwealth of Virginia. He is co-principal investigator on a five-year National Institute for Occupational Safety and Health/Centers for Disease Control (NIOSH/CDC) research project, a joint venture between Virginia Tech and the Royal Melbourne Institute of Technology (Australia). Dr. McCoy advises the student Habitat for Humanity organization and has been recognized with several university awards including a University Certificate for Teaching Excellence, the Alumni Excellence in Outreach Awards, and the XCaliber Award (team).

RECOMMENDATION:

That Andrew McCoy, Ph.D. be appointed as the Preston and Catherine White Fellow in the Myers-Lawson School of Construction effective for a period of one year beginning August 10, 2014, with a salary supplement as provided by the endowment and, if available, with funds from the eminent scholars match program.

September 15, 2014

ENDOWED PROFESSORSHIP
Pulte Homes Professorship

The Pulte Homes Professorship was established by the generous gift of Pulte Homes. Jack Davis dean of the College of Architecture and Urban Studies has nominated James Yauger as the Pulte Homes Professor of Practice, based on the recommendations of the Department of Building Construction and the promotion and tenure committee in the College of Architecture and Urban Studies.

James Yauger has a lifetime of leadership experience. As president of Faulkner Construction Company, he was responsible for all operations within the company, including program management, administration, and corporate development. He participated in construction projects from inception through completion, acting primarily as operations manager and client liaison.

DPR Construction Company, Inc. was started in 1990 by Doug Woods, Peter Nosler, and Ron Davidowski (DPR) and in 1994, James joined the company. He opened offices in Austin, Texas and Phoenix, Arizona for DPR Construction. When each office became established to stand alone, a regional manager was assigned to Phoenix and Jim continued as the regional manager of the Texas office. He relocated to DPR as Operations Manager to Mid-Atlantic to further growth in Virginia, Maryland, New Jersey, and Washington D.C.

James Yauger has years of service to community and professional organizations, and construction experience in the commercial building industry. He is well versed in legal and legislative issues affecting the industry on local, state, and national levels. He served as president (1987 and 1988) to the Austin Chapter, Associated General Contractors of America (AGC). He has served on numerous AGC committees, as well as local boards and commissions concerned with planning, construction design, and development codes and standards. He was appointed to the Active/Associate Relations-Commercial Building Industry Council (CBIC), Legislative Committee, and the Student Chapter Coordinating Committee of the Austin Chapter AGC.

Mr. Yauger served as a state director of the Texas Building Branch/Associated General Contractors of America. He also served on the national level, as a member of both the Collective Bargaining and the Building Codes and Permits Committees of the AGC.

His experience is of great value to the students in his building construction class and as a mentor to the next generation of builders and managers in the construction industry.

RECOMMENDATION:

That James Yauger be appointed to the Pulte Homes Professor of Practice Professorship in Building Construction for a period of two years beginning August 10, 2014, with a salary supplement as provided by the endowment and, if available, with funds from the eminent scholar match program.

September 15, 2014

ENDOWED PROFESSORSHIP
BRADLEY DISTINGUISHED PROFESSOR OF ELECTRICAL AND COMPUTER ENGINEERING

In concurrence with the recommendations of the honorifics committees of the Bradley Department of Electrical and Computer Engineering and the College of Engineering, Dean Richard Benson nominates Dr. Yiwei Thomas Hou to hold the Bradley Distinguished Professor of Electrical and Computer Engineering.

Dr. Hou earned the Ph.D. from Polytechnic Institute of New York University (formerly Polytechnic University) in 1998 and the M.S. in 1993 from Columbia University. He received the B.E. in 1991 from City College of New York. He joined the Bradley Department of Electrical and Computer Engineering in 2002 as an assistant professor. He received tenure in 2007 and was promoted to the rank of full professor in 2012. Prior to his appointment at Virginia Tech, he worked at Fujitsu Laboratories of America (1997-2002).

Dr. Hou is a nationally and internationally recognized faculty member who brings significant visibility to Virginia Tech. He has done pioneering work on developing innovative solutions to complex problems in network systems. Over the years, Dr. Hou has made significant contributions to several key areas in networking, including video streaming, Internet quality-of-service, wireless sensor networks, and cross-layer optimization for wireless networks. At Virginia Tech, he co-directs the Complex Networks and Security Research Laboratory.

Dr. Hou is a truly remarkable scholar, having published two textbooks, seven book chapters, 87 journal papers, nine magazine papers, and 114 conference papers. His work has made significant impact on the networking research community and has collectively been cited over 8,100 times. His h-index is 44, placing him among the most influential networking researchers in the world. Dr. Hou's work was recognized with five Best Paper Awards and a Best Paper Runner-up Award from the IEEE and a Distinguished Paper Award from the ACM. Among these paper awards are the highly prestigious 2001 IEEE Transactions on Circuits and Systems for Video Technology Best Paper Award, 2002 IEEE International Conference on Network Protocols Best Paper Award, and 2008 IEEE INFOCOM Best Paper Award. He holds five US patents.

Dr. Hou has been a principal investigator of 19 projects and co-principal investigator of nine projects totaling $13.7M with a personal share over $5M. Most of his funding came through highly competitive programs from the National Science Foundation (NSF) and the Office of Naval Research (ONR). He was awarded the prestigious ONR Young Investigator Award in 2003 and an NSF CAREER Award in 2004 for his pioneering research in wireless ad hoc and sensor networks.

Dr. Hou is a dedicated and effective educator and mentor. He teaches courses in network architectures and protocols, multimedia networking, and advanced foundations of networking. He has advised six M.S. and six Ph.D. students to completion. He has supervised eight postdoctoral researchers. He is currently advising six Ph.D. students and supervising a postdoctoral researcher.

Dr. Hou has received numerous external and internal honors that recognize his success as a researcher and educator. He was named an IEEE Fellow in 2014 for "contributions to modeling and optimization of wireless networks." Within Virginia Tech, Dr. Hou was presented with the Dean's Award for Research Excellence in 2013 and a College of Engineering Faculty Fellow Award in 2008.

Dr. Hou's service record is equally impressive. He is currently the Steering Committee Chair of the IEEE INFOCOM conference. IEEE INFOCOM is the largest conference on computer networking, being ranked as the number one conference in computer networks and wireless communications by Google Scholar as well as the number one conference among top conferences in computer science by Microsoft Academic Research. In addition, Dr. Hou currently serves as an Area Editor of IEEE Transactions on Wireless Communications (overseeing a team of 11 editors in the wireless networks

area), an Associate Editor of IEEE Transactions on Mobile Computing, an Editor of IEEE Journal on Selected Areas in Communications (Cognitive Radio Series). He was a past Technical Editor of IEEE Wireless Communications and a past Associate Editor of IEEE Transactions on Vehicular Technology. Dr. Hou chaired the NSF Workshop on Bridging the Gap between Wireless Networking Technologies and Advances at the Physical Layer in 2007 and served as a Technical Program Co-Chair of the IEEE INFOCOM 2009 conference. His leadership in the professional community has brought significant visibility to Virginia Tech.

RECOMMENDATION:

That Dr. Yiwei Thomas Hou be appointed the Bradley Distinguished Professor of Electrical and Computer Engineering for a renewable five-year term effective September 10, 2014, with a salary supplement as provided by the endowment and the eminent scholar match if available.

September 15, 2014

ENDOWED PROFESSORSHIP
W. S. "Pete" White Chair for Innovation in Engineering Education

The W. S. "Pete" White Chair for Innovation in Engineering Education was established by the generous gift of $500,000 by American Electric Power. The creation of this chair, in honor of Pete White (EE '48), enables Virginia Tech to generate new interest in the teaching of engineering and in improving the learning process. It is unique in its flexibility - the chair is rotated biennially to a new recipient. Richard Benson, dean of the College of Engineering, has nominated Dr. Christopher B. Williams, Ph.D. as the W.S. "Pete" White Chair, based on the recommendations of the Department of Engineering Education, Department of Mechanical Engineering, and the College of Engineering's honorifics committee.

Dr. Christopher Williams, Ph.D. has excelled at scholarship, teaching, service, and outreach at Virginia Tech. Through his innovative teaching methods that make use of interactive classroom instruction technologies combined with hands-on learning experiences, he has impacted hundreds of engineering students. He has been instrumental in integrating 3D printing or additive manufacturing into the College of Engineering curriculum through mentoring senior capstone design projects in product design, and by teaching courses on 3D printing open to both undergraduate and graduate students. The course engages students in the science of 3D printing through project-based pedagogy. Dr. Williams has also been very effective in promoting 3D printing outside the classroom as well. His Dream Vendor initiative provides students free open-access to 3D printing. This has engaged a multitude of students in hands-on extracurricular design and manufacturing activities.

He has excelled at leveraging his pedagogical innovations with research and scholarship. He has obtained external grants worth $1.86M, out of which three were funded within National Science Foundation's "Transforming Undergraduate Education in Science, Technology, Engineering and Mathematics" program. On a multi-university collaborative project, Dr. Williams has led the infusion of additional "product dissection" activities into the Introduction to Mechanical Engineering Design (ME 2024) curriculum by which students get hands-on experience in applying their knowledge of product design by taking apart products. Dr. Williams is primary investigator on a Research Experience for Teachers (RET) grant which is focused on providing K-12 Science Technology Engineering and Mathematics (STEM) teachers experiences in conducting advanced manufacturing research. He has teamed with professor Tom to integrate Challenge Based Workshops into the Heat Transfer Curriculum in learning the theory of heat transfer sensors.

Engaging students in service learning projects is a common theme in Dr. Williams's teaching; his work the "Real Outreach eXperiences In Engineering" (ROXIE) program engaged over 2,400 first-year students in designing solutions to problems encountered by local non-profit agencies. Dr. Williams and his team received the 2009 Dean's Outreach Excellence Award for this effort. Another noteworthy example, students in his Exploration of Engineering Design (ENGE 1114) class were assigned to design a low cost hand prosthesis working with a recent amputee. Dr. Christopher Williams, Ph.D. through his scholarship has made outstanding contributions to Virginia Tech, to the Commonwealth of Virginia, and to the nation by his innovative teaching methods and his service and outreach to the community.

RECOMMENDATION:

That Christopher Williams, Ph.D. be appointed to the W.S. "Pete" White Chair for Innovation in Engineering Education effective for a period of two years beginning August 10, 2014, with a salary supplement as provided by the endowment and if, available, with funds from the eminent scholars match program.

September 15, 2014

ENDOWED FELLOWSHIP
L-3 Communications Cyber Faculty Fellowship

Recognizing the continuing need for faculty fellowships and the ongoing need for endowments in the support of the College of Engineering at Virginia Tech, L-3 Services, Inc., established funding for the L-3 Communications Cyber Faculty Fellowship.

Richard Benson, dean of the College of Engineering has nominated associate professor Danfeng Yao, Ph.D. to the L-3 Communications Cyber Faculty Fellowship, concurring with the recommendations of Dr. Barbara Ryder, head of the Department of Computer Science, the Department of Computer Science honorifics committee, and the College of Engineering honorifics committee. Dr. Yao is well-qualified because she meets the criteria of the recipient to conduct research in securing complex computer programs in critical environments by using program behavior analysis and malware detection, in ensuring the integrity of networked systems by using traffic anomaly detection and reasoning, and in preserving the confidentiality of sensitive data by using data exfiltration detection.

Dr. Yao has broad experience working with system, network, and program security. She has managed major federal research and development projects, has published high-impact award-winning research papers, has patented several security technologies, and has been involved in top computer security conferences and journals. Her research has also been reported by the popular news media.

Dr. Yao earned a Ph.D. in computer science from Brown University in 2007. She received a M.S. in computer science from Indiana University, Bloomington in 2002, a M.A. in chemistry from Princeton University in 2000, and B.S. in chemistry from Peking University in 1998. She joined the Department of Computer Science at Virginia Tech in 2010 as a tenure-track assistant professor. Prior to that, in 2008-2009, she was a tenure-track assistant professor in the department of computer science at Rutgers University. In 2007, she was a visiting scholar at Purdue University's *Center for Education and Research in Information Assurance and Security (CERIAS).*

Dr. Yao is an extremely active, outstanding researcher. Her current publication record includes 11 refereed journal publications, 42 refereed conference and workshop publications, and two book chapters. She has served as a program committee member for top security conferences, and was recently selected to become an associate editor of the prestigious journal *IEEE Transactions on Secure and Dependable Computing*. She has secured a high level of sponsored research funding to support her research. She is either a principal investor or co-principal investigator on $2M in sponsored research with a $1.5M personal share.

RECOMMENDATION:

That Denfang Yao, Ph.D. be appointed the L-3 Communications Cyber Faculty Fellow of Computer Science for a period of five years beginning August 10, 2014, with a salary supplement as provided by the L-3 endowment and, if available, with funds from the eminent scholar match program.

September 15, 2014

ENDOWED PROFESSORSHIP
Honorable Garland Gray Professorship

The Honorable Garland Gray Professorship in forestry was established by the generous gift of the late Senator Elmon T. Gray. The creation of this professorship enables the Department of Forest Resources and Environmental Conservation to maintain and advance leading forestry education, research and engagement in forestry throughout the Commonwealth of Virginia, the nation and the world. Dean Paul Winistorfer has nominated Thomas R. Fox, Ph.D. as the Honorable Garland Gray Professor, based on the recommendations of the College of Natural Resources and Environment honorifics committee.

Thomas R. Fox, Ph.D. has excelled at scholarship, teaching, service, and outreach while at Virginia Tech, bringing worldwide attention to his work in sustainable management of forest plantations in North and South America. He is recognized as a global expert in plantation forest management and carries the distinction of Fellow in the Society of American Foresters and the Soil Science Society of America. He was also a Fulbright Scholar in Chile.

He has excelled in the research arena, making scholarly contributions to plantation forestry scholarship. He has obtained more than $38M to support his research program and graduate students. He is co-director of the largest forestry plantation research cooperative in the world and serves as site director for the National Science Foundation Center for Advanced Forestry Systems.

Thomas R. Fox, Ph.D. has directed 29 graduate students and supervised six postdoctoral fellows. He has published over 75 peer-reviewed articles and book chapters with high citation rates. He is author of one of the top 100 most cited papers ever published by the Soil Science Society of America Journal.

Dr. Fox has taught thousands of students, landowners, researchers, and representatives from governmental, non-governmental, and private organizations.

Thomas R. Fox, through his scholarship in forestry and in the field forest plantation management, has made outstanding contributions to Virginia Tech, to the Commonwealth of Virginia and to the nation by his leadership and innovation in teaching, research, and engagement.

RECOMMENDATION:

That Thomas R. Fox, Ph.D. be appointed to the Honorable Garland Gray Professorship in Forestry beginning August 10, 2014, with a salary supplement as provided by the endowment and, if available, with funds from the eminent scholars match program.

September 15, 2014

ENDOWED FELLOWSHIP
Cliff and Agnes Lilly Faculty Fellowship

Recognizing the continuing need for support and recognition of faculty at Virginia Tech, Agnes Lilly established the Cliff and Agnes Lilly Faculty Fellowship. The Fellowship shall provide annual support for faculty who are involved with the Institute for Advanced Study in the College of Science and shall be awarded upon recommendation of the dean of the College of Science. The recipient shall hold the Fellowship for a period of three years with possible renewals.

Lay Nam Chang, dean of the College of Science, has nominated Webster L. Santos, Ph.D. associate professor of chemistry, to this endowed fellowship, concurring with the recommendation of the College of Science honorifics committee.

Webster Santos received a Ph.D. in chemistry from the University of Virginia in 2002. He was a postdoctoral fellow at Harvard University from 2002-2006, funded by a Ruth L. Kirschstein National Research Service Award from the National Institutes of Health. He joined the faculty at Virginia Tech as a tenure-track assistant professor in 2006. In 2013, he was promoted to associate professor with tenure.

Dr. Santos is an expert in drug discovery and has a strong interest in drug development. His research is currently focused on the development of new drugs for cancer therapy. His work has implications for patients with three common cancers: breast, ovarian, and prostate. One of the major goals of his research program is to discover drugs that can be brought to market to benefit society.

Webster Santos has received seven issued and pending patents with Virginia Tech Intellectual Property. He has 42 published papers in peer-reviewed journals, and three others submitted or in preparation. He has generous grant funding from the National Institutes of Health to support his drug discovery research, support from the National Science Foundation, and the International Union of Pure and Applied Chemistry support fundamental research on synthetic methods, and has an active laboratory that involves undergraduate, graduate, and postdoctoral students in chemistry.

RECOMMENDATION:

That Webster Santos, Ph.D. be appointed the Cliff and Agnes Lilly Faculty Fellow for a period of three years beginning August 10, 2014, with operating support as provided by the endowment and, if available, with funds from the eminent scholars match program.

September 15, 2014

ENDOWED FELLOWSHIP
Darrell D. and Betty R. Martin Junior Faculty Fellowship
in Accounting and Information Systems

The Darrell D. and Betty R. Martin Junior Faculty Fellowship in Accounting and Information Systems was established by a gift from Darrell D. '72 and Betty R. Martin. Darrell has been a longtime supporter of the department. Reza Barkhi, Ph.D. head of the Department of Accounting and Information Systems, nominates Debra A. Salbador, Ph.D. with the recommendation of the Accounting and Information Systems honorifics committee to serve as the Darrell D. and Betty R. Martin Junior Faculty Fellow of Accounting and Information Systems.

Debra Salbador is an associate professor of accounting and information systems. She joined the department in 1994 and was promoted to associate professor in 2000. She received her Ph.D. from the University of South Carolina with a major in accounting. Professor Salbador has taught a variety of accounting and tax courses. She has chaired four dissertation committees and works very well with Ph.D. students.

She has published many refereed journal articles, has served as Klynveld Peat Manwick Goerdeler firm (KPMG) Faculty in Residence, and contributes significantly to practice, as well as research. Professor Salbador is one of the best teachers in the department. She has received many departmental and college teaching awards.

RECOMMENDATION:

That Debra A. Salbador, Ph.D. be appointed the Martin Junior Faculty Fellow for a period of three years beginning August 10, 2014, with a salary supplement as provided by the endowment and, if available, with funds from the eminent scholars match program.

September 15, 2014

ENDOWED FACULTY FELLOWSHIP
John and Angela Emery Junior Faculty Fellowship
in Accounting and Information Systems

The John and Angela Emery Junior Faculty Fellowship in Accounting and Information Systems was established by a gift from John '86 and Angela Emery '86. John has been a longtime supporter of the department and the college. He serves on the Accounting Advisory Board and the Pamplin Advisory Council. Dr. Reza Barkhi, head of the Department of Accounting and Information Systems, has nominated Dr. Linda G. Wallace with the recommendation of the Accounting and Information Systems Honorifics Committee to serve as the John and Angela Emery Junior Faculty Fellow of Accounting and Information Systems.

Linda Wallace, Ph.D. joined the department in 1999 as an assistant professor. She received her Ph.D. from Georgia State University in Computer Information Systems. She also holds an undergraduate degree in accounting. Professor Wallace has taught many different courses for the department, but has most recently been involved in teaching Accounting Systems and Controls and Information Systems Security and Assurance. Accounting Systems and Controls is a course taken by all undergraduate majors in their junior year. Systems Security and Assurance is taken by all master's students in the audit option. She has also served on five Ph.D. committees, two for the department, one in Business Information Technology, and two in Computer Science. Professor Wallace is chair of the Master's Committee. The department has 86 master's students. She has been active in helping the department develop its measures of Assurance of Learning for Association to Advance Collegiate Schools of Business accreditation.

Professor Wallace has published 18 papers and has another two under review at this time. She has had her research presented at five different national/international conferences and has been a reviewer for many of the leading journals in Information Systems.

RECOMMENDATION:

That Linda Wallace, Ph.D. be reappointed as the Emery Fellow, for a period of three years beginning August 10, 2014 with a salary supplement as provided by the endowment and, if available, with funds from the eminent scholars match program.

September 15, 2014

Summary

EXCEPTION TO THE VIRGINIA CONFLICT OF INTEREST ACT (2)

September 15, 2014

<u>College of Liberal Arts and Human Sciences</u>

Timothy Parrish   Department of English

Laura Prouty Sands   Department of Human Development,
                              Center for Gerontology

EXCEPTION TO THE VIRGINIA CONFLICT OF INTEREST ACT

WHEREAS, the Code of Virginia section 2.1-639.6 prohibits the control over the employment of an immediate family member; and,

WHEREAS, exceptions are provided under the following conditions:

"*The personal interest of an officer or employee of a state institution of higher education in additional contracts of employment with his own governmental agency which accrue to him because of a member of his immediate family, provided (i) the officer or employee and the immediate family member are engaged in teaching, research or administrative support positions at the educational institution, (ii) the governing board of the educational institution finds that it is in the best interests of the institution and the Commonwealth for such dual employment to exist, and (iii) after such finding, the board ensures that the officer or employee, or the immediate family member, does not supervise, evaluate, or otherwise participate in personnel decisions regarding the other."*; and,

WHEREAS, Dr. Timothy Parrish will serve as professor in the Department of English in the College of Liberal Arts and Human Sciences, and his spouse, Dr. Elizabeth Spiller is serving as dean of the College of Liberal Arts and Human Sciences; and

WHEREAS, the Senior Vice President and Provost has recommended alternative evaluation procedures so that Dr. Spiller will not participate in, nor have influence over, decisions related to her spouse's annual evaluation, recommendation for merit increase, or other personnel related decisions;

NOW, THEREFORE BE IT RESOLVED, that Dr. Timothy Parrish will be evaluated using the department's usual process, overseen by the department head and, that Dr. Parrish's final evaluation will be reviewed and approved by the Senior Vice President and Provost; and

FURTHER BE IT RESOLVED, that an exception to the Conflict of Interest Act be granted by the Board of Visitors as provided by the Code of Virginia with appropriate safeguards for the fair evaluation of Dr. Parrish by persons other than his spouse, under oversight of the Senior Vice President and Provost.

RECOMMENDATION:

That an exception to the Conflict of Interest Act be granted by the Board of Visitors as provided by the Code of Virginia with appropriate safeguards for the fair evaluation of Dr. Parrish during the time in which his spouse serves as dean.

September 15, 2014

EXCEPTION TO THE VIRGINIA CONFLICT OF INTEREST ACT

WHEREAS, the Code of Virginia section 2.1-639.6 prohibits the control over the employment of an immediate family member; and,

WHEREAS, exceptions are provided under the following conditions:

"*The personal interest of an officer or employee of a state institution of higher education in additional contracts of employment with his own governmental agency which accrue to him because of a member of his immediate family, provided (i) the officer or employee and the immediate family member are engaged in teaching, research or administrative support positions at the educational institution, (ii) the governing board of the educational institution finds that it is in the best interests of the institution and the Commonwealth for such dual employment to exist, and (iii) after such finding, the board ensures that the officer or employee, or the immediate family member, does not supervise, evaluate, or otherwise participate in personnel decisions regarding the other.*"; and,

WHEREAS, Dr. Laura Prouty Sands will serve as professor in the Center for Gerontology and in the Department of Human Development in the College of Liberal Arts and Human Sciences, and

WHEREAS, the Senior Vice President and Provost has recommended alternative evaluation procedures so that Dr. Timothy Sands will not participate in, nor have influence over, decisions related to his spouse's annual evaluation, recommendation for merit increase, or other personnel related decisions;

NOW, THEREFORE BE IT RESOLVED, that Dr. Laura Prouty Sands will be evaluated using the department's, center's, and college's usual processes, and, that Dr. Prouty Sands' final evaluation will be reviewed and approved by the Senior Vice President and Provost; and

FURTHER BE IT RESOLVED, that an exception to the Conflict of Interest Act be granted by the Board of Visitors as provided by the Code of Virginia with appropriate safeguards for the fair evaluation of Dr. Prouty Sands by persons other than her spouse, under oversight of the Senior Vice President and Provost.

RECOMMENDATION:

That an exception to the Conflict of Interest Act be granted by the Board of Visitors as provided by the Code of Virginia with appropriate safeguards for the fair evaluation of Dr. Prouty Sands during the time in which her spouse serves as president of the university.

September 15, 2014

Faculty Personnel Changes Report

**ACADEMIC AFFAIRS COMMITTEE
AND
FINANCE AND AUDIT COMMITTEE**

Quarter ending June 30, 2014

The Faculty Personnel Changes Report includes new appointments and adjustments in salaries for the general faculty, including teaching and research faculty in the colleges, and for administrative and professional faculty that support the university including the library, extension, academic support, athletics, and administration. The report is organized by senior management area (college or vice presidential area).

Since the last Board meeting, the university has made the following faculty personnel appointments and salary adjustments:

Teaching and Research Faculty
    New Appointments with Tenure or Continued Appointment   5
    New Appointments to Tenure-Track or Continued Appointment-Track 19
    New Appointments to Non-Tenure Track   0

    Adjustments in Salary   8

Administrative and Professional Faculty
    New Appointments   3

    Adjustments in Salary   33
    One-time payments   4
    One-time payments for Post-Season Sports Events   5

RECOMMENDATION:

That the Board ratify the Faculty Personnel Changes Report

September 15, 2014

FACULTY PERSONNEL CHANGES
September 15, 2014

TEACHING AND RESEARCH FACULTY

NEW APPOINTMENTS

NAME	TITLE	DEPARTMENT	REG or RSTR	MONTHS	EFF DATE	% APPT	ANNUAL RATE BASE	ANNUAL RATE ONE-TIME
Agriculture & Life Sciences								
Bombarely Gomez, Aureilano	Assistant Professor	Horticulture	Reg	9	10-Aug-14	100	$ 77,000	
Daniels, Kristy Marie	Assistant Professor	Dairy Science	Reg	9	10-Aug-14	100	$ 92,000	
Langston, David	Professor - Tenured	Tidewater AREC	Reg	12	10-Aug-14	100	$ 122,000	
Li, Song	Assistant Professor	Crop & Soil Environmental Sciences	Reg	9	10-Aug-14	100	$ 80,000	
Slade, Daniel	Assistant Professor	Biochemistry	Reg	9	10-Aug-14	100	$ 75,000	
Engineering								
Chen, Xi	Assistant Professor	Industrial and Systems Engineering	Reg	12	2-Jun-14	100	$ 89,000	
Foster, E. Johan	Associate Professor	Materials Science & Engineering	Reg	9	10-Aug-14	100	$ 94,000	
Heaslip, Kevin	Associate Professor	Civil and Environmental Engineering	Reg	9	10-Aug-14	100	$ 97,000	
Mirzaeifar, Reza	Assistant Professor	Mechanical Engineering	Reg	9	10-Aug-14	100	$ 94,000	
Qiao, Rui	Associate Professor - Tenured	Mechanical Engineering	Reg	9	10-Aug-14	100	$ 116,000	
Raghvendra, Sharath	Assistant Professor	Computer Science	Reg	9	10-Aug-14	100	$ 92,000	
Reid, Kenneth	Associate Professor - Tenured	Engineering Education	Reg	9	10-Aug-14	100	$ 97,000	
Riley, Donna	Professor - Tenured	Engineering Education	Reg	9	10-Aug-14	100	$ 110,000	
Rowson, Steven	Assistant Professor	Biomedical Engineering and Sciences	Reg	9	10-Aug-14	100	$ 92,000	
Tian, Zhiting	Assistant Professor	Mechanical Engineering	Reg	9	10-Aug-14	100	$ 93,000	
Xin, Hongliang	Assistant Professor	Chemical Engineering	Reg	9	10-Aug-14	100	$ 93,000	
Ziotopoulou, Aikaterini	Assistant Professor	Civil and Environmental Engineering	Reg	9	10-Aug-14	100	$ 88,000	
Zuo, Lei	Associate Professor - Tenured	Mechanical Engineering	Reg	9	10-Aug-14	100	$ 130,000	
Liberal Arts and Human Sciences								
Dye, Charles	Assistant Professor	School of Performing Arts	Reg	9	10-Aug-14	100	$ 55,300	
Kalyan, Rohan	Assistant Professor	Political Science	Reg	9	10-Aug-14	100	$ 58,500	
Milteer, Warren	Assistant Professor	History	Reg	9	10-Aug-14	100	$ 59,000	
Thorsett, Brian	Assistant Professor	School of Performing Arts	Reg	9	10-Aug-14	100	$ 53,000	
Natural Resources								
Varner, J. Morgan	Assistant Professor	Forest Resources and Environmental Conservation	Reg	9	10-Aug-14	100	$ 77,500	
Vice President for Research								
Chappell, John	Assistant Professor	Virginia Tech Carilion Research Institute	Reg	12	1-Jul-14	100	$ 110,000	

TEACHING AND RESEARCH FACULTY

ADJUSTMENTS

| | | | | | CURRENT ACTION | | | |
| | | | | | EFF DATE | % APPT | ANNUAL RATE | |
NAME	TITLE	DEPARTMENT	REG or RSTR	MONTHS			BASE	ONE-TIME
Agriculture & Life Sciences								
Reiter, Mark	Associate Professor	Eastern Shore AREC	Reg	12	10-May-14	100	$ 94,915	
Rideout, Steven	Associate Professor	Eastern Shore AREC	Reg	12	10-May-14	100	$ 110,000	
Business								
Bagchi, Rajesh	Associate Professor	Marketing	Reg	9	25-Apr-14	100	$ 185,000	
McGehee, Nancy	Professor	Hospitality and Tourism Management	Reg	9	10-Apr-14	100	$ 141,364	
Engineering								
Duma, Stefan	Professor	Biomedical Engineering and Sciences	Reg	12	25-Jun-14	100	$ 350,000	
Hajj, Muhammad	Professor	Engineering Science and Mechanics	Reg	12	25-Jun-14	100	$ 185,000	
Tafti, Danesh	Professor	Mechanical Engineering	Reg	12	25-May-14	100	$ 240,853	
Science								
Ge, Suqin	Associate Professor	Economics	Reg	9	10-Apr-14	100	$ 116,000	

ADMINISTRATIVE AND PROFESSIONAL FACULTY

NEW APPOINTMENTS

NAME	TITLE	DEPARTMENT	REG or RSTR	MONTHS	EFF DATE	% APPT	ANNUAL RATE BASE	ONE-TIME
President								
Abbott, Russell	Assistant Women's Golf Coach	Athletics	Reg	12	2-Jun-14	100	$ 40,000	
Thomas, Steven	Director of Student Athlete Development, Men's Basketball	Athletics	Reg	12	23-Jun-14	100	$ 70,000	
Vice President for Administration								
Kiwus, Christopher	Associate Vice President and Chief Facilities Officer	Facilities Services	Reg	12	30-Jun-14	100	$ 220,000	

ADMINISTRATIVE AND PROFESSIONAL FACULTY

ADJUSTMENTS

NAME	TITLE	DEPARTMENT	REG or RSTR	MONTHS	CURRENT ACTION EFF DATE	% APPT	ANNUAL RATE BASE	ONE-TIME
President								
Babcock, Whit	Director of Athletics	Athletics	Reg	12	10-Jun-14	100		$ 10,000
Bell, Aaron	Assistant Swim Coach	Athletics	Reg	12	1-Jul-14	100	$ 57,320	
Brauns, Alfred	Associate Head Softball Coach	Athletics	Reg	12	10-Jun-14	100		$ 1,000
Burker, Megan	Head Lacrosse Coach	Athletics	Reg	12	1-Jul-14	100	$ 70,000	
Chew, Isaac	Assistant Men's Basketball Coach	Athletics	Reg	12	1-Jul-14	100	$ 260,000	
Cianelli, David	Director, Track/Field/Cross Country Programs	Athletics	Reg	12	1-Jul-14	100	$ 130,000	
Dresser, Kevin	Head Wrestling Coach	Athletics	Reg	12	1-Jul-14	100	$ 125,000	
					1-Jul-14			$ 15,000
Gray, Torrian	Assistant Football Coach	Athletics	Reg	12	1-Jul-14	100	$ 260,000	
Huss, Stephen	Assistant Men's Tennis Coach	Athletics	Reg	12	25-May-14	100		$ 1,000
Johnson, Devin	Men's Basketball Video Coordinator	Athletics	Reg	12	1-Jul-14	100	$ 60,000	
Johnson, James	Former Head Men's Basketball Coach	Athletics	Reg	12	1-May-14	100	$ 270,263	
Loeffler, Scott	Offensive Coordinator, Football	Athletics	Reg	12	1-Jul-14	100	$ 400,000	
Mason, Patrick	Head Baseball Coach	Athletics	Reg	12	1-Jul-14	100	$ 152,880	
Moorehead, Aaron	Assistant Football Coach	Athletics	Reg	12	1-Jul-14	100	$ 175,000	
O'Brien, Angela	Assistant Softball Coach	Athletics	Reg	12	10-Jun-14	100		$ 1,000
Piemonte, Ronald	Head Men's/Women's Diving Coach	Athletics	Reg	12	1-Jul-14	100	$ 65,000	
Reynolds, Jeffrey	Director of Men's Basketball Operations	Athletics	Reg	12	1-Jul-14	100	$ 130,000	
Robie, Anthony	Associate Head Wrestling Coach	Athletics	Reg	12	1-Jul-14	100	$ 73,000	
Roccaforte, Steven	Assistant Men's Basketball Coach	Athletics	Reg	12	1-Jul-14	100	$ 185,000	
Skinner, Ned	Director, Men's/Women's Swimming and Diving Program	Athletics	Reg	12	1-Jul-14	100	$ 100,000	
Steger, Charles	Immediate Past President	President	Reg	12	31-Aug-14			$ 63,394
Thomas, Nelson	Head Softball Coach	Athletics	Reg	12	10-Jun-14	100		$ 2,000
					1-Jul-14	100	$ 105,000	
Thompson, James	Head Men's Tennis Coach	Athletics	Reg	12	25-May-14	100		$ 2,000
					1-Jul-14	100	$ 80,000	
Williams, Brent	Head Men's Basketball Coach	Athletics	Reg	12	10-Jun-14	100		$ 30,000
Wolf, Lyle	Assistant to Head Men's Basketball	Athletics	Reg	12	1-Jul-14	100	$ 37,500	
Senior Vice President & Provost								
McIntyre, Christina	Interim Director	University Honors Program	Reg	12	25-May-14	100	$ 81,440	
McNamee, Mark	Senior Vice President & Provost	Senior Vice President & Provost	Reg	12	10-Jun-14	100	$ 398,214	
Swaby, Keri	University Undergraduate Research Coordinator	Undergraduate Research	Reg	12	1-Apr-14	100	$ 53,000	

continued
ADMINISTRATIVE AND PROFESSIONAL FACULTY

ADJUSTMENTS

NAME	TITLE	DEPARTMENT	REG or RSTR	MONTHS	CURRENT ACTION			
					EFF DATE	% APPT	ANNUAL RATE	
							BASE	ONE-TIME
Vice President for Administrative Services								
Hansen, Elizabeth	Assistant to the Deputy Chief Facilities Officer	Facilities Services - Finance	Reg	12	25-May-14	100	$ 80,000	
Kropff, Catherine	Director of Hokie Wellness	Human Resources	Reg	12	25-Jun-14	100	$ 78,793	
Vice President for Development & University Relations								
Hincker, Lawrence	Associate Vice President for University Relations	University Relations	Reg	12	10-Apr-14	100	$ 205,025	
Kauhane, Brianna	Director of Special Events and Donor Relations	University Development	Reg	12	10-Jun-14	100	$ 73,425	
Vice President for Finance & CFO								
Crotts, David	Senior IT Auditor	University Internal Audit	Reg	12	10-Apr-14	100	$ 77,000	
Vice President for Information Technology								
Johnson, Kara	Application Analyst	IT Management	Reg	12	21-Apr-14	100	$ 52,500	
Kelley, Cynthia	Director of Finance and Administration	Technology-enhanced Learning and Online Strategies	Reg	12	10-Jun-14	100	$ 80,000	
Kobezak, Philip	Senior IT Security Analyst	IT Security	Reg	12	10-Jun-14	100	$ 72,400	
Lang, Jeffry	IT Security Analyst	IT Security	Reg	12	10-Jun-14	100	$ 67,200	
Vice President for Outreach & International Affairs								
LoJacono, Mollie	Associate Director, International Support Services	International Support Services	Reg	12	10-Apr-14	100	$ 47,500	
Vice President for Research								
Lindstrom, Nicole	Lab Animal Vet Program Specialist	Animal Care	Reg	12	10-Jun-14	100	$ 65,240	

RESOLUTION REQUESTING THE ESTABLISHMENT OF AN OPERATING FUND IN THE VIRGINIA TECH FOUNDATION, INC.

WHEREAS, Dr. Charles Steger, in his capacity as President Emeritus, has agreed to undertake business and fundraising-related activities in support of the University's mission; and

WHEREAS, the Board of Visitors is desirous of supporting these activities through private financial support in the amount of $25,000 annually for a period of four years; and

WHEREAS, it is the desire of the Board of Visitors that the Virginia Tech Foundation, Inc. provide the financial support;

NOW, THEREFORE, be it resolved that the Board of Visitors hereby requests that the Virginia Tech Foundation, Inc. establish and fund an operating fund in the amount of $25,000 annually for four years beginning as soon as practicable to support the business and fundraising activities of President Emeritus Steger in support of the University's mission, subject to the standard Virginia Tech Foundation, Inc.'s expenditure rules and regulations.

RECOMMENDATION:

That the resolution requesting that the Virginia Tech Foundation, Inc. establish an operating fund in the amount of $25,000 be approved.

September 15, 2014

Board of Visitors Constituent Report

Austin Larrowe, Undergraduate Representative

September 15th, 2014

Good morning Rector Petrine, President Sands, distinguished members of the board, administration, and guests. Thank you again for your time and attention. It is a privilege to speak to you about the undergraduate climate and our respective needs.

First, it is important to note that since the last meeting of the board, we as the Hokie Nation, have approximately 6,400 new undergraduate Hokies on campus! 5,400 of which are new freshman and about 1,000 of which are transfer students. Of these new hokies, roughly 4,600 of them are Virginia residents, 1,370 or so come from other states and territories, and roughly 430 are international students.

When thinking about the impact these new Hokies will have on Blacksburg, the entire Virginia Tech community, and the world, I think we should all be excited! However, just as Brandon Busteed from Gallup mentioned yesterday, and as you all know, the university experience is about the combination of academics and other areas, such as the five key overall well-being components that Gallup has found to be strongly related to success later in life, which are: Purpose well-being, Social well-being, Financial well-being, Physical well-being, and Community well-being.

With this in mind, I would like to take just a couple moments to share how these five areas of well-being relate to the current undergraduate student experience at Virginia Tech:

First, I am excited that as you heard yesterday, Virginia Tech is the first university to partner with Gallup Inc. to make the Clifton StrengthsFinder assessment tool available to all students, faculty, and staff. With the launch of the Discovering Your Strengths Web portal this summer, anyone at Virginia Tech can take the assessment, identify their strengths, learn how to use them, and develop goals and action plans based on the results. This new free tool to students is helping them find **purpose** and focus on becoming the best that they can be.

Secondly, as progress to expand inclusion and diversity initiatives on campus continues to gain momentum, I am very excited about the President's Inclusion and Diversity Executive Council meeting on September 29th which is open to the entire Virginia Tech community and plans to advance and revitalize inclusion and diversity efforts and to expand and enhance the university's commitment to the values expressed in the Principles of Community. This new council and the addition of the position of Interim Vice Provost for Inclusion and Diversity, will help to continue to make the Virginia Tech community welcoming to all and make the region a hub for innovation and culture.

Those two new initiatives in combination with Gobblerfest, which was hosted on September 5th, by the Division of Student Affairs and connected thousands of

students with most of the over 700 registered student organizations on campus and offered them detailed information on how to join and get involved with each of these organizations is a critical step in building **social** and **community** well-being in students.

On top of all of that, Virginia Tech Dining Services has been recognized as having the "Best Campus Food" for the third time since 2008 in conjunction with Virginia Tech as a whole being ranked as having the 3rd most students who love their university, the 5th happiest students, and the 5th best quality of life.

Virginia Tech was also ranked as the most physically fit university in the country by activetimes last year, but nonetheless, there are still areas of improvement available for student **physical** well-being. A couple of these areas of improvement such as the constant battle against campus sexual assault, alcohol and drug abuse are already being addressed by the university in major ways, but have to remain on the universities radar due to their nature. One area that may be increasing physical well-being more than what is intended is parking for the Corps of cadets since they are currently still having to park in "the cage" lot on the far side of campus from the upper quad where they are housed.

It is also important to note that students have also been ecstatic about President's and Dr. Sands' overall involvement with the student body in their relatively short period of time on campus.

For that I thank you and your wife President Sands!

From attending Hokie Camp and Orientation, to interacting with and listening to students all across campus, to using Twitter to share ideas and important information, the Sands family is inspiring undergraduates to get speak up, to get involved, and to continue to "invent the future."

Lastly, I have been meeting with university administration, faculty, staff, undergraduate students, Ms. Ashley Francis, the graduate rep, the presidents of the Student Government Association and the Graduate Student Assembly, and the chairman of the Commission of Students Affairs to identify and address other student issues. If you ever have any questions, or if I can ever be of any assistance to the board in gathering student opinion or otherwise, please do not hesitate to let me know!

Thank you again for your time and dedication to Virginia Tech and the student experience. It truly makes a difference!

Constituency Report
Ashley Francis, Graduate Student Representative
Virginia Tech Board of Visitors
September 15, 2014

Good afternoon Rector Petrine, President Sands, members of the board, and distinguished guests. I would like to begin by thanking you for allowing me to represent my graduate student peers. I am honored to be in a room full of distinguished leaders, passionate about enhancing this great university.

First, I'd like to share a little about myself. I am originally from Franklin, VA and graduated from Virginia Tech in 2009 with a Bachelors in Human Nutrition, Foods and Exercise. I served two years as a Teach for America corps member, teaching high school sciences in North Carolina. After my commitment with the corps ended, I worked as a Health Educator and Outreach Coordinator for the Richmond City Health District. I also began pursuing a masters of public health at Virginia Commonwealth University before transferring back to the Institution that I love so much - Virginia Tech. Now, why did I bore you with my background? You could have just looked it up online, right? Well, I like many other graduate students, am not what one would call a traditional student. I have experience in the working world, am older than some of my peers, younger than others, and am financially independent. The issues that I face and that other graduate students face are often, but not always, dissimilar to those faced by undergraduates. We worry about health insurance, childcare, dental work, and financial stability, just to name a few.

My first goal this year is to effectively communicate to the board and administrators what the graduate experience here is like. In order to do this, I must be efficient and successful at engaging students in conversation. I have made a point to be present at numerous events across the university and have been incredibly impressed with how eager students are to engage. At this year's Graduate Student Assembly's Welcome Back Barbeque we had a record number in attendance. 1,000 graduate students (and President Sands and Dean DePauw) showed up for fellowship and food. To provide further context, we have about 5,000 graduate students here in Blacksburg – that means 1/5 of the local graduate population was at the event. I believe this is indicative of a great year and hope this momentum continues as understanding graduate student engagement is one of my priorities.

Like previous representatives, this year I plan to focus my efforts on affordable childcare. In order to do so, collectively we must all be aware that undergraduates, staff, faculty, and members of the Blacksburg community also struggle to find affordable childcare. It is our mission as a land grant institution to not only advocate for the good of our students, but also for our community. The Graduate School's new Childcare Coordinator, Ms. Marin Riegger, feels the same and has exciting proposals to bring this concept from ideation to fruition. I am thrilled to announce that with the complete support of the Graduate School, two initiatives

will be launched this January. They include a website and a short-term cooperative model. I would like to emphasize that while this is great news, there is still much work to be done. If we plan to accomplish strategic growth of the graduate student population by 1,000 highly-qualified students, we must have the University's support in order to create the infrastructure that will support students' long-term needs.

Two additional issues have emerged in my conversations with students. First, parking continues to be a primary concern. Students who have assistantships which require them to be instructors would prefer to receive special parking status as they are required to work the same office hours as many faculty and staff, yet have to park further from buildings. Many student instructors lug laptops, graded papers, lunch boxes, and personal belongings long distances from commuter/grad spaces to their classrooms. Additionally, parking spaces continue to be a premium and students have suggested that if strategic planning calls for parking to be pushed to the outskirts of campus, perhaps we should place emphasis on the branding of our campus and the messaging of green initiatives that make taking the bus, biking, or carpooling the social norm. A bike sharing model has been suggested. Students have also suggested parking models in which you can pay more to park in closer lots, and less to park in those further away. Overall, students understand that a safer campus will be created as parking moves further away – there is no pushback there. There is just a desire to understand the alternatives and potential impact this transition will have on all of us and our community.

The second emerging issue pertains to comprehensive fees. Students have vocalized concern over increasing fees, but more specifically, the lack of transparency regarding what each fee covers. Graduate students know and appreciate, very much, that the University has provided assistance to relieve the burden these increases have caused. However, we would like to better understand why the increase has occurred and what each fee covers. This vagueness can be improved with a simple change in website formatting; offering a link to resources that would help us to understand rather than speculate. As fellow adult consumers, students expect rising costs, but also expect an explanation for those costs.

In closing, one of the great things about graduate students is that while we love to identify and analyze problems, we are also passionate about generating solutions. We are happy to have representation in university governance and appreciate the uniqueness of our shared governance system. We love the sense of community that Virginia Tech offers and feel it is our duty to make this school the best it can be, Ut Prosim right? I speak for all graduate students when I say thank you for listening and I look forward to the work we will do together this coming year.

Staff Senate Constituency Report
Virginia Tech Board of Visitors
September 15, 2014
Presented by Dan Cook, Staff Senate President

Rector Petrine, members of the Board of Visitors, President Sands, administrators and distinguished guests: I would like to start by saying what an honor and privilege it is to be here with you today and to serve as the President of the Staff Senate. I am excited to see what the coming year will bring.

For staff members the summer months have been busy with a number of things: helping to set up for several different on-campus activities (numerous sport camps, academic camps and the like), as well as getting caught up (taking advantage of the time when student overhead is minimal). The latter part of the summer saw activities geared toward getting ready to welcome in the latest class of our great "Hokie Nation".

Over the summer, the staff of Va Tech was dealing with the issue of merit based pay raises. Dr. Hal Irvin, associate vice president of human resources was invited to our August Senate meeting to address these concerns. The issue was due to only University Staff being eligible, therefore locking out about 50 percent of staff. The senate executive board, as well as the staff senate worked closely with our Human Resources Department to get information out quickly and to help answer any questions that we could. There was a lot of frustration at first, and some did persist, but I feel it could have been a lot worse without the collaborative effort between us two. As of this writing, there were a little over 250 people that made the switch from classified staff to university staff, and about 50 that opted into AP Faculty.

There is some concern in the staff ranks about the recently announced 882 million dollar shortfall of Virginia's two-year budget. In the wake of several years of a "tightening of the belt", we will anxiously await to see the path that will be laid out. We will, of course, welcome any occasion to give input on any matters in which we could help.

Now that classes have resumed, the staff is settling in for what promises to be another exciting year. I appreciate the opportunity to speak to the Board on behalf of the staff of Virginia Tech and welcome any questions or comments that you may have.

Respectfully submitted,
Dan Cook
President, Staff Senate

Bernice L. Hausman
Diggs Professor in the Humanities
President of the Faculty Senate
Faculty Representative to the Board of Visitors

September 15, 2014

Good afternoon.

In 1929 Virginia Woolf published a book called *A Room of One's Own*. Written as a meditation on the relation of women to literature, Woolf examined the reasons why more women throughout history were not writers. The main reason, she found, is that women were poor. Women began to write when higher education was available to them and when they could earn their own livings, limit their offspring, and not be constantly responsive to others. What is needed for women to be artists, she wrote, is 500L a year and a room of one's own. The "five hundred a year stands for the power to contemplate, . . . a lock on the door means the power to think for oneself" (110).

Virginia Woolf would probably turn over in her grave at the analogy, but a room of one's own and 500L a year is an apt metaphor for what faculty at Virginia Tech seek today. To do our work, we need to be free from excessive external demands and we need the independence that not worrying about money comes from. As Woolf pointed out, "Intellectual freedom depends upon material things" (112).

The faculty would like the administration and the board to keep salary issues in the forefront, even as the university faces adverse circumstances with its budget. We are greatly appreciative of the president's comments that the administration intends to hold to the current salary plan. And yet even that plan is not sufficient. Today I am hearing from faculty across the campus that issues of salary compression and even inversion set up difficult relations between newer and older faculty members. When we can hire the best, they often leave after a year or two because salaries are better elsewhere. Some departments cannot compete with other institutions in hiring at all because of our low salaries.

The faculty senate will be exploring what other institutions have done to maintain and improve their salary profiles, and we ask that the board continue to strategize to improve faculty salaries so that we are not near the bottom of the SCHEV peer list. The current salary plan is a start, but unless it becomes significantly more robust, it will not bring us to the 60th percentile of our peer institutions, which has been a goal as long as I have been at Virginia Tech.

As we address budget cuts forced on the university by the state, we hope to keep a focus on faculty productivity. I am hearing from faculty that burdensome demands—like the ever increasing demands for assessment passed from administrators to the faculty—are crowding out central faculty tasks like classroom teaching and research. We need better ways to address these demands without losing our focus on the core contributions of the faculty to teaching, research, and outreach.

Electronic communication and the availability of information on the Internet have changed everyone's lives over the past 20 years. It's nothing less than astonishing how much different research in my field is than it was when I began graduate school (with a typewriter, no less). Physically being in the library to read journals was a requirement at that time. Yet for all the efficiencies that computers and network connectivity afford us, living in a cyber world has added to demands on faculty time. It is time for us to consider how to manage the new demands that electronic connectivity offer us. We must, in other words, reimagine the faculty role in a way that acknowledges the transformations to our workday that electronic technologies make possible.

For some faculty, the way to focus energy and be productive is to limit engagement with service. And yet, the university must be run somehow and at Virginia Tech we pride ourselves on a model of shared governance that places students, staff, and faculty on committees with administrators to develop policy, create programs, and run the institution. There is grumbling among the faculty about shared governance at Virginia Tech—the system seems to many to be inefficient and time-consuming, lacking in strong faculty involvement, and without a clear and influential role for the faculty senate as representative of the faculty as a whole. It is important to remember that the system for shared governance that we have was imagined and set up before the cyber revolution and the massive changes in the faculty role that the Internet has enabled.

This year the faculty senate will be investigating governance at Virginia Tech and elsewhere in order to ascertain how we might become more efficient, more streamlined, more representative, more faculty-focused, more productive, and less duplicative of effort. We seek the support of the administration in this endeavor, as we see better shared governance as a way to focus the capacities of the faculty at a time when greater productivity will be a way to enact efficiencies crucial to the new budgetary reality. We can no longer "do more with less." Instead, we must identify those things that can be done less often, accomplished with fewer inputs, or simply not done at all. To do so, faculty and administrators must collaborate and trust one another to accomplish shared goals.

Virginia Woolf disliked institutions. She would be appalled at the way I have strong-armed her arguments for the independence of women to make a case for faculty at Virginia Tech. About the faculty she wrote, "the University indeed seemed a sanctuary in which are preserved rare types which would soon be obsolete if left to fight for existence on the pavement of the Strand" (8). Yet she understood human psychology and the need for reflection and focused attention to create new ideas and to render the real into texts. To be more productive, faculty at Virginia Tech need the metaphorical 500L and a room of their own to make possible the contributions to human knowledge and well being that make this institution special and noteworthy.

Respectfully submitted,

Bernice L. Hausman
Diggs Professor in the Humanities
President of the Faculty Senate
Faculty representative to the Board of Visitors