



THE RECTOR AND VISITORS OF THE  
UNIVERSITY OF VIRGINIA

September 12, 2019

**MEMORANDUM**

**TO: The Buildings and Grounds Committee:**

Robert D. Hardie, Chair  
Whittington W. Clement, Vice Chair  
Robert M. Blue  
Mark T. Bowles  
Elizabeth M. Cranwell  
Thomas A. DePasquale

Barbara J. Fried  
Louis S. Haddad  
C. Evans Poston Jr.  
James V. Reyes  
James B. Murray Jr., Ex-officio  
Derrick Wang, Student Member

**and**

**The Remaining Members of the Board:**

L.D. Britt, M.D.  
Frank M. Conner III  
John A. Griffin  
Maurice A. Jones

Babur B. Lateef, M.D.  
Angela Hucles Mangano  
Peter C. Brunjes, Faculty Member

**FROM:** Susan G. Harris

**SUBJECT:** Minutes of the Meeting of the Buildings and Grounds Committee on September 12, 2019

The Buildings and Grounds Committee of the Board of Visitors of the University of Virginia met, in Open Session, at 2:25 p.m. on Thursday, September 12, 2019, in the Board Room of the Rotunda. Robert D. Hardie, Chair, presided.

Present: James B. Murray Jr., Whittington W. Clement, Robert M. Blue, Mark T. Bowles, Elizabeth M. Cranwell, Thomas A. DePasquale, Barbara J. Fried, Louis S. Haddad, C. Evans Poston Jr., James V. Reyes, and Derrick Wang

L.D. Britt, M.D., Frank M. Conner III, John A. Griffin, Babur B. Lateef, M.D., and Peter C. Brunjes were also present.

Present as well were James E. Ryan, Jennifer Wagner Davis, M. Elizabeth Magill, Margaret S. Grundy, Susan G. Harris, Timothy J. Heaphy, Donna P. Henry, W. Thomas Leback, David W. Martel, and Debra D. Rinker.

Phoebe Crisman, Cheryl L. Gomez, Benjamin J. Hays, Alice J. Raucher, and Colette Sheehy were the presenters.

Mr. Hardie opened the meeting. After thanking Mr. Clement for his recent service as committee chair, he gave the floor to Ms. Sheehy.

**Action Item: Naming Fontaine Resilience Garden**

Ms. Sheehy said the University recommends naming the new outdoor classroom and garden at McLeod Hall in honor of Ms. Dorrie Fontaine, the former dean of the School of Nursing.

On motion, the committee approved the following resolution and recommended it for full Board approval:

**NAMING: FONTAINE RESILIENCE GARDEN**

WHEREAS, Dorrie K. Fontaine served as dean of the University of Virginia School of Nursing from 2008 to 2019; and

WHEREAS, Ms. Fontaine founded the Compassionate Care Initiative, which supports resilient and compassionate learners and practitioners, and is the first program of its kind at a nursing school in the United States; and

WHEREAS, Ms. Fontaine is widely recognized as a leader dedicated to caring for and educating the whole person, and has received numerous awards nationally for her work and leadership in nursing, compassionate care, and education;

RESOLVED, the Board of Visitors names a new outdoor resilience classroom and garden in front of McLeod Hall the *Fontaine Resilience Garden*.

**Action Item: Schematic Design Approval: Athletics Complex Phase I**

Ms. Raucher presented aerial renderings of the existing conditions, the near-term plan, and the Phase I scope of work. She said Phase I includes two grass practice fields, a temporary path, and the ground work for a promenade linking the complex to parking and the Goodwin Bridge.

Mr. Hardie thanked Ms. Davis, Ms. Williams, Ms. Sheehy, and Ms. Raucher for their work on the project, which was initiated within the last two years. He said the project is important because the University is the only Power 5 football program without two grass practice fields.

On motion, the committee approved the following resolution:

**SCHEMATIC DESIGN FOR ATHLETICS COMPLEX PHASE I**

RESOLVED, the schematic design for Phase I of the Athletics Complex, prepared by ZGF Architects of Washington, D.C., in collaboration with representatives from the Office of the Architect for the University, Facilities Management, and Athletics, is approved for further development and construction.

**Sustainability Annual Report**

Ms. Sheehy said the University has had a long-term commitment to sustainability. Hundreds of students, faculty, and staff participate in sustainability programs across Grounds. The University's initial sustainability action plan, which covered the period from 2016 to 2020, has set

the groundwork for the next plan for the period from 2020 to 2030 and beyond. The plan will be presented to the Committee at its December meeting. She gave the floor to the co-chairs of the Committee on Sustainability, Ms. Cheryl Gomez, Director of Operations for Facilities Management, and Ms. Phoebe Crisman, Professor of Architecture and Director of the Global Studies Program.

Ms. Crisman said 2018 was a year of accelerated action, deeper engagement, and accelerated sustainability partnerships. The University's sustainability initiatives are organized around three focus areas: community engagement, discovery of solutions to global challenges, and stewardship of the University's resources. There are more than 130 sustainability-related courses in several disciplines. Over 300 faculty are engaged in sustainability research. There are over 30 sustainability-focused student groups. The sustainability network includes alumni and others.

The 2016 plan established 23 goals and 103 objectives, and included detailed action plans. Last October, the University hosted a Bicentennial Sustainability Leadership Summit as a part of the University's Bicentennial. The summit involved over 600 students, staff, faculty, alumni, and community members. This spring the University began working the City of Charlottesville and Albemarle County to update green house gas reduction goals and coordinate climate action plans.

Ms. Gomez began her report on the four major goals of the University's 2016 sustainability action plan by explaining that the plan was transformational. While the University had a long history of energy and water conservation, the plan organized the University's efforts around major goal categories with supporting tactics and initiatives. It also set targets and a schedule.

The first goal was to reduce greenhouse gas emissions by 25% below 2009 levels by 2025. The University expects to meet this aggressive goal this year, six years ahead of schedule. It was accomplished through several initiatives, such as requiring LEED certifications of new buildings and building renovations, investing in building efficiency retrofit projects, installing LED lighting, investing in infrastructure and plant optimization projects, and investing in renewable energy. The renewable energy investments included rooftop solar panels and solar fields in partnership with Dominion Energy. Currently, 20% of the University's electric consumption is renewable. These initiatives reduced emissions and saved money, which was reinvested in additional initiatives. At the same time, the University was able to minimize increases in its internal utility rates. During the last 10 years, there were eight years when rate increases were only 0.8%.

The second goal was to reduce reactive nitrogen levels by 25% below 2010 levels by 2025. The University is a leader in this field. Mr. James Galloway, a professor in the Environmental Sciences Department, developed a way to calculate nitrogen emissions. Nineteen universities in the United States now calculate their nitrogen emissions. The University is close to meeting this target.

The third goal was to reduce water consumption by 25% below 2010 levels by 2035. Over the past two decades, water use has been reduced by 25% in spite of growth and has saved almost \$2.9 million dollars. The fourth goal was to reduce the annual amount of waste going to landfills to less than 2,000 tons by 2035. While the University has achieved a 44% recycling rate, the amount of waste sent to landfills has increased. This is an area that needs more emphasis.

During the committee discussion, Ms. Cranwell asked why the amount of waste is increasing. Ms. Gomez said it is due to the University's growth. While the recycling rate is excellent, more needs to be done to encourage recycling. Mr. Griffin suggested the University encourage students studying abroad to include a component on sustainability efforts in their host countries. Mr. Wang said sustainability is an important student issue and will be a key factor in the college selection process. Mr. Hardie referenced the report in the committee materials. He said this is an area where the University can be great and good, and asked if there were any other ideas.

Mr. DePasquale suggested the University bus system, which is a visible image of the University, consider converting to electric buses. Ms. Gomez said the bus system and employees commuting to work are a major source of greenhouse gas emissions, but electric buses are significantly more expensive. Mr. Blue said consideration must be given to life cycle costs and not just to up front costs. He also suggested using smaller vehicles. Ms. Crisman said a student project studied bus idling times and suggested that reductions could reduce greenhouse gas emissions.

Mr. Haddad suggested the University study the benefits and costs of using higher LEED standards. Ms. Sheehy said the University completes a LEED cost analysis on all construction projects. Ms. Cranwell asked about increasing the use of solar roof panels. Ms. Sheehy said a student study identified the roofs that were appropriate for solar panels. The University will analyze their recommendations. Ms. Gomez said new buildings are designed to support solar roof panels.

Mr. Haddad suggested the University consider the use of solar parking lot lights. His firm has benefited from them. Mr. Ryan asked about opportunities for additional walking and bicycle paths. Ms. Raucher said the University works with the City and County on joint projects, such as those in the Emmet Street and Ivy Road corridors. Walk and bicycle enhancements are considered with each building project. The Grounds Plan also include recommendations.

### **University Building Official Annual Report**

Ms. Sheehy introduced Mr. Hays, the University Building Official. Ms. Sheehy said his office is one of the most critical benefits of Restructuring since it allowed the University to have a building official to work with the University's construction team daily. Mr. Hays said his team, which consists of 10 architects, engineers, inspectors, and technicians, ensures life safety through the administration of the building code, as well as broader guidelines developed by the University.

The office is involved with construction document review, permitting, inspections, and occupancy permits. It is mindful of project schedules and has completed 99% of its document reviews in accordance with published timelines. The office has collaborated on projects, such as the hospital expansion project and the Bond House, to meet critical deadlines. Because it is imbedded in the University, the office is responsive to customers and supports the University's goals.

Ms. Davis thanked Mr. Hays and his office, as well as Facilities Management, for their efforts to complete the Bond House in time for fall occupancy.

### **Senior Vice President Remarks**

Ms. Sheehy outlined four major issues which will come before the committee during the year. These are the new sustainability plan, the next Brandon Avenue residence hall, the hotel and Data Science building in the Emmet-Ivy corridor, and the revision to the major capital plan. The capital plan revision will allow the University's new leadership the opportunity to amend the plan.

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The Chair adjourned the meeting at 3:20 p.m.

SGH:wtl

These minutes have been posted to the University of Virginia's Board of Visitors website:  
<http://bov.virginia.edu/committees/182>