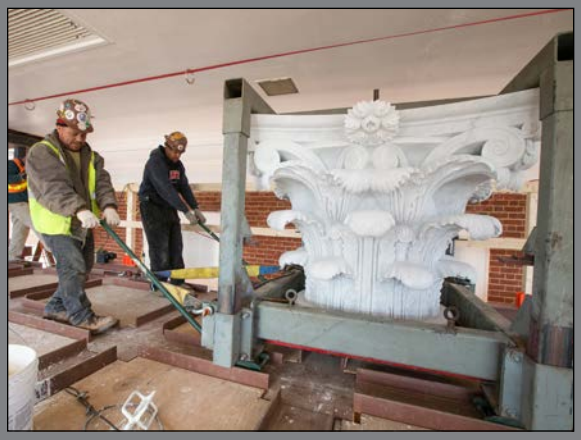
Excellence, Innovation & Leadership



University of Virginia
Facilities Management

2014-2015 Annual Report

Cover photos by Jennifer Watson/FM Webmaster (top), Dan Addison/UVA Communications (bottom left) and Donley's LLC (bottom right)

On the cover

Top: The University of Virginia Hospital's new green roof was inspired by the local landscape, with sedum-covered pyramids mimicking the area's mountains, ornamental grasses creating a pattern similar to farmland and local rivers acting as the inspiration behind the roof's winding "river," which is filled with blue glass aggregate. In addition to its visual appeal, the vegetated roof — which sits above the hospital's main lobby — reduces the building's environmental impact and over time it will reduce operating costs.

Bottom left: Workers from Rugo Stone installed the Rotunda's 10 new south portico capitals using a wheeled cart that was rolled into place above each column. The installation of the Rotunda's new marble capitals marked the end of their long journey from the mountains of Carrara, Italy. The capitals started out as 9,000-pound square blocks which were carved at Pedrini Sculptors Studio by a robotic CNC machine and then finished by hand.

Bottom right: This aerial view of the Alderman Road Residence Area focuses on the latest and final addition, Gibbons House. The residence hall was named in honor of two former slaves, William and Isabella Gibbons, a married couple enslaved by different UVA professors until 1865. After emancipation, Isabella became a teacher for more than 20 years and William became a well-known minister in Charlottesville and Washington, D.C. The building houses student rooms, lounges and study spaces, including Housing and Residence Life offices.

The Facilities Management annual report includes more photographs and summaries of projects such as these that signify our work to showcase excellence, innovation and leadership in everything we do.

Contents

Statement of Purpose

Creating and caring for the physical environment in which those who seek enlightenment, knowledge, health and productive lives can flourish.

Vision

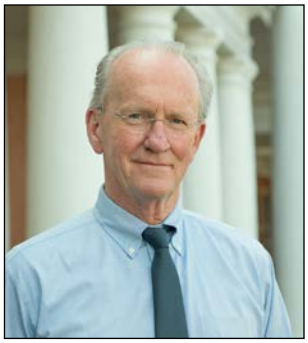
Excellence, innovation, and leadership in our support of the education, research, health care and public service mission of the University.

Core Values

- Collaboration: Striving to work together and with others to accomplish the purpose and vision of the University by sharing knowledge, learning and building consensus.
- Respect: Sharing a common respect for ourselves, each other and our University community.
- Integrity: Striving for honesty and equity in all our endeavors.
- Excellence: Striving to be second to none in all that we do.
- Pride: Taking pride in the beauty of our grounds, the grandeur of our buildings and the quality of our work.
- Community: Making the University and our community a better place to study, work, heal and live.

University of Virginia
Facilities Management
P.O. Box 400726
575 Alderman Road
Charlottesville, VA 22904-4726
http://www.fm.virginia.edu

Message from Don Sundgren



The initiative, professionalism and sense of ownership demonstrated by Facilities Management employees during the past year set a new standard for a team that always strives to be the best steward of the University of Virginia. We are proud that several of our colleagues and teams have earned special recognition over the past fiscal year:

- High Voltage Electrician Lead Bucky Crickenberger was a 2015 recipient of the Governor's Award for Customer Service in addition to the UVA Leonard W. Sandridge Outstanding Contribution Award for his close to 30 years of dedication to keeping the University's systems up and running.
- Due to the ongoing efforts by the Office for Sustainability, UVA was awarded the U.S. Department of Education's Green Ribbon Schools Postsecondary Sustainability Award, one of only nine post-secondary institutions in the U.S. and the only one in Virginia to receive the award.
- *BestCollegeReviews* ranked UVA as the number one most beautiful campus in the U.S. and *Great Value Colleges* ranked the University No. 4 on its 2015 list of the 40 Most Beautiful College Campuses in Rural Areas thanks to the many FM staff members who work hard to maintain the University's interior and exterior facilities.
- Six of our employees were recognized as Respectful Workplace Champions for their outstanding commitment to a respectful workplace through daily actions or larger initiatives. Recipients included: Ben Lane of Housing Custodial, Duane Gough of North Grounds Custodial, Joe Newton of Building Services, Keith Lewis of Building Services, William Hussey of Project Services and Ed Brobbey of Utilities.
- Achieved a significant reduction in the number of lost work days over the last three fiscal years. The decrease in lost work time has been accomplished by the Occupational Health & Safety team working with physicians as well as FM departments to accommodate any required work restrictions.

We continue to focus on improving our resources in four key areas: sustainability, diversity, respectful workplace and safety. Initiatives over the past fiscal year in support of these values include: the creation of the FM Sustainability Council and its work to support everyday sustainable practices through the Green Workplace Program; the FM Diversity Committee's launch of its Employee Engagement program promoting engagement and inclusion; Respectful Workplace training for 1,100 FM employees; and an increase in the number of safety training topics being offered and the number of people attending safety classes.

We are proud of our employees' accomplishments in the areas of educational and professional development. As the University's stewards, Facilities Management values the initiative our employees demonstrate as they pursue professional development and life-long learning.

Facilities Management continues our long tradition of giving back to our community through many important events. Our employees generously supported the Day of Caring, the Commonwealth of Virginia Campaign, the Blue Ridge Food Bank, the Toy Lift and the Salvation Army's School Supply Drive. Throughout the year, they also supported Virginia Blood Services.

We offer our sincere gratitude for your trust and belief in us. We look forward to supporting your facilities needs and exceeding your expectations. Thank you.

Donald E. Sundgren
Associate Vice President and Chief Facilities Officer

High Voltage Electrician Lead Bucky Crickenberger (far left) was awarded the Governor's Award for Customer Service. He is congratulated by fellow staff and officials (from left), Associate Director for Utility Systems Distribution Mark Roach, Virginia Governor Terry McAuliffe, First Lady Dorothy McAuliffe and Associate Director of Power and Light Sathish Anabathula.

FP&C Supervisory Historic Preservation Architect Jody Lahendro (far right), fellow Rotunda project team members and President Teresa Sullivan speak to the media about the newly created Carrara marble capitals that were crafted in Italy for the Rotunda's north and south porticos.

Utility Systems Welder Senior Freddie Rogers works to bring a temporary mobile boiler online to serve buildings along McCormick Road during the construction of the new McCormick Road Utility Tunnel.

Accepting the U.S. Department of Education's Green Ribbon Schools award includes (from left), Director of Operations Cheryl Gomez, UVA Senior Vice President for Operations Colette Sheehy, Sustainability Director Andrea Trimble, Sustainability Committee Co-Chair Mark White and Associate Vice President and Chief Facilities Officer Don Sundgren.

For the first time, FM's two annual events, the Fall BBQ and the Ice Cream Social & Vehicle Show, produced zero waste by using compostable plates and utensils and recyclable drink cans. Sustainability Outreach and Engagement Manager Nina Morris (far right) helps Recycling Worker Jae Jae Johnson dispose of food in the compost bin.

With FM's enhanced emphasis on safety, the 2014 Leadership Forum — with the theme "Double-Check for Safety" — featured keynote speaker, UVA Executive Vice President for Health Affairs Dr. Rick Shannon (far left).

Major Initiatives

Facilities Planning and Construction (FP&C) is responsible for the execution of the University's Capital Project Program. We provide management of all design and engineering services, management of all construction services, and procurement for all construction contracts and design/engineering professional services contracts for the University community. Our goals are to set the standard for excellence in higher education and healthcare project delivery.

In 2014-2015, FP&C's accomplishments included:

- Completed and occupied several new major facilities totaling $272,131,297.
- Awarded 76 construction contracts totaling $101,580,548.
- Processed 343 professional services contracts and service orders totaling $23,274,195.
- Put in place construction with a value of $104,900,000.
- Design and construction continues on major new facilities totaling $980,235,503.

Academic Division

- The Academic Division had a total workload of 21 capital projects. Using the HECOM threshold of $2 million for a Capital Outlay project, these active projects included:
- 4 capital projects in design for a total of $298,500,000.
- 10 capital projects in construction for a total of $183,968,000.
- 4 capital projects completed for a total of $85,695,000.

Capital Projects in Design	Capital Projects in Construction	Capital Projects Completed
Gilmer Hall & Chemistry Renewal	FM Shop Support Office Building	Gooch Dillard Phase I
Gooch Dillard Phase III	Gibbons House	New Cabell Hall Renovation
Material Science HVAC	Gooch Dillard Phase II	O'Neil Hall Renovation
McCormick Residence Hall Renewal	McCormick Road Tunnel	Wise: Health & Wellness Center
	Newcomb Road Chiller Plant	
	North Grounds Mechanical Plant	
	Rotunda Renovation	
	Wilson Hall Renovation	
	Wise: Dam Restoration	
	Wise: Library	

Non-Capital Projects in Design	Non-Capital Projects in Construction	Non-Capital Projects Completed
Blandy Farm Cottages	Alderman Pedestrian Bridge	Brown College Bathrooms Ph. II
Blandy Farm Greenhouse	HSU Laboratory	Carr's Hill Guest House Roof Repl.
Brown College Bathroom Ph III	JPJ Exterior Repairs	Carruthers Data Center Renovation
Cemetery Expansion	Law School Lobby Renovations	Men's Soccer Locker Room Ren.
Crackerbox Roof Replacement	Leake Phase 1A: FM Store Warehouse	Old Cabell Roof Repl. & Ornamental Masonry Repairs
Hotel A Renovation	Special Collections Library Humidification System Upgrade	
Leake Building Lower Level Ren.		
Pavilion VII Porch Repairs		

Academic Division Major Commissions

Rotunda Renovation

Photo by Dan Addison/UVA Communications

Following the conclusion of the roof replacement project, the Rotunda's remaining renovations are past the mid-point with final completion scheduled for July 2016.

Construction to this point includes: completion of a 3,500 gross square foot underground vault in the east courtyard primarily for mechanical equipment; completion of a mechanical space below the Lower East Oval Room; 50% completion of new east elevator and tunnel; 85% completion of exterior utilities; dismantling, repairing, and refinishing of all exterior copper ornament, and 60% reinstallation; painting of the roof; 80% completed rough-ins of mechanical, electrical, plumbing, sprinklers, media, security, audio/visual, and hearing assistive technology systems; replacement of waterproofing and paving at terraces above wings at 80% complete; 50% installation of a new acoustical plaster ceiling in the dome room; and complete replacement of Corinthian marble capitals at the north and south porticos.

Remaining major work includes completion of current activities, replacement of roofing at porticos, installation of fixtures and devices, interior and exterior finishes, exterior hardscape, and landscaping. To reactivate student use of the Rotunda, three permanent classrooms are being added along with improvements to the Dome Room and other spaces that will support student study usage. Designed by Thomas Jefferson and originally completed in 1826, the Rotunda is recognized as a National Historic Landmark on the state and federal registers of historic places.

John G. Waite Associates, Architects, of Albany, N.Y., is the architect for the project. Whiting-Turner, of Richmond, Va., is the construction management firm. Construction began in May 2014, with completion scheduled for July 2016. The renovations project budget is $53 million.

McCormick Road Tunnel

The project consists of the installation of 1,300 feet of new utility tunnel down McCormick Road from Engineer's Way to Alderman Road. The tunnel will provide Medium Temperature Hot Water (MTHW) to Gilmer/Chemistry and the McCormick Residence Houses Renovations Project. There will be 2,600 feet of 18-inch MTHW lines inside the tunnel feeding the buildings. This project supports the University Master Plan to replace the high pressure steam lines throughout the University with MTHW. The project also includes the installation of chilled water lines above the tunnel to provide cooling for the surrounding buildings. The new tunnel will run alongside and tie into the existing steam tunnel.

The first phase of the project consisted of the installation of five cast-in-place vaults and 900 feet of tunnel from Engineer's Way to Hancock Drive over 90 days in the summer. In order to complete the project in the short amount of time, work was performed seven days a week, 24 hours a day throughout the project. The installation of the MTHW pipe inside the tunnel to Vault 5 will be complete by the end of October 2015. Phase two of the project will take place over winter break from December 2015-January 2016 and will include the installation of tunnel and utility piping in McCormick Road from Hancock Drive to Alderman Road.

Faulconer Construction is the Construction Manager and Dewberry is the Architect Engineer. The construction budget for the project is $10.6 million with a HECO-2 by budget of $14 million.

Gibbons House

Gibbons House, previously known as Building 6, continues the multi-phase project begun in 2006 to remove and replace the 1960s-era residence halls in the Alderman Road precinct. The first phase, construction of Kellogg House, was completed in August 2008. Construction of the second phase buildings, Balz-Dobie and Watson-Webb Houses, and the Ern Commons, was completed in August 2011. Phases III and IV, construction of Lile-Maupin, Tuttle-Dunnington, and Shannon Houses, was completed in summer 2013. Construction of Gibbons House began in May 2013 and was completed in August 2015.

The new student housing offers modern amenities in a configuration that fosters intimate, secure, close knit communities. It is designed to create a strong sense of place, and accommodate a growing number of students. In addition to student rooms, study areas and lounges are located on every floor. The entry level floors will be oriented to illuminate and animate gathering places for meeting, recreation, and collaborative learning. Additionally, Gibbons provides approximately 10,000 gross square feet of office space for the Office of Housing and Residence Life staff.

The site is located on Alderman Road across from Scott Stadium, extending south from the previous phases, providing convenient access to the Aquatic and Fitness Center and West Grounds. Site development continues the accessible pedestrian route throughout the complex with future expansion extending to Gooch/Dillard Houses and Hereford Residential College. This route provides a strong organizing element for the entire precinct. Outdoor recreation areas both structured and unstructured will be provided. The project is designed by EYP Architecture & Engineering of Washington, D.C. The Construction Manager is Donley's Construction Mid Atlantic Regional Office of Richmond, Va. The working project budget is $28 million.

Wise Library

The University of Virginia's College at Wise is constructing a new library to support the academic mission of the College and provide a state-of-the-art facility for the College's students and faculty. The library will be the academic heart of the College, and is centrally located to provide a fully accessible 24-hour link between the upper and lower campuses.

The building will house the College's collections and will provide study, instructional, and multimedia resources to accommodate the College's present and future needs. The library's size and layout are designed to accommodate the number of students that will use the facility, the numerous functions the facility will serve, and the need for an accessible, 24-hour vertical link. Lobbies on several floors will be open late, and will feature café tables, group study rooms and informal lounge seating so that students can collaborate on projects, study, socialize, and gather informally throughout the day and evening. The lobbies will also serve as a direct point of entry to the multimedia learning labs. A café will further enhance the facility's role as a center of campus life.

Designed by Cannon Designs of Arlington, Va., the project features a six-story, 69,000-gross square foot brick and glass structure, destined to become the identifying, iconic building on the campus. Construction is now underway, with completion expected in summer 2016. Quesenberry's of Big Stone Gap, Va. is the Construction Manager. The project budget is $37.17 million.

Gilmer/Chemistry

Design is underway for the renovation and renewal of Gilmer Hall and the Chemistry Building. Gilmer Hall was built in 1963, with a major addition completed in 1987. The original building and the addition — together containing 221,980 gross square feet — provide research and teaching laboratories for the Biology and Psychology Departments and general-use classrooms and lecture halls. The 208,392 gross square feet Chemistry Building, completed in 1968, provides general-use classrooms and research and teaching laboratories. The Chemistry addition was completed in 1995 and is not within the scope of this project; however it will play a role in providing swing space for the renovation project. Today, half a century after completion, these buildings continue to house the majority of teaching in the sciences, and are workhorse research facilities for the College of Arts and Sciences.

Most of the classrooms and labs in these buildings have been only slightly altered from their original 1960s designs. Gilmer Hall's biology research laboratories were designed as individual laboratory suites and inhibit interaction between research groups, limit the ability to accommodate changing and interdisciplinary research programs, and lack flexibility. The Psychology Department is constrained by inflexible and out-of-date planning arrangements, particularly in the research suites and testing rooms, resulting in inefficient use of space. The Chemistry teaching labs are designed for very large student sections that are inconsistent with current best teaching practices. These functional issues will be exacerbated by the growth in student enrollment in the sciences that is projected through the next decade and will hinder the College's efforts to attract the best and brightest students and faculty.

Architectural services are being provided by Perkins + Will of Washington, D.C. with support from their Atlanta office. Design Phase construction management services are being provided by the Whiting-Turner Contracting Company. The project budget is approximately $180 million and the construction schedule has not been finalized.

Newcomb Road Chiller Plant

A new chiller plant of approximately 6,000 gross square feet, currently in construction, will replace the multiple existing chillers and supporting equipment that currently serve the buildings along Newcomb Road. The new plant will allow this equipment to be removed from individual buildings, and will provide greater capacity to add several buildings that are not currently on this loop. The initial capacity of 2,400 tons can be easily increased to 3,600 tons, with piping capacity for 6,000 tons in case of a future decision to expand the plant.

The existing plant is near its maximum capacity, and the equipment is at the end of its life expectancy. Also, since the equipment is spread across several buildings, the current system is inefficient in terms of both energy use and ease of maintenance. The project examined several alternative cooling options that were found to be incompatible with the restrictions of this site and existing distribution systems. However, with high efficiency chillers and a centralized plant, the new plant will provide significant efficiency improvements over the existing plant.

The project was designed by Affiliated Engineers, Inc. of Chapel Hill, N.C. and is being constructed by Sauer Inc. of Newport News, Va. as the construction manager. Full construction began in the fall of 2014, with substantial completion scheduled for early summer of 2016. The total project budget is $14.8 million.

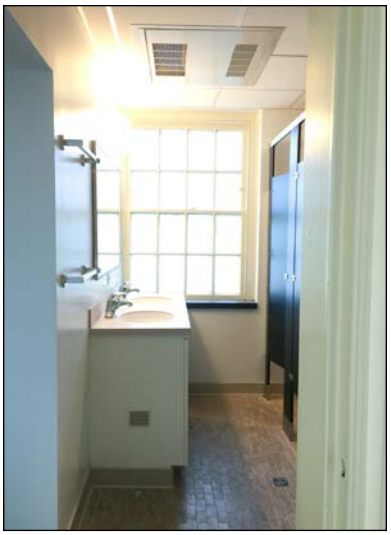
Design Group

Formerly there was an Engineering and Design Division composed of two work centers, the Design Group and the Project Management Group. The Project Management function has been reassigned to the Academic Division. Project initiatives for the Design Group are found below:

In Design	In Construction	Completed
Brown College Bathroom Renovations, Phase III	Brown College Bathroom Renovations, Phase II	2400 Old Ivy Road Elevator Modernizations
Bryan Hall Elevator Modernizations	Carr's Hill Guest House Roof Replacement	Alderman Library Replace Elevator Doors
Faulkner Housing Renovations, Phase II: Hench Apartments	Clinical Department Wing OB/GYN Renovations	Brooks Hall Door Operators
Fiske Kimball Library Accessibility Improvements	Drama Shop Paint Frame Replacement	Brown College Bathroom Renovations, Phase I
FM Shop Renovations for Project Services, Phase II	Faulkner Housing Renovations, Phase I: Mitchell Apartments	Brown College Slate Roof & Flashing Repairs, Phase II
Halsey Hall Elevator Modernization	FM Shop Renovations for Project Services, Phase I	Carruthers Hall Elevator Modernization
International Residence College Renovations	Halsey Hall Door Operators	Chemical Engineering Research Building Elevator Modernization
Leake Renovations, Phase 1B	Hotel E Annex Roof Replacement	Culbreth Theater Gala Lift Replacement
Pavilion VII Porch Repair	Leake Renovations, Phase 1A	Landers Lab Renovation Chemistry
Saunders Hall Roof Drainage Evaluation & Repairs	Monroe Hall Elevator Modernization	Materials Science Building Elevator Modernization
The Crackerbox Roof Replacement	Public Safety Substation	McKim Hall BIMS Education Center
Thornton Hall C-Wing NI Engineering Design Lab	TJAGLCS Low-Slope Replacement, Phase I	McLeod Hall Low-Slope Roof Replacement
TJAGLCS Elevator Modernization, Elevators 1 & 2		Mechanical Engineering Freight Elevator Modernization
West Range Café Door Operators		Memorial Gymnasium Replace Elevators #1 and #2
		Michie North & South Elevator Modernization
		Monroe Hill Elevator Replacement
		MR-4 3rd Floor Lab Renovations
		Rice Hall Laster Lab Ren., Rm. 342
		Ruffner Hall Renovations
		Scott Stadium East & West Handrails Installation
		Slaughter Hall Elevator #5 Modernization
		Slaughter Hall Elevator #6 Cab Refurbishment
		Thornton Stacks Renovation SEAS
		Withers-Brown & Slaughter Halls Bathroom Renovations

Design Group Major Commissions

Brown College Phase II

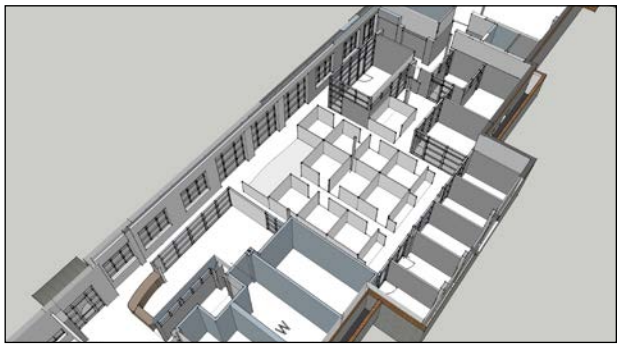


Brown Residential College was built in the 1920s. Its bathroom facilities were last renovated in the early 1960s and needed renovations to improve their cosmetic appearance and to repair ventilation and plumbing infrastructure.

Phase I, completed in 2014, consisted of 14 bathrooms in Venable, Mallet and Long Houses. Phase II continued the work into Tucker, Holmes, Rogers and Peters dorms. The project, totaling 26 bathrooms, included new waterproofing, ceramic tile flooring and walls, new plumbing fixtures, vanity cabinets and casework, toilet partitions and new tiled showers, as well as repairing the exhaust systems and LED lighting.

Architectural design services were provided by the FP&C Design Group, with Virginia A&E providing consulting engineering support. Bid documents were issued to University On-Demand Contractors; Alexander Nicholson was awarded the contract. Work was completed this year at a total project cost of $1.02 million.

Leake I First Floor



Facilities Management will be renovating the lower level of the Leake Building to respond to program needs for improved offices, group work and administrative support areas and a new conference room.

The general scope of these improvements (approximately 12,412 square feet), includes: reconfiguration of the lower level including the relocation of the existing north entrances to the building, in closer proximity to the main vertical circulation elements (stairs and elevator), offering a more clear and safer approach to the building. Furthermore, the project's realignment of the main interior east-west central corridor will provide larger, more flexible open office areas and clearer and safer circulation throughout.

The project will include: new interior finishes, office furniture systems, casework and new restrooms. The project will also improve the infrastructure of the building with upgraded mechanical and electrical systems and improved fire safety with the installation of a sprinkler system. The existing exterior glazing on the lower level will be replaced with high-efficiency glazing systems in its entirety. These improvements will optimize the existing building space to provide maximum efficiency, flexibility and access to natural daylight.

Health System

The Health System Division responded to 43 new requests for services, contributing to a total workload of $556,165,213 in active projects, including projects that have reached Construction Completion in the last year. These active projects included:

- 37 projects in startup/request phase, budget/scope not yet developed.
- 58 small non-capital projects with an average size of $110,368 for a total of $6,401,353.
- 12 large non-capital projects with an average size of $1,041,858 for a total of $12,502,301.
- 6 small capital projects with an average size of $2,940,667 for a total of $17,644,000.
- 8 large capital projects with an average size of $60,051,438 for a total of $480,411,503.
- 6 capital projects in design for a total of $406,874,642.
- 8 capital projects in construction for a total of $91,180,861.
- 5 capital projects completed for a total of $186,436,297.

Capital Projects In Design	Capital Projects In Construction	Capital Projects Completed
500 Ray C. Hunt Renovation	Education Resource Center	McLeod Hall Phase III
Outpatient Procedure Center Renovation	Ivy Translational Research Building – 560 Ray C. Hunt Drive	University Hospital HVAC Replacement Phase II
Primary Care Center 4th Floor – Neurology Clinic	MRI Relocation – Enabling Project for ED Tower Project	University Hospital NICU Renovation / Level 7
University Hospital 7th and 8th Floors Renovation	University Hospital – Vegetative Roof	UH – Level 1 Radiology Master Plan
University Hospital Café Servery	University Hospital HVAC Replacement Phase III	Old Jordan Hall Fresh Tissue & Gross Anatomy
University Hospital Expansion		
University Hospital Emergency Power Phase III		
University Hospital HVAC Replacement Phase IV		

See Facilities Planning & Construction's complete 2014-2015 Annual Report located on the FP&C website, for more information on projects and accomplishments.

Health System Division Major Commissions

500 Ray C. Hunt Drive Renovation

In January 2015, UVA purchased 500 Ray C. Hunt Drive — a 62,000 square foot office building located in Fontaine Research Park — from University Physicians Group. The building housed the headquarters of UPG, the Pediatric Neurology Clinic and the Gait Lab.

500 Ray C. Hunt was purchased to renovate into a medical office building, and because it is over 25 years old, the plan includes upgrading the base building mechanical and electrical systems, which are nearing the end of their useful lives. In order to vacate the building, the Neurology Clinic, located on the first floor, is being moved to Primary Care Center, and the Gait Lab, located on the lower level, is being moved to the Kirtley Warehouse. Both moves are projected to take place in spring 2016, shortly before construction.

The third floor of the building is being designed for a urology clinic, which is moving from the West Complex. The second floor is being designed for a cardiology clinic, which is being created by moving and consolidating clinics from Northridge, PCC and UH2West. The first floor will house cardiology diagnostic functions from the UH2West, and the lower level will contain a cardiology fitness and wellness clinic from Northridge.

The architect for the project is Hammel, Green and Abrahamson from Alexandria, Va. Gilbane Building Co. is the construction manager. Construction will begin in the second quarter of 2016 with substantial completion projected for fall of 2017. The total budget for this project is $32.8 million of which $13.7 million was used to purchase the building.

Education Resource Center

The Health System Education Resource Center project provides approximately 45,200 gross square feet for graduate medical and patient education, a relocated outpatient pharmacy, and a new centrally-located outpatient imaging center. These functions are directly responsive to the Health System's stated mission to provide excellence and innovation in the care of patients, the training of health professionals and the creation and sharing of health knowledge.

It provides new conference space for resident and patient education and much needed dedicated resident workspace. The project site is adjacent to the Emily Couric Clinical Cancer Center (ECCCC) and the new elevator and stair tower for the Lee Street Garage, providing convenient access to the pharmacy for patients and staff leaving the Medical Center via the 11th Street or Lee Street garages, and it is adjacent to the main hospital bus stops. In addition, this project provides space for a new outpatient imaging center that significantly improves patient access and fulfills the need for diagnostic imaging services convenient to the Cancer Center and the Battle Building. This center, located in the lower level, will connect directly with the ECCCC main radiology area.

The designers for the project are CO Architects from Los Angeles. Donley's/McCarthy is the construction manager. Construction is underway and is scheduled for occupancy in early 2017. The project budget is $29.4 million.

MRI Relocation Enabling Project

The Mobile Magnetic Resonance Imaging (MRI) and Enabling Moves project is the first phase of the MRI Relocation project, which will enable the decommissioning of the existing MRI Pavilion at the University Hospital, as required for future development.

The project consists of a new mobile MRI trailer and one-story modular industrialized building with a corridor directly connecting to the existing hospital, along with significant interior work to open space in the first floor of the hospital to accommodate a new MRI Suite. The modular building will house a new reading room for the Interventional Radiology staff and will be outfitted with computer monitor workstations for the radiologists. Exterior work includes site work for the modular, new walkways and a new dock for the Mobile MRI trailer. Work on the interior of the Hospital includes multiple relocations within Interventional Radiology, including a new Angiography Room, two PICC Rooms, re-designed high efficiency storage and office relocations. The second phase is the construction of the new MRI Suite, and includes the relocation/installation of three MRIs to the spaces in the hospital created by the first phase enabling the work. The new suite will be strategically located along the joint with the University Hospital Expansion Project and will provide for improved magnetic safety measures and updated MRI technology.

The architect is Perkins + Will of Washington, D.C. The construction manager for phase one is Crenshaw Construction, Inc. of Culpeper, Va. and Skanska USA of Raleigh, N.C. for phase two. Phase one will be complete in the fall of 2015. Phase two is projected to be complete in mid-2016. The total project budget is $15.1 million.

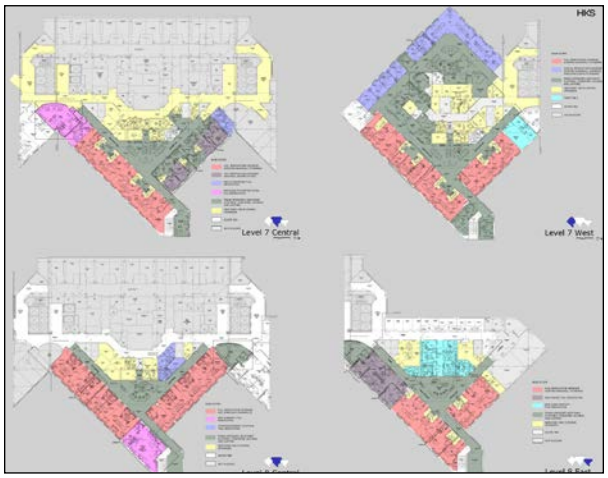
Outpatient Procedure Center

The Outpatient Procedure Center will be created in the building formerly known as the Outpatient Surgery Center, which has relocated its surgical and procedure services to the first floor of the Battle Building at UVA's Children's Hospital, allowing space for several outpatient procedure suites to be relocated from the in-patient University Hospital. The total building area is 32,000 square feet. The existing first floor totals 25,000 square feet consisting of operating rooms including two mobile ORs, patient preparation and recovery bays, and ancillary support areas. The second floor includes 7,000 square feet of administrative space.

This project completely renovates the first floor to provide a five-room Endoscopy suite with decontamination and sterilization; a one-room Motility suite; a 20-bed preparation and recovery unit; new waiting and registration areas, and staff ancillary space. There is also a one-room ECT suite that will occupy one of the two mobile operating rooms. All of the building's infrastructure systems will be replaced or upgraded and the exterior will receive a new, extended entrance and a new, brighter canopy. The project will replace one of the mobile operating rooms with a healing garden. The second floor is administrative offices not associated with the first floor, and will remain occupied and functional throughout the renovation, with no architectural modifications.

Full design services are being provided by Hord-Coplan-Macht Architects of Alexandria, Va. Whiting-Turner is the construction manager. Construction is projected to be complete in summer of 2017. The project budget is $11.5 million.

University Hospital 7th & 8th Floor Renovation



This project will renovate significant portions of the 7th and 8th floors of the University Hospital, including approximately 37,500 gross square feet of the 7th floor — which contains the Children's Hospital — and 23,100 gross square feet on the 8th Floor, which contains Women's Health.

Significant elements of the project include renovation of the Pediatric Intensive Care Unit (PICU) patient rooms, to include new family-centric amenities. The Peds Acute Unit patient rooms will be renovated/refurbished, including addition of new ADA-compliant rooms. The 7th floor main public corridor will receive new flooring and paint, along with revamped Children's Education Spaces and a new Peds Bone Marrow Transplant unit in 7 Central.

Women's patient rooms will be renovated and converted to solely private. A new (replacement) Continuing Care Nursery will be built and the 8th floor's triage will be relocated, expanded and modernized. Labor and Delivery Rooms will be renovated/refurbished, including an ADA room. New team (nurse) stations will be constructed along with general MEP infrastructure improvements throughout both floors.

The project architect is HKS Architects of Richmond, Va. The construction management firm is DPR Construction of Richmond, Va. Anticipated start of construction is winter 2016 with a projected completion in spring 2018. The total project budget is $15.8 million.

University Hospital HVAC Phases I/II/III/IV

The HVAC Replacement projects represent a phased approach to replacement of air handling units (AHUs) and ancillary HVAC systems nearing the end of their projected lifespans in the main hospital. During Phases I and II, the hospital evaluated both AHUs and hydronic systems for criticality, condition and age and developed a program for replacements/upgrades. The Phase II Project was completed in Summer of 2015 at a cost of $12.8 million.

Phase III comprises the design and installation of five additional AHUs and connections to their associated support systems. AHUs are being provided by Air Enterprises, a company that specializes in site-build construction. Phase III is projected to be completed in third quarter of 2016 with a total budget of $8.6 million.

Phase IV is in the early stages of design, with construction projected to begin in late summer 2016. As part of this early design, the project team is revisiting the program developed during initial phases to verify that the proposed scope still represents hospital needs and priorities. Phase IV is anticipated to include replacement of up to eight units with a budget of up to $14 million.

The project's programmatic goals included enhancing the integration of the work by getting the team in place early in the process by contracting the construction management joint venture, Donley's/McCarthy; the engineer, Leach Wallace; and the commissioning agent, Burns & McDonnell, all at the start of design. The project also included the development of a Building Information Management execution plan for this work that will serve as a prototype for future University Hospital projects.

University Hospital Expansion

The University Hospital Expansion Project will allow for expanded services to meet the needs of a growing community. The project consists of constructing an 11-story addition to the existing Hospital on a site to the east. The building expansion includes a four-story base with a six-story tower and roof penthouse for a total of 11 stories. The new building will consist of an expanded Emergency Department on the first floor, an expanded Interventional Program on the second floor, a six-story patient bed tower with three floors fitted out, expansion of Ancillary support spaces on the lower level and renovations on existing hospital levels 0 through 2.

The work will also encompass new drop-off and entries into the Emergency Department for ambulance and ambulatory patients. The expanded Emergency Department will consist of 77 exam rooms and three resuscitation rooms, the Interventional floor will add four new operating rooms, and the patient tower will consist of three floors of 28 ICU rooms per floor along with the three shelled floors.

The architect is Perkins + Will of Washington, D.C. Skanska USA Building, Inc. is the construction manager. Project budget is estimated at $376.5 million.

University Hospital Roof Retrofit

The roofs of the University Hospital, which was completed in 1989, have aged and are being replaced.

This project replaces the original portion of the expanded lobby roof with a vegetated "green roof." The 26,000 square foot green roof has many benefits over a traditional roof including providing visual interest for patients and staff, reducing the heat island effect, reducing storm water runoff and improved thermal properties. The design is influenced by the local geography incorporating mountains, variegated sections for cultivated fields, green areas for forests and a stream. The system design uses state of the art features including the waterproofing membrane and leak detection. The irrigation system uses non-potable water from the hospital HVAC system, reducing sanitary water discharge. The vegetation will also use the rain, thereby reducing storm water discharge as well. The vegetated roof will be a key element of the Lee Street landscaping upgrade which includes the Education Resource Center and University Hospital Expansion.

The project designer is Roofmeadow of Philadelphia, Pa. Waterproofing and the vegetation portions of construction are by Tecta America from Jessup, Md. The project budget is $2.4 million and will be completed in the fall of 2015.

Project Services

The Project Services Department completed over $40 million in construction and renovation projects in the 2014-2015 fiscal year. Projects included the renovation of O'Neil Hall (formerly known as the Rugby Road Faculty Apartments), the 2nd floor of McLeod Hall, Multistory Building Center for Public Health Genomics, Robertson Hall Career Services and the University of Virginia Investment Management Company (UVIMCO) space in Fontaine Research Park.

O'Neil Hall

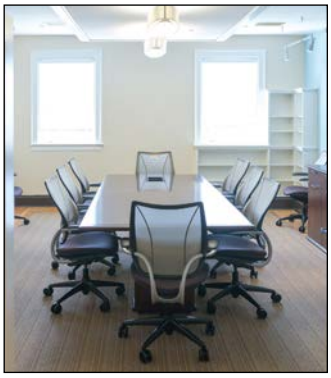
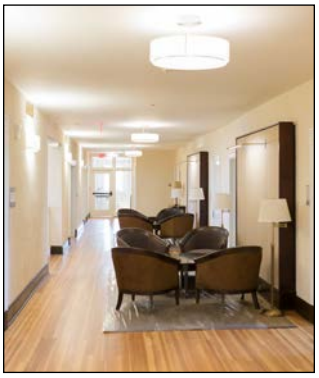




Photo by Sanjay Suchak/UVA Communications (left) and Bree Knick/Project Services Assistant Director for Construction

The $10 million renovation of O'Neil Hall (formerly known as the Rugby Road Office Building) was completed in May 2015. This $10 million project, which renovated 25,000 square feet of the former Rugby Road Faculty Apartment Building, is UVA's largest in-house construction project to date. Work on the historic building first started in December 2013 and was performed by Project Services trades, such as carpenters, electricians, plumbers and masons, as well as other FM groups, such as HVAC controls, fire alarm services and landscape. Building improvements included total MEP renovation, HVAC forced air and sprinkler and fire alarm integration. Historic aspects of the building were maintained, such as built-in bookshelves and French doors. Unique additions include a new terraced patio and bio-retention raingarden overlooking the Lambeth Colonnades as well as new seating areas within the hallways.

McLeod Hall 2nd Floor

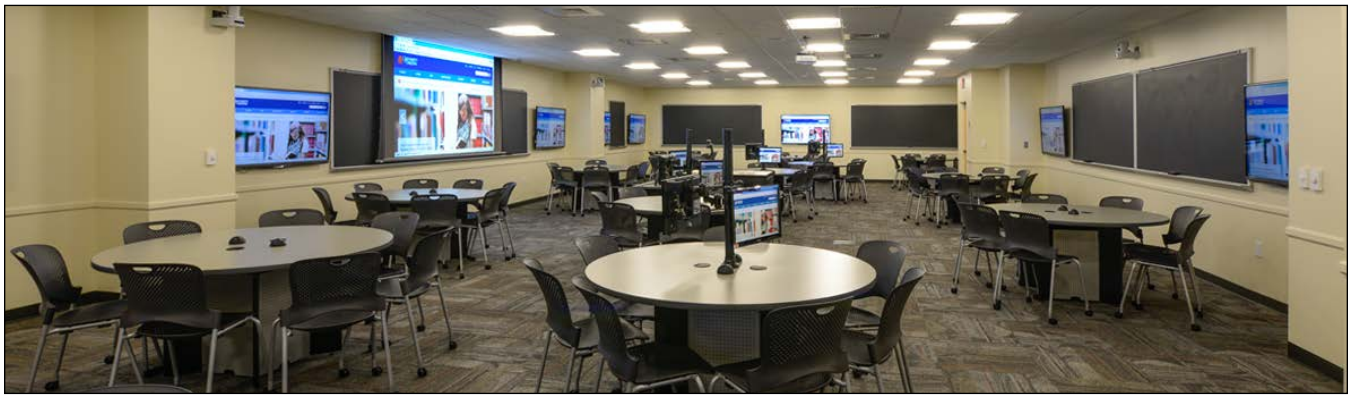


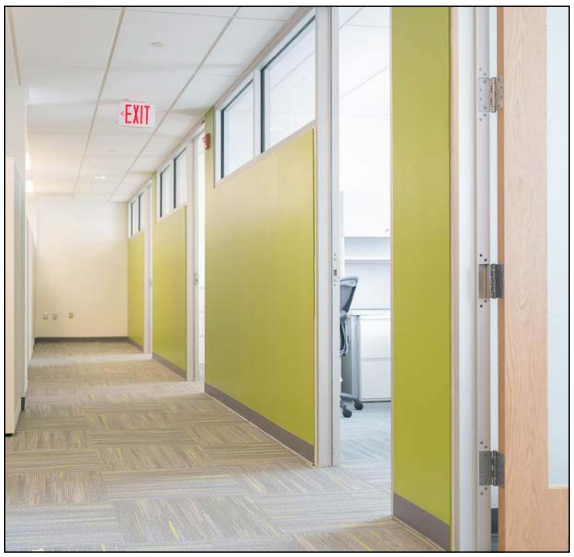
Photo by Jennifer Watson/FM Webmaster

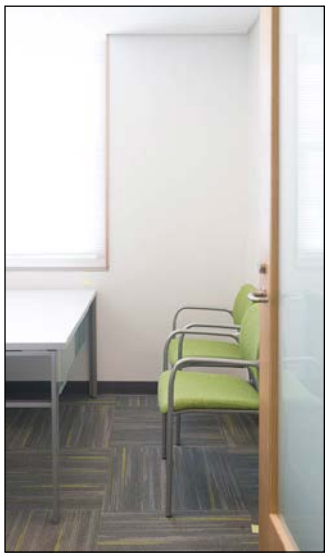
Over the course of six years, Project Services staff renovated all five floors of McLeod Hall, completing their work to the building in early 2015. The $10 million renovation of the 40-year-old building created a variety of unique spaces for the UVA School of Nursing, including a sleek learning studio equipped with audiovisual technology near every work station. The project to renovate the building — which was done in phases with work on the second floor concluding in January 2015 — included infrastructure upgrades to support advanced technology in classrooms and meeting spaces. Project Services staff installed more than 25 miles of wire by hand throughout the entire building, in addition to more than seven and a half miles of conduit and more than two miles of new duct for the HVAC system, as well as approximately 3,000 sheets of sheetrock to replace walls and ceilings. The project also created enhanced simulation and procedure labs, a café and coffee bar, videoconferencing rooms and two resiliency rooms available for yoga and meditation.

Multistory Building Genomics

Photos by Bree Knick/Project Services Assistant Director for Construction

Project Services converted an existing research wet lab space to computer research office space for the Center for Public Health Genomics. The project renovated 2,400 square feet on the sixth floor of the Multistory Building (Old Hospital) between March-June 2015. Nalls Architecture and Vansant & Gusler, Inc. provided architecture and engineering for the $400,000 project. During the renovation, the project team was able to salvage the casework and sent it to other departments that may find use for it.





Robertson Hall Career Services

Photos by Bree Knick/Project Services Assistant Director for Construction

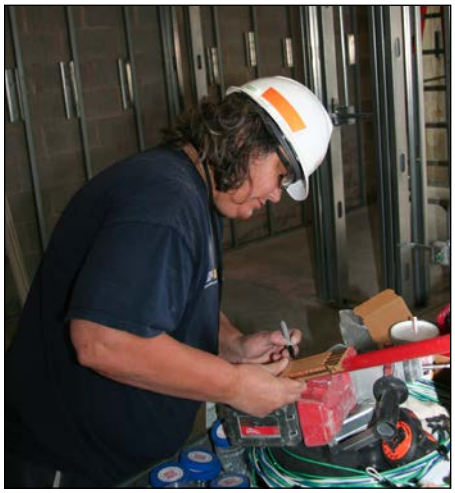
This project reconfigured space within Robertson Hall to be used by Career Services. The project transformed infrequently used office suites and common areas into a new receptionist area, conference room and offices. The project was completed from July-August 2014.

UVA Investment Management Company (UVIMCO)

This project expanded office space for University of Virginia Investment Management Company (UVIMCO) on the fifth floor of 560 Ray C. Hunt Drive in the Fontaine Research Park. Renovations were completed in phases with initial work involving an expansion into a new area of the floor, the second phase included renovations of the existing space and the third phase involved the installation of new carpeting in the existing office. BWR Architecture provided architectural and engineering services.

Project Services Employees at Work

Project Services is comprised of over 100 highly trained trades people responsible for performing renovations and improvements to Grounds. Services that the group performs include environmental remediation, carpentry, masonry, plaster repair, sheet metal, plumbing, electrical, cabinetry, sign design/fabrication and moving/general services.



Electrician Cheryl Larocco (left) measures pipe for the second floor of McLeod Hall; Mason Senior Glenn Tolbert (right) works on the demolition of a wall on the first floor of Wilson Hall.

Electrician Apprentice Dwayne Wood (left) installs an electrical box in Wilson Hall; Carpenter Apprentice Devante Dowell (right) measures trim on an exterior window of the Public Safety Substation.

Sheet Metal Assistant Technician Stephen Volenick (left) creates new ductwork for shop renovations; Carpenter Apprentice Vu (Andy) Nguyen (right) builds a new work station for the cabinet shop.

Sustainability

Facilities Management continues its support of the University's sustainability goals through initiatives in Facilities Planning & Construction and Operations.

FP&C project managers pursue Leadership in Energy and Environmental Design (LEED) certification for any capital projects with a total project budget of $2 million or more. For the 2014-15 fiscal year, the following eight projects achieved LEED certification or better:

- Gold: Battle Building.
- Silver: UVA-Wise Smiddy Hall Renovation & IT Building; Ruth Caplin Theatre Drama Addition; CRU/Neurosurgery Renovation; and North Grounds Rec Center Expansion.
- Certified: SEAS Student Project/FM Shop Building; Old Jordan Hall Microbiology Central Corridor Laboratory Renovation/7th Floor; and Pavilion X.

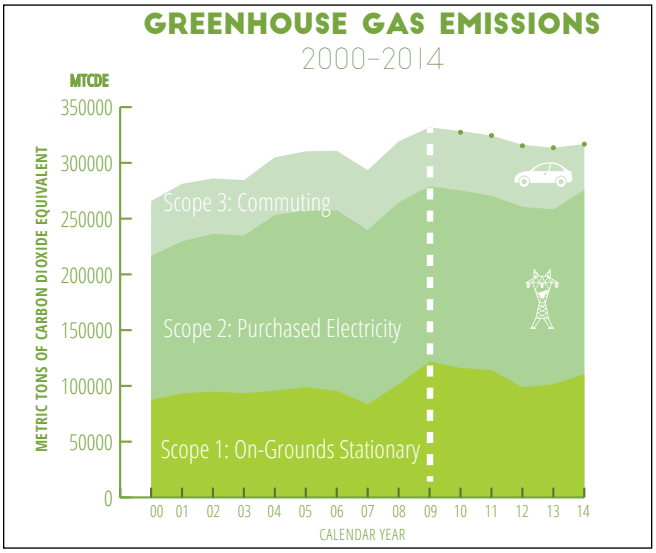
The renovation of the historic Pavilion X — which was LEED certified in May 2015 — was completed by Project Services. The project included upgrades to the mechanical and electrical systems, requiring some creative problem solving to maintain all of the original building elements. Ducts were located below the floor instead of above the ceiling. Original power routing was discovered under the floor boards and was re-used when possible. In Pavilion X, historic elements live side by side with modern technology, such as a building monitoring system that visually communicates to the occupants the temperature in the various heating and cooling zones.

Operations provides sustainable, economic, and reliable energy, utilities and services to facilities in support of the educational, research, health care and public service mission of the University. This mission is accomplished with appreciation for renewable and recoverable resources, dedication to environmental stewardship and pride in the historical and cultural legacy of the facilities and Grounds.

To date, the University has achieved a 1% reduction in greenhouse gas (GHG) emissions and a 4% reduction in building energy use intensity despite an increase in square footage.

Photo by Jennifer Watson/FM Webmaster (top)

This fiscal year, the Battle Building (top) achieved a LEED Gold rating and Pavilion X (below right) achieved a LEED certification. HVAC Mechanic Darrell Carr (below left) digs a trench below the floor at Pavilion X where the new ductwork was placed. Creative problem solving was needed on the renovation of this historic home to ensure it complied with all of the LEED requirements.



Designed by Sakib Ahmed/OFS Communications Coordinator

To date, UVA has achieved a 1% reduction in greenhouse gas emissions and a 4% reduction in building energy use intensity despite an increase in square footage. One of the University's goals is to reduce greenhouse gas emissions to 25% below the 2009 level by 2025.

Office for Sustainability student volunteers promote recycling during the Game Day Challenge at the UVA homecoming football game in October 2014. The Game Day Challenge is a competition between colleges and universities to divert recyclables and compost from the landfill during their home football games.

Photo by Dan Addison/UVA Communications

A worker with Lakeside Electric changes out the fluorescent light tubes with more efficient ones in Hereford Residential College. This was one of many projects completed by the Delta Force team to reduce energy costs.

At the North Grounds Mechanical Plant (left), Westley Chesser engineered and programmed a highly sophisticated control system that optimizes plant operation and is the first UVA plant that utilizes heat recovery chillers. The Building Automation System controls design and installation at O'Neil Hall (right) was successfully led by Will Muncaster and assisted by Mike Rosson, Rona Rose, Brad Ingram, and Steve Ackerman.

Electricity used for heating, cooling, lighting, equipment, and similar applications, as well as fossil fuels used for heating, account for 86% of the GHG emissions. Commuting to and from Grounds is the third largest source, followed by transportation on Grounds. One of the UVA's goals is to reduce greenhouse gas emissions to 25% below the 2009 level by 2025.

Operations teams and programs made additional progress on sustainability goals in fiscal year 2014-15. Accomplishments included:

- Achieved a recycling rate of 31.5% of the municipal solid waste stream and a diversion rate of 54.2% when non-MSW materials — such as tires, lamps, ash, electronics, batteries and oil, which get recycled or reused — are included in the total recycling numbers.
- Earned $102,249 from the sale of recyclables.
- Avoided a calculated $6.6 million in expenses this year alone through halting the rate of electricity growth from that of the 1980s. This also yielded environmental benefits by avoiding the consumption of over 101 million kWh of electricity, which would have produced over 57,600 tons of carbon emissions.
- Avoided at least $1 million in expenses by implementing new controls technologies and optimizing operations in the central chiller plants.
- Avoided almost $2.2 million in costs through aggregating our power supply through substations rather than having direct drops from Dominion Virginia Power.
- Received $879,590 in sewer credit refunds from the City of Charlottesville for metering water used in irrigation or lost through evaporation in cooling towers.
- Avoided a cost of $4.35 million in FY15 through Delta Force retro-commissioning work that began in FY08.
- Received a $210,000 payment for participating in the interruptible load response program.
- Achieved a substantial amount of progress in replacing, upgrading, expanding or enhancing utilities systems and programs that reduce energy and water use, reduce greenhouse gas emissions and enhance reliability of energy and utility infrastructure.
- Established the Building Optimization Team under Automation Services and the Maintenance Optimization Team to focus on initiatives in these key areas.

In FY15, the Office for Sustainability (OFS) continued to be involved in university-wide sustainability committees – leading some of the subcommittees and several of the working groups, and supporting the Committee on Sustainability, its three subcommittees, the 14 working groups, and eight task forces. Because of collaboration among many people, the University was awarded a Department of Education Green Ribbon Schools award and also achieved AASHE STARS Gold certification.

Members of the OFS team have also presented on UVA's sustainability programs at several national and regional conferences and webinars and continue to pursue local and national partnerships.

In February 2015, the FM Sustainability Council was formed, co-chaired by HSPP Deputy Director for Operations Derek Wilson and Sustainability Director Andrea Trimble. The council is framed around the Green Workplace (GWP) program. Nine GWP leaders across FM were identified and are leading their respective areas in building sustainability awareness and increased action.

The Recycling team's Reusable Office Supply Exchange (ROSE) Program monthly mobile closet at UVA Hospital has proven to be a key focal point for the sustainability efforts around the health system. Additional mobile ROSE locations are planned for the coming fiscal year. Construction continues on the new Recycling sorting facility at Fontana Food Center, with a move to the new facility expected in the coming year.

The Delta Force program continues to show considerable financial savings and emissions reductions. In FY15, Delta Force projects avoided 207,067 MMBtu of energy use and 12,205 MTCDE of greenhouse gas emissions and resulted in $4.35 million in avoided costs.

A "Building Sustainability" pilot was developed for Clark Hall, which tests an approach to connect the outreach and engagement portion of OFS via occupant communication strategies, the Green Workplace Program, and piloting a new Green Labs program. Delta Force is also testing the feasibility of including LEED-EBOM certification into the program — incorporating additional sustainability aspects such as purchasing, landscape, and cleaning, as well as quantitative target goals for energy and water.

Delta Force continues to collaborate with Automation Services' Building Optimization Team — including on projects in Campbell, Clark, and Newcomb Halls. Bryan Hall saw a $38,000 (34%) reduction in energy costs last year — chilled water use was reduced by 75% and electricity consumption by 14%. Additionally, energy evaluations of University Hall, Peabody Hall, and the Fralin Museum of Art were completed and recommendations implemented.

In addition to responding to 15,505 facility-related calls last year, Systems Control Center staff assisted with decreasing the University's environmental impact through diagnostics and analysis of Building Automation System information. Building systems information — such as equipment schedules, simultaneous

Recycling Workers Tyler Fawcett and Fazel Saidal are part of the team that has helped the University attain its goal of recycling 32% of its municipal solid waste, exceeding the state's guideline of 25%.

Photo by Sakib Ahmed/OFS Communications Coordinator

A "Building Sustainability" pilot was developed for Clark Hall, which includes connecting Sustainability staff (such as Outreach and Engagement Coordinator Dana Schroeder, right) with the building's occupants to understand sustainable actions they can take.

heating and cooling, and system overrides gleaned from the BAS — is shared with OFS, maintenance zones, and Automation Services in an effort to reduce energy usage and increase building efficiency.

The Information Systems team supports these initiatives as well through Data Integrity, Data Reconciliation and Data Visualization. This ensures accurate analysis of energy use and building efficiency. This team also continued to work in support of a new University Financial Model (UFM), which has changed how utilities and services from FM are billed to University customers. The first UFM-related billing occurred in July 2015.

In early 2015, a Senior Associate Director of Energy and Utilities position was established within Operations in order to bring focus to energy procurement, generation, and distribution. The intent of this position (filled by Paul Zmick) is to transition from four organizations (Heat Plants, Chiller Plants, Power and Light, and Utilities Distribution) into one integrated enterprise that collaborates deeply throughout FM and the University.

The 2015 E&U Master Plan provides a 25 year perspective of the energy and utilities infrastructure needs of the University. The document was updated this year with the help of staff from the Geospatial Engineering Services team using an innovative approach. By integrating geospatial technologies into the process of collecting, aggregating, and displaying information from the various consultants and collaborators, the GES team built an interactive application specifically for the Master Plan.

The Chiller Plants have accomplished 20% efficiency improvement since 2009. This translates to approximately $1 million of avoided electricity purchases per year. Major projects accomplished by the Heat Plants this year include the replacement of obsolete boilers at the North Grounds Mechanical Plant with three low temperature hot water generators and four heat recovery chillers. In addition, burners on the four medium temperature hot water generators at the Massie Road Plant were replaced with 9.9 MMBtu burners and two new 6 MMBtu hot water generators were added.

E&U assisted with the McCormick Road Utility Tunnel project throughout the year, including relocating gas and water lines and providing power to temporary chillers that served McCormick Road during its 90-day closure in the summer of 2015.

In collaboration with the Office of the Architect, Programs & Informatics, the Senior Vice President for Operations and the Security and General Safety Committee, Power & Light completed $956,400 worth of high-priority lighting improvements across Grounds during FY 2014-15. Phase II improvements worth $1.25 million and Phase III work worth $1.33 million are ongoing. These improvements achieve benefits, that include enhanced safety and reduced light spillage and night sky light pollution. Performing the work with in-house forces yielded efficiencies and benefits totaling an estimated savings of $184,818 to date.

As part of the Charlottesville Business Innovation Council's annual Tech Tour, groups of area high school students visited Facilities Management's Main Heat Plant (left) and East Chiller Plant (right) in October 2014 to learn how the staff uses technology. The Heat Plant hosted more than 150 visitors this year, including a delegation of Chinese government officials.

Power & Light staff completed $956,400 worth of lighting improvements across Grounds during this fiscal year, including this section along Massie Road.

Operations

In 2014 and 2015, UVA again received top accolades for its architecture and Grounds thanks to the many FM staff members who work hard to maintain the University's interior and exterior facilities.

BestCollegeReviews ranked UVA as the number one most beautiful campus in the U.S. and *Great Value Colleges* ranked the University No. 4 on its 2015 list of the 40 Most Beautiful College Campuses in Rural Areas.

In addition to the daily upkeep of Grounds, the Landscape team completed many installation projects this year from small garden renovations to major installations around new and renovated buildings, including the new Gibbons residence hall. A new rain garden at Ruffner Hall also improved the experience walking from the McCormick Road residence halls while alleviating erosion issues.

This year, the team also significantly reworked the FM Snow Removal Plan for the winter of 2014-15. Changes included creating dedicated snow removal zones managed by a snow zone supervisor, implementing 24 hour service, with crews focused overnight on clearing primary sidewalks and the creation of a three tier response system, allowing FM to ramp up its response as conditions worsen. New snow removal equipment was also purchased, allowing for more walks to be cleared faster by one person, while providing safety and comfort to the operator of the equipment by having them in a heated cab.

In June 2015, an all-hands-on-deck audit and inspection of UVA's stormwater program (which is managed by Environmental Resources) was completed by the Virginia Department of Environmental Quality (DEQ) and the U.S. Environmental Protection Agency (EPA) contractors. This audit was done to determine UVA's level of compliance with the Municipal Separate Storm Sewer System (MS4) permit. Covering two days, the regulators went through Environmental Resources' records and mapping, inspected their stormwater best management practices (BMP) and facility operations, and questioned/observed FM staff from Environmental Resources, GES, Landscape, and Utilities on their stormwater-related tasks.

Landscape Worker Kassim Hassan was part of a team that planted trees, shrubs and grasses surrounding the newly constructed Gibbons House residence hall along Alderman Road.

The Landscape team is the first responder during inclement weather and is responsible for maintaining vehicular and pedestrian access routes across Grounds.

Virginia Department of Environmental Quality (DEQ) and the U.S. Environmental Protection Agency (EPA) contractors visited the Emmet-Ivy Garage as part of their inspection of UVA's stormwater program, which is managed by Environmental Resources.

Building Services frontline staff members are recognized for their hard work during the department's quarterly "This is How We Do It!" Awards ceremony in November 2014.

Maintenance teams often investigate the condition of the University's historic buildings, reporting information back to the historic preservation team. Carpenter Chris Herndon (left) and Painter Kenny Thompson (right) inspect wood beams outside of Pavilion IV.

This year, Maintenance took the lead in organizing and, with the help of other FM work groups, set up UVA's first-ever two day Final Exercises. Splitting up the schools allowed more family members to attend each day. About 200 FM employees were involved in the setup and take down of the two-day event.

While the final report is not complete, the inspection team noted that UVA is far ahead of the curve with respect to the other MS4 permits out there and the Environmental Resources team was praised for having an excellent program.

During FY 2014-15, Building Services continued its growth as a leader in the industry, attending three national venues (Smart and Sustainable Campus Symposium, APPA and SRAPPA) to present success stories, including information about receiving the prestigious Green Seal GS-42 Certification for cleaning in October 2013.

In 2015, the Gallup Q-12 survey that measures employee engagement was administered to the entire Building Services team of over 250 frontline, supervisory, and management employees. Results showed that 64% of employees are engaged — twice the U.S. average. Engagement is a key indicator of productivity levels and organizational success. Facilities Maintenance work teams are organized in two ways: Maintenance Zones, which are multidisciplinary crews that are physically located around Grounds to serve specific groups of customers and facilities, and Specialty Trades Shops, which provide services across all zones.

This past year, the Maintenance workforce provided $17.6 million worth of professional services in the areas of electrical, plumbing, HVAC, roofing, fire protection, elevator service, general maintenance, and operational support. Despite continued growth in the number and size of UVA's facilities, these costs are nearly $1 million below FY12, and the net increase over last year's spending is less than the combined increased costs of wages, benefits, and materials.

In 2015, the 190 employees in these shops and zones carried out 30,688 preventive maintenance work orders and responded to an additional 19,892 service requests. Typically, two-thirds of all service requests are responded to within one day. Maintenance teams are a critical part of FM's success in lowering the percentage of building condition deficiencies, helping achieve its industry-leading goal of a Facility Condition Index of only 5%.

FM is concluding the first year of a four-year effort to ensure the University is in compliance with the National Fire Protection Association (NFPA) code for testing and maintenance of fire

dampers. UVA has thousands of these hidden components in its buildings' ductwork. In the past year, more than 1,000 dampers have been surveyed, field tested, and in 10% of cases, repaired.

By combining several strategic concepts and new information and visualization technologies, a small and multi-disciplined group of FM employees led a new charge this summer to enhance the services that Facilities Management provides to UVA's summer conference guests. Every summer, Conference Services hosts more than 10,000 guests from athletic camps, adult seminars and student orientations in the University's residences.

Staff members from Maintenance, Building Services, Geospatial Engineering Services (GES) and Technology & Innovation worked together to develop and utilize an online color-coded mapping tool tracking the status of UVA's entire inventory of rooms. This new tool was linked to an online inspection tool that was created by Technology & Innovation staff in 2014. Frontline supervisors can access this tool in the field using an iPad to update the status of the rooms, tracking deficiencies and efficient deployment of their employees. FM managers and staff from Conference Services may also view up-to-date availability of rooms, streamlining communications and improving the accuracy of bookings.

In addition to its support of summer conference season, GES was also instrumental in providing support for the McCormick Road Utility Tunnel Project. From continuous utility marking updates, alternate routing of infrastructure and GPS data collection to project status maps, the whole team helped keep the work site safe and the community informed throughout the summer. The GES team also created a new dataset to track the placement of radio-frequency identification (RFID) marker balls, installing these marker balls on utilities on the McCormick Road tunnel in addition to the Rotunda renovation site and Newcomb chilled water interconnection site.

The Health System Physical Plant Engineering Office provides technical assistance throughout the Health System including inspections, drawing reviews, ICRA/ILSM training, and engineering support for major renovation efforts. The Engineering Office's work is integral to obtaining and maintaining the University's

A new Conference Services tool, which displays a colored-coded map of the status of rooms to be maintained and cleaned, was developed with the help of various FM staff including (from left), GIS Analyst Drew MacQueen, Building Services Quality Assurance & Staff Development Manager Sandra Smith and Assistant Director for Maintenance Mike Payne.

This year, the GES team installed radio-frequency identification marker balls on utilities around Grounds. The new marker ball technology will allow the team to more accurately locate utility lines underground in the future. The balls are color-coded based on type of utility and contain electronic data about the lines.

HSPP Roof Inspector Warren Britts handled the daily inspections per contract documents for the University Hospital Roof Replacement over the main lobby of the hospital. FP&C Construction Manager Nate Brown and Project Manager Will Moore handled all of the HECO requirements. (See front cover for photo of the completed vegetated roof.)

The Clinical Department portico roof project was assigned to HSPP Project Manager Warren Britts. The project was generated from water leaking into the building due to improper installation of flashing. A large portion of the gutter framing, roof deck, and rail columns were replaced.

HSPP Contract Manager Steve Bunch monitored L.A. Lacey and Design Electric's work in the removal of the emergency generator located in the mechanical room on the 5th floor of the Private Clinics.

HSPP Zone 4 crew used a 40-foot articulating man-lift to reach lights in the lobby of Snyder Transitional Research building. Pictured: Scott Martin (HVAC) in the bucket, Scott Harrison (HVAC) and Lawson Marshall (Bud) Koontz (Electrician).

accreditation from AAALAC (vivarium facilities), and CMS/The Joint Commission.

The HSPP Fire and Safety Division provides inspections for ongoing major renovations throughout the Medical Center to ensure that all Health System facilities meet required Life Safety and Fire Safety codes. Continuous compliance inspections and bi-annual fire safety inspections for all patient care areas are completed each year. HSPP was involved in assisting UVA Medical Center in maintaining their Joint Commission accreditation following the triennial survey in March 2015.

HSPP Zone Maintenance teams continue to support Health System operations through well-established maintenance programs, including preventive, corrective, and deferred maintenance. Accomplishments included:

- Zone 1 upgraded the Pneumatic Tube System and assisted with renovations on Primary Care Center's 4th floor. AHU upgrades are ongoing throughout the zone.
- Zone 2 completed the replacement project of water heaters in MR4 and Elson Hall. They also assisted in power meter installation in MR5 and provided routine maintenance and prep work for inspections (AAALAC, CDC).
- Zone 3 provided ongoing repairs and replacement of pipes for Multistory and Old Medical School Building. They also assisted in upgrading air handlers and external lights in surrounding buildings.
- Zone 4 was involved in the installation of a 20-ton HVAC unit at Moser Radiation and the installation of a bulk oxygen system for Transitional Care Hospital.

HSPP Zone Support Groups consist of six trade shops — plumbing, electrical, carpentry, painting, masonry/plastering and welding — completing turnkey projects for Health System facilities. The scope of work included installation of EPIC monitors and related equipment, pest control lights at the Battle Building, and repairs to the 5th and 6th floors of the hospital due to flooding. Other projects included fire door replacements, renovations of the Patient and Guest Services offices, and the Medical Research Building Lab 3150 (MR4). The support team is continuously handling emergency projects and assisting project managers.

For more of Operations' accomplishments, view the FY 2014-15 Operations Annual Report.

Programs

Technology & Innovation

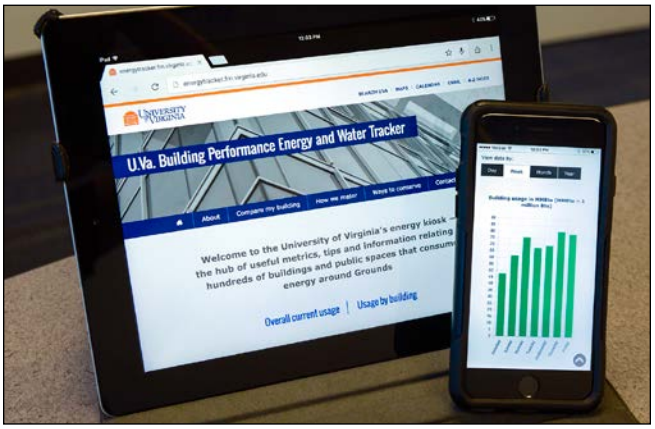
Facilities Management's Technology & Innovation team provides and supports the necessary information technology (IT) for a highly integrated, state-of-the-art office automation system and critical business applications in the Facilities Management (FM) organization.

Technology & Innovation services include: a full-service computer helpdesk, web & application development, maintenance and support of FM business systems & databases, servers & IT infrastructure and IT security.

Significant accomplishments for 2014-2015 included:

- Deployed Microsoft System Center Configuration Manager (SCCM) as a solution to enhance centralized management of FM's 700+ computers. SCCM provides for centralized patch and upgrade management and eliminates the need for manual upgrades to FM PCs.
- Continued transitioning FM systems to the UVA Data Center in order to provide off-site redundancy for critical systems.
- Continued work with Energy & Utilities and ITS to migrate building controls to a new UVA VLAN to isolate network traffic for building automation system and infrastructure devices. This new network improves security for these infrastructure devices. Participated in a review of building control system security.
- Worked with FM departments to streamline and automate business processes with SharePoint workflows. Projects of note included an online Rewards & Recognition process, a Building Services inspection form and a Career Path application.
- Completed the replacement of FP&C's legacy Project Information Management System (PIMS) with E-Builder, a cloud-based SaaS solution.
- The help desk installed 180 computers and tablets and responded to more than 3,300 calls for assistance in the 2014-15 fiscal year.

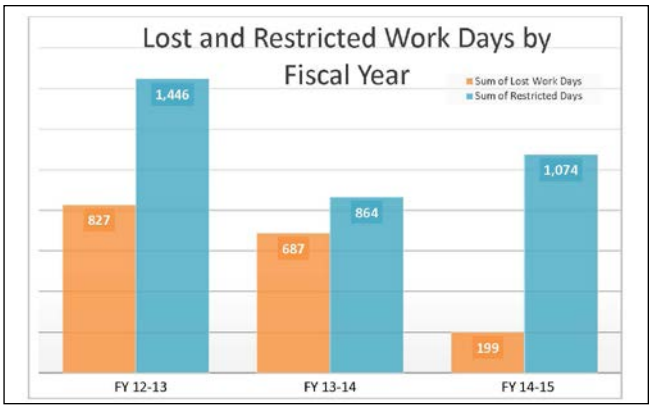
Photos by Jennifer Watson/FM Webmaster



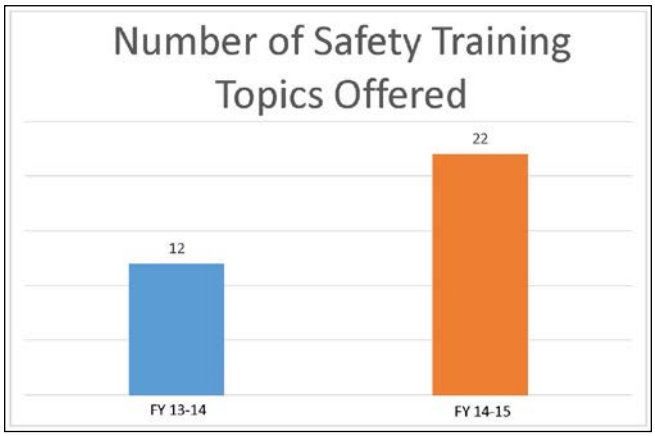
T&I staff developed the recently launched UVA Building Performance Energy and Water Tracker website which quantifies energy and water demand and consumption on Grounds in real time.

FM Helpdesk staff — including Joey Bailey (left) seen here assisting Carpenter Chris Toney — provide comprehensive technical support for FM.

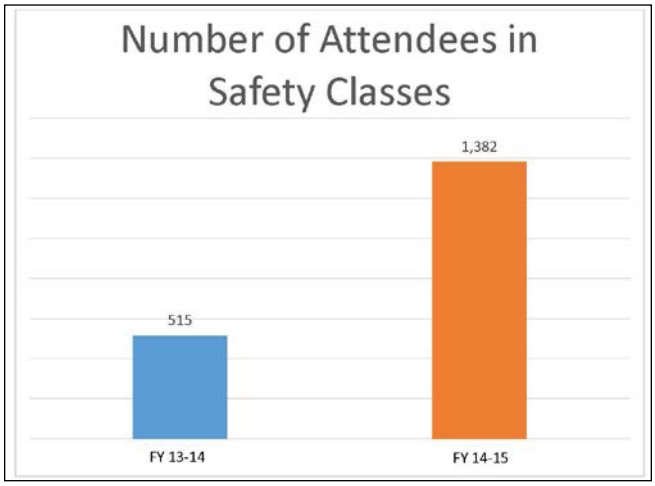
T&I staff are responsible for maintaining FM's extensive portfolio of servers and IT infrastructure. Off-site server co-location is a critical component of the FM disaster preparedness plan.



This graph shows the reduction in the number of lost work days over the last three fiscal years. The decrease in lost work time has been accomplished by working with physicians as well as FM department to accommodate any required work restrictions.



This graph indicates the increase in the number of safety and health training topics offered to FM employees over the past two fiscal years to not only meet regulatory requirements, but to help them conduct their tasks in a safe and healthful manner.



This graph shows the dramatic increase in the number of attendees in the classes offered over the past two fiscal years. This indicates greater participation in the safety and health program as well as more effective communication between departments and FM-OHS on the training needs.

Occupational Health & Safety

Safety continues to be at the forefront of everything we do at Facilities Management. Because of this commitment, Facilities Management personnel have embraced the goal of becoming the safest place to work in higher education.

This effort was kicked off with the hire of Laura Duckworth as FM's first Safety Director in August 2014 and continues with the reorganization of FM-Safety, now called FM-Occupational Health and Safety (FM-OHS, for short). FM-OHS is responsible for supporting: Construction Safety with Project Services, Facilities Planning and Construction and Health System Physical Plant; General Industry Safety with Operations, Project Services and Health System Physical Plant; and record keeping for OSHA required medical surveillance, safety and health training, air and noise sampling data, and filing workers' compensation claims. FM-OHS is also currently working to gather predictive data so that we can be more proactive in our approach to health and safety, versus the more traditional reactive data collection based on accidents. This predictive and more proactive approach is accomplished through effective training and education, comprehensive program development and full employee engagement in the safety and health program.

Training and Education

The FM-OHS team is currently working in a more discussion-based environment to educate and train FM employees on how to safely perform their job tasks. This approach allows employees' input into the conversation, making sure that areas of concern are addressed while at the same time meeting the regulatory requirements. As people learn more about safety and health at FM and what roles they play, the more committed to the goal they become.

To that end, the FM-OHS training program has continued to expand, which is evidenced in the increase in the number of safety training topics offered and the number of attendees in those courses (see graph at bottom left). Safety and health education is one of the most important features to an effective safety and health management program. If employees are not trained on how to work safely and provided the tools to do so, the program is destined for failure.

In addition to the formal safety and health training employees are required to attend, each functional area conducts toolbox talks. These toolbox talks are focused discussions on a variety of safety topics passed out during monthly safety committee meetings. Toolbox talks are an effective way to raise safety awareness in a short, directed way.

Program Development

FM-OHS continues to support Facilities Management by focusing on safety and health program development to include written programs, training, hazard identification and hazard mitigation. While FM-OHS serves as a resource to all of FM, the safety and health program is owned and improved upon by all FM employees. Each employee plays an active role in the continued effectiveness of the safety and health program. As written programs are developed, FM-OHS is meeting with key stakeholders to get input and comments. This not only encourages participation, it identifies opportunities for improvement. It affords employees the chance to weigh in on controls that might work to reduce or eliminate the hazard in lieu of using personal protective equipment.

Employee Involvement

The development and maintenance of programs would not be possible or effective without the continued buy-in and support from employees throughout FM. As overall awareness of safety and health in the workplace rises, employees are supporting each other and working together to build that safety culture. Employees are encouraged to stop work and seek assistance if there are any safety concerns associated with a task to be performed. This is fully supported by all levels in Facilities Management.

FM employees understand the importance of a safe and healthy work environment. With that acknowledgment comes a pride in the work being conducted, a confirmation that the University cares for everyone's wellbeing, and increased productivity. Everyday our staff strive to perform their tasks in the safest way possible. There are open lines of communication between supervisors as well as upper management and FM-OHS because at the end of the day everyone wants to go home safe and sound.

Employees participating in scissor lift training. This training requires a classroom session, a hands-on session, and a quiz to show comprehension.

Utility Locator/Damage Prevention Technician Brad Pace (left) and Supervisory Senior Construction Administration Manager Richard Sergi chat on the site of the McCormick Road Tunnel project, wearing all the appropriate personal protective equipment for the job.

Facilities Management started a Stretch and Flex program, partnering with Hoo's Well. Departments stretched together before setting up chairs on the lawn for Final Exercises. Stretching before beginning work helps to warm up the body and reduces the likelihood of musculoskeletal injuries.

Resources, Training and Development Programs

This fiscal year, HR&T redesigned its staffing support model to focus on customer relationships and add value to the recruiting process, including pre-screening of candidates and strategic recruitment planning.

With an enhanced emphasis on employee health and safety and the hiring of our first safety director, the 2014 Leadership Forum was held in October with the theme: "Double-Check for Safety." The keynote speaker was UVA Executive Vice President for Health Affairs Dr. Rick Shannon and managers also rotated through four workshops on: Safety & Health Expectations; Safety Team Services and Accident Reporting; Healthcare and Construction Maintenance, and Job Site Safety.

In April 2015, HR&T hosted the fourth annual Manager Enrichment session which provided 65 senior level managers and directors with opportunities for networking and leadership development. The morning session titled "Developing your Leadership Brand" was presented by Carolyn Cullen from the Center for Leadership Excellence.

With the support of senior leadership, HR&T achieved a significant milestone in reaching its goal to have all FM employees trained in the University's Respectful Workplace Program, an initiative from President Sullivan that promotes "a caring community that aspires to treat every individual with kindness, dignity and respect." During this fiscal year, over 900 employees, including temporary staff, were trained to total more than 1,100 employees trained in the program to date.

English as a Second Language (ESL) and General Educational Development (GED) classes continued to be offered on Grounds through a partnership with the Charlottesville City Schools Adult Education Program. This year, 12 FM employees participated in GED classes and 15 employees attended ESL classes. Additionally, we honored one award winner from the GED Voices of Adult Learners essay contest at this year's Apprentice & Education Recognition Ceremony. At that same ceremony, six employees were recognized for educational achievements including three employees who earned their Associate's Degree, two who earned their Bachelor's Degree, including one from the University of Virginia, and one of our HR&T staff members who earned her Master's Degree.

We continue to support two important UHR training courses by recruiting employees for Leadership Essentials and Essential WorkSkills. During the fiscal year, 17 FM employees completed Leadership Essentials and 31 FM employees completed Essential WorkSkills.

We continued our on-site Trades Recertification training as a service to FM employees who are licensed in the construction trades. This past fiscal year, 211 employees participated in trades recertification classes, up from 151 the year before.

As of June 2015, Facilities Management had 26 apprentices across various trades. During the 2015 application period, we received more than 600 applications for the six postings being recruited in the trades of electrical, HVAC, plumbing, plastering, masonry, and carpentry. Out of those applicants, 13 apprentices were hired due to their high caliber — three into electrical, one into plumbing, three into carpentry, one into masonry, one into plastering and four into HVAC. New apprentices included five minority hires.

In addition to those apprentices who were inducted into the program, we also had the honor of graduating six apprentices, including two females and one minority. There was one graduate in electrical, three in plumbing and two in carpentry.

At the July 2015 Apprentice & Education Recognition Ceremony, Associate Vice President and Chief Facilities Officer Don Sundgren and UVA Senior Vice President for Operations Colette Sheehy (top) display a certificate received from the Virginia Department of Labor & Industry recognizing the program's more than 30 years of service. UVA Executive Vice President and Chief Operating Officer Pat Hogan (bottom) congratulates Plumbing Apprentice Inductee Marcus Klaton.

Compensation, Classification and Career Paths

The University engaged in several compensation initiatives this fiscal year. As occurred last fiscal year, the University implemented a merit pool (2%) to enable schools and units to recognize the performance of University Staff. In addition, a 1% market adjustment for eligible University Staff and A&P Faculty was provided. During this time, a Lowest Paid Initiative also occurred whereby FM was provided $100,978 to use toward addressing compensation issues with University Staff that are low paid in comparison to market. These funds were spent on Apprentice increases, Career Path increases, and increases to staff that were low to market with effective or higher performance scores for the last two years. The legislature also approved for a Classified merit increase of 2% across the board plus a $65/year compression adjustment for eligible Classified Staff.

Across the three Career Paths of Housekeeping, Landscape and Recycling, FM has nearly 200 employee participants. During the fall assessment, FM had two Custodial Services Workers complete stage 4 of the Career Path, becoming the first graduates. In total, 45 staff were recognized for having completed a stage and those who were eligible received a compensation adjustment. Specifically, there were 30 advancements in Housekeeping, six in Landscape and six in Recycling, our most recently implemented Career Path.

During the fiscal year, Reward & Recognition Awards totaled $115,450 for 276 employees. FM HR&T developed and published a new Rewards & Recognition tool that allows any employee to nominate another for a reward via an online portal. This new portal has allowed for streamlined processing and removal of most paper forms from the process.

In October 2014, the UVA Office of Equal Opportunity Programs recognized HR&T Director Rebecca Leinen (center) as an EOP Champion. She is congratulated by Deputy Chief Facilities Officer Rick Rice, HR Generalist Judy Mendoza and Employee Relations Specialist Sarah McComb.

This year, 152 Facilities Management employees were recognized at the University's Service Awards ceremony as serving the University for 10 or more years. Of those employees, 42 were honored as having achieved 25 or more years of service.

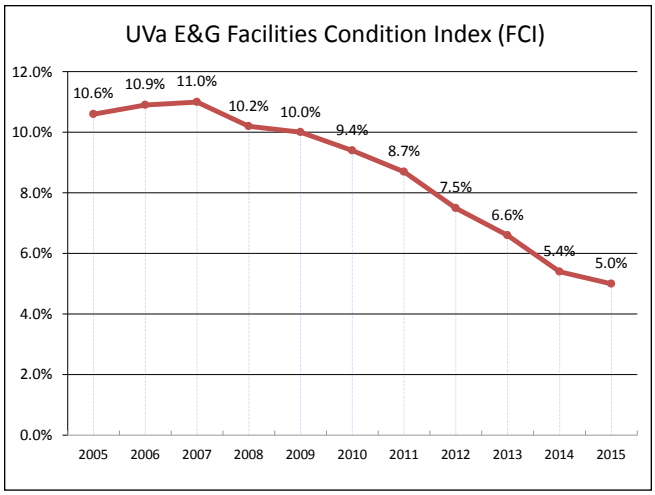
Communications & Outreach

In October 2014, the UVA Office of Equal Opportunity Programs (EOP) recognized three FM employees as EOP Champions. HR&T Director, Rebecca Leinen, was honored as an EOP Champion for her leadership in FM outreach practices to recruit non-traditional applicants to the skilled trades, including women in the trades at FM. An EOP award was also presented to the UVA Military Veteran Employee Working Group, which includes FM Senior Project Manager, Mike Vanderweide, and Systems Control Center Manager, Nina Green.

In response to feedback submitted to the CFO Office regarding the Facilities Management quarterly newsletter *Perspective*, a committee of five employees across multiple FM departments was established in January 2015 to examine both the goals of *Perspective* and the quarterly flyer *Fast Facts* and suggest improvements to these publications. The committee anticipated proposing changes to FM Directors in the fall of 2015 with implementation in early 2016.

During the spring Apprenticeship recruitment window in April 2015, both current and former apprentices, HR&T staff and FM leadership appeared on television and radio programs promoting the program and the Apprentice Job Fair which took place on April 8, 2015. HR&T Employee Relations Specialist Sarah McComb appeared on the Newsplex *UVA Today* program, Zone Manager and 1986 Apprentice Graduate Clarence Wells appeared on the Newsplex evening news and Associate Vice President and Chief Facilities Officer Don Sundgren and Plumbing Apprentice Caitlin Murtaugh appeared on the WCHV Joe Thomas radio program.

For more information on Human Resources & Training's 2014-15 accomplishments, view the 2014-15 HR&T Annual Report on-line.



This chart displays the Facility Condition Index (FCI) over the past 10 years. The FCI is a measure used to indicate the relative condition of a building. FCI is the value of maintenance deficiencies divided by a facility's maintenance replacement value. A high watermark for the past fiscal year was meeting the 5% FCI goal, set by the Board of Visitors in 2005.

Programs & Informatics staff (from left) Brenda Buttner, Shaun Farrell and Joey Tombs helped finalize the transition to AiM, FM's integrated workplace management system. This was a cross-organizational effort involving PI, Technology & Innovation, Finance, Operations and Health System Physical Plant.

The Logistics team works to assist FM shops to reduce inventory while improving material availability. Materials Specialist Lead Vicky Heflin is seen here locating an appliance part in the storeroom.

Programs & Informatics

On March 14, 2015, Pi Day, the moniker "Work Management" changed to "Programs & Informatics" (PI). This change reflects the wide-ranging role of the department and a new focus on using information technology to enhance decision-making. PI works to create an exceptional physical environment, with minimal occupant impact, through programs including:

- Customer Relations & Customer Service
- Preventive Maintenance
- Materials Management and Logistics
- Facility Condition Assessment
- Capital Maintenance & Renewal

A high watermark for the past fiscal year was meeting the 5% Facility Condition Index (FCI) goal, set by the Board of Visitors in 2005. The FCI is a measure used to indicate the relative condition of a building. FCI is the value of maintenance deficiencies divided by a facility's maintenance replacement value. After a decade of major renewal projects and capital renovations, the 5.0% FCI is less than half of the 10.6% value at the end of fiscal year 2005. This was the effort of a broad team that improved UVA's physical environment to its best condition since the Facility Condition Assessment program began in 1981.

Another milestone is that AiM, FM's integrated workplace management system (IWMS), is now the system of record for over 99% of Facilities Management work. We expect to close the prior IWMS, Maximo, completely in the coming year. This frees resources to increase AiM's functionality and enhance data quality.

A notable organization shift is the consolidation of the Academic and HSPP Service Desks. This allows more flexibility in coverage, more process consistency, and increases staff effectiveness through cross-training.

The Logistics team objective is to get the right material, to the right place, at the right time. They worked diligently to assist FM shops to reduce inventory while improving material availability and related processes. This includes regular material deliveries directly to the maintenance zones and chiller plants along with deliveries to other shops on request. The Logistics team also manages uniforms and work gear issued to employees and recently assumed oversight of processing cell phone requests.

Financials

The Finance Department provides accounting, budgeting, financial reporting, accounts payable and payroll support for Facilities Management's total business volume of $296.8 million and 1,123 filled full-time employees in fiscal year 2014-2015.

The department is comprised of Fiscal Operations, Facilities Planning & Construction Financial Services and Energy & Utilities Finance.

University of Virginia Facilities Management Financial Summary 2015

Salaries and Benefits:	$ 74,721,823
Utilities:	$ 53,653,582
Planning and Construction:	
Construction	$ 83,444,731
Architectural & Engineering	$ 24,382,315
Total	$ 107,827,046
Maintenance and Operations:	
Materials and Contracts	$ 52,738,837
Travel and Training	$ 483,098
Information Systems	$ 2,582,327
Other	$ 4,829,436
Total	$ 60,633,698
Total Expenses	$ 296,836,149

Community Involvement

During the annual Day of Caring, FM volunteers spent the day sprucing up the grounds of Camp Holiday Trails. Electrician Nicola Lemmer (left photo) painted the support posts of the camp's office; Carpentry Supervisor Senior Jay Schaar, Carpenter Assistant Emery Wilder and Carpenter David Simpson (right photo, from left) replaced deteriorated deck floor boards.

Day of Caring volunteers (above from left) Landscape & Grounds Workers Ricky Payne and Bryan Ferguson, Landscape Supervisor Chris Kern and Landscape & Grounds Worker Marc Bolen, cleared a pathway leading to the camp's zip line.

Facilities Management employees continue to generously support nonprofit service organizations through several traditional events and individual community work.

During the annual Day of Caring on September 16, 2015, more than 100 FM employees used their skills and energy to improve facilities at Camp Holiday Trails, the Senior Center and the Lane Babe Ruth League Field.

When the Commonwealth of Virginia Campaign held its annual fund-raising event for more than 1,000 non-profit organizations in our region, FM employees donated $24,500.

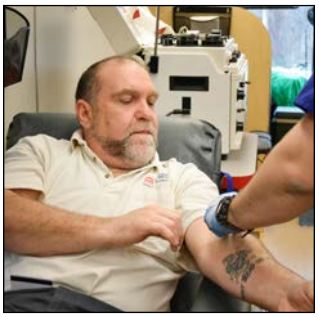
A team of volunteers cleaned interior and exterior windows at the Senior Center, including (above left, from left) Custodial Services Workers Raymond Jackson and Debra Hamm, Housekeeping Supervisor Senior Kevin Key and Custodial Services Worker Rita Shifflett. Camp Holiday Trails volunteers (above right, from left) former HVAC Supervisor Roger Henry and former HVAC Mechanic David Bishop fixed a gas leak on the property (this was the last Day of Caring event the two longtime participants attended before they retired at the end of September).

Carpenter Matt Anderson (left) removed old floor boards on a deck at Camp Holiday Trails. Building Services staff cleaned the interior of the camp's cabins, including (above, from left) Custodial Services Workers Brenda Michie, Wanda Anderson and Tammy Agee.

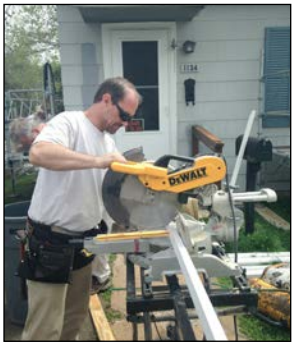
Electrician Senior Fred Gibson (above left) weeds the walkway leading to the staff cabin. Instrumentation & Controls Technician Rona Rose (above right) speaks to a reporter from NBC29 about FM's volunteer efforts on the Day of Caring, which first started in the early 1990s.

Teams installed new electrical outlets around the camp, including Electrical Apprentice Dionte Sims (above left). Volunteers landscaped various areas on the grounds of the camp, including (above right, from left) Project Coordinator Sarita Herman and Safety Director Laura Duckworth.





Our employees are enthusiastic and reliable supporters of the quarterly blood drives sponsored by Facilities Management to benefit Virginia Blood Services. Pictured above from left: Mechanical Trades Superintendent Henry Garrison with HSPP Fire Inspector Mark Breeden, who previously coordinated the blood drives for the past several years; Fiscal Technician Senior Christine Eppard took over as the coordinator of the blood drives starting in December 2014; Maintenance Supervisor Randy Spencer was one of 29 donors during the August 2014 event; and Locksmith Supervisor Troy Miller who donates because he says he likes to help people out and "you never know when you'll need it one day."



FM roofers and carpenters assisted with repairs on a Charlottesville home as part of Building Goodness in April, an annual community event where volunteers repair and rehabilitate 12-14 homes in one-day. Central Grounds Zone Carpenter Chris Herndon (far left), whose mother was helped by this program a couple years ago, led the effort to replace rotted window framing. Working with him were fellow zone carpenters Gene Lyman and G.E. Shifflett (center) and Robbie Campbell. Roofers George Prokopic and Glenn White repaired shingles and flashings. Gene Shirley, retired deputy chief facilities officer, replaced gutters, siding and trim.

Photo by Ryan M. Kelly/The Daily Progress

In January 2015, Master Maintenance Technician Tim Payne was honored by The Daily Progress *as one of its "Distinguished Dozen" for his search and rescue efforts. Tim works in the Housing Zone from Friday through Monday, volunteering much of his time as a search and rescue commander with the Albemarle County Sheriff's Office Reserve Division. During the search for UVA student Hannah Graham, Tim volunteered 200 hours to help coordinate the search. Read the story here.*


Service Desk employees (above left) Deneen Morris, Ernestine Burruss, Teresa Dillard, Val Knapp and Brenda Buttner, show off the collection of donations from FM staff for Charlottesville's annual 2014 Toy Lift that provided holiday gifts for less fortunate children in the area. FM staff loading up the toys for delivery included (above right) Elevator Assistant Mechanic Brandon Good, Elevator Mechanic Kevin Lawrence, General Services Operator Martin Rush and Sign Shop Supervisor Warren Wood. In conjunction with the Cardiovascular Research Center, donations totaled 108 toys, three bicycles and $618.

For the fifth consecutive year, FM employees supported the Salvation Army's School Supply Drive, which benefits low-income 1st through 8th grade students in the Charlottesville and Albemarle public schools. FP&C Permit Technician Betty Bowman, who organized FM's collection of donations, poses with some of the items that were donated including, backpacks, notebooks and pencils. An estimated total of 1,050 school supplies were gathered from all participating area locations.

Organization
Facilities Management
University of Virginia