



## NC STATE HUB ADVISORY COMMITTEE MEMBERS

### NC State Members

#### **Steve Arndt, MBA**

North Carolina State University  
-Associate Vice Chancellor  
Facilities Division

#### **Michael Harwood, AIA**

North Carolina State University  
-Associate Vice Chancellor  
Centennial Campus Development

#### **Andy Snead, PE**

North Carolina State University  
-Director  
Design & Construction Services

#### **Cameron Smith, PE, LEED AP**

North Carolina State University  
-Director, Capital Project  
Management

#### **Lisa Johnson, RA**

North Carolina State University  
-Director  
Office of the University Architect

#### **Henry Hardy, GC**

North Carolina State University  
-Capital Projects Program Manager

### External Members

#### **Patrice Gilmore, CPSD**

-Lend Lease Co.

#### **Willie Russell, Vice President**

-Russell H.J. Russell & Company

#### **Luther Williams BAP Manager**

-City of Raleigh

#### **Valore Eikinas, PE, LEED AP**

-Mulkey Engineers & Consultants

#### **Katherine Peele, FAIA, LEED AP**

-LS3P Associates, LTD

# NC STATE UNIVERSITY

## Wolf Works

Volume II, Issue I

April 29, 2014

### *Message from Cameron Smith, Director Capital Project Management*

If there is one thing we can count on...its "change". And change is the air here at NC State! I'm sad to announce that Kevin MacNaughton, Associate Vice Chancellor (AVC) for Facilities, has retired effective February 28th. Kevin led our division to new heights over the past 10 years and was a very strong supporter of NC State's HUB program. He served as a key member of NCSU HUB Advisory Committee since its inception and was actively engaged in its efforts to strengthen the program, which has served as a model of excellence within the UNC System. I want to thank Kevin for his leadership and wish him the best in his retirement!

As we say goodbye to Kevin, I would also like to welcome our new leader. I am very pleased to announce that Steve Arndt will be joining the NC State family as our new AVC for Facilities. Steve will begin his new role on April 7th, bringing more than 25 years of experience in management of facilities, construction, energy, and space planning. In his current role as Director of Facilities Management at University of Wisconsin Oshkosh, Steve is responsible for buildings and grounds maintenance, campus planning, design, construction, utilities, energy and sustainability. Bringing both familiarity with the UNC system and perspective from the Wisconsin system, Steve is well suited to the challenges and opportunities of this role. Steve previously worked at Fayetteville State University, Brown University, and served in the U.S. Navy.

Welcome, Steve...we look forward to you joining our team!

### *Message from Henry Hardy, Capital Projects Program Manager*

Welcome to the April 2014 edition of Wolf Works. Spring is a welcome sight this year considering the Winter we had here in Central North Carolina. Work is continuing on two major projects here on campus—Talley Student Center, and Centennial Campus Student Housing. We have selected Davis Kane Architecture as the design team for Carmichael Gymnasium Locker Room Renovation and we have selected Corely Redfoot Architects and 360 Architecture as designers for Reynolds Coliseum Renovation & Walk of Fame and DANIS as the Construction Manager at Risk (Holt Brothers Construction - Protégé). We also selected Affiliated Engineers, Inc. as the designer for Schaub, Baltimore/Roberston, Scott, Pulp & Paper and Jordan - Energy Conservation Contract 4. We have just attended the 33rd State Construction Conference and 11th HUB Networking & Expo—as always we are excited about the Historically Underutilized Businesses (HUB) who participated in the conference and we look forward to assisting those businesses in pursuing projects here on campus. We are extremely pleased to introduce three new external HUB advisory committee members: Katherine N. Peele, FAIA, LEED AP, LS3P; Luther R. Williams, Business Assistance Program Manager — City of Raleigh; Valoree Eikinas, PE, LEED AP —Principal & Director of Building Structures and Land Development, Mulkey Engineers & Consultants. Each external HUB member will serve a two-year term—these new external members will be joining Willie Russell, Vice President, Russell H.J. Russell & Company, and Patrice Gilmore, CPSD, Lend Lease Company. Please enjoy this edition of Wolf Works and the next edition will be Fall 2014.

## NEW HUB ADVISORY COMMITTEE MEMBERS



### **Katherine N. Peele, FAIA, LEED AP**

**Katherine N. Peele, FAIA, LEED AP, is Executive Vice President of Practice for LS3P. With offices in Raleigh, Wilmington and Charlotte, NC and Charleston, Columbia, and Greenville, SC, LS3P is one of the Carolina's largest architectural firms.**

Katherine joined the firm in 1988 and has served as a project architect, project manager, principal architect and Raleigh office managing principal, in the course of her 25 year career with LS3P.

Notable accomplishments include:

Induction in College of Fellows, American Institute of Architects, 2003

“The Orthogonal Medal” award, NC State University College of Education, 2006

Dietrick Service Medal, AIA North Carolina, 2009

Triangle Business Journal, “Women in Business, Award, 2007

AIA North Carolina Chapter President, 2000

She received her professional degree in architecture from NC State University in 1988.

## **NEW HUB ADVISORY COMMITTEE MEMBERS**



### **Luther R. Williams**

**Business Assistance Program Manager  
City of Raleigh**



Luther R. Williams, Business Assistance Program Manager for the City of Raleigh. Luther has been working with the Minority and Women Owned Businesses Program for the past 26 years. Prior to that Luther was employed by Peoples Bank as Branch Manager for Falls of the Neuse Road Branch. Prior to working at Peoples Bank Luther was employed with First Citizen Bank for 7 years as a Branch Manager at Oak Park and NorthHills branches. Luther has a bachelor's degree in Economics from North Carolina Wesleyan College and master's degree in Public Administration from North Carolina Central University. Additionally Luther is a veteran of the military totaling 31 years in the United States Army and North Carolina National Guard.

## NEW HUB ADVISORY COMMITTEE MEMBERS



Valoree Eikinas, PE, LEED AP has over twenty four years of progressively responsible experience in leadership, general management, project management, client relationship development and structural engineering design in the built community.

She combines excellent technical, analytical, problem solving and engineering qualifications with outstanding leadership, presentation, communication and team management skills.

Valoree began her career in Boston, MA where she built the foundation of her engineering skills. She moved to North Carolina in 1998 and continued to build on her technical and project management expertise while using her problem solving and business talents to shape her leadership strengths. Valoree joined Mulkey Engineers & Consultants in 2005 as principal and director of land development and building structures, a service line that she established within the company. Under her leadership, structures and land development have flourished, working with such notable projects as the Raleigh Union Station, Heritage of Wake Forest, Duke University School of Nursing, UNC Chapel Hill Biomedical Imaging Research Center, USA Baseball National Training Complex, and the WakeMed Heart Tower, among others.

Valoree's involvement in over 22 professional and community affiliations demonstrates her leadership commitment to vital community action. She has recently served on the State of North Carolina's Building Commission, and is a member of the North Carolina Code Officials Qualification Board, representing both Professional Engineers of North Carolina (PENC) and the American Council of Engineers of North Carolina (ACEC/NC). Valoree currently serves as president on the board of ACEC/NC. She also served a two-year term as a board member of the Triangle Chapter of the U.S. Green Building Council (USGBC), where she was liaison for the chapter's advocacy committee, working with local government and community leaders to support sustainable design practices in codes, policies, and laws, including strengthening the North Carolina Energy Conservation Code. Valoree also served as a member of the Duke University Undergraduate Advisory Board for Civil and Environmental Engineering. She has been active on the Paul Zia Lecture Committee at NC State University for a number of years, and is honored to join the NC State HUB Advisory Committee.

Valoree received her bachelor's degree in Architectural Engineering (Structures) with a Minor in Business from the Pennsylvania State University and her master's in Civil Engineering (Structures) from Northeastern University.

## LOOK AHEAD PROJECTS

**Energy Conservation Project 4:** This project is to be executed as part of Self-Perform Energy Contract per NC G.S. 143-64.17. The project shall include, but not be limited to, design for connection of selected buildings to the campus district energy chilled water and steam loops and Energy Conservation Measures (ECM's) related to lighting, controls, water conservation/plumbing, building envelope, steam, mechanical/HVAC/fume hoods, and electrical. This effort will include a review of the current design, utility requirements, and process requirements; development of cost options and life cycle analysis along with energy modeling and development of an IGA. This project will evaluate energy usage of and identify ECM's for nine campus buildings, including cogeneration on Centennial Campus. Energy modeling and an ASHRAE Level II Energy Audit will be included. The total project cost is approximately \$22,000,000.

### **Reynolds Coliseum-Renovation & Walk of Fame**

The primary goal for the renovation project is to modernize Reynolds Coliseum with specific changes meant to enhance the way the building is being used today, while respecting the character and heritage of this important "hallowed space" on NC State's campus. Introducing an energy-efficient air conditioning system will allow the building to be used in new ways. Life safety enhancements will include new sprinkler, fire alarm, and smoke evacuation systems. Reducing the size of the seating bowl will result in an intimate seating venue appropriately scaled for the sports that call Reynolds their home, and all seats will now have good sightlines. Improvements to the home of Women's Basketball, Volleyball, Gymnastics and Wrestling will enhance recruiting opportunities for these programs. And finally, woven throughout the facility will be the Walk of Fame & History experience, with a focal point in the newly created Grand Hall showcasing the storied history of NC State Athletics. The total project cost is approximately \$35,000,000.

**Centennial Campus Substation Expansion:** This project is located at 1765 Varsity Drive on the Centennial Campus near the Keystone Science Center and the Wildlife Resources Building. The project will develop a design for increasing the capacity and reliability of the University's 22.9/13.2 kV medium-voltage power distribution system on Centennial Campus. New feeder and substation additions will be required to allow for future load growth outlined in the University Master Planning. The project will be constructed in phases installing the required electrical infrastructure as the campus grows. The total project cost is approximately 3,334,000.

**Re-Use Water Line Extension:** This project will extend the reuse water from the new pumping station near Achievement Drive on NC State's Centennial Campus Precinct to the Centennial Campus Utility Plant (CCUP) by way of Main Campus Drive. The total project cost is approximately \$1,200,000.

**Research II HVAC:** This project will include replacing office area air handlers on each floor, upgrading building automation controls, and modifying exhaust stacks to increase energy efficiency. The total project cost is approximately \$2,000,000.

**Gregg Museum:** The Gregg Museum consists of a new 21,000 gsf building addition to the original 6,400 gsf Chancellor's Residence. The addition will provide gallery and back of house space. It is modern, but reflects the proportions and scale of the residence. The residence's interior will be renovated. The project is located at 1903 Hillsborough Street and is now in the Construction Documents Phase. If funding for this project is available total project cost will be approximately \$9,001,000.

**Facilities Operations Support — CBC:** This project will provide a Facilities Operations center on the growing Centennial Biomedical Campus. The building will provide space for Housekeeping, Purchasing, Repair and Renovation, Building Maintenance and Operations, and Grounds. Phases II and III have been designed to continue an early site development as Phase I. Phase II will provide permanent and temporary space for the occupants and Phase III will complete the project and provide a permanent space for Facilities Operations on Centennial Biomedical Campus. The total project cost for Phases II and III is approximately \$3,223,459.

Remember design and construction opportunities can be viewed on North Carolina State University website at the following location <http://www.ncsu.edu/facilities/advertisements/index.htm>

As part of North Carolina State University effort to collaborate with other campuses within the UNC System - below are a few upcoming projects for other campuses :

### **EAST CAROLINA UNIVERSITY**



#### **Replacement Condensate & Electrical Utilities along Greenmill Run (Budget: \$1,450,000)**

Scope includes the clearing of a 50' wide wooded utility corridor from 14th Street to the south side of the Greenmill Run Utility Bridge (near 10th Street); installation of a replacement electrical ductbank and 2 medium voltage electrical distribution circuits serving main campus; installation of a replacement condensate line serving main campus. Project also includes installation of 1 additional medium voltage electrical distribution circuit, in an existing ductbank system down College Hill Drive to 10th Street, to provide full power to main campus while the replacement circuits at Greenmill Run are installed. Project will be started Summer of 2014 and continue through Summer into Fall 2014.

**Expected Bid: April 2014**

**Project Manager: Robert Still**

**Telephone for Robert Still is [252-328-6858](tel:252-328-6858) --- email is [stillr@ecu.edu](mailto:stillr@ecu.edu)**

#### **Replacement HSC Cooling Towers – Phase I (Budget: \$1,550,000)**

Scope for Phase I of this project includes the removal of 4 existing, 850 ton cooling tower cells and installation of 3 new 1500 ton cooling tower cells using same or smaller footprint as existing towers. Project also includes the installation of a second 2500 kVA, 480 V. electrical transformer and service to a new 4000 amp, 480/277V switchboard MSBB inside existing plant. Installation is primarily intended for 480 V. system redundancy but is also for additional capacity for pumps & fans for future loads. New service at switchboard MSBB will connect back to existing service at switchboard MSBA through a tie-breaker.

**Expected Bid: September 2014**

**Project Manager: Robert Still**

**Telephone for Robert Still is [252-328-6858](tel:252-328-6858) --- email is [stillr@ecu.edu](mailto:stillr@ecu.edu)**



Design and construction opportunities can be viewed on The University North Carolina at Charlotte website at the following location :

<http://facilities.uncc.edu/our-services/business-related-services/capital-projects/business-opportunities/advertisements>

The University will be accepting sealed bids from prequalified general contractors only until **2:00 PM Tuesday, April 8, 2014** in Room 113, Cone University Center on the UNC Charlotte campus. A **mandatory** pre-bid meeting will be conducted **Tuesday, March 25th, 2014 at 10:00 AM** in Room 112, Cone University Center. The University will be accepting Commissioning Services submittals until Thursday, April 3, 2014 at 2:00 pm.

The University will be accepting Designer submittals until Tuesday, April 1, 2014 at 2:00 pm. A non-mandatory pre-proposal meeting for any interested parties will be held on Wednesday, March 19, 2014 at 2:00 pm in the Friday Building, Room 106.

#### Upcoming Capital Projects Information - March 2014 - Update 2

Balfour Beatty Construction will be accepting 1st Tier Subcontractor prequalification submittals from principal trade and specialty contractors, for the Building Trade Packages, until **5:00 PM Monday, March 31, 2014**.

Balfour Beatty will be hosting a Subcontractor Outreach & Networking Session on **Wednesday, March 26, 2014 at 5:30 PM** in Room 155 of the College of Health & Human Services building.

# Winston Salem State University



Design and construction opportunities can be viewed on Winston Salem State University website at the following location: <http://www.wssu.edu/administration/finance-and-administration/facilities/construction-and-design-solicitations.aspx>

<b>Project</b>	<b>Funding</b>	<b>Restore the Core II</b>	<b>Strategic Plan Goal(s)</b>	<b>Size</b>	<b>Total Budget</b>	<b>Construction Budget</b>	<b>Bid Date</b>	<b>HUB Participation</b>	<b>Construction Complete</b>	<b>Notes</b>
North Entry Parking Deck & Bridge	Student Fee		Efficiency & Effectiveness	99,000 sf; 270 cars; bridge to Lowery St.	\$7M	\$5.8M	Summer 2014		Summer 2015	Design Development documents in process.
Performance Energy Contract	Avoided energy and water costs repay 20-year loan		Efficiency & Effectiveness	campus wide	\$6.0M	\$5.2M	Summer 2014		12 month construction	Investment Grade Audit (IGA) phase in process. IGA report submitted and under review.
Residence Hall Phase II	Housing Receipts		Student Success & Academic Excellence	71,000 sf 288 beds	\$20.8M	\$16M	February 2015		April 2016	Construction Manager selection. Planning and design in process.
Hauser Hall for Bands and Music	Gift Funds, Federal Title III Grant & RTC Phase II Student Fee	Yes	Academic Excellence, and Efficiency & Effectiveness	27,000 sf + 6,000 sf addition	\$12M	\$8.9M	Summer 2015		12-18 mo construction	Anticipate completion October 2016
Physical Plant for Art & Visual Studies	Gift Funds, Federal Title III Grant, R&R Funds, & RTC Phase II Student Fee	Yes	Academic Excellence, and Efficiency & Effectiveness	16,840 sf	\$15M	\$11M	Summer 2015		12-15 mo construction	Anticipate completion October 2016



## Spotlight: Local HUB Design Firm

### Lighting Language & Design

*Lighting Design Services*

*Lighting Spoken Here...*



Linda M. Anderson, LC, LEED AP

O: 919.929.0259

C: 919.605.3372

[linda@lightinglanguage.com](mailto:linda@lightinglanguage.com)

[www.lightinglanguage.com](http://www.lightinglanguage.com)



#### PROFILE:

Lighting Language & Design, a Triangle, NC area lighting design firm, understands that sensitive product selection and placement are integral and essential elements of a successful lighting design. Led by Linda Anderson, an NCQLP Lighting Certified designer, LL&D actively listens, questions, ponders and delivers interpretations of each lighting application based on use and practicality, resulting in a satisfying illuminated environment for your space's inhabitants. LL&D is responsive, direct and creative. We are also cognizant of and ready to address today's challenging energy concerns related to the illuminated environment. LLD services encompass full lighting design concept for both new and existing interior and exterior spaces. A variety of design options are available from design concept all the way through construction administration. Other services include LEED design and daylighting analysis. LL&D also produces constructive computer renderings and illumination calculations for any interior or exterior space, so you can best envision both the aesthetic and performance results of our design concepts.

#### UNC SCHOOL SYSTEM RELATED EXPERIENCE:

Linda Anderson has been actively involved in the design process with the UNC-school system for many years, first as a lighting designer with a prominent MEP firm, then with another lighting design firm, and finally, with her own design studio, Lighting Language & Design. Among her UNC education related projects are the NCSU Veterinary Science complex, UNC-Greensboro Campus Lighting projects, ECSU Student Center, NCCU Mary M. Townes Science Building, NCSU Wolf Village and the NC A&T Student Health Center.

#### OTHER PROJECT INVOLVEMENT:

Other design experience includes the Durham Station, teaming on the Durham Performing Arts Center and Raleigh-Durham Airport Terminal 2, and other design work in California, Delaware and Mumbai, India.

# North Carolina State University

[www.ncsu.edu/facilities/advertisements/](http://www.ncsu.edu/facilities/advertisements/)

## The University of North Carolina System

<http://www.northcarolina.edu/apps/finance/vendors/opportunities.htm>



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Capital Project Management  
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Raleigh, NC 27695-7520

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Email: [hjhardy@ncsu.edu](mailto:hjhardy@ncsu.edu)

If you are interested in strengthening your business, listed below is information about companies interested in helping minority, women and small businesses to grow their business.

### Self-Help

301 West Main Street  
Durham, NC 27701  
(919) 956-4400  
[www.self-help.org](http://www.self-help.org)

### Raleigh Business & Technology Center

900 South Wilmington Street  
Raleigh, NC 27601  
(919) 836-8618  
[www.raleighbtc.com/](http://www.raleighbtc.com/)

### The North Carolina Institute of Minority Economic Development

114 W. Parrish St.  
Durham, NC 27701  
(919) 956-8889  
[www.ncimed.com](http://www.ncimed.com)

### United Minority Contractors of NC

5 West Hargett Street, Suite 309  
Raleigh, NC 27601  
(919) 834-1211  
[www.umcnc.org](http://www.umcnc.org)

### Hispanic Contractors Association of the Carolinas

226 Westinghouse Blvd.  
Charlotte, NC 29708  
(704) 583-4184  
[www.hccarolinas.org](http://www.hccarolinas.org)

### NC Indian Economic Development Initiative, Inc.

5800 Farrington Place  
Raleigh, NC 27609  
(919) 232-9414  
[www.ncindian.com](http://www.ncindian.com)

### Office for Historically Underutilized Businesses (HUB)

116 West Jones Street  
Raleigh, NC 27699-1336  
(919) 807-2330  
[www.doa.nc.gov/hub](http://www.doa.nc.gov/hub)