



▲ Bob Marino (left), who has been with Mueller Associates for 20 years, has recently been named president. He succeeds Gene Nerf, who will continue to serve the firm as an executive officer and chairman.

## Marino Named President of Mueller

Robert A. Marino, PE, a principal with Mueller Associates who has worked with the firm for more than 20 years, has been named president, effective January 1, 2006. Marino's promotion is part of a long-planned management transition for the firm. He will succeed Eugene F. Nerf, Jr., PE, who will continue to serve as chairman.

"It is fitting that as we celebrate our 40th anniversary year in 2006, we initiate our executive management transition with Bob's promotion," says Nerf. "He's been a vital part of our organization since 1985. He is trusted by our clients and respected by our entire team here at Mueller, and he's an exceptional leader within the engineering profession."

Marino joined the firm after graduating from Penn State with a Bachelors degree in Architectural Engineering. He later obtained an MBA from Loyola College. Prior to being named president, he served as senior vice president and director of operations.

Marino has directed many landmark projects for the firm, including work for major museums and universities in the region. He has also overseen a number of significant government, healthcare, and corporate projects. "I've been fortunate to be a part of Mueller throughout my engineering career," he says. "We apply very high standards to everything we do, and that's been vital to our

success and our long-term relationships with clients."

Nerf had served as both chairman and president of Mueller since 1992. As chairman, he will continue to remain active in the leadership and management of the firm, which was established in 1966. "I look forward to working with Bob and the board as we continue to grow," he says. "This is an exceptionally talented team of engineers, with a strong commitment to serve our clients well. We clearly understand that our firm's success has resulted from doing so, and I'm very confident in Mueller's success in the years ahead under Bob's leadership."

## Boiler Installation Planned for Wake Forest University Baptist Medical Center

### Electric Boiler Will Provide Rapid Payback

Construction is set to begin this winter on the installation of one of the largest electric steam boilers in the mid-Atlantic region. Prompted by an attractive offer of low off-peak rates from Duke Power, Wake Forest University Baptist Medical Center in Winston-Salem, North Carolina, will add a 33 megawatt electric boiler that will be able to produce 110,000 pounds of steam per hour.

"With that kind of capacity," notes Project Manager John Morris, PE, "the boiler can

generate enough steam to supply the entire medical complex throughout most of the year. It will only be necessary to supplement the electric boiler output with the existing fossil fuel boilers on very cold days." Installation of the new boiler is anticipated to provide a simple payback of less than two years.

Mueller's engineering team worked closely with Duke Power and medical center facilities staff on the project, which in addition to the boiler design, included upgrading the

substation and the routing of 15kV electric feeders from the substation into the boiler plant. The boiler is manufactured by Precision Boilers, Inc. of Tennessee, and the contractors for the installation are AC Corporation of Greensboro and Salem Electric of Winston Salem.

"This is a unique project, in that you don't often see electric boilers of this size," says Morris. "The medical center is wise to take advantage of this opportunity."

## Universities Expand Nursing Programs

Plans are underway for several new nursing and health science buildings at colleges and universities throughout the mid-Atlantic. Mueller Associates is currently serving as the mechanical/electrical engineering consultant for projects at Duke University in Durham, North Carolina; Johns Hopkins University in Baltimore, Maryland; Shepherd University in Shepherdstown,

West Virginia; and Delaware Technical & Community College in Stanton, Delaware.

All four campus expansion projects are planned to accommodate growing programs in nursing and allied health sciences. "Facilities for nursing programs have a complex range of requirements," says Yancy D. Unger, PE, LC, who is serving as Mueller's project manager for the buildings at Duke, Johns Hopkins, and Shepherd University. "They not only house traditional faculty, academic classroom, and lecture spaces, but they require a number of teaching labs as well. The lab environments often require medical gas systems and other infrastructure that simulates a hospital setting."

At Duke University, construction is underway on a \$16.5-million, 77,000-square-foot building for the School of Nursing. The project was designed by Baltimore-based Ayers/Saint/Gross to meet LEED certification requirements, in accordance with the U.S. Green Building Council. Mueller's engineering team designed the HVAC, plumbing, and lighting systems to minimize energy consumption and limit water use. Bovis Lend Lease is serving as the construction manager for the project, which will be complete in August 2006.

Mueller Associates served as the mechanical/electrical engineer for the existing, five-story School of Nursing building at Johns Hopkins University, which opened in 1998. Programming is now underway for a proposed 100,000-square-foot expansion of the existing facility, which will enable the university to expand the

School of Nursing, and also co-locate facilities for the University's Berman Bioethics Institute and the Bloomberg School of Public Health at the same site. Ziger/Snead of Baltimore is serving as the architect for the Phase I \$20-million project, which will ultimately encompass an entire city block at the university's campus in East Baltimore.

Construction is about to begin on a \$10-million, 35,000-square-foot Academic/ Nursing facility at Shepherd University. The two-level building will be the first for the nursing department, which has outgrown existing space on the campus. Administrators also envision construction of the new building as a key step in creating a more pedestrian-friendly, campus-oriented environment for the university. The architect for the project, which is scheduled to be complete in mid-2007, is Baltimore-based Design Collective.

Design Collective is also the architect for a major new project at the Stanton campus of Delaware Technical & Community College. The new \$16-million Biotechnology and Medical Education building will accommodate the college's nursing, allied health, biology, and chemistry programs. "This is an important piece in the overall master plan for the campus," says Darren L. Anderson, PE, project manager for Mueller. "It's the first new project in a multi-building master plan to expand the campus." The Whiting-Turner Contracting Company is the construction manager for the project, which is anticipated to break ground in early 2007.



Rendering by Michael McCann

**Several colleges and universities throughout the mid-Atlantic region are currently expanding or building new nursing education facilities. Duke University in North Carolina is constructing a \$16.5-million new School of Nursing (above), scheduled to open in August 2006.**