



Mueller



**> Wake Forest University Baptist Medical Center
Winston-Salem, North Carolina**

A utilities master plan and numerous upgrades to a medical center complex

The Wake Forest University Baptist Medical Center campus includes nearly two dozen medical and university buildings totaling almost four million square feet, plus three parking garages. The utilities master plan prepared by the Mueller team serves as a design resource for infrastructure growth through the year 2020. The plan addressed numerous systems as well as electrical distribution from the Duke Power substation. Mueller also supported the medical center by engineering the addition of a 33-megawatt electric boiler that produces the equivalent of about 110,000 pounds of steam per hour—one of the largest electric steam boilers to serve a hospital complex in the mid-Atlantic. Mueller's team worked closely with Duke Power and the medical center facilities staff on the project, which required the routing of 15kV electric feeders from the substation into the boiler plant. Other major projects have included the new 200,000-square-foot J. Paul Sticht Center for the Aging, the renovation of the 15,000-square-foot cancer center, the renovation of the Neurology/Sleep Disorder Clinic, and many other facility upgrades.