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Winter Garden FL 34787

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Case Study: Summit Medical Center

Project Type: Hospital

Upgraded Fixtures: 541

Annual Water Savings: 3,082,425 gallons

Annual Hot Water Savings: 6,653 Therms

Overall Annual Savings: \$26,191

Project Summary:

Summit Medical Center is a 188 bed Joint Commission accredited hospital in Nashville, TN. To eliminate the chance of bacteria growing in the faucet aerators, the hospital staff removed all faucet aerators from patient rooms and support areas. This allowed most faucets to run unrestricted at flow rates exceeding 3 gallons per minute wasting water and energy.

Infinity proposed the use of faucet moderators designed specifically for health care facilities. These moderators are laminar flow devices and do not draw air into the water stream. What's more, they are manufactured with built in Agion antimicrobial protection. Agion helps prevent the formation of biofilm on spout-ends. To prevent biofilms from forming, the Agion compound inhibits the initial colonization with a tri-modal efficacy unique to silver. It attacks the bacterial cell wall, interrupts cell metabolism and prevents bacteria reproduction. The controlled release of silver ions by the zeolite carrier has been engineered to provide continuous antimicrobial protection. Agion protected products have been proven in laboratory tests to reduce bacteria growth and population on a treated product by as much as 99.999% (log 5 reduction) in 24 hours.

The project was complete in three days. Additional repair parts were left with the maintenance staff as well as specialty tools to remove and replace the vandal resistant faucet moderators for maintenance.

This project yielded a savings of over 3 million gallons of water annually and 6,653 therms of natural gas.

Infinity Water Management is a national water management firm with offices in Florida and Iowa. Founded in 2005, Infinity has completed more than 125 projects from Florida to Utah. As many facilities see their water and sewer rates rising faster than any other utility, The water conservation professionals stand ready to help residential, commercial and institutional clients reduce and control their water/sewer budgets through complete turn key solutions or through existing maintenance budgets.

For more information please contact Matthew Stichter at 563-823-8336 or mstichter@infinityh2o.com