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Winter Garden FL 34787
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Case Study: Missouri Department of Corrections

Project Type: State Prison

Upgraded Fixtures: 2,373

Annual Water Savings: 33,265,179 gallons

Overall Annual Savings: \$169,865

Project Summary:

This project consisted of 4 separate prison facilities throughout Missouri. Prisons present a unique installation challenge. All material and tools must be checked in and out on a daily basis, and accounted for at all times while in the facility. IWM set up the project so that specific upgrades were grouped together to limit the variety of tools and materials needed inside the facility each day. This increased the efficiency of gaining access and allowed the maximum amount of work to be completed each day.

IWM installed a variety of facility improvement measures including, new 1.6 gpf china and valves in support areas, new 1.6 gpf china with recessed valves in some cell areas, and Sloan 'Programmed Water Technology' controllers and valves in high security areas. These PWT technologies allow the prison staff to set and control the number of flushes an inmate can use in a set amount of time. The default setting was no more than 3 flushes in a 5 minute period or the system would lockout for 30 minutes. This eliminated the inmates ability to flush excessively to flood cells or flush contraband materials. Also, low flow moderators were installed on selected sinks and several new low water consumption wash machines were installed in work release areas where inmates wash their own clothes.

IWM completed all 4 sites in just under 3 months.

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