

PROJECT CASE STUDY

Atlanta Bureau Of Prisons Water Conservation Retrofit



ENVOCORE SOLUTIONS

- Utility savings were generated in: water, sewer, and natural gas usage
- Most of the savings resulted from water and sewer reductions
- The natural gas was saved by the reduction in hot water consumption

DRIVERS

- Federal agencies must reduce energy use in their facilities by 30% from their 2005 baseline by 2015
- The facility houses over 1,900 inmates in both medium and minimum security facilities

PROJECT BACKGROUND

The Energy Conservation Measures involved water conservation retrofits throughout the site, included full replacement of existing porcelain water closets and lavatories in secure areas with stainless steel fixtures and electronic controls. Other retrofits included, food service equipment and cooling tower water metering.

The installation included the use of 1.6 gallon per flush (gpf) water closets, 1.0 gpf urinals, 0.5 and 1.5 gallon per minute (gpm) lavatory and kitchen faucets.

ABOUT ATLANTA'S U.S. PENITENTIARY

Atlanta's United States Penitentiary, is located in Benteen Park, Atlanta Georgia. It encompassed 300 acres originally to accommodate 1,200 prisoners. Today it's population is 1,909 inmates in the penitentiary and 554 in the camp.

www.bop.gov/locations/institutions/atl/