



Performing Arts Center of Fort Worth

Fort Worth, TX

The City of Fort Worth Water Department strives to provide its residents and visitors with excellent service, while making sure taxpayer money is well spent. Water Management, Inc.'s (WMI) reputation as a leading water conservation company led the City to subcontract WMI to find unique ways to decrease the annual water expense of hundreds of ICI users through their SmartWater Audit program. At one of the ICI sites surveyed, the Performing Arts (also known as Bass Hall), WMI identified many ways to reduce water consumption that were later implemented to greatly reduce water consumption.

The Nancy Lee and Perry R. Bass Performance Hall in Fort Worth, Texas is located in downtown Fort Worth near Sundance Square, occupies a whole city block, and was opened in 1998. It was built entirely with private funds and seats 2,056 people.

Following the audit, several water wasting practices were noted and promptly corrected. The changes included:

- Optimized cooling tower conductivity set point from 1228 to 1400 and installed new meters to better calibrate and maintain proper system conductivity.
- Retrofitted 109 toilet fixtures saving about 3 gallons per flush (gpf), per fixture. New 1.6 gpf piston flush valves were installed; replacing 4.5 gpf valves.
- Retrofitted faucets with 0.5 gpm aerators which will save 1.5gpm per fixture.

The above mentioned resulted in a 881,000 gallons per year water savings or roughly 1,762,000 gallons since the changes was implemented two years ago.



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