Fort Worth, TX

**Over 72 Million Gallons Saved in a Two-Year Period**

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, Lockheed Martin Aeronautics, WMI identified many ways to reduce water consumption that were later implemented to greatly reduce water consumption.

Lockheed Martin Aeronautics in Fort Worth, TX is a multi-functional, industrial facility that sits on 270-acres. The site is comprised of over 200 buildings including full-service food complex, numerous commercial office spaces, and multiple water-using industrial process areas.

The primary water using features that were modified following the audit in 2011 were those which could provide a large savings opportunity at the lowest cost. The changes included: 1) Incorporating state of the art pH control systems for the main cooling towers, increasing the cycles of concentration from three to seven 2) Replacing one cooling tower system 3) Completing a process wastewater project which made modifications to rinse tanks and deionized water system 4) Retrofitting over 1,100 lavatory faucets; replacing existing 1.5 gallons per minute (gpm) aerators with new 0.5 gpm pressure-compensating flow devices

The above mentioned resulted in a 36 million gallons per year water savings or roughly 72 million gallons since the changes was implemented two years ago.