

# ICI Special Process Rebate



## Austin Hilton Hotel

### Ozone Treatment Laundry System



The Austin Hilton Hotel, located at 500 E. 4th Street, took the 3C Business Challenge and identified significant water savings through the installation of an ozone treatment laundry system for use with existing machines. Ozone is a cleaning agent that can be injected directly

into the incoming water line for the laundry. It safely removes dirt from linens by breaking down soil molecules more effectively than chlorine and other cleaning agents. It is most effective when used in cold water, which serves to drastically reduce water heating costs for laundry facilities where this technology is used.

Overall laundry water usage dropped by about 25% because laundry requires less water to get clean with the use of a more effective cleaning agent. Peak day savings from the ozone treatment system for the four 275 pound washers was 9,744 gallons. Combined peak day water and wastewater cost savings was over \$108 per day or about \$39,500 annually, resulting in a payback period of less than one year. This does not include the additional savings in energy costs and the \$9,744 rebate from Austin Water for the ozone treatment system.

Added benefits noticed by hotel staff included increased life of linens, decreased use of cleaning chemicals, and no chemical smell in towels and linens after washing, according to John Culp, Facility Engineer for the Austin Hilton Hotel. Taking the 3C Business Challenge also counts toward designation as a Green Business Leader and a WaterWise Hotel Partner.

For more information please visit our web site, [www.WaterWiseAustin.org](http://www.WaterWiseAustin.org)

- Laundry water use dropped by 25%
- Peak daily savings of 9,744 gallons
- Annual water and wastewater cost savings of \$39,500
- Investment \$32,325
- Payback period of less than one year
- Increased life of linens
- Decreased use of chemicals
- Total rebate amount \$9,744

*"The system has not only helped cut our water, energy and chemical costs, but it has also increased the life of our towels and linens."*

*- John Culp, Facility Engineer*

### Best Management Practice:

Installing system that injects ozone as a cleaning agent into the wash to remove dirt from linens rather than using chlorine and other cleaning agents and is most effective in cold water. This reduces the number of wash cycles and further reduces water heating costs.

## Case Study



Austin  
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