



WYNDHAM
HOTELS AND
RESORTS



Wyndham San Jose and Total Ozone Solutions Work Hand-in-Hand for a Greener California!

Continuing its ongoing efforts of environmental stewardship and achieving huge reductions in energy and water use, Wyndham San Jose Hotel has chosen to have an ozone system installed in their laundry.

What is ozone washing? Ozone is formed from oxygen when oxygen comes into contact with energy in the form of highly charged electricity. O_2 , or oxygen, is broken into individual atoms which will connect with O_2 to become O_3 , or ozone. Ozone is then infused into the laundry washer's cold supply water, which then cleans fabrics by chemically reacting with insoluble soils. As a result, the soil is broken into smaller molecules that can be freed from the fabric by ordinary washing machine agitation. This ability to clean and sanitize without the need for hot water results in a reduction in hot water use, which in turn results in savings on natural gas consumption at the hot water boiler. Shorter wash cycles are also achieved through ozone washing resulting in a reduction of total water usage.

The supplier of the ozone system, Total Ozone Solutions, has established a program that helps the customer to apply and qualify for utility reduction incentives available from local utility companies. By installing water meters and monitoring the water usage a minimum of 30 days before and after the system installation, Total Ozone Solutions was able to provide a documented analysis of the reductions to meet the requirements of the utility companies. The specific documented savings achieved at Wyndham San Jose were:

Hot Water Gallons Saved Annually – Metered	96%	1,281,875.7
Total Gallons Saved Annually - Metered	37%	857,867.0
Therm Savings from Washer Hot Water Reduction - Metered		9309.6
Therm Savings from Dryer Usage Reduction- Unmetered		2,773.9

As a result of this documentation, Wyndham was able to qualify for a gas reduction incentive of \$7,750 from PG&E. San Jose Water has projected an incentive of \$4,587 based on water reduction. The ROI for the system after application of these incentives is around 2 months. Although not included in the metered documentation provided to the utility companies, it is projected that unreported additional savings of 2,773 therms were achieved as a result of drying time reduction resulting in even more savings to the hotel.

“As a result of our installation of the Ozone Laundry System, we have significantly reduced both our energy costs and water consumption. The process is less harsh on our linens whereby extending the life of the products. Additionally we have reduced our labor costs as a result of shorter cleaning cycles and improved laundry production. There was little, if any, disruption to our laundry with the installation. We are amazed by the nearly immediate return on our investment.” said hotel General Manager Gary Hageman.