

## Clean Utah Annual Report 2009

### Xanterra- Zion Lodge

#### Project 1

*Reduce solid waste going to the landfill*

#### **Reduction of Solid Waste 2009:**

Targeted Indicator: Solid Waste to the Landfill

Baseline total: 248,720 pounds

2008 Total: 255,240 pounds

2009 Total: 251,920 pounds

Reduction: - 3,200 pounds

Savings: - \$2,694.00

Targeted Indicator: Total Solid Waste

Baseline total: 389,334 pounds

2008 Total: 359,833 pounds

2009 Total: 372,353 pounds

Reduction: 16,981 pounds

Savings: \$272.28

#### **Benefit to the Environment for the Year:**

Xanterra Parks & Resorts at Zion Lodge was able to reduce solid waste to the landfill by more than 3,000 pounds compared to 2008, but still produced solid waste to the landfill in quantities above the baseline. Although total solid waste was up from 2008, it was still well below the baseline. Our reductions in waste result in reducing the usage of fuel to haul waste, which also reduces direct emissions of greenhouse gases.

#### **Benefit or Savings to the Company:**

In recent years, as recycling has become more efficient in Washington County and the cost of landfill disposal has increased annually, the cost to recycle versus the cost to dispose of waste in the Washington County Landfill has begun to even out. In 2008, the

cost to dispose of solid waste in the landfill rose to more than ten cents per pound, while the cost of recycling remained flat at around twelve cents per pound. This is calculated adding together labor and transportation with commodity receipts subtracted from the total. Costs remained flat in 2009 and Xanterra realized a cost savings of \$276.00 in waste disposal and recycling costs compared to the baseline.

#### **Targeted Goal for 2010:**

In order to meet our goal, Xanterra will seek to reduce solid waste to the landfill by 20,000 pounds in 2010, and will reduce total solid waste by an additional 2,500 pounds. The elimination of disposable plastic water bottle sales should start to help us in 2010 to further reduce total solid waste. There was no significant reduction in plastic in our waste stream in 2009 even though bottled water sales were discontinued before the start of the year. In 2010, Xanterra will partner with Washington County to have recycling commodities picked up on-site by the county and delivered to a multi-recycling facility. This should significantly reduce gasoline consumption. We will report the results of our gasoline consumption on our annual report for 2010 using 2009 as a baseline year to illustrate the reductions.

#### **Project 2 - Water**

*Convert All Guest Motel Rooms to "Zion Lodge Ecologix Suites" and combine with other measures to reduce water usage*

#### **Reduction of Water Use 2009:**

Baseline total: 15,689,930 gallons  
2009 Total: 11,622,360 gallons  
Reduction: 4,067,570 gallons  
Savings: \$16,157

#### **Benefit to the Environment for the Year:**

Xanterra did not complete the renovation of motel rooms to the Ecologix Rooms during 2009, but did begin the renovation, replacing carpets and fixtures with more sustainable products, and adding new bulk dispensers for amenities to all rooms. Numerous conservation initiatives were implemented to reduce water usage throughout the property including a second phase of a large-scale water line replacement, changes in irrigation practices, and a preventative maintenance program supported by a computerized maintenance management system.

**Benefit or Savings to the Company:**

With the water rates rising within Zion National Park, Xanterra recognizes an opportunity in reducing water usage for substantial monetary savings as well as significant environmental benefits. Xanterra plans to continue to work to conserve water.

**Targeted Goal 2009:**

Xanterra will seek to reduce water usage at Zion Lodge through continuing conservation efforts and through continuing efforts to renovate rooms to Ecologix Rooms. Under a new contract between Xanterra and the National Park Service, the rooms are scheduled for renovation in 2012. Xanterra's 2009 Target year goal of reducing water usage by 1,000,000 gallons was achieved this year.

Project 2 – Electricity Usage

*Convert all motel guest rooms to "Zion Lodge Ecologix Suites" and combine with other measures to reduce electricity consumption*

**Reduction in Electricity Usage 2009:**

Baseline Total: 1,630,275 kwh  
2008 Total: 1,842,041 kwh  
2009 Total: 1,732,880 kwh  
Reduction: (-) 102,605 kwh  
Savings: (-) \$26,441

**Benefit to the Environment for the Year:**

This is an area where significant improvement is needed. Xanterra did not complete the renovation of motel rooms to the Ecologix Rooms during 2009; however, numerous conservation initiatives have been implemented to reduce electricity usage including the installation of additional occupancy sensors, upgrade of all soda vending machines to more efficient models, and increasing employee outreach initiatives. A number of lighting fixtures were retrofitted with LED lamps as well which should help us to decrease usage in 2010.

**Benefit or Savings to the Company:**

Construction projects in several areas as well as aging of equipment installed years ago to control energy usage seem to have contributed to higher usage in 2008 and 2009. Additional heating and air conditioning units added in 2007 and 2008 seem to have hurt usage as well compared to the baseline year. Zion National Park suggested the installation of some of those units. While customer service improved, usage increased.

**Targeted Goal for 2010:**

Xanterra is determined to decrease again electricity usage by installing hood controls in the lodge kitchen which were deferred from 2009, continuing to better control our purchasing decisions, installing more LED lighting, replacing aged PTAC equipment, and continuing to emphasize conservation. There is also a possibility that a solar photovoltaic system and a solar thermal hot water system will be installed in 2010. If these are not installed in 2010, they will be installed in 2011. Our goal is to reduce usage by 100,000 kwh below the baseline.

**Public Participation:**

Xanterra Parks & Resorts at Zion Lodge was the recipient of a number of awards during 2009 including Best Overall Green Business from Utah Green Business Magazine, National Park Service Environmental Achievement Award, and the Department of the Interior Environmental Achievement Award.

David Perkins, Environmental Director for Xanterra at Zion Lodge spoke at several conferences for the Recycling Coalition of Utah. He also spoke at the Utah Green Business Awards ceremony as well as the Utah Pollution Prevention Association award ceremony. In addition, Mr. Perkins spoke to Mrs. Jaggi's third grade class about energy conservation and reducing waste.

In addition, the Xanterra corporate Sustainability Report detailing efforts company-wide was distributed in the local community and to National Park Service staff.

**Additional Targeted Goals for 2009:**

We will forego any additional goals with the exception of the total gasoline usage reduction goal mentioned earlier. The goal is to reduce total gasoline consumption in 2010 with 2009 as a baseline.

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