Hotel Andaluz

Water Conservation Retro-fit Case Study

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Albuquerque Hilton
1939
La Posada de Albuquerque
Last Renovation 1983
La Posada Water

3.0 gallons per flush toilets
La Posada Water

Showerheads  5.5 gpm

Faucets  4 gpm

Inefficient Irrigation System

Inefficient HVAC Cooling Tower

Average monthly usage
1,030,000 gallons
Hotel Andaluz
Renovation 2005
Andaluz Upgrades

Dual Flush Toilets 0.8 - 1.6 gpf
by Caroma
Andaluz Upgrades
Low Flow Showerheads 2.0 gpm
by Oxygenics
Andaluz Upgrades

Low Flow Faucets 1.5 gpm
Andaluz Upgrades

Efficient Irrigation System

by Rain Bird
Andaluz Upgrades

- Efficient Cooling Tower
- Rainwater Capture
- Restaurant Water Service
## Water Usage Comparison

### Total Gallons

<table>
<thead>
<tr>
<th>Month</th>
<th>La Posada</th>
<th>Andaluz</th>
<th>Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>November</td>
<td>1,129,480</td>
<td>216,172</td>
<td>913,308</td>
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<tr>
<td>December</td>
<td>902,088</td>
<td>205,700</td>
<td>696,388</td>
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<tr>
<td>January</td>
<td>744,260</td>
<td>222,904</td>
<td>521,356</td>
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<tr>
<td>February</td>
<td>749,870</td>
<td>207,196</td>
<td>542,974</td>
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<tr>
<td>March</td>
<td>728,552</td>
<td>228,888</td>
<td>499,664</td>
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<td>April</td>
<td>862,818</td>
<td>314,908</td>
<td>547,910</td>
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<tr>
<td>May</td>
<td>964,920</td>
<td>307,220</td>
<td>657,700</td>
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<tr>
<td>June</td>
<td>1,156,034</td>
<td>385,220</td>
<td>770,814</td>
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<tr>
<td>July</td>
<td>1,102,552</td>
<td>405,416</td>
<td>697,136</td>
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</tbody>
</table>

**Average Monthly Usage:**
- La Posada: 926,730
- Hotel Andaluz: 277,092

**Average Monthly Savings:**
- 649,638
Other Sustainability Initiatives

Building Automation System
Solar Thermal
Guest Room

1955

2010
Room with Fireplace

1955

2010