



The Limelight Hotel Aspen's Sustainability Initiatives

The Limelight Hotel Aspen is owned and operated by Aspen Skiing Company (ASC), which is internationally recognized for its environmental stewardship. ASC has installed a utility scale solar array; developed a 3MW coal mine methane electricity generating plan; built 5 LEED certified green buildings with a 6th in development; donated almost \$3M to environmental causes through the employee-run Environment Foundation; published numerous articles and a book on its work.

1. For all utilities, the Aspen Skiing Company has a company-wide goal of reducing CO2 emissions 25 percent by 2020 from our 2000 baseline. At the Limelight, we track usage accounting for occupancy and weather.

Specific energy efficiency projects completed: (savings calculated by Engineering Economics Inc.)

- a. Alternative cooling for low loads in the winter was accomplished by adding two heat pumps in our garage. They take the rejected heat from the chilled water system and use it to heat the hotel's garage. In addition, it means that the chiller, cooling tower and MAU-1 don't run for cooling under 55 deg outside air temperature. Saves 35,856 kWh/yr and 2,464 therms/yr.
 - b. Added a variable frequency drive to our cooling tower allowing it to run more efficiently. Saves 6,240 kWh/yr.
 - c. We reduced the run time on MAU-1 and EF-1 for the garage from 30 min to 7 min for minimum run time. This reduces the need to heat outside air at a rate of 17,500 CFM.
 - d. Added our domestic hot water system to our digital controls system. Our six small domestic hot water boilers now rotate lead lag and stage on and off, as opposed to operating independently. Saves 17,644 kWh/yr and 2,300 therms/yr.
 - e. Corridor lighting reduced by eliminating one of the two lamps in each fixture leaving the larger 32 W lamp and removing the smaller 22 W lamp. Saves 30,835 kWh/yr.
 - f. Added occupancy sensors to all back of house rooms to ensure that lights are off when rooms are not occupied.
 - g. Added our snowmelt system to our digital controls. Saves 7,514 kWh/yr; 6,050 therms/yr.
2. We have a company-wide mandate that no fluorescent lamps are allowed. In each room, light switches that are not on the main switch utilize timers to ensure they are not left on. Exterior lights are on a photocell to reduce usage.
 3. All rooms and public spaces have digital thermostats controlled by our building automation system. Saves 61,000 kWh/yr; 12,000 therms/yr and.
 4. Our lobby fireplace is off in the summer and operates on a timer in the winter to reduce usage.

5. Guests choose if they would like their linens and towels changed daily.
6. All soap, shampoo, lotion is dispensed by refillable pump rather than using traditional 1.5 oz bottles.
7. All toilets are Kohler K-3489-RA-O, which have a water consumption of 1.4 GPF.
8. Recycle bins are located in each room and throughout public spaces. All restaurant areas are bussed by staff to maximize recycling on the property.
9. All batteries, ballast, CFL lamps and other hazardous materials are given to the hotel's engineering department to be recycled or appropriately disposed of.
10. Our office paper products vary from 30 to 100 percent recycled paper. In addition, on every applicable printer we use the Sustainable Earth printer cartridges. All used printer cartridges are recycled. Furthermore our Kleenex are 20 percent recycled and our toilet paper is at a minimum of 40 percent recycled paper and certified by CFS.
11. All shower heads are Kohler K-T10583, which have a GPM rating of 2.5.
12. The Chief Engineer is responsible for implementing/enforcing all green policies, while all managers are accountable for participating. In addition, our company has a sustainability group that oversees all properties, purchases and projects to ensure that we are reducing our impacts.
13. Use glasses rather than plastic cups in the bathrooms.
14. Added energy management system allowing us to see real time energy use on major mechanical equipment.
15. Using Trap-Eze to maintain our grease trap. Trap-Eze tablets are biodegradable and non-hazardous.