

Green Initiatives at The Broadmoor

Energy Use

- A state-of-the-art Energy Management System controls lighting, heating, cooling systems, space temperatures, demand cycling, and many life safety functions throughout the resort. This system ensures the operation of all our mechanical systems in the most efficient manner possible.
- During our renovations, we installed new insulation, including all-new thermal panes and energy-efficient windows. Mechanical distribution piping was replaced with pipes wider in diameter to prevent friction loss and make insulation material more efficient.
- Overburdened electrical distribution systems were completely redesigned and replaced with new, more efficient equipment.
- A waste heat recovery unit preheats the cold water, causing a significant reduction in natural gas usage.
- Occupancy sensor thermostats are installed in the Cottage and original West guest rooms to reduce the energy used when not occupied.
- Upgraded boiler at Cheyenne Lodge (90% efficient gas boiler replaced electric boiler)
- Existing CP boiler upgrades.
- Outdoor pool not heated in winter season to conserve energy.
- Continued upgrades to our DDC systems annually, adding additional control points for lighting and HVAC controls.
- The conversion of more than 30,000 of our existing light fixtures to compact fluorescents, cold cathode fluorescents, and LEDs. Conversion of incandescent lighting and metal halide lighting to efficient T8, T5, Biax, cold cathode fluorescents, and LEDs improve light levels, reduce energy costs, and reduce maintenance concerns.
 - Environmental Impact:
 - Reduction of our annual electrical consumption by over 5,300,000
 - Reduction of demand by 1,139 kW
 - Pollution reduction of: Carbon Dioxide (in Tons) = 6,430.6
 - Sulfur dioxide (in Kg) = 53, 588 and Nitrogen Oxide (in Kg) =21,435
 - 9,646 Barrels of crude oil and 2,519 tons of coal that electric power plants will not burn. The equivalent to eliminating the pollution from 750 cars per year or planting 1,554 trees per year.

Waste Generation

- A Recycling Manager to oversee our conservation and recycling efforts.
- The Hotel brought in a Compliance Officer with the Colorado Department of Public Health and Environment to train our staff and inspect the property. This training ensures that all our waste/controlled substances and disposal materials are handled

environmentally sound and compliant, adhering to all applicable statutes and good business practices. This included all Laundry, Grounds and Engineering Operations.

- Four cardboard balers on each loading dock are used to process boxes from exhibitors, the kitchens, and groups. Employees use the baler for cardboard disposal instead of the trash compactor.
- Separate dumpsters are used for paper products and co-mingled items: plastic, aluminum, and glass.
- Recycle bins are in each office copy room for staff office paper and co-mingled items.
- Recycling all refuse metals, including copper, brass, and aluminum cans.
- Recycle customer hangers for hotel use and metal recycling.
- Recycle all plastic bags from the dry cleaners.
- Recycle all detergent drums to our supplier.
- Recycle all paper, including order invoices.
- In-room recycling program for paper, plastic, and aluminum. The full-size empty amenity program reduces the amount of plastic waste from personal-sized shampoo, conditioner, body wash, and lotion.
- Recycling bins available for groups and behind-the-scenes recycling for co-mingled products.
- Select conference cups are biodegradable and made from corn.
- All cooking grease is contained in 55-gallon drums and recycled into biodiesel.

Water Use

- Ice machines hooked up to closed loop condenser water, eliminating flow-through usage.
- All irrigation systems include vast drip irrigation systems, rain monitoring systems and remote computer-controlled operations.
- Toilets in all guest rooms are low-flow, and showers are flow-restricted.
- Display fountains run during restricted hours only, and all are recirculating.
- The outdoor swimming pool has a state-of-the-art backwash system that minimizes water usage.
- Direct contact water heater is used.
- The Hotel eliminated seven evaporation and mechanical cooling systems throughout the complex during our Central Power Plant upgrade. The project reduces water usage, electricity, and chemical treatments.

Social Impact

- We award up to \$6,000 scholarships to employees seeking degrees annually.
- Once employees reach six months of service, they are eligible for tuition reimbursement. The longer the employee has been here, the more reimbursement they

can receive. An employee who has been here for five years can receive \$5,000 per year in reimbursement for school.

- We also have a food bank that we stock internally to take care of any employees who may need assistance.
- Internationally based employee programs supporting work travel and educational VISAs have been viable and life-changing for many participants.
- We also do a school supply drive each Fall and distribute school supplies to employees with school-age children.
- We have organized Broadmoor employees to volunteer for a local cause each month.
- Our employees have been contributing to United Way for nearly 15 years.
- We have over 30 Leaders in Giving (individuals who give \$1,000 or more each year).

Volunteerism

The Broadmoor Cares Committee members coordinate several volunteer opportunities for Broadmoor Employees to participate in based on their time and passion. The organizations which we partner with are as follows:

- ARC
- Boo at the Zoo
- Breast Cancer Race for the Cure
- Brain Injury Alliance
- Christmas Unlimited
- Cystic Fibrosis
- Derby for Diabetes
- Dream Power Animal Rescue
- Fire Mitigation Team
- Habitat for Humanity
- Humane Society of the Pikes Peak Region
- Marian House Soup Kitchen
- Namaste (Alzheimer's)
- Silver Key
- Springs Rescue Mission
- Susan G Komen Race for the Cure
- Trails and Open Spaces, Cheyenne Canon
- Traumatic Brain Injury, Pikes Peak Challenge

Housekeeping Initiatives

- Scrap paper is reused for notes.
- Linen Reuse Program implemented to cut down on waste.
- Soaps, amenities, and toilet paper partial rolls are donated to a local Women's Shelter.

- Due to our new amenity program, smaller numbers of physical newspaper copies are distributed as guests now have access to online, digital newspapers.
- Guest room collateral printed on recycled paper.
- Using digital vs. printed in-room directory, television channel guide and in-room dining menu.
- Donate outdated furniture and appliances (refrigerators/microwaves, etc.) from renovations to employees instead of discarding them in landfill.
- Laundry and dry cleaning off to return items to our guests without packaging or in reusable boxes and garment bags.
- The Laundry has implemented the use of innovative chemicals that reduce water usage and wash cycle times.

Golf

- The golf courses are certified Audubon Sanctuaries, which recognize the highest level in environmental policies.
- The Hotel converted over 50 acres of highly maintained turf grass to native varieties of grasses and wildflowers.
- Subterranean moisture and temperature sensors communicate with central irrigation computers every five minutes to control the course water efficiently.
- Two onsite weather stations communicate directly with central irrigation computers to optimize our watering efforts.
- An outside water engineering firm conducted continued irrigation audits to identify inefficiencies with nozzles and seals so they could be replaced.
- Hand watering of high playability areas reduces water usage and promotes dry and firm playing conditions.
- The golf courses regularly aerify and verticut turf grass in all areas to promote deeper rooting and water infiltration.
- The golf courses installed the highest quality irrigation sprinklers manufactured by Toro Company. Each sprinkler is individually adjusted for arc and trajectory for effective irrigation under trees and saving water in windy conditions.
- Courses are irrigated by non-potable water.
- Participant in the USGA Carbon Transfer program.
- Nozzles and seals for over 500 sprinkler heads improved irrigation efficiency by 10%.
- Regular use of wetting agent surfactants improves irrigation distribution.
- The Broadmoor utilizes a fleet of E-Z-GO electric golf carts.

Spa

At the Spa at the Broadmoor, we use various natural and organic products for services and retail. Our raw organic skincare line offered by Emergin-C is for more sensitive skin and an all-natural conscientious guest. For every retail product sold through Emergin-C, they plant a tree

in our honor! The Broadmoor has been responsible for planting 527 trees since January of 2022! Emergen-C is one of the leading sustainability groups in the spa industry.

The Broadmoor Spa partners with the fantastic team at Farmhouse Fresh, who provides body care, nail care and skin care in a variety of our services. "The Farm," as we call them, is not just a body care line; they are a movement! With sustainability efforts for animal rescue.

- Only glassware is utilized in the spa.
- As a team at the spa, we recycle water used in the serenity showers. Recycling paper and plastic is also an initiative. Agents ensure that paper is used cautiously and recycled.

Tennis

- The Broadmoor reuses and repurposes all our equipment, balls, windscreens etc. Older tennis nets and windscreens are donated to the City of Colorado Springs Parks and Recreation Department to be used in parks.
- Used tennis balls are donated for multiple uses. Other purposes for used tennis balls are bumpers on walkers of the elderly, toys for the Humane Society dogs and art classes in the schools.
- Used plastic tennis ball cans are repurposed for school projects.

Food and Beverage

- Various vegetables and herbs are organically grown in the onsite greenhouse and garden. Chefs visit daily to hand pick for their restaurants, reducing carbon emissions and providing fresher and better-tasting produce.
- The vegetable greenhouse and garden are maintained through eco-friendly practices. Grown from seed in the greenhouse until they are mature enough to be transplanted in the garden and harvested for the hotel restaurants.
 - We have eliminated plastic stirrers for coffee sets in banquets and our outlets.
 - We have eliminated plastic straws and now use a straw made from Agave.
 - We are also reducing the use of straws for beverages in our restaurants.
 - Our donated food program to our local homeless shelter Springs Rescue Mission, eliminates waste going to the landfill and creates a nutritional meal program for the local food shelter.
 - The Broadmoor Restaurant Collection has an intense focus on sustainability and natural foods, as noted below:
- In addition to Broadmoor Farms and Greenhouse, food is sourced through our former Executive Chef, Sigi Eisenberger's farm Bio Herbs and More.
- The restaurants make every attempt to use only sustainable fish and seafood.
- Newer restaurant designs incorporate as many repurposed and recycled materials as possible, as highlighted by:

- The back wall of the Natural Epicurean kitchen is made from recycled glass and plastics.
- The floor is repurposed Cyprus wood.
- All lighting fixtures hanging from the ceiling, and the ceiling itself, are made from repurposed items.
- The server uniforms are made from a percentage of recycled plastics.
- The water glasses in Natural Epicurean are recycled from our wine bottles.

Retail

- All the hotel shopping bags and boxes are made from recycled materials, and the ink used is earth friendly.
- We issue water bottles to our staff for daily use, so they do not use plastic water bottles.
- All packing materials are reused for shipping.
- The Hotel sells mittens from a USA-made company that recycles old sweaters. Rocky Mountain Mittens.
- Elite Therapeutics (In Room Amenity) developed a unique amenity line for The Broadmoor. The company was founded by Dr. Kevin Schewe, who lives and practices oncology in Denver. Dr. Schewe started Elite Therapeutics to help his cancer patients heal while undergoing radiation and chemotherapy. All products are paraben free, sulfate-free and made with natural ingredients.
- In-room amenities are paraben-free, sulfate-free, and made with natural ingredients.
- The resort sells items made from recycled yarn, antlers, wood, and plastic bottles.