



ENVIRONMENTAL SUSTAINABILITY



From the early design stages, the Sheraton Grand Phoenix was built with the environment in mind. Now, the associates of the Sheraton Grand Phoenix have taken stewardship of this effort. Taking great pride in their property, the Sheraton Grand Phoenix team is finding new and inventive ways to reduce the hotel's environmental impact, with the guidance of both their on-site Green Committee, and the direction of Starwood Hotels & Resort's Department of Environmental Sustainability .

Green Meetings:

We are proud to provide "Green Meetings," which can include paperless & linen-less meeting room setup, recycle containers in meeting room areas, pure water that is bottled on-site, digital direction and banquet signage and other green touches.

Green Guestrooms:

Guestrooms are cleaned with Green Seal Certified cleaning solutions, guests are provided the option to "Make a Green Choice" and save natural resources by foregoing daily housekeeping service, and CFL bulbs and recycle bins are utilized in every room.

District American Kitchen & Wine Bar:

District features extensive use of locally grown or produced artisan products, and all food and Beverage offerings are domestically produced.

Green Building:

Our building was designed with 20% locally manufactured materials. Low-flow water fixtures are utilized in front and back of the house applications. Solar louvers on the Southside of the building block summer-sun from guestrooms, reducing our thermal load.

Supporting Local Charity:

We are happy to donate leftover guestroom amenities, such as shampoo and conditioner, to local charities for use; as well as surplus banquet foods.



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ENERGY & WATER EFFICIENCY

- **Water Efficient Landscaping.** All exterior irrigation is low-flow drip, with preprogrammed settings for summer and winter use to minimize unnecessary watering. Plants are primarily native, with low irrigation requirements.
- **Water-conserving Fixtures.** Utilized throughout the hotel, including low-flow toilets, faucets, showerheads, and rinse stations; many with automatic sensors.
- **Lighting Controls.** A centrally controlled and programmable lighting system cuts power at the circuits based on schedule of use, automatically adjusting for seasonal changes in daylight hours. Occupancy sensors are utilized in all possible heart-of-house locations.
- **CFL and LED Lighting.** Predominant use of CFL, LED and traditional fluorescent lighting throughout the hotel's interior (guestroom, meeting room and heart-of-house) and exterior, reducing direct Electrical consumption by as much as 75%. These bulbs also produce less heat, lowering the cooling load of the hotel and last up to 10 times longer than standard incandescent bulbs.
- **Active Building Management.** Our advanced building management system allows the hotel to program meeting room heating and cooling based on occupancy, as well as ensure proactive maintenance of all hotel machinery via Synergy MMS® – both of which ensure that energy use is optimized throughout the property at all times.
- **District Energy.** The Sheraton Grand Phoenix is a participant in APS Energy Services' Northwind™ "district energy" project, wherein the cooling facilities for the Sheraton Grand Phoenix, the Phoenix Convention Center, and other Downtown venues is centralized, eliminating the need for on-site chillers and providing for the more efficient production and distribution of cooling energy.

WASTE MINIMIZATION

- **Full-Hotel Recycling.** Paper, cardboard, aluminum, glass and plastic may all be recycled in our guestrooms (every guestroom has a separate recycling container), public areas and the heart-of-house – we recycle an average of 15,700 lbs per month.
- **Cooking Oil.** Our kitchens utilize new technology to filter cooking oil, actively extending its intended lifespan up to 300%. As a member in the Green Dining Network (<http://www.azgreendining.com>), used cooking oil finds a second life when it is converted to biodiesel fuel.
- **Hazardous Waste Management.** We are happy to partner with our FedEx office to provide safe disposal of computer equipment, cell phones, monitors, etc. and always review options for safe disposal of other potentially toxic materials as needed.
- **Paper Conservation.**
 - ◊ eFolio Paperless Arrival and Departure provides a paperless experience to our guests, automatically emailing their folio to them on their day of departure in lieu of a printed copy.
 - ◊ Phonebooks are not utilized in guestrooms.

INDOOR ENVIRONMENTAL QUALITY

- **Smoke-free Facility.** Smoking is not permitted anywhere inside the building or within any of our outdoor areas.
- **Cleaning Chemicals.** 50% of our guestroom cleaning chemicals are Green Seal™ certified and nearly all chemicals are purchased in concentrate and distributed in refillable, reusable, non-aerosol based containers reducing related landfill waste by 80%.
- **Pest Control.** Utilizing IPM strategies in place of traditional pest management strategies where available. IPM strategies include the use of mechanical controls in lieu of chemical ones, and identifying species specific least-toxic pesticide options and targeted application strategies.
- **Demand Control Ventilation, High-efficiency Variable Drive Motors, and HVAC Economizers.** Hotel lobbies and conference rooms, with their great quantity of guests, have historically been designed to provide large amounts of outside air for ventilation. With utilization of these technologies, power requirements for cooling and heating of ventilation air is significantly reduced.

GREEN MEETINGS

- **Green Options.** The Sheraton Grand Phoenix is excited to offer "green" meeting options, such as:
 - ◊ Provide meeting room water coolers in place of bottled water
 - ◊ Provide clearly marked recycling containers in meeting room areas
 - ◊ Serve condiments in bulk containers, not individual servings, eliminating wasteful packaging.
 - ◊ Remove notepads from standard set, or provide a limited quantity in room to reduce paper waste
 - ◊ Provide Linen-less banquet tables utilized for buffet, reception and coffee break stations
 - ◊ Utilize digital photo frames for banquet buffet and bar signage
 - ◊ Use of environmentally friendly chafing fuels and electric induction units
 - ◊ Integration of local, organic and/or sustainably grown and harvested products in to banquet menus
- **PSAV.** Our in-house audio-visual partners, also supports the environment by implementing energy-saving measures such as:
 - ◊ Converting display screens to from CRT to energy efficient LCD monitors
 - ◊ Using multi-purpose equipment, which saves energy versus individual components.
 - ◊ Increasing the use of LED lighting, which use less power than traditional incandescent lights
- **Digital Readerboards.** Utilized in the meeting areas to post all events in lieu of traditional paper signage
- **StarGroup.** Websites are customized landing pages for your attendees, that eliminates the need to fax or mail registration materials

SMART OFFERINGS

- **District American Kitchen & Wine Bar.** Our signature restaurant's menu widely integrates food delicacies from Arizona purveyors and artisans, and all food, beverage and spirit offerings are domestically produced.
- **Rooftop Herb Garden.** Our culinary team has a 120-square foot seasonal garden growing chilies, mint, peppers and a variety of herbs which will be incorporated into dishes served in the hotel.
- **"Make a Green Choice."** In addition to our linen conservation program, guests are provided the option to forego daily housekeeping services entirely, which reduces the quantity of natural resources required to service each guests' room. In return for being "green," participating guests are thanked with a \$5 food & beverage gift card to be used in designated hotel outlets, or 500 Starwood Preferred Guests points.
- **On-Site Bottled Water.** A custom filtration system allows us to bottle ice-cold still or sparkling water for use in banquets and District American Kitchen & Wine Bar.
- **Green Transportation Options.**
 - ◊ Bus. We are conveniently located within steps of several major bus routes.
 - ◊ Lightrail. Two Metro Lightrail stops, with service to Sky Harbor Airport, North Phoenix, Tempe and Mesa are available within ½ mile of the Hotel.
 - ◊ Pedicab. We partner with local Pedicab companies to provide bicycle-powered guest transportation within the Downtown area upon request.

SUSTAINABLE SITES

- **Building Orientation.** The guestroom tower has an east/west orientation so that no guestrooms have a direct western exposure. A shading study was performed to analyze the seasonal solar effects throughout the day on the tower façade, pool deck and outdoor function areas. The results of the study led the design team to providing:
 - ◊ Two-foot deep aluminum louvers above all south-facing guestroom windows. These shade the windows most of the day throughout the year, except the winter months where the heat gain is welcomed.
 - ◊ Overhangs and canopies utilized at all outdoor event areas. The shaded exterior areas provide reduced cooling requirements at the adjacent interior spaces.
- **20% of our building's materials** were manufactured locally - within a radius of 500 miles.
- **Energy-star compliant roofing** with a high Solar Reflective Index (SRI) reduces the thermal load of the building.
- **Zero-use of CFC** based refrigerants throughout the hotel.
- **Zero-use of HCFC** and Halon based fire-suppression systems.

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