



## Raleigh Convention Center – Green Initiatives

The Raleigh Convention Center is actively seeking LEED Certification

### **Energy Efficiency**

- Permanent Building Management System for monitoring HVAC Systems
- Variable frequency drives for cooling towers; design feature reduces fan energy, allowing building chillers to operate more efficiently
- Highly efficient HVAC System reduces energy by 20%
- Energy efficient exterior wall and roofing systems
- Subterranean placement of Exhibit Hall reduces summer heat gains and winter heat losses
- Overall, annual energy cost savings of approximately 25% better than ASHRAE Energy Standard

### **Electrical (lighting)**

- Occupancy sensors in restrooms to reduce lighting energy
- Light dimming systems are used in Exhibit Hall, Ballroom and Meeting Room
- All exit signs are highly efficient LED lamps
- Metal halide lighting systems used in front of house and open areas such as Exhibit Hall, Lobby/Entrance, and Concourse areas
- Perimeter street lighting utilize highly efficient LED lamps
- Energy Efficient T-8 lamps used in Administrative and Support areas throughout the building

### **Water Conservation**

- Low flow toilets and faucets with timing devices selected to achieve 30% reduction in water use
- Landscaping includes drip irrigation system and local planting to achieve a 50% reduction in the irrigation water

## **Recycling / Biodegradable Products**

- Sorting and recycling all glass, metal, plastic, paper and corrugated cardboard
- Urging the use of china and glassware over disposable items
- Disposable products include biodegradable plates; disposable flatware made from cane sugar
- All clear disposable cups made from corn
- Whenever possible use local and regional food suppliers
- Leftover banquet food donated to local food bank
- Working towards composting of kitchen waste

## **Site Sustainability**

- Brownfield Redevelopment Site
- Access to six different bus lines within walking distance of the facility
- Bicycle racks, showers and changing rooms are available for staff
- No new parking was required due to availability of current decks and future parking spaces

## **Indoor Air Quality**

- Specified Low Volatile Organic Compounds in the carpet, adhesives, paints
- Implemented a construction indoor air quality program to keep dust and debris out of newly installed ductwork
- Established a “No Smoking” policy for the building; provided designated smoking areas a minimum of 25 feet from the entrance doors or 40 feet from mechanical air intakes

## **Materials and Resources**

- 5% recycled content has been incorporated into the building, i.e., 100% of the Center’s steel is recycled product
- Utilized a highly effective and successful Construction Waste Management program that diverted more than 75% of construction and demolition debris from landfills and incinerators
- Over 89% of the construction services were contracted from within the state of NC

## **Environmental Initiatives**

- Convention Center’s operations employees trained to utilize environmentally preferable cleaning practices
- Building Commissioning Agent contracted to review equipment performance and coordinate an Owner and Maintenance training plan