

# HPBExpo Green Efforts



HPBA and its partners are committed to providing an exposition experience that is green and environmentally friendly. The following categories explain in detail the green philosophy in action on the HPBExpo 2010.

## Client Assistance

- The Orange County Convention Center (OCCC) works closely with event organizers, vendors and guests to support and execute green events, procedures, and efforts. The OCCC provides clients and guests with recycling opportunities through placement of numerous recycling containers located throughout the entire facility, paper-recycling efforts by staff and clients, and the enforcement of the OCCC's Environmental Management System (EMS) certification guidelines.

#### Environmental

- -Using environmentally friendly maintenance products, including biodegradable solvents and cleaners
- Using non-oil-based paint products, such as Latex and water-based polyurethanes
- Using touch-free foam soap dispensers and hand-sanitizer dispensers
- Using recycled-content toilet tissue and hand towels
- Using recycled-content trash bags
- Using Green Seal certified cleaning products, including:
- Ecolution green certified, all-purpose cleaner
- Ecolution green certified, high-solids, floor finish
- Ecolution green certified, floor finish stripper
- ZEP green certified, window and glass cleaner
- Pilot testing of air-blowing hand driers that are touch free, which may lead to removal of paper towels, saving waste into landfills and removal of fewer trees.
- HPBA and its Expo partners push for the reduction of paper products used for ordering show services through its adoption of an online ordering system

## Recycling

- In 2009, 65% of all waste was recycled/diverted
- 14,515 tons of material diverted for remanufacture (since 2007)
- 1,832 tons of cardboard and 35 tons of office paper recycled (since 2007)
- \$196,744 in disposal fees saved (since 2007)
- \$86,595 in recycling rebates (since 2007)
- Streamlined communications concerning environmental practices
- Increased environmental awareness among employees
- Recently completed a pilot test of "dry cell" cart batteries that contain no liquid electrolyte and are 100% recyclable
- Currently looking at ways to better identify recycle receptacles to promote recycling efforts to guests and encourage participation
- Many carpet products used by exhibitors on the show floor are recycled for various uses including drainage piping for use in septic systems, manufacture of pet related products and repurposing for upgraded carpet needs for residential use
- Carpet padding is comprised of 100% recycled foam material
- Visqueen and plastic materials are made from 50-75% recycled content
- All trash can rentals are made of biodegradable cardboard
- All aluminum metal components used on the show are recycled per year to make new metal components
- All banner and graphics materials used on production of its events and also uses inks that are eco-solvent and environmentally safe

# Renewable Energy

- A Climate-Change Education Center inside the OCCC to promote the many environmental and economic benefits of solar power and other renewable-energy technologies
- Converting existing lighting to solid-state, light-emitting diode (LED) lighting for reduction in energy consumption and spent-bulb generation
- Continuous monitoring and load-matching of heating, ventilation, and air conditioning (HVAC) systems to reduce energy consumption
- This is the largest rooftop PV system in the southeast United States, and it will generate the equivalent amount of electricity used by 100 average-size homes

# Transportation

- The Orange County Convention Center (OCCC) has added two Ford hydrogen-powered V-10 E-450 shuttles as part of a new project to find alternative fuel for the future and for the Orange County community. The hydrogen-fueled shuttle buses at the OCCC can carry up to twelve passengers and are being used for OCCC visitors, employees and tours.
- Over 70% of forklifts and carts used for show production use LP Gas as fuel which greatly improves air quality on show site

### Water

Current OCCC water-conservation projects include:

- 100% reclaimed water for irrigation
- Installation of drip irrigation system
- Utilizing Xeriscape<sup>TM</sup> planting principles
- Pilot testing low-flow, metering water faucets in restrooms

### Re-Usable Donations

- In 2008, an estimated \$1.8 million plus in funds, goods, and services were donated to local organizations by the visiting conventions and tradeshows along with their exhibitors and attendees. Additionally, nearly 350,000 pounds of food and beverage items and approximately \$200,000 in school supplies were among the donated goods that were put back into circulation throughout the Central Florida community as reusable donations. Last year several of the tradeshows and conventions held at the OCCC made the choice to give back and reuse goods within the community.

#### Solar

- Designing a state of the art rooftop Photovoltaic (PV) system to produce 1300 megawatt hours of electricity per year for use in the Orange County Convention Center, in a partnership with the OCCC, the Orange County Environmental Protection Division, the Orlando Utilities Commission, the Florida Solar Energy Center and others.
- Building a 3000 square foot Climate Change Education Center that will work in conjunction with a statewide marketing program to educate on the value of solar power as a green alternative. In addition, a partnership will be formed with the state economic development program to help create RET jobs in Orange County