

# JSAV Greening Guidelines

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J&S Audio Visual was the first audiovisual company in the state of Texas to become a member of the U.S. Green Building Council. In an effort to continue that leadership role within our industry, J&S recently joined USGBA, the leaders in “green” building and education. We endeavor to reduce our carbon footprint and create a more environmentally friendly workplace. The following are some examples:

## General

- Implement a recycling program for paper, aluminum and plastic, cardboard and batteries.
- Replace office light bulbs with energy efficient fixtures.
- Purchase “green” cleaning products for offices.
- Replace paper plates, Styrofoam cups and plastic utensils with reusable products.
- Turn off all power when the offices are closed.
- Unplug unused appliances.
- Replace paper towels with cloth hand towels in the restrooms and kitchen areas.
- Recycle old computers, electronics, toner and ink.
- Donate older model audio visual equipment to local schools and/or charities.
- Cancel duplicate magazine subscriptions and ask the office personnel to share magazines instead.
- Print documents only when necessary.

## Auto/Fuel

- Enforce a “no idling” policy for all delivery vans to minimize the use of fuel.
- Combine trips by focusing on delivery “windows” instead of exact delivery times.

## Audio

- Offer one of the new breed of “Switch Mode Power Supply” amplifiers. These systems offer energy efficiency, lighter weight and cooler operating components. Recommend wired microphones when practical, to save on battery usage.

## Video

- Select the most energy efficient projectors based on event needs
- Participate in a lamp recycling program for all expended projector bulbs and ballasts

## Lighting

- Provide a wash fixture count with a minimum of 50% LED Fixtures of all throws of under 16’
- Provide automated lighting fixtures with a maximum lamp wattage of 700w for throws of up to 40’, 200w for throws of up to 30’, 250w for throws of up to 20’. Lumens-per-watt rating of all automated fixtures should exceed 20/1
- Where “PAR” type lighting is required, 1000w PAR 64 fixtures of 750w “Source Four PAR” fixtures should be used only for throws in excess of 40’. For all other throws, 575w “Source Four PAR” or equivalent fixtures should be used.
- Avoid using the following: PAR 64 fixtures, 1000w Ellipsoidals, “R” type flood lamps.
- Participate in a lamp recycling program for all expended fixture bulbs and ballasts
- Where “always on” projection ellipsoidals are used, HID or CDM fixtures not to exceed 150w, for throws of under 30’ are recommended
- Where “cue-able” ellipsoidals are required, HID or CDM fixtures with a mechanical dowser are used, provided that the fixture is “in use” (not mechanically blacked out) at least 35% of the time the lamp is on.
- Use low-wattage alternatives for “effects” lighting.

## Staging

- Source products locally if possible, to eliminate the need for harmful emissions from airlines and trucks
- Use “Forest Stewardship Certified (FSC) or Scientific Certification Systems (SCS) certified wood
- Incorporate recycled materials such as old tires, oil drums, aluminum cans, etc., into set design.
- Use water-based instead of solvent-based paints to minimize toxic emissions
- Reuse and donate material after the show
- Avoid toxic materials (such as PVC materials containing phthalate plasticizers, materials containing brominated flame-retardants and arsenic or chromium containing preservative-treated wood.)
- Design for disassembly. This might include (a) designing to standard dimensions so that sheet goods can be salvaged full size, (b) using screws and bolts for fabrication as opposed to adhesives and nail guns and (c) engaging a deconstruction contractor at the onset.