



RESOURCE MANAGEMENT

WASTE

Develop a written waste management plan (Owner, Sponsor, Ed)

- Provide a clear picture of waste diversion efforts and priorities (reduce, reuse, donate, recycle, compost, trash as a last resort) for the entire event production team; the plan should include:
 - Waste diversion objectives and tactics for all potential waste streams
 - Description of the operations to take place
 - Instructions that can be used to inform and train event staff and volunteers
 - A site map with waste management collection, conveyance and sorting areas denoted
 - A point of contact for staff and volunteers who have remaining questions or who encounter unique circumstances during the event
- Share the plan (Owner)
 - Everyone involved with event production and operations should know about the waste diversion strategies and priorities, and what they're responsible for to ensure success.

Measure waste generated by event activities (Owner)

- If possible, include reporting specifications in contract language with service providers. Communicate the need for them to deliver weight slips/reporting on all services. Remind them just prior to the event and ask for a point of contact that will be responsible.

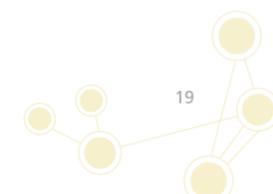
Divert waste from the landfill and strive towards 'zero waste' (Owner, Gov)

- Goal of eliminating as much waste being sent to landfill and/or incinerator as possible. Generate a list of all the physical materials that can be expected and that are being procured for the event and try to find a non-landfill solution from the list below for as many of them as possible:
 - Reduce
 - * [\(Click here to visit the Procurement section\)](#)
 - Reuse
 - * Signage, wayfinding or other communications without the event date

- Resell
 - * Does the item still have marketable value?
 - * Is there a channel by which the item can be sold?
 - * Will the producer buy it back and recycle it into a future product?
- Donate
 - * Is the item usable by others but not otherwise valuable to the event organization or entity?
 - * Is there a local entity that accepts donations of physical goods and redistributes them to people in need?
 - * Is there a local entity that focuses on the diversion of reusable materials? Examples include local chapters of Keep America Beautiful, St. Vincent de Paul and Habitat for Humanity Re-Store
 - * Is there a way for organizers to advertise the availability of and connect with someone who might have a use for the material? Examples include [Craigslist](#) and [Let Go](#).
- Recycle
 - * Is the item acceptable in a co-mingled or material-specific recycling stream? Commonly recyclable materials include:
 - Aluminum, plastic bottles, glass, paper, cardboard, food service items, pallets
 - For all of the above, check with your hauling service provider regarding what they accept and don't



Source: New York City





- Compost
 - * Is the item biodegradable? Commonly compostable materials include:
 - Organic food waste such as prep waste, leftovers, rinds, peels, egg shells, coffee grinds, etc. (not including oils, fats, meats)
 - Service items that have been specifically designed to breakdown in a commercial compost facility
 - The [Biodegradable Products Institute](#) is a non-profit association with the largest certification program for compostable products in North America.
 - For all the above, check with your compost hauling service provider regarding what they accept and don't.

Spotlight: [2017 Final Four Phoenix and BEF 'Change the Course'](#)



Source: Bonneville Environmental Foundation

Implement initiatives that reduce the environmental impact of waste water (Owner)

- Examples include:
 - Surveying the site for opportunities to plant native plants that are adapted to the watershed in which the event is occurring
 - Using a portable toilet company that processes waste for energy and nutrients (where existing restroom infrastructure doesn't exist or is inaccessible)
 - Installing temporary gutter barriers to prevent direct drainage
 - Directing excess water to natural locations (i.e. swales) where they are slowed from entering the wastewater/ sewer system
 - Prevent water runoff through water catchment, redirection and reuse

ENERGY

Measure direct energy consumption and associated greenhouse gas emissions (Owner, Sponsor, Ed)

Use low emissions energy sources to power event operations (Owner)

- This may include some of the following examples: sourcing biodiesel generators in place of gasoline-powered generators, working with facility and/or utility managers to use renewable energy sources for event-related electricity, purchasing renewable energy credits to offset the use of conventional/ fossil fueled energy.

¹¹ "Water." United Nations. Accessed September 05, 2017. <http://www.un.org/en/sections/issues-depth/water/>

Promote low emissions transport options (Owner, Gov)

- Some examples include:
 - Offer a bike valet
 - Promote nearby bike share options (if available)
 - Work with transit district to provide free or subsidized mass transit on event day(s)
 - Incentivize carpooling

Calculate the greenhouse gas (GHG) emissions of event-related transport and travel (Owner) *Paradigm Shift*

- Greenhouse gas inventories are becoming common practice in the private and public sectors as a credible, effective foundation for addressing climate change.
- The City of Eugene and the Council for Responsible Sport created the 'Transit Emissions Calculator' designed to make it easier for events to calculate and report the GHG footprint of visitor travel to and from the event. [Click here to visit the calculator](#)

Report and offset calculated total GHG footprint (Owner, Sponsor) *Paradigm Shift*

- Purchase emissions offsets from a verified provider or plan projects to compensate for the emissions produced from event activities

Spotlight: As an Olympic sponsor, DOW pursued projects to insulate residences in the cities the games, resulting in prevented emissions equal to or greater than the emissions from event activities.

Opportunities to Lead and Innovate—Resource Management

- Work with partners to identify opportunities for advancing bigger picture local and regional goals on topics related to addressing the major environmental issues of the time and place as part of the legacy work for the event. Examples include:
 - Renewable energy infrastructure development
 - Watershed restoration and conservation
 - Waste prevention and diversion of waste from landfill
 - Public transportation infrastructure

WATER

Measure direct water consumption (Owner)

- Lay the groundwork for thoughtful water use practices and to be able to report the amount of water used for event operations.
- Water scarcity affects more than 40-percent of the global population and is projected to rise. It is estimated that 783 million people do not have access to clean water and over 1.7 billion people are currently living in river basins where water use exceeds recharge¹¹



Source: <http://www.un.org/en/sections/issues-depth/water/>



Source: The Nielsen Company, <http://www.nielsen.com/us/en/insights/news/2015/sustainable-selections-how-socially-responsible-companies-are-turning-a-profit.html>

