



# Greener Sets

Greater Philadelphia Film Office

# Table of Contents

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*Please click your area of interest to be directed to the corresponding page.*

## **Acknowledgements**

About Karyn Gerred, SETS author  
Research  
Buy Local

## **Introduction**

Objective  
Solutions  
How to Use SETS

## **All Departments**

Recycling in Philadelphia  
Beyond Single Stream  
Plastics Recycling Guide

## **Pre-Production**

Producer / Director  
Sound Stage / Shop  
Locations

## **The Production Office**

Office Supplies  
Computers / Electronics  
Energy Consumption

## **Cleaning / Restrooms**

Safer Cleaning Products  
Restrooms

## **The Breakroom/Lunch**

Water  
Coffee / Tea  
Lunch / Snacks

## **Set Construction / Locations**

Set Design  
Construction  
Grips

Paint

Set Dressing / Props  
Greens  
Electrics  
Special Effects  
Transportation

## **During the Shoot**

Locations  
Catering and Craft Services  
Shooting Grips / Electrics / Lighting  
Camera / Sound  
Continuity  
Special Effects  
Script / Call Sheets  
Make-up / Hair  
Wardrobe  
Onset Scenic/Carpenter/Dresser/Props  
Greens  
Transportation / Trailers  
Hotels

## **The Strike**

Recycling / Reuse for Set Materials  
Set Dressing/Props/Wardrobe Donations  
Paint Disposal  
Greens

## **Post-Production**

Editing  
Promotions / Marketing

## **Carbon Offsets**

## **Listings Directory**

**GPFO Environmental Statement**

# Acknowledgements

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## About Karyn Gerred, SETS author

Karyn Gerred is a painter and professional scenic artist in I.A.T.S.E. Local USA 829. She studied fine arts/painting at the University of the Arts in Philadelphia, graduating with a BFA in 1989. After several years painting for theater, television and feature films, she became increasingly alarmed by the environmental impacts of the entertainment industry, and decided to redirect her efforts from working on productions, to working on changing the way they are made. After extensive research, she wrote **SETS** in 2008, and continues to maintain it to ensure that it remains an up to date green production resource for the industry.

In 2009, she founded [The Resource Exchange](#), a nonprofit reuse center and workshop space dedicated to promoting creative reuse, recycling, and resource conservation by diverting valuable materials from the waste stream and redirecting them to artists, builders, educators and the general public. The organization's first program, [reSETS](#), targeted waste materials specifically generated from the entertainment industry. Since the program's inception, over 30 tons of material previously destined for landfill has been salvaged for reuse, and over 600 tons of additional material, previously considered "waste", has been recycled.

## Research

Many different environmental certification standards and organizations were consulted in order to choose the most relevant best practice tips, and to determine what qualifications a product or service should meet for inclusion. These organizations are excellent resources:

- Forest Stewardship Council (FSC)
- Leadership in Energy and Environmental Design (LEED)
- EnergyStar
- Green Seal
- GreenSpec
- The Natural Resources Defense Council
- The Institute for Local Self-Reliance
- The Environmental Media Association (EMA)

Choosing to lessen your production's negative impact on the environment outside should also involve improving the work environment inside. Some of the main health and safety concerns in the production environment have been addressed in this guide, but adequate coverage of these issues can be found by consulting these resources:

- The Occupational Safety and Health Administration (OSHA)
- The National Institute for Occupational Safety and Health (NIOSH)
- Art & Creative Materials Institute, Inc. (ACMI)

U.S. Consumer Product Safety Commission (CPSC)  
Arts Crafts Theater Safety (ACTS)  
Airborne Toxic Control Measure (ATCM)  
The Greenguard Environmental Institute (GEI)

## **Buy Local**

Buying local supports local businesses, conserves fuel, and reduces CO2 emissions by cutting down on transportation. Pennsylvania provides a 25% Film Production Tax Credit for film production expenses incurred in the Commonwealth. The transferable tax credit is available for feature films, TV shows and series, and commercials intended for a national audience. In order to qualify for the tax credit, 60 percent of the total production expenses must be incurred in Pennsylvania. No more than \$75 million per year can be awarded.

To have your business listed as a new GREEN Film Production Vendor, please contact Nicole Giles at [NicoleG@Film.org](mailto:NicoleG@Film.org) or call 215-686-2668.

# Introduction

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## **Objective**

This guide is only the beginning of what we hope to be an ongoing dialogue within the film, television, and theater industries in Philadelphia. These resources were compiled in an effort to spur more sustainable practices, by providing the information necessary for everyone from PA's to top level management to conserve resources, improve worker health and safety, and reduce the waste endemic in our trade. Individual crew members cannot change industry practices alone. Systemic change is needed.

## **Solutions**

Given the temporary nature of the entertainment business, making sustainability a priority can be difficult, but we need to ensure that our short term productions do not have long term environmental consequences. Focusing on the environment during the hectic pace of a typical production can be challenging, so it is critical to factor waste reduction, climate protection, and resource conservation strategies into the planning phase of every aspect of production. Are there measures in place to minimize waste on the set? Have recycling costs been included in the budget? How well ventilated is the workplace? Are there local vendors that offer more sustainable, less polluting materials? A well-integrated approach at the outset is the key to making sustainable production possible.

A clearly communicated environmental statement from a producer or director can minimize the constant conflict between sustainability goals and budgetary concerns. Access to above-the-line directors and producers is often limited, so an environmental commitment from the top would give department heads the opportunity to develop more sustainable strategies. This would allow the crew to prioritize reducing inefficiency

and waste, thereby neutralizing some of the higher costs commonly associated with purchasing lower impact alternatives. Union cooperation is also essential for lessening the environmental impact at the ground level, and creating sustainable production training programs would enable the workers to refine their crafts with an emphasis on environmental responsibility. Finally, local businesses are encouraged to contribute to **Setting Entertainment Toward Sustainability**.

We need to create a culture of sustainability in Philadelphia, and the current administration has demonstrated leadership by publicly setting an ambitious goal of becoming “**the greenest city in America**”. Now is the time for Philadelphia to become the industry leader in green film production.

## How to use SETS

“Green production” is now a significant trend in our business. Best practice solutions are being introduced industry-wide, but many have not yet been widely utilized. This underscored the need for our efforts in Philadelphia to focus on providing a comprehensive guide that would be relevant to film crews and other industry professionals on the ground. In order to maximize the impact of this guide, we have included:

- A **Recycling in Philadelphia** section outlining Philadelphia's commercial recycling regulations, including *Commercial Recycling Hauler* listings
- **Recycling Resources** (alphabetical by material)
- **Reuse/Donations and Food Recovery** listings for local nonprofits, thrift stores, food banks, shelters and organizations that accept donated materials
- A **Plastics #1-#7 Recycling Guide**
- **Best Practice Tips/Vendor Listings** organized both by department, and by each stage of a typical production
- **GPFO Environmental Statement** handout that can be printed and placed in the crew's start papers that outlines Philadelphia's green production commitment

We hope to see this become a continually updated electronic resource for the entertainment production community. Send feedback, more “best practice” suggestions, or vendor information to [SETS@Film.org](mailto:SETS@Film.org).

## All Departments

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### Recycling in Philadelphia

Philadelphia was the first city in the country to enact mandatory curbside recycling, and is now the largest city on the East Coast to have single stream recycling, which mandates that all residents recycle the following:



- Paper like newspapers, cardboard, food boxes, magazines, junk mail, etc.
- Steel and aluminum cans
- Glass jars and bottles
- Most #1-#7 plastics

Film and television production companies, theaters, etc. are considered commercial businesses with a construction component. **Commercial recycling regulations require them to develop and follow a recycling plan.** The plan must be filed with the Streets Department, distributed to all employees, and publicly posted on site premises. Businesses that fail to file a recycling plan can receive a visit from SWEEP (Streets and Walkways Education & Enforcement Program). SWEEP officers can issue daily fines for each violation. Your production must hire a private hauler to recycle the following:

- High grade office paper, newsprint and mixed paper
- Corrugated cardboard, glass food and beverage containers
- Recyclable plastics #1-#7
- Aluminum (including cans), steel and bimetal cans, ferrous metals and nonferrous metals
- Grindable and non-grindable garbage/food waste
- Concrete, sand, gravel, lumber/other wood
- Plaster, drywall, gypsum roofing materials
- Yard waste and motor oils

Recycling these mandated materials will save money by lowering the cost of waste disposal, and is a great first step in lessening your production's environmental impact. However, re-envisioning your production's waste as valuable raw materials, rather than paying to send it to landfill, will also help to offset the costs associated with recycling some of our industry's more difficult to recycle materials. Incorporating waste reduction techniques into the production's purchasing decisions and day to day operations will also help to protect not just your production's bottom line, but our community's natural resources.

Recycling needs will differ depending on the department, and will need to be enforced on the set, on location, in the catering tents, and in the production office. In order for your recycling efforts to be successful, try to make it just as easy for the crew to recycle as it would be to throw things away:

- Make sure that any recycling bins, food waste containers, non-recyclable trash cans, etc. are clearly marked, with holes in the lids that are sized to match the material being recycled (i.e. slots for paper, bottle size holes for beverage containers). This will reduce the risk of contamination.

- Place the recycling bins next to the non-recyclable trash cans in convenient locations in the production office, construction areas, break room, on the set, and on location.

- Try this tip from the California Film Commission's Green Resource Guide - *label garbage cans "landfill" so users will think twice!*

## Beyond Single Stream

Keeping single stream materials out of the waste stream is important, but sustainable procurement, reusing and recovering construction materials, and separating organic from inorganic for composting are ultimately going to need to become the cultural norm if Philadelphia is going to become "the Next Great City".

**Sustainable Procurement:** Choosing more sustainable, recyclable, and less toxic materials at the outset is critical to reducing the amount of materials sent to landfills

**Reuse:** Along with landfill diversion, it has the added benefit of being far less energy intensive than recycling

**Recycling:** Material that cannot initially be reused can be remanufactured into new products

**Composting:** Crucial for reducing methane gas in landfill; not currently available through standard commercial haulers

Philadelphia has recently expanded their single stream recycling collection to include more materials that can be commingled and then sorted off-site at a recycling facility. However, commingling recyclables with non-recyclable material increases cross contamination, which reduces the overall recoverability rate of the various materials. Whenever feasible, it is always preferable to do as much sorting on the job site as possible. The following page is a single sheet plastic recycling guide to post in your recycling area, to help with identifying and sorting plastics #1-#7.

## Plastics #1-#7 Recycling Guide

 <p><b>PET</b> Polyethylene Terephthalate</p>	<p>Plastic bottles for:</p> <ul style="list-style-type: none"> <li>• water, juice, soft drinks, beer</li> <li>• cough syrup, mouthwash</li> <li>• cooking oils, salad dressing               <ul style="list-style-type: none"> <li>• spices</li> </ul> </li> <li>• condiments</li> </ul>	<p><b>PET</b> is also used to make:</p> <ul style="list-style-type: none"> <li>• some take out containers</li> <li>• oven-safe film, microwavable food trays</li> </ul>	<p>Recycled <b>PET</b> is most often used to make:</p> <ul style="list-style-type: none"> <li>• textiles like polar fleece or carpet</li> <li>• filling for coats, lifejackets, sleeping bags</li> </ul>	<p><b>Antimony</b>, a toxic trace element &amp; carcinogen, is used as a catalyst in the manufacture of PET; it can leach into bottled water &amp; other liquids packaged in PET plastic</p>
 <p><b>HDPE</b> High Density Polyethylene</p>	<p>Many household &amp; industrial chemical bottles such as:</p> <ul style="list-style-type: none"> <li>• detergents, bleach</li> <li>• automotive fluid</li> <li>• shampoo, dish &amp; laundry detergent</li> </ul>	<p>Also used to make Tyvek products</p>	<p>Some dairy products are beginning to be packaged in <b>#2 HDPE</b>, rather than the <b>#5 PP Polypropylene</b></p>	<p>Injection-molded containers are often incompatible with blow-molded bottles in reprocessing operations, adding an additional step in the recycling process if collected commingled</p>

 <p><b>PVC</b> Polyvinyl Chloride</p>	<ul style="list-style-type: none"> <li>• blister packs &amp; clamshells</li> <li>• plumbing pipes</li> <li>• siding, window frames, gutters</li> <li>• inflatable toys</li> <li>• shower curtains</li> </ul>	<ul style="list-style-type: none"> <li>• loose-leaf binders</li> <li>• traffic cones</li> <li>• garden hoses</li> <li>• any clear plastic packaging that has a blue tint and a white crease that appears when creased</li> </ul>	<p>PVC contains toxic &amp; carcinogenic additives, including mercury, phthalates &amp; dioxin, that are hazardous to the environment and human health</p>	<p>Extremely limited end use markets due to its high chlorine content &amp; the high levels of hazardous additives; <b>avoid use.</b></p>
 <p><b>LDPE</b> Low Density Polyethylene</p>	<p>Used predominately in film applications. Other uses:</p> <ul style="list-style-type: none"> <li>• soft flexible container lids</li> <li>• squeezable bottles</li> <li>• many toys</li> </ul>	<ul style="list-style-type: none"> <li>• some shipping envelopes</li> <li>• some trash cans &amp; recycling bins</li> <li>• some food storage containers</li> </ul>	<p>Polyethylene is also used as the "wax" lining &amp; coating for:</p> <ul style="list-style-type: none"> <li>• hot/cold beverage cups &amp; polycoated boxes such as cream cheese boxes</li> </ul>	<p>"Aseptic" soy milk, juice, soup cartons &amp; boxes may also be rinsed and recycled, although very few paper mills use this material</p>
 <p><b>PP</b> Polypropylene</p>	<ul style="list-style-type: none"> <li>• containers for most dairy tubs</li> <li>• many takeout &amp; deli food containers</li> <li>• straws and flexible utensils</li> <li>• coffee stirrers</li> </ul>	<ul style="list-style-type: none"> <li>• most bottle caps &amp; aerosol caps</li> <li>• some medicine bottles</li> <li>• flower pots</li> <li>• plastic baskets for fruit</li> </ul>	<ul style="list-style-type: none"> <li>• brooms &amp; brushes, ice scrapers, oil funnels</li> <li>• toothbrush handles</li> <li>• many storage bins</li> </ul>	<p>Limited end use markets, although the <b>Gimme 5 campaign</b> is a manufacturer take back program in partnership with, <b>Preserve, Stonyfield Farm &amp; Brita</b></p>
 <p><b>PS</b> Polystyrene</p>	<ul style="list-style-type: none"> <li>• styrofoam food service items, such as Hinged takeout containers</li> <li>• meat and poultry trays &amp; egg shell cartons</li> </ul>	<ul style="list-style-type: none"> <li>• protective foam packaging, peanuts</li> <li>• breakable plastic utensils, coffee lids</li> <li>• hard, brittle plastic like red plastic "beer cups"</li> </ul>	<ul style="list-style-type: none"> <li>• compact disc cases &amp; video cassette cartridges</li> </ul> <p>*Rarely recycled, due to limited end use markets, &amp; transport costs. <b>Avoid use.</b></p>	<p>Manufacturing <b>polystyrene</b> releases hazardous chemicals into the environment, &amp; can transfer many of these substances to foods &amp; liquids packaged in styrene-based material.</p>
 <p><b>Other</b></p>	<p>Use of this code indicates one of the following:</p> <ul style="list-style-type: none"> <li>• a combination of resins which are not recyclable.</li> <li>• Polycarbonate, such as 5 gallon water cooler bottles</li> </ul>	<p>Can contain <b>BPA (bisphenol A)</b>, a Hormone mimicking chemical, which can disturb the body's endocrine system and has been linked to heart disease/obesity</p>	<ul style="list-style-type: none"> <li>• epoxy linings of tin food cans</li> <li>• newer plastics invented after 1987, including some "BPA-Free" plastics</li> </ul>	<p>* This code also includes PLA plastics made from renewable resources such as corn, sugar cane &amp; potatoes. These plant-based plastics are biodegradable and should be composted.</p>
<p><b>Plastic Bags</b></p>	<p>Recyclable bags include:</p> <ul style="list-style-type: none"> <li>• all clean, dry bags labeled #2 or #4</li> <li>• grocery bags &amp; household trash bags</li> <li>• newspaper bags</li> </ul>	<ul style="list-style-type: none"> <li>• dry cleaning bags</li> <li>• bread bags</li> <li>• produce bags</li> <li>• cereal box liners</li> <li>• toilet paper, napkin, &amp; paper towel wraps</li> </ul>	<ul style="list-style-type: none"> <li>• plastic retail bags (handles removed)</li> <li>• zip lock bags (remove hard components)</li> <li>• shipping "air cushions"</li> <li>• plastic shipping envelopes (remove labels)</li> </ul>	<ul style="list-style-type: none"> <li>• case wrap (e.g. snacks, water bottles)</li> <li>• furniture &amp; electronic wrap</li> </ul>

For Recycling Resources, click [here!](#)

# Pre-Production

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## Producer/Director

- An environmental commitment from the executive producer, producer, or director, would not only set the tone for the production, but would enable the environment to be included in everyday budgetary decisions. If reinforced by the line producer, 1st A.D., production manager and various department heads, this top down approach would assure the crew that financial priorities need not rule out sustainability goals, as long as in the end the cost/benefit analysis makes good business sense.
- Consider including an environmental budget line item that would include the up-front costs of recycling and environmentally friendlier procurement. Redirecting material from landfill is only cost prohibitive when you ignore the potential savings from conserving resources, and incorporating waste reduction strategies into the day to day operations of your production can offset the costs of purchasing less toxic materials.

For Industry Leader listings, click [here!](#)

## Sound Stage/ Shop

- Sound stages and construction shops should be accessible by public transportation, and be located in an area where the majority of the crew will not have to drive long distances.
- Many scene shops and set locations have no HVAC systems, limited heating/air conditioning capabilities, or are in buildings that are too large to keep climate controlled while still providing proper ventilation. Energy efficiency will often be at odds with indoor air quality, so make sure to put the scenics, special effects, welders, and other departments who regularly use hazardous materials closest to windows and doors to provide them with the fresh air they need, while minimizing energy loss.
- If the shop has heat or air conditioning, make sure there are strip curtains or insulated curtains installed on the loading dock doors if they are to be left open for long periods of time.
- Identify and address any health and safety risks, like poor ventilation or previous hazardous waste use or storage, before bringing in the crew. The unions should be actively involved in this process from the beginning, to ensure that their workers are safe, and to eliminate possible problems in the middle of a build.
- Create the main recycling area during the initial shop set up, to ensure that it will have adequate space, be clearly marked with appropriate signage, and be centrally located to all crewmembers (close to the breakroom area is usually ideal). Include a bulletin board for instructions, directions to any other recycling areas, etc. and a place for crew feedback and suggestions. Assigning a "green PA" to monitor this area is one way to stay on top of any glitches in the system, while allowing the crewmembers to concentrate on their primary responsibilities.

For Local Union listings, click [here!](#)

## Locations

- Look for locations that are reachable by public transportation, and make sure that maps given to the crew in the future include the closest public transit options.
- Consider the potential environmental impact your production might have when scouting locations.

# The Production Office

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## Office Supplies

- Look for office products with **Green Seal** certification.
- Buy recycled products. Many recycled products contain pre-consumer manufacturer waste, but do not contain post-consumer waste (PCW), so look for paper, pencils, paperclips, etc. with a high percentage of post-consumer content.
- Try used office supply dealers or thrift shops for desk chairs, file cabinets, etc.
- Make a point of asking for the least amount of packaging when ordering supplies.
- Avoid chlorine bleached paper, which produces toxic dioxin pollution.
- Use remanufactured and refillable toner and inkjet cartridges.
- Keep copies to a minimum, and print double-sided whenever possible (many laser printers now feature double-sided printing capability).
- Reuse any single-side printed paper for test printing, rough drafts of scripts, memos, etc.
- Communicate via email instead of printing memos, or unnecessarily transferring/storing information on disk.
- Storing information in web based email doesn't require additional storage media, and is also good back up, especially since much of your production's information is only needed for the duration of the shoot. Use flash drives instead of CDs whenever possible.
- Use a bulletin board to communicate interoffice messages.
- Reuse manila envelopes.
- Share magazines.
- Choose less toxic, water-based markers, correction fluid, etc. that conform to the Art and Creative Materials Institute (ACMI) standards, labeled "AP" (approved product).

For Office Supply Vendors, click [here!](#)

## Computers / Electronics

- Rent or purchase energy efficient **EPA Energy Star equipment**, and look for products that have also received approval by **EPEAT (Electronic Product Environmental Assessment Tool)**, whose much broader **evaluating criteria** also includes elimination of toxic chemicals during manufacture, and product longevity.
- Try to use laptops, which are more energy efficient than older desktop models.
- Turn off computers when not in use, and enable the "sleep mode" feature on your computer, to conserve energy. In Windows, the settings are found on the control panel.
- Leave peripherals unplugged until you need them.

- Use **Blackle**, the environmentally friendly black version of the Google search engine, which saves energy by lowering the amount of energy required by your monitor to display a black screen.
- Donate or recycle any unwanted electronic equipment.

For Energy Efficient Products listings, click [here!](#)

## Energy Consumption

- Purchase renewable energy credits from the local utility company.
- Set the thermostat in winter to 68 degrees or less, and 78 degrees or more during the summer. Use fans instead of air conditioning whenever possible.
- Turn off space heaters and fans when leaving the room.
- Keep doors and windows closed when heat/air conditioning is on.
- Turn out the lights in unused rooms, and work by daylight whenever possible.
- Use compact fluorescent or led light bulbs, instead of halogen and incandescent.
- Many appliances continue to draw power even when turned off, and chargers continue to use energy even when the equipment is fully charged or disconnected from the charger. To reduce these "phantom loads", plug your equipment into power strips that can be turned off when not in use to eliminate their "standby" consumption. Unplug all chargers when not in use and leave all seldom used equipment unplugged until needed.
- Use rechargeable batteries instead of disposables for small electronic devices.
- Use batteries and chargers powered by alternative energy.

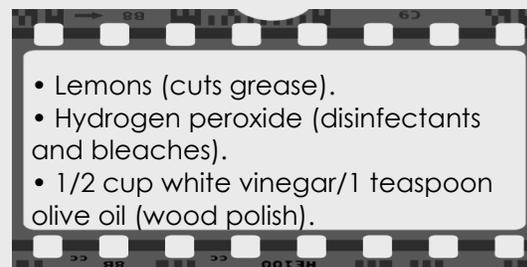
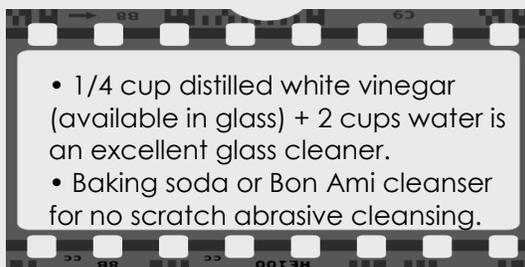
For Energy Efficient Lighting or Batteries/Charger listings, click [here!](#)

## Cleaning / Restrooms

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### Safer Cleaning Products

- Choose nontoxic/biodegradable alternatives to harsh chemical cleaners that expose employees to toxic fumes and pollute the local waterways. Also, many cleaning needs can be met with:



- Purchase concentrates and bulk sizes to avoid excess packaging.

- Use equal parts baking soda/white vinegar to unblock pipes. You can also use washing soda if your pipes are not PVC.

## Restrooms

- Buy 100% post-consumer-recycled, chlorine-free toilet paper, tissues, paper towels.
- Use paper towels sparingly, and substitute natural sponges and/or cloth rags whenever possible.

For Cleaning/Restroom Supplies listings, click [here!](#)

# The Breakroom/Lunch

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## Water

- Use tap water. Municipal tap water is filtered, disinfected, and subject to strict pollution controls by state and local governments, as well as the EPA. **Bottled water** is subject to far less stringent testing, and the bottles themselves can leach the elemental metal antimony, a suspected carcinogen, into the water.
- If you do not trust the quality of your tap water, you can rent a bottle-less water cooler, a filtration system that removes chlorine and other contaminants.
- Another alternative is using water coolers instead of single use, disposable plastics bottles.
- If you must drink bottled water, make sure to choose a brand with a local water source to minimize the amount of fuel used during transport. Always recycle the bottles, the plastic caps, and any cardboard or plastic film the bottles were packaged in.

For Environmentally-Friendly Water Source listings, click [here!](#)

## Coffee / Tea

- Buy organic, fair trade coffee and tea in bulk, to save money and to avoid excess packaging.
- Use your own travel mugs and take them with you when going out for coffee. If you forget to bring one along, don't purchase coffee sold in styrofoam cups, and make sure to recycle the disposable #6 plastic lids.
- Use washable, reusable spoons instead of disposable stirrers. If you use disposables, recycle them.
- Choose a coffee maker that uses washable, fine mesh filters instead of disposable paper filters. If you are using a model that uses paper filters, buy them unbleached.

- Thermal carafe coffee makers are also a better choice, as the coffee will stay hot without needing electricity to keep a burner on warm.
- Unplug the coffee maker when not in use.

For Fair Trade Coffee / Beans listings, click [here!](#)

## Lunch / Snacks

- Buy organic and/or locally grown seasonal fruits and vegetables, and minimally packaged snacks for the breakroom (see Catering/Craft Service section on page 26 for vendors.)
- Carpool to restaurants.
- If you leave the office for lunch, get into the habit of taking your own reusable bag with you.
- Bringing your own lunch can eliminate a lot of wasteful packaging, to go containers, bags, etc. It also gives you more control over the carbon footprint of your lunch, and is more economical.
- Stock the lunch area / breakroom with reusable plates, cups, mugs, and utensils instead of disposables, and encourage the crew to wash their own dishes. The extra time it takes is minimal, and will keep an enormous amount of non-biodegradable material from being unnecessarily thrown away.
- Any disposables provided should be made from biodegradable, compostable material, not petrochemical plastic.
- Taking your own utensils will also prevent more single use plastic from being sent to landfill. Many different types are available at camping supply stores, or you can simply purchase some from a local thrift store.
- Avoid using all styrofoam.
- Use biodegradable trash bags.

For Environmentally-Friendly Food Packaging listings, click [here!](#)

# Set Construction / Locations

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## Set Design

- The designer needs to factor the environment into the design of the set, and should work with the art director, construction coordinator and foreman, scenic charge, and set decorator to conserve resources, and to choose materials that are safe for both the workers and the environment.
- Cooperation and good communication between the designer and the director is crucial in the planning stages of the build to avoid expensive, wasteful design changes. Also, with careful planning, the design and shoot schedule can be coordinated to allow for reuse of things like set walls, platforming, and lighting grids, saving both money and resources.

## Construction

- **Lauan** is manufactured with endangered rainforest hardwood, and should be avoided. The **Environmental Media Association (EMA)** has gathered a list of directors who have pledged to help reduce the use of the tropical plywood Lauan, in favor of available, environmentally responsible and cost-effective lauan alternatives.
- Build all set walls and pieces with resource conservation, disassembly and recoverability in mind. Whenever possible, use screws that can be removed instead of staples, and avoid applying adhesive to materials that will make separating them at strike difficult or impossible.
- Check the designated wood scrap/offcut area first before using new material.
- **Formaldehyde**, present in most construction material, has been identified by OSHA as carcinogenic. Sawdust should always be kept to a minimum with proper dust collection systems.
- Cutting and routing composite materials can release harmful vapors from heating adhesives and resins, so ventilation in the carpentry area is essential.
- Avoid fossil-fuel-based plastics, foam, and other polluting materials, substituting wood, canvas, paper, and cardboard and other biodegradable materials whenever possible.
- Use **low VOC, solvent-free construction adhesive**.
- Rechargeable batteries in power tools should be fully drained before recharging to extend their life.

For Construction Vendors, click [here!](#)

## Grips

- Set up an area where off-cut lauan / homosote / plywood / plexiglass and other sheet goods, and 1x, 2x, etc., can be stored and used for smaller jobs, rather than cutting from full sheets and lengths.
- Designate waste cans specifically for small wood scraps and sawdust only, so that they are kept separate from other trash, and can easily be recovered by your recycler.
- Sawdust, silica dust, and many other dusts from sanding and liquid evaporation become airborne when they are dry swept, causing a significant respiratory health risk to the crew. Wet mop or HEPA vacuum dust whenever time allows, and use a spray bottle with water or solvent-free sweeping compound when sweeping.

For Grip Supplies listings, click [here!](#)

## Paint

- Many materials scenics use contain skin, eye, and lung irritants, and can be carcinogenic and toxic to the environment. The scenic charge needs to educate the industrial/scenic crew on proper handling and disposal of materials, and make it a top priority throughout the build.
- Look for **Green Seal** certified paints that emit zero or low levels of volatile organic compounds (VOCs), hazardous air pollutants, and ozone-depleting compounds. They cannot contain any proven carcinogens, mutagens, reproductive toxins (except titanium dioxide). The packaging must also contain a minimum of 20% recovered material.
- The **ACMI AP (Approved Product) Seal** is another important certification to look for on artist materials. While primarily concerned with identifying materials that do not pose significant health risks, products with this stamp are often less polluting to the environment.
- Paint is one product that is not necessarily better to buy in bulk sizes. Gallon cans are made of recyclable steel, which can be melted down almost indefinitely, with minimal loss in the quality of the raw material. Five gallon buckets are made out of fossil fuel based #2 HDPE plastic, which can only be “down-cycled” once into a much lower grade product, such as plastic lumber, that must then be placed in a landfill at the end of its life.
- Steel paint cans can still be recycled with small amounts of dried latex paint residue in them, so after getting as much paint as possible out of the can (regular kitchen spatulas work great) leave the lid off to air-dry, and then recycle the can and lid. Never rinse excess paint down the drain.
- Keep a large sheet of cardboard in the scenic area to get excess latex paint off of rollers and brushes before washing. Each layer can dry out, so the sheet can be used repeatedly.
- Brushes and roller covers that are going to be used again within a short time can be stored in biodegradable Ziploc bags, rather than repeatedly rinsing excess paint down the drain.
- Leftover paints of similar chemistry can be consolidated by color/sheen, so that they can easily be tinted and reused for a different project, or used as a primer or base coat. Make sure that these mixtures are clearly labeled, and never mix solvent based oil paint with water based paint.
- Avoid all oil-based paints that include toxic paint thinners, like mineral spirits, turpentine, acetone, xylene, and denatured alcohol. Make sure you wear NIOSH approved respirators with the proper cartridges when using solvents, and remember that the warnings regarding proper ventilation also applies to the workers around you.

- Establish a solvent mixing area separate from the water based mixing tables, where the fumes can be properly ventilated, and keep all containers closed when not in use.
- If you use oil paints, never wash brushes in the sink without soaking them in paint thinner first. Jars used for cleaning brushes must be tall enough to soak brushes in and still close tightly. The paint sediments will settle to the bottom overnight, so you can reuse the turpentine, mineral spirits, etc. many times over. Wash hands with baby oil instead of solvents.
- Even water-based latex paints can contain harmful ingredients like formaldehyde, ammonia, hazardous pigments, and solvents like ethylene glycol (antifreeze). These are all toxic when absorbed through the skin, or if inhaled for long periods of time, so use with caution.
- Oil-based paint, brushes, and rags used with solvents are considered hazardous materials, and cannot be disposed of in regular trash.
- Brushes, even inexpensive chip brushes, are not meant to be disposable. Take care of them.
- Use canvas drop cloths without the plastic lining.
- Avoid spray paints and adhesives. If they must be used, only use them while wearing a respirator in a well-ventilated area, like outdoors or in a spray booth.
- Repeated exposure to “respirable” silica dust from sanding joint compound and paint can cause many respiratory health problems, including lung cancer and silicosis. Wet sand whenever possible, avoid making the dust airborne with fans, and make sure to wear a mask or respirator with the proper particulate filter efficiency level (nuisance dust masks are not sufficient protection.)
- Joint compound contains polyvinyl acetate, preservatives like formaldehyde, and solvents. When drying time allows for a slower setting joint compound, use Murco 100, which is solvent and preservative free, and contains only natural binders.
- Use water based glues, like Elmer's or Sobo whenever possible, and avoid highly toxic two part epoxies, spray adhesives, rubber cement, etc.
- Try powdered biodegradable glue or 100% wheat paste (without vinyl additives and preservatives).
- Use solvent-free butchers wax.
- Use low VOC caulk.
- Polyurethane two-component resins, expandable foams and fiberglass resins are extremely toxic, and should only be used after specific precautions have been taken. Contact United Scenic Artists Local 829, Industrial Hygienist Monona Rossol 212-777-0062 or at [actsnyc@cs.com](mailto:actsnyc@cs.com) regarding the safe use of these materials.

- Use **biodegradable Ziploc bags** for brush/roller storage, **biodegradable quart cups** instead of plastic, and **biodegradable cellophane** instead of acetate for tracing/elevation covering.
- Buy **reclaimed rags**, and rinse and reuse them as much as possible before discarding.

For Paint & Scenic Supply Vendors or Safety Equipment listings, click [here!](#)

## **Set Dressing / Props**

- Rent instead of buying whenever possible.
- Buyers for set deck/props should choose fuel efficient vehicles, and make every effort to shop locally.
- Purchase used cardboard boxes, or choose a supplier that uses recycled cardboard with a high percentage of post-consumer content.
- Replace commonly used cleaners, like ammonia, with less toxic alternatives

For Set Dressing Supplies listings, click [here!](#)

## **Greens**

- Purchase plants, soil, etc. from local nurseries and urban farms that do not use excessive pesticides, and sell native species. Donate plants to the community after the shoot.

For Set Greens Supplies listings, click [here!](#)

## **Electrics**

- The electrics crew is often left with the task of turning off unused equipment. Make sure that the crew is told at the beginning of the production that while the electrics crew is there to help safely get power to their work area, it is the responsibility of every crew member to turn off their work lights, compressors, fans, etc. when they are finished with them.

## **Special Effects**

- Many hazardous chemicals are used in the special effect department, and it is crucial that this area be located in a section of the shop with adequate ventilation and exhaust capabilities.
- The welding area should be kept 35 feet from any combustibles, including sawdust and flammable paint. Fire extinguishing equipment must be available and maintained.

## **Transportation**

- Carpool whenever possible.

- Instead of just reimbursing for parking or mileage, consider financial incentives to reward the crewmembers who use public transportation.
- For getting around the set, opt for alternate forms of transportation whenever possible. Encourage the crew to ride bike, scooters, etc. around the set instead of gators or cars.
- To conserve fuel, the scenic charge, construction foreman, and key grip should make every effort to coordinate their supply runs and deliveries to locations.
- Unload any unnecessary weight during deliveries, to increase fuel efficiency.
- Do not keep production vehicles running when not in use. Diesel emissions contribute to asthma, chronic bronchitis, and lung cancer, and Philadelphia has **anti-idling laws** aimed at reducing toxic air pollution and conserving fuel.
- Optimize fuel efficiency by accelerating slowly and smoothly, and maintaining the speed limit.
- Recycle all motor oil, antifreeze, etc.
- Contract with buses/trailers that are fuel efficient, preferably biodiesel.
- Purchase biodiesel blends for trucks and equipment. While B5-B20 are the current standard, some engine manufactures are starting to accept higher biodiesel percentages.

For Alternative Transportation & Fueling listings, click [here!](#)

## During the Shoot

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### **Locations**

- Arrange for a dumpster or hauler that will recycle all recoverable materials generated on location, including construction, paint, catering, and shoot crew waste.
- If possible, bring a coffee pot to the location, so that the crew can have coffee throughout the day in travel mugs that they bring with them, rather than buying the crew coffee in disposable cups.
- Water on location also generates a great deal of unnecessary waste, so whenever possible, encourage the use of tap water, water coolers, and refillable containers, instead of buying bottled water.

### **Catering and Craft Services**

- Many caterers who serve the entertainment industry use dishes, glasses and silverware, rather than single use disposables. Make sure that when you are deciding on a caterer, that you choose one that agrees to make that the default, and that if

a location has no dishwashing capability, or there are other circumstances that make using real dishes impossible, that they agree to use only biodegradable disposables.

- All food has a carbon footprint, but caterers can greatly reduce their environmental impact by serving meals with more seasonal, local produce, and less meat and dairy. When serving meat, look for locally sourced, free-range, and antibiotic/growth-hormone free options, and try to find seafood choices that are also local and sustainable.
- Both the caterers and craft service should use locally sourced and/or organic foods whenever possible and remember to provide vegetarian/vegan options.
- Offer some craft service snacks that do not require plates or utensils. Any disposables provided should be made from biodegradable, compostable material, not petrochemical plastic. Avoid using all styrofoam.
- Arrange to get any perishable leftover food after the meals to a local food bank or shelter, and donate any unwanted non-perishables when time allows. For detailed information on The Emerson Good Samaritan Food Donation Act, see [www.epa.gov/epawaste/conserva/materials/organics/pubs/wast\\_not.pdf](http://www.epa.gov/epawaste/conserva/materials/organics/pubs/wast_not.pdf)
- Philadelphia currently does not have a commercial composting facility that handles food waste. The closest permitted compost facility is **Two Particular Acres** in Royersford. For smaller quantities, many types of portable, inexpensive composters are available that could be used to handle food preparation scraps, and the resulting compost can be donated to many community gardens in Philadelphia.

For Catering & Craft Service, Composting, or Biodegradable Food Storage listings, click [here!](#)

## **Shooting Grips / Electrics / Lighting**

- Turn off all lights and equipment when not in use, and unplug them when feasible.
- Recycle color gels. While costly, glass dichroic filters are a longer lasting, less wasteful choice.
- Use energy efficient lighting, like compact fluorescents or **Nila** led lighting.

For Energy Efficient Lighting listings, click [here!](#)

## **Camera / Sound**

- Record to hard drive, cards, Flash Drive, or other reusable media instead of tape and film.
- Play digital dailies directly from the hard drive rather than printing them to CD and DVD

- Use rechargeable batteries, and put used batteries aside for recycling.
- Purchase and rent energy-efficient equipment.
- Consider shooting in 3 perf, which uses 25% less raw film stock and processing chemicals.

- When using film, make sure that waste film and photographic processing chemicals are disposed of in accordance with local regulations.

## Continuity

- Use digital photos, rather than Polaroid.

For Recycled Video Cassette Tapes, click [here!](#)

## Special Effects

Make sure that the [Philadelphia Department of Public Health's Air Management Services and Environmental Health Services Units](#) are consulted regarding any potential environmental hazards that may be associated with special effects during the shoot.

## Script / Call Sheets

- Use the daily call sheets as a place for reinforcing your production's environmental commitment, by including recycling reminders, updates on any progress made, or other environmental information.
- Use double-sided script sides, and make sure that there is a clearly marked paper recycling bin convenient to the set.

## Make-up / Hair

- Choose products that use less packaging, or biodegradable packaging.
- Choose products that meet the criteria of the [Campaign for Safe Cosmetics](#).
- Use cruelty-free products that do not use animal testing.
- Look for organic alternatives.

For Environmentally-Friendly Make-up & Hair Care Supplies listings, click [here!](#)

## Wardrobe

- Avoid purchasing synthetic materials like vinyl and polyester, which are petroleum derived and highly toxic to manufacture.
- Donate used costumes.
- Reuse/recycle coat hangers and plastic garment covers.

- Avoid dry cleaning, or use environmentally-friendlier dry cleaners that do not use perchloroethylene when cleaning costumes.

For listings of Environmentally-Friendly Dry Cleaners, click [here!](#)

## **Onset Scenic / Carpenter / Dresser / Props**

Traditional onset quick fixes involve using dulling spray, spray adhesive, toxic cleaners and other solvent-based products that pollute the environment and subject the cast and crew to inhalation hazards. Proper ventilation is likely to be even more limited than usual in a controlled shooting environment, so every effort should be made to substitute less toxic, non-aerosol alternatives to minimize the impact on indoor air quality.

## **Greens**

Plants purchased should be maintained not just for the duration of the shot, but with the intent of selling, donating or replanting as many of them as possible afterwards.

## **Transportation / Trailers**

- Avoid flying as much as possible, by using phone and internet conferencing.
- When trailers are empty, make sure to turn off the generators.
- When renting cars/trucks/gators, choose fuel efficient models, alternative fuel hybrids, or use diesel engines, which run on low sulfur diesel or biodiesel.

For Car Rental listings, click [here!](#)

## **Hotels**

Whenever possible, book rooms in hotels that have instituted environmental friendlier policies.

For Greener Lodging listings, click [here!](#)

# The Strike

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## **Recycling / Reuse for Set Materials**

- Reuse should be prioritized, so donate as much reusable lumber, scenery, paint, and set decoration as possible.
- Most of the set, including set walls, and wood with nails and screws, can be recycled.
- Recycle all scrap metal. Ferrous scrap metals are magnetic, and include all types and shapes of iron and steel. Nonferrous scrap metals including aluminum, copper, and brass may be recycled separately, so check with your recycler.
- Plate glass, tempered glass, Plexiglass, etc. should be donated or recycled.

For Set Material Reuse listings, click [here!](#)

### **Set Dressing / Props / Wardrobe Donations**

- Props and set dressing pieces that were purchased rather than rented should be sold to crew or donated.
- Recycle all cardboard boxes and packing material.

### **Paint Disposal**

- Ask the production office staff to notify the entire crew about available paint to take for home projects, and donate the rest.
- Never put any wet paint, including water based latex, down the drain or in the trash. Small amounts of unwanted paint can be rolled out onto a piece of scrap cardboard, or solidified by adding small amounts of shredded newspaper or cat litter until dry, and then sent to landfill.
- Empty paint cans, can lids, and #2 plastic paint buckets with minimal residue, and empty aerosol cans with their caps removed, can ALL be put in with commingled single stream recyclables.
- All solvent based paint must be disposed of as hazardous waste. Contact the Philadelphia Streets Department for commercial hazardous waste regulations.

### **Greens**

Donate plants, mulch, soil, etc. to crewmembers, or to local community gardens, who may also be able to use leftover organic material in their compost.

## **Post-Production**

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### **Editing**

Use digital post-production.

### **Promotions / Marketing**

- Distribute promotional materials online as much as possible, and choose nontoxic, biodegradable materials for print promotion.
- There are many DVD case designs now that are made out of renewable material, so choose environmentally-friendly media packaging.
- Consider highlighting your production's environmental best practices in the local media, or in the Special Features section of the DVD.

For Greener Printing listings, click [here!](#)

# Carbon Offsets

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The films *The Day After Tomorrow* (Twentieth Century Fox), *Syriana* (Participant Media), and the documentary *An Inconvenient Truth* (Paramount Vantage) were the first major motion pictures to be considered “climate neutral”. By investing in reforestation efforts and renewable energy projects, they sought to “offset” the carbon dioxide emissions generated by their productions. CO2 offsets have since become an increasingly popular trend in the entertainment industry, and it is becoming the primary tool for measuring a production's environmental commitment. However, climate change is only one aspect of our ecological footprint. Along with curbing greenhouse gas emissions, sustainable production also means:

- Sustainable use of our planet's natural resources.
- Reduction of waste and toxic pollutants in our landfills and waterways.
- Promotion of organic agriculture and equitable global food distribution.
- Water conservation.

All of these factors contribute to our impact on the environment, and should be considered in any sustainable production strategy. “Carbon neutrality” itself is controversial. There are no globally agreed upon standards, and any regulations imposed on the market are voluntary, and extremely difficult to verify. In the entertainment business, this is further complicated by the fact that there are no industry-specific formulas to calculate how much carbon dioxide a production generates. Does “carbon neutral” include deforesting the rainforest for luan? What about the carbon footprint of the petrochemical plastics used to construct the set? Are carbon credits purchased to offset travel limited to compensating for the travel of the cast and crew, or have the greenhouse gas emissions from transporting food, water, and materials been considered? Given these limitations, it is more realistic to discuss reducing, not neutralizing, carbon emissions.

Finally, because financial considerations are by far the biggest impediment to making more environmentally responsible productions, the best strategy for reducing global warming is to concentrate on minimizing consumption and waste, rather than trying to compensate for it after the shoot. If there is money in the budget for offsets, first consider:

- Hiring an environmental consultant to assist your production with sustainability efforts.
- Paying to switch from fossil fuel-based energy to 100% renewables with the local utility company.
- Purchasing sustainable, locally sourced building materials, food, etc. even if at higher cost.
- Ensuring that your recycler will divert the majority of your waste, including organics, from landfill to reduce methane emissions.
- Creating a financial incentive program for the cast and crew to choose environmentally friendlier travel options.
- Purchasing any available alternatives to petrochemical products.

For Carbon Offset Company listings, click [here!](#)

**Making tangible, measurable investments in your production's environmental efforts is the most effective way to reduce your overall carbon footprint.**

# Listings Directory

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*Please click your area of interest to be directed to the corresponding page.*

Batteries / Chargers  
Catering & Craft Services  
Cleaning / Restroom Supplies  
Commercial Recycling Haulers  
Composting  
Construction Vendors  
Energy Efficient Lighting  
Energy Efficient Products  
Environmentally-Friendly Water Sources  
Fair Trade Coffee / Beans  
Greener Lodging  
Grip Supplies  
Industry Leaders  
Local Unions  
Make-up / Hair Care Supplies  
Office Supply Vendors  
Paint Vendors  
Printing  
Recyclable Containers / Biodegradable Food Packaging  
Recycling Resources  
Renewable Energy  
Reuse / Donations and Food Recovery  
Safety Equipment  
Set Dressing Supplies  
Set Greens Supplies  
Scenic Supply Vendors  
Transportation & Fueling

## **Batteries / Chargers**

### **Best Buy**

They accept rechargeable batteries, as well as cell phones and ink-jet cartridges, at no cost. [www.bestbuy.com](http://www.bestbuy.com)

2300 S Christopher Columbus Blvd  
Philadelphia, PA 19148

Phone: 215-336-2212

### **Free Charge 12V**

Hand crank generated electricity for mobile phones, PDAs, iPods, GPS receivers, or

any other electronic device for which you have (or can get) a cigarette-lighter adapter; available at [www.freeplayenergy.com](http://www.freeplayenergy.com).

### **The Rechargeable Battery Recycling Corporation's Call2Recycle Program**

Accepts rechargeable batteries from many electronic devices. [www.rbrc.org](http://www.rbrc.org)  
Locally, you can recycle batteries for this program by dropping them off at any Radio Shack location. [www.radioshack.com](http://www.radioshack.com)

Phone: 877-2-RECYCLE

### **Solio (Better Energy Systems LLC)**

Solar powered chargers for a wide variety of handheld electronic devices; available at many retail locations or at [www.solio.com](http://www.solio.com).

299 Third Street, Ste. 101  
Oakland, CA 94607

Phone: 510-868-8714  
Fax: 510-295-24

### **Solar Home**

Online retailer of many solar powered chargers through [www.solarhome.org](http://www.solarhome.org) or 1-866-SUN PRODUCTS (1-866-786-7763).

**USBCell Batteries** (Manufactured by [Moixa Energy](http://www.moixaenergy.com)) NiMH batteries are rechargeable from a USB port; available online at [www.usbcell.com](http://www.usbcell.com).

## **Catering & Craft Services**

### **Essene Market**

Their produce is organic, although most is not local. [www.essenemarket.com](http://www.essenemarket.com)

719 S. 4th Street  
Philadelphia, PA 19147

Phone: 215-922-1146

### **Fair Food Farmstand**

Local, sustainably produced produce, humanely-raised meat and poultry, grass-based dairy, eggs, cheese, and baked goods. [www.fairfoodphilly.org](http://www.fairfoodphilly.org)

12th & Arch Street  
(stand is inside, across from  
Metropolitan Bakery)

Phone: 215-386-5211 (ext 120)

### **Greensgrow**

Local urban farm and market that sells produce, cheeses, baked goods, etc. from regional farms and businesses. [www.greengrow.org](http://www.greengrow.org)

2501 E. Cumberland Street  
Philadelphia, PA 19125

Phone: 215-427-2702  
Fax: 215-475-4670

### **Metropolitan Bakery**

Handmade bread, rolls, granola, and other baked goods made in Fishtown since 1993. They support local farmers by offering locally made jams, cheeses, spreads and other specialties in their five Philadelphia locations, and the 19th street store is a pick-up location for community-supported agriculture. They also donate bread to shelters every week. [www.metropolitanbakery.com](http://www.metropolitanbakery.com)

Toll Free: 1-877-41-BREAD

Contact Sandra Larcade

Phone: 215-266-6386

[sandra@metropolitanbakery.com](mailto:sandra@metropolitanbakery.com)

### **Otolith**

Local, family owned business that sells responsibly harvested Alaskan seafood.

[www.otolithonline.com](http://www.otolithonline.com)

2133 Huntingdon Street

Philadelphia, PA 19125

Phone: 215.426.4266

Email: [inquiries@otolithonline.com](mailto:inquiries@otolithonline.com)

### **Steaz (The Healthy Beverage Company)**

A local, organic, fair trade beverages company. [www.steaz.com](http://www.steaz.com)

18 S. State Street

Newtown, PA 18940

Phone: 215-321-8330 office

Toll Free: 800-295-1388

Email: [info@steaz.com](mailto:info@steaz.com)

### **Weavers Way Coop**

[www.weaversway.coop](http://www.weaversway.coop)

559 Carpenter Lane

Philadelphia, Pennsylvania 19119

Phone: 215-843-2350

## **Cleaning / Restroom Supplies**

### **Curry Office Supplies**

Bulk recycled toilet paper, tissues, and paper towels; specify products with the highest post-consumer recycled content. Also, many bulk size safer cleaning products, including Green Works. [www.dswebengine.com/curry](http://www.dswebengine.com/curry)

233 Chestnut Street

Philadelphia, PA 19106

Phone: 215-627-0990

Fax: 215-627-5448

### **GreenLine Paper Company, Inc.**

Many cleaning products, bulk recycled toilet paper and Tork 90% post-consumer recycled, chlorine-free paper towels. A local wholesale distributor that carries safer cleaning products and EcoSoft Green Seal towel and tissue products. Check out [www.greenlinepaper.com](http://www.greenlinepaper.com).

631 S Pine Street

York, PA 17403

Phone: 1-800-641-1117

**Kim's Cleaners**

This cleaner uses the hydrocarbon method, which is less toxic than perchloroethylene, but still involves using a petrochemical VOC solvent that release greenhouse gases. Until better options become available in Philadelphia, the best option is to hand wash, and avoid dry cleaning whenever possible.

414 South 20th Street  
Philadelphia, PA 19103

Phone: 215-546-5595

**Lap Distributors**

Products available through [www.lapdistributors.com](http://www.lapdistributors.com).

3515 Amber Street  
Philadelphia, PA 19134

Phone: 215-744-4000

Fax: 215-744-5717

Email: [info@lapdistributors.com](mailto:info@lapdistributors.com)

**Method**

Widely available line of environmentally friendlier, safer home care products; for a list of retail outlets, go to [www.methodhome.com](http://www.methodhome.com).

**Oxford Valley Custom Cleaners**

Listed in the EPA's The Cleaner Guide, but you must specify that you want them to use their wet-cleaning process, a water-based alternative that uses special biodegradable detergents.

148 N. Flowers Mill Road  
Langhorne, PA 19044

Phone: 215-750-787

**Plaza Cleaners**

This cleaner uses the hydrocarbon method, which is less toxic than perchloroethylene, but still involves using a petrochemical VOC solvent that release greenhouse gases. Until better options become available in Philadelphia, the best option is to hand wash, and avoid dry cleaning whenever possible.

7630 Germantown Ave #2,  
Philadelphia, PA 19118

Phone: 215-247-6023

**Sun & Earth, Inc.**

Locally manufactured, biodegradable cleaning products, available in bulk sizes; go to [www.sunandearth.com](http://www.sunandearth.com).

221 King Manor Drive  
King of Prussia, PA 19406

Phone: 610-239-9677 Option #2

Email: [info@sunandearth.com](mailto:info@sunandearth.com)

**Whole Foods Markets**

Many safer cleaning products, and 365 or Seventh Generation recycled toilet paper, tissues and paper towels. For locations, go to [www.wholefoodsmarket.com](http://www.wholefoodsmarket.com).

## **Commercial Recycling Haulers**

### **Gold Medal Disposal**

Separates mixed paper from other single stream materials. Gold Medal Disposal will provide single stream dumpsters, but do not recycle construction debris from sets.

Go to [www.goldmedaldisposal.com](http://www.goldmedaldisposal.com).

3323 South 61st Street  
Philadelphia, PA 19153

Phone: 215-727-7000  
Fax: 215-724-4974  
Email: [info@GoldMedalDisposal.com](mailto:info@GoldMedalDisposal.com)

### **Republic Services**

Co-mingled single stream collection. Republic Services will provide single stream dumpsters, but do not recycle construction debris from sets. Go to

[www.disposal.com](http://www.disposal.com).

3000 Hedley Street  
Philadelphia, PA 19137

Phone: 610-265-6337

### **Revolution Recovery**

A full service recycling company, who will also recycle your production's set construction waste. Go to [www.revolutionrecovery.com](http://www.revolutionrecovery.com).

7333 Milnor Street, Suite 220  
Philadelphia, PA 19136

Phone: 215-333-6505  
Fax: 215-333-6437

### **Waste Management**

Co-mingled single stream collection. Waste Management will provide single stream dumpsters, but do not recycle construction debris from sets. Go to [www.wm.com](http://www.wm.com).

3605 Gray's Ferry Avenue  
Philadelphia, PA 19146

Phone: 215-467-2004  
Fax: 215-467-6931

### **For additional Recycling information, check out:**

Commercial Solid Waste Plan

[www.philadelphiastreet.com/san-commercial-solidwaste-plan.aspx](http://www.philadelphiastreet.com/san-commercial-solidwaste-plan.aspx)

The Philadelphia Streets Department Recycling Unit – Commercial Recycling

[www.philadelphiastreet.com](http://www.philadelphiastreet.com)

730 Municipal Services Building  
1401 John F. Kennedy Blvd  
Philadelphia, PA 19102

Phone: 215-686-5560  
Fax: 215-686-7812  
Email: [csstreets@phila.gov](mailto:csstreets@phila.gov)

The City of Philadelphia's Business Recycling

[www.business.phila.gov/Pages/Recycling.aspx](http://www.business.phila.gov/Pages/Recycling.aspx)

A Commercial Recycling Brochure

[www.philadelphiastreet.com/pdf/6752pro\\_COMMrecyclingBro\\_9.pdf](http://www.philadelphiastreet.com/pdf/6752pro_COMMrecyclingBro_9.pdf)

Recycling Alliance of Philadelphia

[www.recyclenowphiladelphia.org](http://www.recyclenowphiladelphia.org)

Professional Recyclers of Pennsylvania

[www.proprecycles.org](http://www.proprecycles.org)

## Composting

### **Bennett Compost**

Contact them for a quote to collect the compost from your production.

1511 Latona Street  
Philadelphia, PA 19146

Phone: 215-520-2406  
Email: [info@bennettcompost.com](mailto:info@bennettcompost.com)

### **Pedal Coop**

Bicycle powered compost hauling company. [www.pedalcoop.org](http://www.pedalcoop.org)

PO Box 42701  
Philadelphia, PA 19104

Phone: 484-222-1231  
Email: [pedalcoop@gmail.com](mailto:pedalcoop@gmail.com)

### **Philly Compost**

An organization called PhillyCompost has created an educational Web site aimed at increasing the amount of composting in the city. The site contains maps that showing both private and public composting sites in Philadelphia.

[www.phillycompost.com](http://www.phillycompost.com)

### **Planet Natural**

Most portable compost bins are now made of plastic, but they carry a metal Compost Tumbler. [www.planetnatural.com](http://www.planetnatural.com)

1612 Gold Ave.  
Bozeman, MT 59715

Phone: 800-289-6656

### **Two Particular Acres**

Family farm located in western Montgomery County with an On-Farm Compost Permit from Pennsylvania Dept. of Environmental Protection (DEP).

<http://parmc.org/node/354>

301 Rittenhouse Road  
Royersford, PA 19468

Phone: 610-454-9635  
Fax: 610-397-1895  
[EJF@twoparticularacres.com](mailto:EJF@twoparticularacres.com)  
Contact: Ned Foley

## **Construction Vendors**

### **Fessenden Hall Inc.**

They carry Uniboard's NU Green NAUF particleboard and melamine, and Sierra Pine's NAUF MDF. Go to [www.fessendenhall.com](http://www.fessendenhall.com).

1050 Sherman Avenue  
Pennsauken, NJ 08110

Phone: 856-665-2210  
Fax: 800-210-4248  
Email: [njsales@fessendenhall.com](mailto:njsales@fessendenhall.com)

### **Green Depot**

They carry FSC certified dimensional lumber and NAUF (no added urea formaldehyde) plywood. They also have low VOC, solvent-free construction adhesive. Check out [www.greendepot.com](http://www.greendepot.com).

6951 New State Road  
Philadelphia, PA 19135

Phone: 215-333-3810  
Fax: 215-333-3878

\*Store hours by appointment only!

### **Homasote Company**

Manufacturer of sheet goods made from 100% recycled newsprint and less than 2% paraffin wax. Their new PINnacle 440 3/8" thick tackboard panels are a smoother finished panel that is paint ready with no additional finishing necessary. Go to [www.homasote.com](http://www.homasote.com).

932 Lower Ferry Road  
West Trenton, NJ 08628-0240

Toll Free: 800-257-9491  
Phone: 609-883-3300 (Sales: Ext. 1500 & Tech Support: Ext. 1332)

### **Kane Hardwood (Collins Pine Co.)**

Manages the FSC-certified Collins Pennsylvania Forest in the Allegheny Mountains of northern Pennsylvania. They carry FSC certified dimensional lumber and particleboard. Check out [www.collinsco.com](http://www.collinsco.com).

95 Hardwood Drive  
Kane, PA 16735

Phone: 814.837.6941

### **The Resource Exchange**

A nonprofit reuse center that sells many types of previously used building materials, typically at half cost. For more information, go to [www.theresourceexchange.org](http://www.theresourceexchange.org).

Phone: 267-997-0060  
Email: [info@theresourceexchange.org](mailto:info@theresourceexchange.org)

## **Russell Plywood**

They have a "Green Compliant Product Portfolio", including Purebond FSC certified, NAUF plywood, particleboard, and melamine.

South Gate Industrial Center  
3 McCullough Drive  
New Castle, DE 19720

Phone: 800-787-7355  
Fax: 302-324-5146

## **Energy Efficient Lighting**

### **Earthmate Lighting**

Also sold as Neolite, manufactured by Litetronics. These compact fluorescents contain only 1 milligram of mercury, and the packaging is made with 100% post-consumer waste, printed with soy-based ink, and is completely recyclable.

Available locally at:

Wegmans Cherry Hill  
2100 Route 70 West  
Cherry Hill, NJ 08002

Phone: 856-488-2700

They can also be special ordered from:

Billows Electric Supply  
9100 State Road  
Philadelphia, PA 19136

Phone: 215-332-9700  
[www.billows.com](http://www.billows.com)

Or they can be ordered from the closest online distributor, [www.goodmart.com](http://www.goodmart.com) (in NY). Goodmart also sells Neptun dimmable compact fluorescents.

### **ECObulb PLUS** (Manufactured by Feit Electric)

These compact fluorescent light bulbs (CFLs) contain lower amounts of mercury, lead, cadmium, hexavalent chromium and polybrominated biphenyls. They are available in-store and online at any Home Depot and Walgreens, and can be special ordered at Home Depot if specific bulbs are not in stock. Check out [www.ecobulbplus.com](http://www.ecobulbplus.com).

### **EcoLEDs.com**

Made in the USA led light bulbs, available online at [www.truthpublishing.com/](http://www.truthpublishing.com/).

### **Ikea**

They sell many CFL and LED lighting options; for more information, go to [www.ikea.com](http://www.ikea.com).

2206 S. Columbus Boulevard  
Philadelphia, PA 19148

Phone: 215-551-4532

## **Nila Lighting System**

Energy efficient, sustainably designed LED lighting system; for more information, go to [www.nila.tv](http://www.nila.tv).

723 West Woodbury Road  
Altadena, CA 91001

Phone: 818-392-8370  
Email: [info@nila.tv](mailto:info@nila.tv)

## **Energy Efficient Products**

### **Energy Star**

Click here for the Store Locator or just look for the ENERGY STAR label when purchasing office equipment. Check out [www.energystar.gov](http://www.energystar.gov).

401 M Street SW (6202J)  
Washington, DC-20460

Phone: 888-STAR-YES (782-7937)  
Fax: 202-564-9569

### **Greenpeace Guide to Greener Electronics**

This guide evaluates many electronics manufacturers according to their policies on energy efficiency, toxic chemical usage, recycling, and climate change. Take a look at <http://www.greenpeace.org/usa/news/greener-electronics-guide->.

## **Environmentally-Friendly Water Sources**

### **Arctic Coolers**

Bottleless cooler and water filtration. Check out [www.arcticcoolers.com](http://www.arcticcoolers.com).

135A Gaither Drive  
Mt Laurel NJ, 08054

Toll Free: 800-372-0262  
Phone: 856-231-0262  
Fax: 856-231-0264

### **Culligan of Philadelphia**

Bottleless cooler and water filtration. For information, go to [www.culliganphilly.com](http://www.culliganphilly.com).

3113 W Ridge Pike  
Eagleville, PA 19403

Phone: 610-539-6221  
Email: [sales@culliganfunk.com](mailto:sales@culliganfunk.com)

### **Eagles Peak Spring Water**

A locally-owned and family operated company delivering spring water from the mountains of Pennsylvania. They offer a ceramic water "crock" that uses no electricity, dispensing the water at room temperature, saving money and energy costs. Check out [www.eaglespeak.com](http://www.eaglespeak.com).

Route 313 at Ferry Road  
Fountainville, PA 18923

Phone: (215) 345-6069  
Fax: (215) 345-5561  
Email: [trevor@eaglespeak.com](mailto:trevor@eaglespeak.com)

### **Klean Kanteen**

Stainless steel water bottles, available online at [www.kleankanteen.com](http://www.kleankanteen.com).

Can be sold locally at:

Mugshots CoffeeHouse & Café  
2100 Fairmount Avenue  
Philadelphia, PA 19130  
Eastern Mountain Sports  
3401 Chestnut Street  
Philadelphia, PA

Phone: 267-514-7145  
[www.mugshotscoffeehouse.com](http://www.mugshotscoffeehouse.com)

Phone: 215-382-0930  
[www.ems.com/home](http://www.ems.com/home)

### **Give Natural Spring Water**

Bottled water with a local source, sold [Whole Foods Market](#) in the Philadelphia Area. For more information, go to [www.drinkgive.com](http://www.drinkgive.com).

### **Sigg**

Aluminum and stainless steel water bottles, widely available at many grocery, sporting goods, and camping supply stores. For a list of retailers, go to [www.sigg.com](http://www.sigg.com).

### **Fair Trade Coffee / Beans**

#### **Bucks County Coffee Co.**

[www.buckscountycoffee.com](http://www.buckscountycoffee.com)

Email: [coffeeorder@buckscountycoffee.com](mailto:coffeeorder@buckscountycoffee.com)

Sold at the following places:

30th Street Station  
2951 Market Street  
Philadelphia, PA 19104

Phone: 215-270-0860

Manayunk Coffeehouse  
4311 Main Street

Philadelphia, PA 19127

Phone: 215-487-3927

Mugshots CoffeeHouse & Café  
2100 Fairmount Avenue  
Philadelphia, PA 19130

Phone: 267-514-7145

Mugshots CoffeeHouse & Café  
110 Cotton Street  
Philadelphia, PA 19127

Phone: 215-482-3964

[www.mugshotscoffeehouse.com](http://www.mugshotscoffeehouse.com)

Sansom Street Coffeehouse  
3430 Sansom Street  
Philadelphia, PA 19104

Phone: 215-387-6722

#### **Essene Market**

719 S. 4th Street  
Philadelphia, PA 19147

Phone: 215-922-1146

[www.essenemarket.com](http://www.essenemarket.com)

#### **Joe Coffee Bar / Philly Fair Trade Roasters**

4634 Woodland Ave, #1  
Philadelphia, PA 19143

Phone: 267-270-2563  
[www.joecoffeebar.com](http://www.joecoffeebar.com)

### **Whole Foods Market**

929 South Street  
Philadelphia, PA 19147

Phone: 215-733-9788  
[www.wholefoodsmarket.com](http://www.wholefoodsmarket.com)

## **Greener Lodging**

### **Philadelphia Airport Marriott**

The only Green Seal certified hotel in Philadelphia.

One Arrivals Road  
Philadelphia, PA 19153

Phone: 1-215-492-9000  
Toll-free: 1-800-682-4087

## **Grip Supplies**

### **McMaster-Carr**

They carry petroleum free sweeping compound, and biodegradable hydraulic and air compressor lubricating oils.

200 New Canton Way  
Robbinsville, NJ 08691-2343

Phone: 609-689-3415 or  
609-259-3575  
Email: [nj.sales@mcmaster.com](mailto:nj.sales@mcmaster.com)

## **Industry Leaders**

**Gale Anne Hurd**, Producer of *The Incredible Hulk* (Universal Pictures/Marvel Studios)  
They made the entire set lauan free with low VOC paint, used reusable or biodegradable plates, bottles and utensils, hired a recycling contractor to reduce waste, and was the first movie to feature the **Environmental Media Association's Green Seal** in the closing credits.

**Howard Gordon**, Executive Producer of *24* (Twentieth Century Fox television show)  
The production was powered with biodiesel and other renewables, to save energy and reduce carbon emissions.

**Mari-Jo Winkler**, Executive Producer

**Peter Saraf and Jane Evans**, Producers of *Away We Go* (Focus Features)

They hired **greenmediasolutions**, an environmental consulting firm to help the production reduce their carbon footprint. They used biodiesel in vehicles and generators, purchased organic, local food and biodegradable dinnerware, composted their food waste, used reusable water bottles instead of plastic disposables on set, and shot in 3 perf to reduce film use and processing chemicals.

**Tom Shadyac**, Director of *Evan Almighty* (Universal Pictures)

Crew members were given bicycles by the director to reduce car usage, the wood used to build the sets was donated to Habitat for Humanity, they planted trees and

offset their carbon emissions with a donation to The Conservation Fund, and the DVD special features section highlighted the crew's green production efforts.

## **Local Unions**

### **IATSE Local 8**

[www.iatse8.com](http://www.iatse8.com)

2237 Hartranft Street  
Philadelphia, PA 19145

Phone: 215-952-2106  
Fax: 215-952-2109

Michael Barnes, Business Agent  
Cell: 215-880-3162  
Email: [mbarnes@iatse8.com](mailto:mbarnes@iatse8.com)

### **IATSE Local 52**

[www.iatselocal52.org](http://www.iatselocal52.org)

326 West 48th Street  
New York, NY 10036

Phone: 212-399-0980  
Fax: 212-315-1073  
Email: [ialocal52@msn.com](mailto:ialocal52@msn.com)

John Ford, Business Agent  
(main number, extension 20)

Michael Barnes, Business Agent  
Cell: 215-880-3162  
Email: [mbarnes@iatse8.com](mailto:mbarnes@iatse8.com)

### **Producers Guild of America East**

[www.producersguild.org](http://www.producersguild.org)

100 Ave of the Americas, 11th Fl  
New York, NY 10013

Phone: 212-894-4016  
Fax: 212-894-4056

### **SAG (Screen Actors Guild) North Region**

[www.sag.org](http://www.sag.org)

1800 JFK Blvd. Suite 300  
Philadelphia, PA 19103

Phone: 215-760-8535  
Frank Traynor, N Region Exec.

### **United Scenic Artists Local USA 829**

[www.usa829.org](http://www.usa829.org)

29 West 38th Street, 15th Floor  
New York, NY 10018

Beverly Miller, Business  
Representative for Film, TV,  
Commercials & Scenic Shops

Monona Rossol, Industrial  
Hygienist (Health and Safety)

Phone: 212-581-0300  
Fax: 212-977-2011

Office: 917-408-6149  
Cell: 914-393-3908  
Email: [bev@usa829.org](mailto:bev@usa829.org)

Phone: 212-777-0062  
Email: [actsnyc@cs.com](mailto:actsnyc@cs.com)

## **WGAE (The Writers Guild of America, East)**

[www.wgaeast.org](http://www.wgaeast.org)

555 W 57th Street  
New York, NY 10019

Phone: 212-767-7800

## **Make-up / Hair Care Supplies**

Use The Environmental Working Group's searchable "Skin Deep Cosmetics Safety Database" at [www.cosmeticsdatabase.com](http://www.cosmeticsdatabase.com) to look for less toxic, more environmentally friendly beauty supplies.

### **Cargo Plant Love**

Available online at [www.cargocosmetics.com](http://www.cargocosmetics.com). Their "Plant Love" line of lipsticks, face powders, eye shadows, and liner pencils are bio-based, petroleum free, and packaged in 100% biodegradable paper or PLA corn packaging.

### **Ecco Bella**

FlowerColor Face Powder and Bronzing Powder are bio-based, petroleum-free, talc-free and are packaged in cardboard compacts. Available online at [www.eccobella.com](http://www.eccobella.com) or locally by special order at:

Whole Foods Market  
2001 Pennsylvania Ave  
Philadelphia, PA 19130

Phone: 215-557-0015

### **Farmaesthetics**

Bio-based, petroleum-free cleansers, moisturizers, etc., packaged in recyclable glass bottles. Available online at [www.farmaesthetics.com](http://www.farmaesthetics.com) or locally at:

Macy's

1300 Market Street  
Philadelphia, PA

### **Josie Maran**

Not entirely plant based, but most products are packaged in glass, aluminum, or paper, and the blush, bronzing powder, cream blush, cream bronzer, eye shadow, finger paints and pressed powder are packaged in biodegradable PLA corn plastic. [www.josiemarancosmetics.com](http://www.josiemarancosmetics.com)

## **Office Supply Vendors**

### **Cartridge World**

Refills all major brands including HP, Dell, Canon, Lexmark & Epson. Remanufactured laser toner cartridges for most high speed copiers, full color printers or all-in-one laser printers and refill fax and copier cartridges. [www.cartridgeworldusa.com](http://www.cartridgeworldusa.com)

110 Yorktown Plaza  
Elkins Park, PA 19027

Phone: 215-886-4821

### **Curry Office Supplies**

Enter "recycled" in their search field for a list of recycled paper products, including Mohawk 100% Recycled Copy Paper. They also carry Eco-Products compostable plates/cups/forks. [www.dswebengine.com/curry](http://www.dswebengine.com/curry)

233 Chestnut Street  
Philadelphia, PA 19106

Phone: 215-627-0990  
Fax: 215-627-5448

### **GreenLine Paper Company, Inc.**

They are a local Pennsylvania company with an excellent online catalog of Green Seal certified products, including 100% post-consumer recycled, chlorine-free, FSC certified paper, 90% post-consumer recycled, chlorine-free paper towels, and many biodegradable/compostable cups, containers, etc. [www.greenlinepaper.com](http://www.greenlinepaper.com)

631 S. Pine Street  
York, PA 17403

Phone: 1-800-641-1117

### **PetSmart Recycled Ink and Toner Cartridges**

Now you can purchase recycled and refilled ink cartridges and ink laser cartridges to complete the circle of recycling. Visit [www.recycleforpets.com](http://www.recycleforpets.com) to buy your cartridge today.

### **Staples**

For all of their environmentally friendlier office supplies, see their "[eco-easy](#)" [products page](#).

### **Walgreens**

Printer cartridge refills for Dell, HP, Lexmark, Okidata, Primera, Sharp, Xerox ONLY.

## **Paint Vendors**

### **D.L. Richie Paint N' Decorating**

They carry Green Planet zero VOC paints (soy resin and clay based).  
[www.dlrichie.com](http://www.dlrichie.com)

5241 Brightwood Road  
Bethel Park, PA 15102

Phone: 412-833-0237

### **Greenable**

Carries Mythic, Yolo Colorhouse, AFM Safecoat, and Durasoy brands.  
[www.greenable.org](http://www.greenable.org)

2200 Walnut Street  
Philadelphia, PA 19106

Phone: 267-603-3595  
Contact: Angelo Anastasio

### **Green Depot**

They carry AFM Safecoat paint and low VOC caulk. [www.greendepot.com](http://www.greendepot.com)

6951 New State Road  
Philadelphia, PA 19135

Phone: 215-333-3810 ext. 7902  
Contact: Kerri Owsiany  
[KOwsiany@GreenDepot.com](mailto:KOwsiany@GreenDepot.com)

### **Home Depot**

For additional store locations, go to [www.homedepot.com](http://www.homedepot.com). Their zero VOC paint line is called The Fresh Aire Choice.

1651 S Columbus Blvd.  
Philadelphia, PA 19148

Phone: 215-218-0600

### **Kilian Hardware**

They carry The Old Fashioned Milk Paint Co. products. [www.kilianhardware.com](http://www.kilianhardware.com)

8450 Germantown Ave  
Philadelphia, PA 19118-3302

Phone: 215-247-0945

### **Lowe's**

For additional store locations, go to [www.lowes.com](http://www.lowes.com). Their zero VOC paint line is called Olympic Premium.

2106 S. Christopher Columbus Blvd  
Philadelphia, PA 19148

Phone: 215-982-5391

### **M A B Paints**

For additional store locations, go to [www.mabpaints.com](http://www.mabpaints.com). Their zero VOC paint line is called Enviro-Pure.

2100 N Broad Street  
Philadelphia, PA 19121

Phone: 215-765-7018

### **Old City Paint & Decorating (Benjamin Moore)**

For additional store locations, go to [www.benjaminmoore.com](http://www.benjaminmoore.com). Their zero VOC paint line is called Eco Spec.

210 W Girard Ave  
Philadelphia, PA 19123

Phone: 215-625-8300

### **Philadelphia Paint Store**

Their zero VOC paint line is called Pure Performance. [www.phillypaint.com](http://www.phillypaint.com)

3851 Aramingo Ave  
Philadelphia, PA 19137

Phone: 215-743-4555

### **The Real Milk Paint Co.**

They carry milk paint and Soapstone solvent-free wax (an alternative to Butcher's wax). [www.realmilkpaint.com](http://www.realmilkpaint.com)

11 West Pumping Station Road  
Quakertown, PA 18951

Phone: 800-339-9748  
or 215-538-3886

### **Sherwin Williams**

For additional store locations, go to [www.sherwin-williams.com](http://www.sherwin-williams.com). Their zero VOC paint line is called Harmony.

1001 Washington Ave  
Philadelphia, PA 19147

Phone: 215-389-4801

## **Printing**

### **Paper Crane Press**

Green Office Certified, worker owned and operated union print shop that promotes sustainable paper choices and utilizes silver recovery. [www.papercranepress.com](http://www.papercranepress.com)

2 New Road, Suite 129  
Aston, PA 19014

Phone: 610-358-9496  
Fax: 610-358-1844

## **Recyclable Containers / Biodegradable Food Packaging**

### **BioBag**

Biodegradable, compostable trash bags with no petrochemical content. Available at Whole Foods Stores, many other retail outlets, or in bulk.

Phone: 727-789-1646

Email: [info@biobagusa.com](mailto:info@biobagusa.com)

### **Clear Bags**

They carry Earth First brand biodegradable, compostable clear Ziploc bags. [www.clearbags.com](http://www.clearbags.com)

4872 Highway 64 East  
PO Box 307  
Selmer, TN 38375

Phone: 800-328-1847

If You Care 100% Recycled Aluminum Foil is available at any Whole Foods. They also make **Chef's Select Soy Wax Paper**, instead of traditional wax paper, which is coated with paraffin wax, a compound made from non-renewable petroleum resources. [www.ifyoucare.com](http://www.ifyoucare.com)

**Ecotainer** compostable food containers, available in Pennsylvania from **GreenLine Paper Company** [www.greenlinepaper.com](http://www.greenlinepaper.com)

631 S Pine Street  
York, PA 17403

Phone: 1-800-641-1117

### **Curry Office Supplies**

For biodegradable cups, plates, utensils, bags: [www.dswebengine.com/curry](http://www.dswebengine.com/curry)

233 Chestnut Street  
Philadelphia, PA 19106

Phone: 215-627-0990  
Fax: 215-627-5448

### **Essene Market**

To-Go Ware or Lunchbots Stainless steel lunch carriers available at  
[www.essenemarket.com](http://www.essenemarket.com).

719 S. 4th Street  
Philadelphia, PA 19147

Phone: 215-922-1146

### **Excellent Packaging & Supply**

They are a wholesale distributor of many types of biodegradable/compostable products. They have a \$350 minimum order requirement, and ship Fed Ex to the Philadelphia area in 4-5 business days. [www.excellentpackaging.com](http://www.excellentpackaging.com)

3220 Blume Drive, Suite 111  
Richmond, CA 94806

Phone: 800-317-2737  
[red@excellentpackaging.com](mailto:red@excellentpackaging.com)

### **GreenLine Paper Company**

Extensive online catalog of Green Seal certified products, including biodegradable/compostable cups, containers, etc. [www.greenlinepaper.com](http://www.greenlinepaper.com)

631 S Pine Street  
York, PA 17403

Phone: 1-800-641-1117

### **Lap Distributors**

A local wholesale distributor that carries biodegradable/compostable cups, utensils, and take out containers. [www.lapdistributors.com](http://www.lapdistributors.com)

3515 Amber Street  
Philadelphia, PA 19134

Phone: 215-744-4000  
Fax 215-744-5717  
Email: [info@lapdistributors.com](mailto:info@lapdistributors.com)

### **REI**

Stainless steel travel cutlery. [www.rei.com](http://www.rei.com)

200 W Ridge Pike Ste 115  
Conshohocken, PA 19428

Phone: 610-940-0809

### **Reusable Bags**

Carries many bags, utensils, and bottles. [www.reusablebags.com](http://www.reusablebags.com)

### **Singer Equipment Company**

PHILADELPHIA SUPERSTORE See their "Eco-friendly Products" section.  
[www.singerequipment.com](http://www.singerequipment.com)

7300 Lindbergh Blvd.  
Philadelphia, PA 19153

Phone: 215-365-0200  
Fax: 215-365-2711  
Toll-Free: 800-443-2212

## Recycling Resources

### American Box and Recycling Co.

The nation's largest supplier of once used boxes, they accept cardboard, as well as many hard to recycle materials, including many plastics, shrink wrap, and stretch film. Generally, material must be in large quantities. Contact ahead of time to ask about the type/quantity of material you want to recycle, and how to arrange drop off.

3900 North 10th Street  
Philadelphia, PA 19140

Phone: 1-800-970-3777  
or 215-599-2350  
Fax: 215-599-2361  
Email: [Kim@amboxco.com](mailto:Kim@amboxco.com)

### Allegheny Iron & Metal Co Inc.

Accepts scrap iron and steel. [www.alleghenyironandmetal.com](http://www.alleghenyironandmetal.com)

Adams Avenue & Tacony Street  
Philadelphia, PA 19124

Phone: 215-743-7759

### All-Met LLC

Accepts aluminum, copper, brass, and stainless steel.

2250 Adams Ave.  
Philadelphia, PA 19124

Phone: 215-537-5904  
[jamesullivan1@comcast.net](mailto:jamesullivan1@comcast.net)

### Atlas Wood Products

Philadelphia's pallet recycling center. They take used and damaged pallets, and make remanufactured pallets, as well as recycling damaged pallets not suitable for repair. [www.atlaswoodproducts.com](http://www.atlaswoodproducts.com)

2101 W. Lippincott  
Philadelphia, PA 19132

[atlaswoodprod@yahoo.com](mailto:atlaswoodprod@yahoo.com)

### Aveda

Accepts caps that are rigid polypropylene plastic, sometimes noted with a #5, such as shampoo, beverage bottles, flip top caps on tubes and food product bottles (such as ketchup and mayonnaise), laundry detergents and some jar lids such as peanut butter. No pumps or sprayers. These materials will be used to make new caps and containers. [www.aveda.com](http://www.aveda.com)

### Earth911.com

A searchable recycling website, partnered with the national recycling hotline: 1-800-CLEANUP.

### Green Earth Office Supply

For recycled video cassette tapes. [www.greenearthofficesupply.com](http://www.greenearthofficesupply.com)

1400 Coleman Ave, Ste H16  
Santa Clara, CA 95050

Phone: 408-353-2096  
Fax: 408-969-0909  
Toll Free: 800-327-8449

### **Institution Recycling Network**

Source separated and mixed debris C&D material handlers. [www.ir-network.com](http://www.ir-network.com)

Phone: 215-764-9071  
Email: [mmckinney@ir-network.com](mailto:mmckinney@ir-network.com)

### **Mohawk Post-Consumer Carpet ReCover Program**

They pick up and recycle old Mohawk carpeting, as well as other manufacturers' brands. [www.mohawksustainability.com](http://www.mohawksustainability.com)

Phone: 877-3RE-CYCL  
Contact Gail at 800-553-6045 (ext 63062)  
for a quote and removal within 24-48 hours.

### **Recycling Services, Inc.**

Open Hours for Public Collection: Tuesdays & Saturdays from 9-1 p.m. A comprehensive recycling center located approximately 50 minutes outside of Philadelphia. They accept many materials including: most plastics #1-#7, styrofoam, electronics/computers, batteries, tyvek, CDs/tapes/videos, clothing.

[www.recyclingservices.org](http://www.recyclingservices.org)

365 Elm Street  
Pottstown, PA 19465

Phone: 610-323-8545  
Fax: 610-323-3962

### **The Resource Exchange**

A nonprofit reuse center for artists, builders, educators and the general public. Their reSETS program was designed to assist productions with recycling and reuse of materials during set construction and strike. They accept many types of reusable lumber, paint, scenery, and set decoration material for resale, and provide recycling referrals for many of the industry's more difficult to recycle material.

[www.theresourceexchange.org](http://www.theresourceexchange.org)

Phone: 267-997-0060  
Email: [info@theresourceexchange.org](mailto:info@theresourceexchange.org)

### **Renewable Energy**

#### **Energy Cooperative Association of Pennsylvania**

The Energy Cooperative is a nonprofit, member-owned cooperative licensed electrical supplier with over 6500 members throughout Southeastern Pennsylvania. Founded in 1979 by Weaver's Way, a successful food cooperative in the Germantown neighborhood of Philadelphia, The Energy Cooperative has provided savings on home heating oil for more than 25 years. [www.theenergy.coop](http://www.theenergy.coop)

1528 Chestnut Street, Suite 2100  
Philadelphia, PA 19102

Phone 215-413-2122  
Fax 215-449-3375  
Email: [info@theenergy.coop](mailto:info@theenergy.coop)

### **Peco Wind Energy**

You may choose to sign up for Wind Blocks at \$2.54 per block per month or have 100% of your actual monthly electric usage charged at 2.54 cents for each kilowatt-hour used. [www.exeloncorp.com](http://www.exeloncorp.com)

Phone: 515-221-5700

## **Reuse / Donations and Food Recovery**

### **American Thrift Stores**

For clothing, housewares, small appliances and electronics.

747 Wolf Street  
Philadelphia, PA 19148

Phone: 215-336-6626

### **Building Materials Exchange**

Provides materials and furniture to qualified low-income homeowners in Philadelphia. For details, see: [www.impactservices.org](http://www.impactservices.org).

1952 E. Allegheny Ave  
Philadelphia, PA 19134

Phone: 215-739-1600

### **Circle Thrift**

For clothing, housewares, small appliances and electronics. [www.circlethrift.com](http://www.circlethrift.com)

2233 Frankford Ave.

Phone: 215-423-1222

1125 S. Broad Street  
Lower level

Phone: 215-468-0645

### **Craig's List/Philadelphia**

For online reuse resources, local online classifieds site.  
[www.philadelphia.craigslist.org](http://www.philadelphia.craigslist.org)

### **Goodwill**

For clothing, housewares, small appliances and electronics. [www.goodwill.org](http://www.goodwill.org)

2601 S. Front Street  
Philadelphia, PA 19148

Phone: 215-463-5054

2200 W. Passyunk Avenue  
Philadelphia, PA 19145

Phone: 215-755-1320

### **Nonprofit Technology Resources**

NTR accepts used computers, 17" SVGA monitors, small dot-matrix printers, ink-jet

and laser printers, and other computer accessories at their center city location M -Th 9 am-3 pm. Please call ahead. [www.ntronline.org](http://www.ntronline.org)

1524 Brandywine Street  
Philadelphia PA 19130

Phone: 215-564-6686

### **People's Emergency Center**

For food recovery, notify them ahead of time if dropping off perishable food.  
[www.pec-cares.org](http://www.pec-cares.org)

325 N. 39th Street  
Philadelphia, PA 19104-4656

Contact Grace Hightower:  
Phone: 215-382-7522 x 232  
[ghightower@pec-cares.org](mailto:ghightower@pec-cares.org)

### **Philabundance**

For perishables drop offs, they will connect you with the member agency closest to your production. [www.philabundance.org](http://www.philabundance.org)

3616 South Galloway Street  
P.O Box 37555  
Philadelphia, PA 19148

Phone: 215-339-0900  
Fax: 215-339-0924  
Contact Emily Teel:  
[eteel@philabundance.org](mailto:eteel@philabundance.org)

### **Philadelphia AIDS Thrift**

For clothing, housewares, small appliances and electronics. [www.phillyaidsthift.com](http://www.phillyaidsthift.com)

710 S. 5th Street  
Philadelphia, PA 19147

Phone: 215-922-3186

### **Philly Freecycle**

For online reuse resources, free online materials exchange for Philadelphia, Pennsylvania. <http://groups.yahoo.com/group/phillyfreecycle/>

### **The Resource Exchange**

A nonprofit reuse center and workshop space dedicated to promoting creative reuse, recycling, and resource conservation by diverting valuable materials from the waste stream and redirecting them to artists, builders, educators, and the general public. Their reSETS program provides local productions recycling and reuse options during set construction AND strike. They accept many types of reusable set materials, and provide recycling referrals for many of the industry's more difficult to recycle material. [www.theresourceexchange.org](http://www.theresourceexchange.org)

Phone: 267-997-0060  
Email: [kgerred@theresourceexchange.org](mailto:kgerred@theresourceexchange.org)

### **ReStore**

Accepts quality architectural salvage. [www.re-store-online.com](http://www.re-store-online.com)

3016 E. Thompson St  
Philadelphia PA 19134

Phone: 215-634-3474  
Email: [info@re-store-online.com](mailto:info@re-store-online.com)

### **Share Food Program**

For food recovery, notify them ahead of time if dropping off perishable food.

2901 West Hunting Park Avenue  
Philadelphia, PA 19129

Phone: 215-223-2220  
Contact: Steveanna Wynn  
[stevie@sharefoodprogram.org](mailto:stevie@sharefoodprogram.org)

### **Spiral Q Puppet Theater**

Accepts paint and miscellaneous craft materials, space permitting. Please call Liza at 215-222-6979 to arrange a drop off time. [www.spiralq.org](http://www.spiralq.org)

3114 Spring Garden Street, #2  
Philadelphia, PA 19104

Phone 215-222-6979

### **Use it again PA**

A searchable database of local businesses that can "rent, repair, or reuse your product!" [www.useitagainpa.org](http://www.useitagainpa.org)

### **Safety Equipment**

#### **Arbill**

Local company that carries nitrile gloves, respirators/cartridges, dust masks, Tyvek suits, earplugs, safety glasses, and many other worker safety products.

[www.arbill.com](http://www.arbill.com)

10450 Drummond Road  
Philadelphia, PA 19154

Phone: 800-523-5367  
Fax: 800-426-5808  
Email: [orders@arbill.com](mailto:orders@arbill.com)

### **Set Dressing Supplies**

#### **American Box and Recycling Co.**

They not only sell used cardboard boxes, but are an excellent local recycling resource.

3900 North 10th Street  
Philadelphia, PA 19140

Phone: 1-800-970-3777  
Or 215-599-2350  
Fax: 215-599-2361  
E-mail: [Kim@amboxco.com](mailto:Kim@amboxco.com)

### **Green Packaging, Inc.**

Local supplier of 100% post-consumer waste cardboard boxes, biodegradable corn starch packing peanuts and PaperNutsand Prairie Eco Pak sustainable packaging materials [www.greenpackaginginc.com](http://www.greenpackaginginc.com)

650 North Cannon Avenue  
Lansdale, PA 19446

Phone: 877-822-0552  
Local: 215-368-7265

### **MagiGlue**

Plant-based, preservative-free biodegradable glue powder manufactured in Baltimore. [www.buygreen.com](http://www.buygreen.com)

1450 S. Rolling Road  
Baltimore, MD 21227

Phone: 410-455-6319  
Toll Free: 1-888-892-8408

## **Set Greens Supplies**

### **Greensgrow**

Local urban farm with a variety of plants, potting soils (including Organic Mechanic), and mulches: [www.greensgrow.org](http://www.greensgrow.org)

2501 E. Cumberland Street  
Philadelphia, PA 19125

Phone: 215-427-2702

### **The Organic Mechanic Soil Company, LLC**

Wholesale producer/distributor of organic potting soil. For smaller quantities, see their list of retailers here. [www.organicmechanicsoil.com](http://www.organicmechanicsoil.com)

110 E Biddle Street  
West Chester, PA 19380

Phone: 484-557-2961  
[mark@organicmechanicsoil.com](mailto:mark@organicmechanicsoil.com)

### **Redbud Native Plant Nursery**

Extensive selection of trees, shrubs, grasses, vines, ferns, wildflowers and aquatic plants for the mid-Atlantic region. Pick-up only, they do not ship plants.  
[www.redbudnativeplantnursery.com](http://www.redbudnativeplantnursery.com)

1214 North Middletown Road  
Glen Mills, Pa 19342

Phone: 610 358 4300  
[info@redbudnativeplantnursery.com](mailto:info@redbudnativeplantnursery.com)

## **Scenic Supply Vendors**

### **ACMI's (Art and Creative Materials Institute)**

For environmentally friendly art supplies, use the Searchable Certified Product List at [www.acminet.org](http://www.acminet.org).

### **Clear Bags**

They carry Earth First brand biodegradable, compostable clear ziplock bags and rolls to replace acetate. [www.clearbags.com](http://www.clearbags.com)

4872 Highway 64 East  
PO Box 307  
Selmer, TN 38375

Phone: 800-328-1847

### **Green Earth Office Supply**

They carry biodegradable quart cups, and cellophane rolls to replace acetate.  
[www.greenearthofficesupply.com](http://www.greenearthofficesupply.com)

PO Box 719  
Real Estates, CA 95044

Phone: 408-969-0900  
Fax: 408-969-0909  
Toll Free: 800-327-8449  
[info@greenearthofficesupply.com](mailto:info@greenearthofficesupply.com)

### **Murco 100 Natural Joint Compound**

Solvent and preservative free, with only natural binders. [www.murcowall.com](http://www.murcowall.com)

253 E Cemetery Street  
Pulaski, TN 38478

Phone: 931-363-5851

## **Transportation & Fueling**

### **Enterprise CarShare**

They have hybrid cars in their fleet, offer many creative business transportation solutions, and will "create a unique solution for your company's unique needs."

[www.enterprise-carshare.com](http://www.enterprise-carshare.com)

1226 Chestnut Street  
Philadelphia, PA 19107

Phone: 215-730-0988

### **Enterprise Rent-A-Car**

These two locations have hybrid vehicles for rental. [www.enterprise.com](http://www.enterprise.com)

36 S. 19TH ST  
Philadelphia, PA 19103-3525

Phone: 215-751-1460

123 S 12TH ST  
Philadelphia, PA 19107-4933

Phone: (215) 625-6970

### **Center City Shell Station; S&B Auto**

Sells B20 Blend Biodiesel and E85 Ethano.

1135-45 Vine Street  
Philadelphia, PA 19107

Phone: 215-928-9181  
Open 24/7  
Contact: Steve Mack

### **TransitChek**

An employer-offered commuter benefit program to encourage regional public transit. [www.dvrpc.org/gettransitchek](http://www.dvrpc.org/gettransitchek) Delaware Valley Regional Planning Commission Office of Commuter Services

190 N. Independence Mall  
West 8th Floor  
Philadelphia, PA 19106-1520

Phone: 215-592-1800  
Fax: 215-592-9125  
Toll Free: 800-355-5000  
Email: [TransitChek@dvrpc.org](mailto:TransitChek@dvrpc.org)

### **Zipcar**

They have hybrid cars in their fleet. [www.zipcar.com](http://www.zipcar.com)

218 S. 12th Street  
Philadelphia, PA 19107

Phone: 215-735-3691  
Fax: 215-735-3695