

## Oregon E-Cycles

Oregon E-Cycles, established by Oregon's Electronics Recycling Law, is a new program that provides electronics recycling at no cost to households, small businesses and nonprofits, and anyone with seven or fewer items to recycle. Oregon E-Cycles is financed by electronics manufacturers, and will be in operation after January 1, 2009.

### What electronics can I recycle for free?

The following items will be accepted for free recycling at designated sites. Do not put your electronics out at the road or curbside for collection.



Desktop computers  
Portable or laptop computers  
Monitors  
Televisions

Other electronics, such as printers, fax machines, and cell phones, are not covered. They can be recycled, but may not be taken free of charge.

### Who can use the program?

Households, small businesses and nonprofits with 10 or fewer employees, and anyone with seven or fewer items can recycle their computers, monitors and televisions for free.



### Where can I recycle my electronics?

Locations will be available in every county and at least one site will be available in every city with a population of 10,000 or more. After December 15, 2008 check the searchable database at [www.oregoncycles.org](http://www.oregoncycles.org) or call 1-888-532-9253 to find a location near you. For questions, contact Oregon Department of Environmental Quality at 503-229-6303 or go to <http://www.deq.state.or.us/lq/electronics.htm>.



To recycle your electronics before January 1, 2009, see Recycling Depots on the Back Page to locate a recycler near you. A fee may be required. Or, contact the Metro Recycling Hotline, 503-234-3000 or go to [www.oregonmetro.gov/findrecycler](http://www.oregonmetro.gov/findrecycler).

### Why recycle electronics?

While we usually don't think of electronics as hazardous, they are made with lead, cadmium, mercury, and other hazardous materials. They also contain valuable resources that should be recycled, instead of going to a landfill.

### Will I need a new television after the switch to digital TV in Feb. 2009?

No. Analog TVs will continue to work after the switch if connected to cable or satellite service. If you have an analog TV and use an antenna, you must purchase a converter box to continue to receive programming. Until March 31, 2009, households can request up to two \$40 coupons toward the purchase of converter boxes. To request coupons: [www.dtv2009.gov](http://www.dtv2009.gov) or call 1-888-388-2009.

If you decide to upgrade, purchase an Energy Star-rated TV See [www.energystar.gov](http://www.energystar.gov) and recycle your old one.

## Waste less, recycle more

### Recovery rate falls again in 2007

Oregon's "recovery rate," which includes recycling, composting and material burned for energy recovery, is down from 2006's rate of 47.3 percent and 2005's 49.2 percent, according to the Oregon Department of Environmental Quality's 16<sup>th</sup> annual survey of garbage haulers and private recycling and composting companies. The rate falls short of the state's 2009 recovery rate goal of 50 percent.






The 2007 recovery rate in the Portland Metro area is 55.3 percent, down just slightly from 2006. The rate falls short of the Metro region's 2009 recovery rate goal of 64 percent.

On the other hand, Oregon's total waste generation in 2007 decreased slightly to 5.72 million tons, and the per-person figure dropped to 3,055 pounds per year from 3,104 pounds per year in 2006. "The decrease in waste generation is a good thing because it shows we're gaining success in our attempts to reduce our waste," said DEQ solid waste specialist Mary Lou Perry. However, of that waste we generate, we want the recovered percentage to increase, not decrease as it did in 2007," she added.

The complete material recovery report is available on DEQ's web site at [www.oregon.gov/DEQ](http://www.oregon.gov/DEQ).

## Sustainability pages: energy

It's not just **Trash Talk** anymore. Don't miss our four-page Sustainability insert: *Toward a Sustainable Clackamas County*

-  Energy-efficient homes
-  Energy tax credits and incentives
-  Energy efficiency for businesses
-  Driving tips to save energy
-  Action Plan for a Sustainable Clackamas County

If you have suggestions for a new name for **Trash Talk** that reflects sustainability, contact the Office of Sustainability, 503-557-6363 [Sustainability@co.clackamas.or.us](mailto:Sustainability@co.clackamas.or.us), [www.clackamas.us/sustainability](http://www.clackamas.us/sustainability)

## NEW - Return water bottles for a nickel

The 2007 Oregon legislature added a refund value of five cents (\$0.05) on any water bottles purchased after January 1, 2009. Additionally, the legislature created the Bottle Bill Task Force to discuss other ways to modernize the 1972 Bottle Bill.

The Bottle Bill Task Force recently presented its report to a joint legislative committee with the following key recommendations (other recommendations can be found in the report):

1. Industry establishes future redemption centers to take back containers;
2. Increase the refund value to 10 cents in 2011;
3. Include a refund for sports drinks, teas, coffees, juices, wine and liquor, and other non-milk beverages in 2013;
4. Develop methods to reduce fraudulent returns;



The 2009 legislature is not required to act on the Task Force recommendations. They will only do so if they feel it is of interest to their constituents. For more information about Oregon's Bottle Bill, go to <http://www.deq.state.or.us/lq/sw/bottlebill/index.htm>.

If you wish to know more about Bottle Bills and stay informed please check the Association of Oregon Recyclers web site, [www.aor.org](http://www.aor.org) or call 503-233-3056.

Clackamas County  
Recycling Partnership  
150 Beaver Creek Rd  
Oregon City OR 97045

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ECRWSS

POSTAL CUSTOMER

# Recycle At Work

## Shorenstein's 19-building office campus sets the pace with an improved recycling program

What does it take to create a successful business recycling program? At Shorenstein Realty Service's 19-building office campus along Kruse Way in Lake Oswego, success was a team effort that included property managers, motivated tenants, the franchised collection company, and business recycling specialists supported by Clackamas County's Recycle at Work program.



Part of Shorenstein's Kruseway Campus in Lake Oswego

As a result of this collaboration, what was a bare-bones operation has become a full-fledged business recycling program, allowing one of the region's largest business centers to make a positive impact on the environment. "Recycling and sustainability are important priorities for our region and for our business community," said Cindy Laurila, the office park manager.

One of the campus' largest tenants, Autodesk, Inc., was also a driver. They helped get the recycling effort started and worked closely with Shorenstein and Clackamas County to develop strategies. A two-building pilot program was designed. A waste audit of more than 300 pounds of the buildings' garbage showed plenty of opportunities for recycling.

"The program quickly spread to the other campus buildings," said Susan Terry, a Recycle at Work specialist. "We provided recycling boxes for every office in every building to collect paper, plastics and cans," Terry said. "And, we've worked to communicate Shorenstein's goals to the tenants and the janitorial staff."

In May 2008, with a new recycling program in place, Shorenstein held a day-long "Green Fair" for its tenants. Shorenstein also



Green Fair attendee Ginny Haines browses the informational booths

became the first property management firm to receive a BRAG Award on behalf of Clackamas County and Allied Waste. Presented by Lake Oswego Mayor Judie Hammerstad, this award recognizes Shorenstein's commitment to recycling and waste prevention.



The Businesses Recycling Awards Group (BRAG) members are high-achieving Clackamas County businesses that recycle all relevant materials regularly, consistently buy recycled-content products, take active measures to prevent waste, and demonstrate a commitment to other sustainable business practices.

**To become a BRAG member contact our Recycle at Work team at 503-557-6363.**

Don't wait, become a BRAG member today. Join our list of participating members. Here are some businesses who have joined since the Spring edition of Trash Talk:

- Collier Arbor Care, Clackamas
- Rose City Label, North Clackamas
- Majestic Eagle Agency Inc, Clackamas
- Acosta Sales and Marketing, Clackamas
- Mark Gamba Gallery, Milwaukie
- First Street Veterinary Hospital, Lake Oswego
- Lake Oswego Veterinary Hospital, Lake Oswego
- Convention Foliage Solution, Molalla
- Minuteman Press, Oregon City
- Nature Bake and Dave's Killer Bread, Milwaukie
- ChemStation, Wilsonville (below)



Brag Award recipient ChemStation (left to right) Brian McCoy, Todd Brook, Tony Juarez, Doug Newbury

### BRAG Business profile:

**ChemStation of Wilsonville** was honored with a Distinguished BRAG award for excellence in recycling and waste prevention. Along with the commitment to purchase recycled-content office products, ChemStation drastically reduced paper use by decreasing document size, printing two-sided documents, sending forms electronically and reducing the amount of catalogs received.

"This is a business with a sincere commitment to waste prevention," said Julane Potter of Clackamas County. "The improvements made here are being shared with 50 other ChemStation franchises. These actions have the potential to really add up."

ChemStation provides, manufactures and delivers chemicals in a closed-looped system. By using refillable tanks, the company eliminates the use of tons of polyethylene plastic drums.

## We are here to help you get started

Contact a Sustainability Analyst for:

- Free waste evaluation
- Free deskside recycling boxes
- Free educational materials
- Free presentations

Clackamas County Recycle at Work  
Office of Sustainability  
email: [wasteinfo@co.clackamas.or.us](mailto:wasteinfo@co.clackamas.or.us)

*Please call 503-557-6363 to learn more*

# Recycle At Work

## NatureBake shrinks its eco-footprint

For more than 50 years the Dahl family has been baking in the Portland area. NatureBake president Glenn Dahl purchased the company from his father. It started out as a donut shop on Southeast 123<sup>rd</sup> Ave and Division.

After a long absence, Glenn's brother Dave returned to the bakery in 2005 and developed new products for NatureBake. With the help of Glenn's son Shobi, he started marketing Dave's Killer Bread. With titles such as Rockin' Rye and Peace Bomb, the loaves quickly gained popularity.

Currently 20,000 loaves are sold weekly from Seattle to Corvallis at stores such as Fred Meyer and New Seasons.



The Dahls (left to right) Glen, Shobi and Dave

In addition to being passionate about tasty, wholesome products, the Dahls strive to be environmental stewards. In April 2008 Nature Bake relocated to Milwaukie. Shortly after moving they called Clackamas County's Recycle at Work program for help. Since then they have educated their 83 employees on what can be recycled. Bread that is unsold is donated to charities including the Oregon Food Bank.

## Saving energy is smart business

The company also has worked to shrink its eco-footprint by being more energy efficient. Shortly after moving it improved the building insulation, and installed light sensors and programmable thermostats. The company has completed a major energy upgrade project by changing out old T12 light fixtures with T8s, which includes recycling the old T12s. A T12 lamp is one and one-half inch in diameter while a T8 is only one inch and, depending on the ballast, consumes 17%-48% less energy than a T12.

According to the Oregon Department of Energy, by doing this, in addition to replacing magnetic ballasts with electronic ballasts, it is possible to reduce energy use by 50 percent.

"These days with the financial incentives available to businesses, it is silly not to do energy upgrades," said Dahl. Within two years, the company expects to recapture the cost of the \$24,000 project.

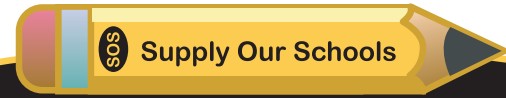
For more information on NatureBake and Dave's Killer Bread visit [www.naturebake.com](http://www.naturebake.com)

### NatureBakes' Project Cost for Energy Upgrade from T12 to T8 Lighting

Total Project cost	\$24,201
Energy Trust incentive	-\$7,260
Oregon Tax credits	-\$8,470
Net installation	\$8,471
Est. yearly savings	\$8,056

The project has an estimated out-of-pocket payback of less than 2 years!

For more information on energy-related incentive programs and tax credits for businesses see page S4.



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

Do you or your company have furniture, computers, outdated stock, old letterhead, or seconds crowding your warehouse or overflowing your garbage dumpster? Instead of sending these items to the landfill, give them a second life by donating the materials to local schools.

The Supply Our Schools (SOS) website was created to provide needed supplies for the schools in Clackamas County as well as to divert usable materials from being disposed, thereby conserving energy, resources, and landfill space.

Visit [www.supplyourschools.com](http://www.supplyourschools.com) to log on and register your business or school. Questions: 503-557-6363

## Get the lowdown on recycling CFL bulbs and fluorescent tubes

What does your business do with fluorescent tubes and compact fluorescent lamps (CFLs) when they burn out? If you don't know, find out. CFLs need to be recycled properly.

Fluorescent tubes and CFLs contain mercury, which can accumulate in living tissue and cause adverse health effects. Several million lamps are discarded in Oregon each year, making these lamps the largest source of mercury in our solid waste-stream. When tubes are broken in a garbage container, the mercury is released into the environment and it contaminates trash.

In 2000, the Environmental Protection Agency (EPA) began regulating fluorescent bulbs as a Universal Waste. The Universal Waste Rule was created to encourage recycling and proper disposal of certain common hazardous wastes by reducing the regulatory burden on businesses and individuals that generate these wastes. Under this rule, all Universal Waste must go to a permitted Treatment, Storage, and Disposal Facility (TSDF).

There are several licensed locations in the Portland area for spent fluorescent tubes and bulbs. Several companies offer pick-up or mail-in options. The cost per bulb for recycling fluorescents is little to nothing when compared to the amount of money saved by using them.

For a summary of steps to assess a fluorescent tube and bulb recycling program, visit [www.epa.gov](http://www.epa.gov).

For a complete list of companies and locations that take fluorescents, call Metro at 503-234-3000 or go to: [www.oregonmetro.gov/findrecycler](http://www.oregonmetro.gov/findrecycler)

### Q: Why use these bulbs if they contain mercury?

A: Electricity use is the main source of mercury emissions in the U.S. CFLs and T8s use less electricity than incandescent lights and T12s, meaning CFLs reduce the amount of mercury released into the environment.

Because CFLs also help to reduce greenhouse gasses, other pollutants associated with electricity production, and landfill waste (because the bulbs last longer), they are clearly the environmental winner when compared to traditional incandescent light bulbs.



# Kids' Page



Sustainability is the practice of meeting our needs without compromising the ability of future generations to meet their needs. Think of the Earth as a piggy bank and natural resources as its contents. We can only withdraw so much from it before we run out of resources.

Sustainable resource use occurs when we consume or use natural resources at a rate that can continue without damaging the Earth's environment, its people or the economy. Conserving water, energy and materials are all sustainable behaviors.

To measure your own impact upon the Earth, your eco-footprint, take the quiz at: <http://www.kidsfootprint.org>.

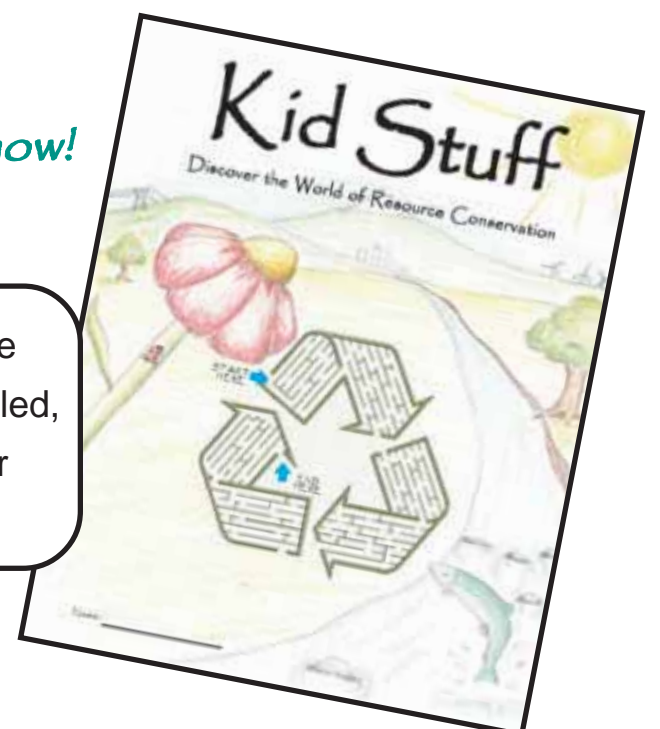
## Ten Simple Steps to Shrink Your Eco Footprint

Check off each box as you complete the action. Develop Green habits.

- Run the dishwasher only when it is full
- Use public transportation, bike or carpool.
- Turn off water while brushing teeth, working at the kitchen sink or washing your car.
- Decide what you want before you open the refrigerator door.
- Unplug chargers and turn off appliances, including computers, when not in use.
- Use low flow shower heads.
- Bring reusable bags when you shop.
- Use a travel mug or reusable bottle instead of disposable cups or water bottles.
- Spread the word to your family and friends.
- Reduce, Reuse, and Recycle at school and home!

*Knowledge is power, act now!*

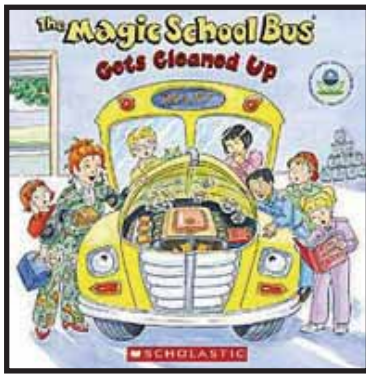
Check out our new **Kid Stuff** booklet. This is the Sustainability page from our 16-page, activity-filled, resource conservation booklet. It is available for classrooms and events. See page 5 to order.



# SCHOOL NEWS

## THE MAGIC SCHOOL BUS GETS CLEANED UP

In this new adventure, the children and Ms. Frizzle explore the pollution emitted from their own diesel school bus as they find themselves traveling through a diesel engine. They learn about idle reduction and ways the community can help reduce the health risks from diesel exhaust. Teachers and librarians can order a free copy at: [http://www.epa.gov/OMS/schoolbus/outreach.htm#order\\_pubs](http://www.epa.gov/OMS/schoolbus/outreach.htm#order_pubs)



**Why?** Idling school buses pollute the air in and around the bus. Exhaust from buses can also enter school buildings through air intakes, doors, and open windows.

**Health Risk:** Diesel bus exhaust from excessive idling is a health concern. It contains significant levels of particles so small that several thousand of them could fit on the period at the end of this sentence. Fine particles pose a significant health risk to both drivers and children because they can pass through the nose and throat and lodge in the lungs. They can cause lung damage and cancer. They can also aggravate conditions such as asthma and bronchitis. Studies show that **more than one in twelve children in Oregon** suffer from asthma. Children are more susceptible to air pollution than healthy adults because their respiratory systems are still developing and they have a faster breathing rate.

**Wasted Fuel and Money:** When idling, a typical school bus engine burns approximately half a gallon of fuel per hour. School districts that eliminate unnecessary idling can save significant dollars in fuel costs each year. The EPA offers a helpful idling calculator to estimate the fuel saved by reducing idling in your school bus fleet.

**Engine Wear-and-Tear:** School bus engines do not need to idle more than a few minutes to warm up. In fact, extended idling causes engine damage. Engine manufacturers generally recommend no more than three to five minutes of idling at start-up.

**Simple Tip:** The EPA recommends lining up buses diagonally with the rear ends of the buses pointed away from school buildings and waiting children. This prevents the exhaust from one bus from being emitted into the bus parked behind it and from entering the school as easily. Learn more at: <http://www.epa.gov/otaq/schoolbus/antiidling.htm>

## IT'S NOT COOL TO IDLE AT SCHOOL



At most schools, parents' or family members' cars often idle away while waiting for children to emerge. Idle-reduction is an easy way to save money by saving fuel, reducing wear and tear on engines, protecting the health of children and drivers through improved air quality.

Old habits are hard to break. To most, idling a car may seem fairly innocuous, but it actually damages the modern engine, wastes gasoline, and is often done based on mistaken assumptions or outdated logic. Each day, Americans waste approximately 3.8 million gallons of gasoline by voluntarily idling (when the car is not actually being driven in traffic).

Schools across the nation are setting up "No-Idling Zones" to help the cause. The Oregon Environmental Council's *It's Not Cool to Idle at School!* toolkit is an exciting way to engage students to improve air quality in and around your school and to help reduce fuel consumption. Designed for 5th-8th grade students, the project uses a multi-disciplinary approach to reduce pollution and raise awareness of important health and environmental issues. This may be the Earth Day/Every Day project teachers and parents are seeking. Check out their web page: [http://www.oconline.org/our-work/kidshealth/schools/index\\_html](http://www.oconline.org/our-work/kidshealth/schools/index_html)

This coupon entitles the holder to

**20% off**  
any material purchase



school & community reuse action project

"SCRAP promotes creative reuse and environmentally sustainable behavior by providing educational programs and affordable materials to the community."

For more information call 503-294-0769.

3901A N. Williams Ave.  
Portland OR 97227  
2 blocks North of Fremont St.

503-294-0769  
Hours: Wed. 11 - 8 p.m.  
Thurs. - Sat. 11 - 6 p.m.  
Sunday 12 - 5 p.m.  
[www.scrapaction.org](http://www.scrapaction.org)

## OREGON GREEN SCHOOL STARS

Congratulations to our Oregon Green Schools! They've developed and sustained successful recycling and resource conservation programs. Clackamas County OGS list as of November 2008:

### OGS PREMIER LEVEL

Deep Creek Elementary, Damascus  
Sunset Primary, West Linn



### OGS MERIT LEVEL

Carus Elementary, Carus  
Colton Middle, Colton  
Stafford Primary, Stafford



### ENTRY LEVEL OREGON GREEN SCHOOL

Ackerman Middle, Canby  
Alder Creek Middle, Milwaukie  
Baker Prairie Middle, Canby  
Boones Ferry Primary, Wilsonville  
Cedar Oak Park Primary, West Linn  
Cedar Ridge Middle, Sandy  
Clackamas High, Clackamas  
Damascus Middle, Damascus  
Eagle Creek Elementary, Eagle Creek  
Estacada Middle, Estacada  
Fort Independence, Happy Valley  
Gladstone High, Gladstone  
Kelso Elementary, Kelso  
Kraxberger Middle, Gladstone  
Lake Oswego Junior High, Lake Oswego  
La Salle High, Milwaukie  
Molalla Middle, Molalla  
Oregon Trail Elementary, Happy Valley  
Pacific Northwest Academy, Wilsonville  
Redland Elementary, Redland  
Rosemont Ridge Middle, West Linn  
Springwater Environmental Science School, O.C.  
Wilsonville High, Wilsonville  
Wood Middle, Wilsonville

**Add your school's name to this list!**

503-742-4454, [eileens@co.clackamas.or.us](mailto:eileens@co.clackamas.or.us)  
check it out at: [www.oregongreenschools.org](http://www.oregongreenschools.org)

## LEARN MORE

Student and staff waste reduction and recycling participation improves with more knowledge of our solid waste system; knowing the what, why, and how. Oregon requires that recycling be taught in grades K-12. Contact us today to help jump start your recycling, composting, or Oregon Green School program, to schedule an activity or presentation, or to borrow materials or kits. 503-742-4454 or [eileens@co.clackamas.or.us](mailto:eileens@co.clackamas.or.us)



### Classroom Presentations:



**From Earth to Landfill:** An overview of where our garbage comes from and where it goes. Emphasis on reduction, reuse, recycling, and steps toward sustainability. Grades 2-12, grade appropriate



**Worming Through Waste:** Explore composting with worms and the entire worm bin ecosystem. Grades 2-12



**Stuff:** Examine the lifecycle of a pop can, newspaper, hamburger, athletic shoes, computer, etc., and its environmental impacts. Grades 7-12



**Papermaking:** Make art paper from classroom scraps. Includes history and benefits of paper waste reduction. Requires volunteer assistance. K-12



**The Heat is On:** Learn about the effects of materials over-consumption and disposal on global climate. Then learn about actions you can take to sustain our environment. Grades 5-12

### Loaner Kit and more available for your class



**Waste Sort:** See what's in your school's trash and what can be done to reduce waste (a step to becoming an Oregon Green School). Kit includes loan of scale, buckets, signage, forms, clipboards, gloves & drop cloth.



**Kid Stuff Activity Booklet:** Resource conservation booklet targeted to 5th/6th grades, but applicable up to 8th grade.

## Crush, Don't Flush



The Pharmaceutical Research and Manufacturers of America recently signed a formal agreement with the U.S. Fish and Wildlife Service and the American Pharmacists Association to help protect fish and aquatic resources from the improper disposal of medication.

Consumers were once advised to flush their expired or unused medications, but recent environmental impact studies report that this practice could be having an adverse impact on the environment and water resources.

### New approved way to dispose of medication

Instead, the currently approved way to handle most medications is: **“Don't flush those medicines, crush the medicines in a plastic bag; add coffee-grounds, sawdust or kitty-litter; seal the bag and put it in the trash. In other words, crush . . . don't flush.”**

“Trace amounts of chemical compounds often associated with medications have been increasingly detected in our waters, the very waters that support our nation's fish and other wildlife,” said Gary Frazer, with the Fish and Wildlife Service.

Also, consumers are advised to remove and destroy all identifying personal information, including the prescription label, from discarded medication containers.

## Recycling at your multifamily community

Clackamas County is committed to enhancing recycling opportunities for multifamily communities. Keeping up to date on current recycling practices can be a challenge. This is why we want to keep residents educated on what materials are recyclable and how to recycle them.

### Free resources and assistance available:

- On-site recycling evaluations
- Doorhangers with recycling info
- Updated recycling signs and stickers
- Presentations to residents
- Property manager recycling guide



We are also a resource for any garbage or recycling challenges your multifamily site may be experiencing. Clackamas County is here to make recycling easier for everyone.

Contact Clackamas County at 503-742-4465  
wasteinfo@co.clackamas.or.us

### Where to recycle cell phones



Check local schools and nonprofits. They may collect cell phones as a fundraiser. Also, most cell phone stores accept old cell phones for recycling. For other locations:

[www.call2recycle.org](http://www.call2recycle.org)

## Popular Master Recycler Class coming to Clackamas County



Master Recycler Ross Kenney assists Sustainability Supervisor Susan Ziolkko at the Clackamas County Fair

### The popular nine-week course will be held in Clackamas County's new Development Services Building in Oregon City on Wednesday evenings starting Jan. 7, 2009.

The Master Recycler course provides instruction in topics such as waste reduction, recycling processes, alternatives to hazardous household products, composting and green building. Classes are taught by professionals from the public and private sectors who are working on innovative solutions to environmental challenges.

Course graduates agree to volunteer 30 hours putting their skills to work. Master Recyclers volunteer to staff information booths at community events, make presentations, and work on special projects in their neighborhoods, schools, and workplaces.

The course consists of nine weeknight classes and two half-day Saturday field trips. A \$50 course fee includes all materials. **Class size is limited and the registration deadline is Wednesday, December 3, 2008 at 5 p.m. Go to [www.masterrecycler.org](http://www.masterrecycler.org) or call 503-823-7530.**

## What to do with Styrofoam®

### Foam peanuts:

Reuse what you can or offer them to others to use. Bag the rest and take them to a packing/ mailing service. Call first to make sure your local store needs them. If you do put them in the garbage, **bag them securely** so they don't blow around your neighborhood.

### Foam blocks:

Unfortunately, in the Portland area there are limited or no markets for many kinds of plastics, including foam blocks. Manufacturers don't want these plastics to make into new products.



### Please don't put them in your curbside recycling.

Block foam is only recyclable at a few locations in the region. Contact the Metro Recycling Hotline, 503-234-3000 for recyclers.

### Avoid using it if you can:

Instead, try a more Earth-friendly packing material. Using alternative packing material when you mail packages means less to dispose of when the package reaches its destination. Popped, unsalted popcorn works well to protect contents from breakage. It can be added to the compost pile, fed to the birds or strung to decorate a holiday tree. If you shred paper at home, you produce another good alternative. Shredded paper cushions well against shock and can be recycled as long as it is bagged (in paper) to keep it from blowing away.

# Recycle at home:

Recycle paper, cardboard, plastic bottles, tubs, buckets, nursery pots, and metals together:



Please include only clean recyclables.  
If not clean, they are garbage.

Newspapers (*no plastic bags*)  
Magazines, catalogs, phone books  
Opened junk mail, office paper  
Cereal, cracker, shoe-type boxes (*no liners*)  
Shredded paper (*place in paper bag*)  
Paper bags, paper egg cartons  
Labels from metal cans  
Wrapping paper, greeting cards (*no foil*)  
Milk, juice, soup cartons (*rinsed & drained*)

Clean metal cans (*no need to flatten*)  
Clean foil, pie plates, trays  
Empty aerosol cans  
Other scrap metal (*30 lb. max., no longer than 30 in.*)  
Plastic bottles and tubs, 6 oz. and larger (*no lids, no need to flatten*)  
Buckets, no larger than 5 gallons  
Rigid nursery pots, 4" across and larger (*no dirt*)

## Recycle glass on the side:

Clean glass bottles and jars go in a **SEPARATE** recycling container. Motor oil is on the side, too.



# Not recyclable in our program:



Paper with food on it (*pizza boxes, etc.*)  
Wax, plastic, or foil-coated paper  
Paper with "wet strength" in it  
(*frozen food boxes, paper cups, paper plates, napkins, paper towels, tissue, pet food bags*)  
"Wet strength" is an additive that keeps paper together when it gets wet; it doesn't break down in the papermaking process.  
Plates, glassware, cookware, ceramics, vases, mirrors, picture frame & window glass, light bulbs  
Not recyclable with glass bottles due to different ingredients and melting points. Fluorescent light bulbs and tubes contain mercury. See page 8 for safe disposal.

Plastic bags and film  
Styrofoam® packaging, peanuts, trays, take-out containers  
Any plastic bottle or tub smaller than 6 oz.  
Clear "clamshells," bakery containers  
Lids, trays, cups, plates, silverware  
Blister packaging (*tough, clear, product-shaped, display plastic*)  
Toys, large plastic items  
Biodegradable plastics  
Plastics with food on them  
Hazardous material and motor oil bottles  
Any plastics not on the **Recycle** list

For a smaller version of the Recycle at Home page to hang on your refrigerator:

<http://www.clackamas.us/transportation/recycling/>  
and click on Recycling YES & NO pdf.

Or call Clackamas County at 503-742-4463,  
email: [wasteinfo@co.clackamas.or.us](mailto:wasteinfo@co.clackamas.or.us)

To find recyclers for materials not included in our program: Contact the Metro Recycling Hotline, 503-234-3000 or [www.oregonmetro.gov/findrecycler](http://www.oregonmetro.gov/findrecycler)



**PLASTIC BAGS  
ARE NOT RECYCLABLE CURBSIDE!**

They tangle in machinery at recycling sorting facilities. Conveyers are shut down several times a day so plastic bags can be cut off.

# The "Back Page"

Where should hazardous materials go?

- Not in the garbage,
- Not down the drain,
- Not on the ground,
- Not illegally dumped!



**Safely dispose of:** Paints and stains, Batteries, Propane tanks, Fluorescent bulbs and tubes, Pesticides, Mercury thermometers, Automotive fluids, Pool and spa chemicals, Solvents/thinners, Art and hobby chemicals, and Sharps (needles, lancets, etc.)

**At:** Metro South Transfer Station, 503-234-3000, 2001 Washington St., Oregon City  
 Hazardous waste drop-off hours: Mon. - Sat., 9 a.m. - 4 p.m.  
 (No charge for residential amounts up to 35 gallons. For businesses and other non-residential hazardous waste, contact Metro at 503-234-3000.)

## Alternatives...to using hazardous products!

**Hazardless home handbook** - A guide to hazardous household products and effective alternatives.

**Green cleaners** - Recipes for green cleaning products.

**Natural gardening** - A troubleshooting guide to garden pests, and using less-toxic alternatives.



For **FREE** publications:

Clackamas County, 503-557-6363  
 wasteinfo@co.clackamas.or.us or  
 Metro Recycling Hotline 503-234-3000

**Link to online versions:**

<http://www.clackamas.us/transportation/recycling/brochures.htm>

## Leaves, yard debris & wood: where to recycle

### Davis Recycling Center

503-655-1928  
 4001 Willamette Falls Dr.  
 West Linn

### McFarlane's Bark

503-659-4240  
 13345 SE Johnson Rd.  
 Milwaukie

### Metro South Transfer Station

503-234-3000  
 2001 Washington St.  
 Oregon City

### Pacific Land Clearing & Recycling

503-656-7793  
 16020 S Park Place Ct.  
 Oregon City

### S & H Landscaping Supplies

503-638-1011  
 20200 SW Stafford Rd.  
 Tualatin



## Fall/Winter Service Reminders

**Holidays:** Thanksgiving, Christmas, and New Year's may affect your collection day. Your company will notify you in advance of any changes.

**Bad weather:** If it's not safe, garbage, recycling, and yard debris is not collected. Call your garbage company to see if collection is delayed.

**At the road/curb by 6 a.m.:** Ensure all containers are visible, accessible, and that turn-around areas are clear. Please take them back to your house after pick up.

**Extra garbage:** Doesn't go in with yard debris or recycling. Call your garbage company for options including bulky waste pick up and cleanup containers. There are extra charges if garbage is put in with yard debris or recycling.

**Overfilled containers:** Lids must be closed and material must fall loosely when emptied. Set out recycling and yard debris when containers are full or manageable. Fees apply to overfilled containers and it may not be possible to safely empty them.

**Reduce litter:** Put loose garbage such as cat litter, other pet waste, and foam peanuts in a sealed bag before putting them in the garbage. (Note: foam peanuts can be taken to a mailing service for reuse.)

**Keep your carts and bins in good condition:** Containers supplied by your garbage company remain their property. Rinse them occasionally and don't paint or otherwise damage them.

**Questions:** Contact your garbage company or Clackamas County at 503-742-4463 or [wasteinfo@co.clackamas.or.us](mailto:wasteinfo@co.clackamas.or.us)

## Recycling Depots in Clackamas County

- 2 = Fee for appliances with refrigerant
- 3 = No refrigerators, freezers, air conditioners
- 4 = Call for recycling information

	Paper, Cardboard, Metals	Plastic Bottles & Tubs	Glass Bottles & jars	Nursery pots (no dirt)	Scrap Metal	Appliances	Window Glass	Plastic Bags & Film	Antifreeze	Motor Oil	Car Batteries	Tires - Fee	Computers, TVs - Fee
K.B. Recycling - Clackamas 9602 SE Clackamas Rd., Clackamas 503-659-7004	●	●	●	●	4	2	4						4
K.B. Recycling - Canby 1600 SE 4th, Canby 503-266-7903	●	●	●	●	4	2	4			●		4	4
Metro South Transfer Station 2001 Washington St., Oregon City 503-234-3000	●	●	●		●	2	4	●	4	●	●	4	
Portland Recycling Centers 341 Foothills Rd., Lake Oswego 503-228-5375	●	●	●	●	●	3		●		●	●		4
Clackamas County Transfer Station (1.5 miles east of Sandy off Hwy 26) 503-668-8885	●	●	●	●	●	2			4	●	●	4	
Willamette Resources, Inc. 10295 SW Ridder Rd., Wilsonville 503-570-0626	●	●	●	4	●	2		4					
City of Estacada Recycling Depot 200 NW Evergreen Way, Estacada 503-630-8286	●	●	●	●									
R.S. Davis Recycling, Inc. 10105 SE Mather Rd., Clackamas 503-655-5433					●	2					●		

## To find a recycler for other materials:



**Metro Recycling Hotline**  
**503-234-3000**  
[www.oregonmetro.gov/findrecycler](http://www.oregonmetro.gov/findrecycler)

**Trash Talk** is created by the Clackamas County Recycling Partnership, a cooperative of Clackamas County; the cities of Barlow, Canby, Damascus, Estacada, Gladstone, Happy Valley, Lake Oswego, Milwaukie, Molalla, Oregon City, Sandy, West Linn, and Wilsonville; and the local franchised garbage and recycling companies. Contact us at 503-557-6363 or [wasteinfo@co.clackamas.or.us](mailto:wasteinfo@co.clackamas.or.us) [www.clackamas.us](http://www.clackamas.us)

Printed with soy-based inks on 70% post-consumer recycled-content paper, bleached with peroxide, not chlorine.

Locally made at Blue Heron Paper Company, Oregon City