

## June News

### Master Recycler Spring Tour: A Fascinating Adventure!

#### **Sunderland Yard** (by Diane Larson, Class 30)

Sunderland Recycling Facility has won national awards for its work in recovering waste related to roads in Portland.

Sunderland Yard performs two types of recovery:



*Tour-goers explore piles of gravel, sand and dirt at Sunderland Yard. Photo by Kacia Brockman (Class 26).*

- **Crushing:** Takes clean asphalt and concrete from city maintenance projects (or from small contractors repairing sidewalks and driveways) and crushes it into gravel to be used for road base and trench fill.

- **Composting:** Takes leaves from city streets and fall leaf depots and turns them into compost to be used as soil amendment or erosion control.

In addition, Sunderland Yard takes street “sand” picked up by street sweepers and screens it for reuse. Some “sand” is actually what’s called “dirty rock,” which works better on roads during wintry weather.

The facility is funded by gas tax revenues and parking meter revenues as well as by fees for gravel, asphalt and compost which are all available to buy.

#### **Metro Metals Northwest** (by Serena Ross, Class 37)

Metro Metals NW is a scrap metals recycler located on 18 acres in North Portland off of Columbia Way. They process thousands of tons of metal per day and turn around their inventory in a matter of weeks. Two types of scrap metal are received. Ferrous metal, which is magnetic and defined by anything containing iron, is bought by the ton. Non-ferrous metal, such as aluminum, copper and bronze, is not magnetic and is bought by the pound.

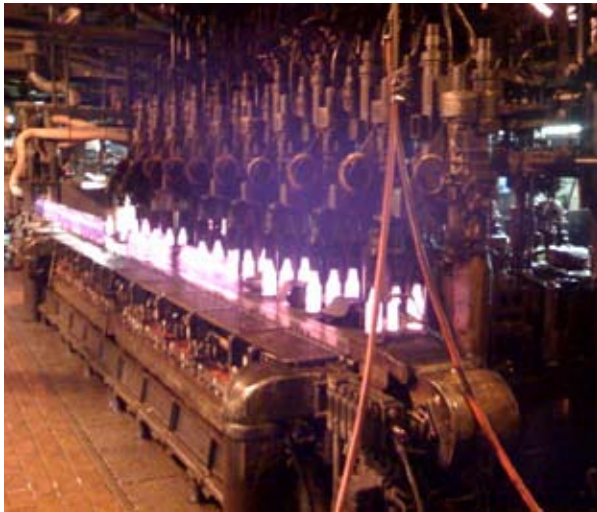
Metro Metals takes in everything from huge truckloads of steel, entire cars and appliances to be shredded, and industrial metal shavings, down to Christmas tree lights and gutters from your house. They do not take any hazardous metals including mercury or radioactive items. Each non-ferrous metal commodity has its own price per pound so must be separated by type before it can be priced. Much of the scrap metal these days ends up being sold overseas and Metro Metals typically exports about 200 containers per month.



*Happy hard hats at Metro Metals. Photo by Kacia Brockman (Class 26).*

Metro Metals NW has done considerable work to alleviate environmental issues of contaminated storm water draining into the water ways. They have built a storm water waste treatment facility on-site to process all the storm water that hits the pavement at their location.

### **Owens Illinois Glass** (by Jaylen Schmitt, Class 38)



*On the line at Owens Illinois. Photo by Wing Grabowski (Class 38).*

Located on the aptly named Glass Plant Road in Northeast Portland, Owens-Illinois has been recycling glass since 1956. At that time its furnaces were powered completely by electricity, but in 1986 the source of power for their melting furnaces was switched entirely to natural gas. The facility currently operates two of four furnaces, burns 80,000 cubic feet of natural gas per hour and recycles 400 tons of glass per year. The furnaces are continuously fed to a depth of five feet – approximately 750 square feet

of glass being melted at any given time. The glass comes from beverage container recovery stations (like at Fred Meyer stores) and from local MRFs. Owens-Illinois makes containers for over 250 customers – some local – providing them with bottles for microbrews, wine, pickles and other products.

The beverage containers Owens-Illinois produces are made with 65%

recycled glass mixed with 35% raw materials such as limestone, silica or soda ash depending on what color the glass will be. The crushed, recycled glass cullet is mixed with raw materials depending on container type and color and sent to the furnace for melting where the temperature reaches 2750 degrees Fahrenheit.

A stream of melted glass is then cut into gobs. The gob is put in to a mold where the opening of the container is formed first. It is then inverted where the rest of the container is blown into shape. The



*Photo by Kacia Brockman (Class 26).*

The glowing hot, formed bottle is then put on a conveyer belt and transported through a cooling process where it first gets a mist of tin and then plastic sprayed over the outside to make the glass non-sticky (glass will stick to itself or other bottles without this coating). The bottles are then packaged for shipping. When the recycling facility is operating at full capacity, the glass plant can produce a million and a half bottles per day.

## **Oregon Food Bank**

This may look like a picture of a rather generic, boring old box. Even its label is vague: "vegetable creamy soup." But in reality it is one of the many interesting stories about how Oregon Food Bank and local businesses are working together to end hunger and reduce the waste of food in Oregon. The Food Bank found that they would often get donated odds and ends that they couldn't package and distribute. So Pacific Foods agreed to take these items and make soup with the ingredients. They donate the labor and packaging and send it back to the Food Bank, a unique soup every time.



*"Vegetable creamy soup." Photo by Kacia Brockman (Class 26).*

The Food Bank's Harvest Share program recovers perishable food from local farmers and grocers and redistributes to families in need, farmers' market style. They also offer gardening and cooking classes to help residents become more self sufficient. And in addition to their daily operations, the tour was timed perfectly to witness the thousands of boxes of food donated by the Annual Letter Carrier Food Drive.

# Master Recyclers at Work All Over the Region

Master Recyclers tabled, presented and organized events all over the region as part of Earth Day celebrations, contributing almost 450 hours of outreach and touching more than 15,000 residents! Presented here are examples of Master Recyclers in action. And don't forget - it's not too late to report your hours!



*Clockwise from top Left:*

*Gresham E-Waste Collection event: Tristan Whitehead (Class 33) Billie Shults (Class 28) Kirstin Baker-Wicks (Class 39) Wendy Martinson (class 41). Not shown: Cassy Miller (Class 40), Rachel Zarfes; Billie greeting cars in Gresham; Kenton Neighborhood Cleanup: Teri Peterson (Class 35). Not shown: Mark Stephan (Class 30), Genevieve Joplin (Class 31); Sellwood Elementary School Sustainability Fair: Satish Palshikar (Class 36). Not shown: Heather Randol (Class 38); St. Johns Trash to Treasure reuse swap Lindsey Maser (Class 39) Elle McKay (Class 41). Not shown: Elysia Lindfield (Class 39).*

## Certified Master Recyclers

Three Master Recyclers completed their 30-hour commitment in April.

**Mark Insalaco's (Class 38)** efforts have helped make his employer, Intel, a greener place. He joined a Green Team there who did a week-long, multi-campus Earth Day celebration. Mark engaged the public, making a fun Power Point quiz for his table. Instrumental in getting a

Plastic Roundup located at Intel's Roncler Acres, he had planned on leading the next Roundup before they were postponed.

**Heather Randol (Class 38)** has spent many hours in her SE neighborhood area. She tabled at community events like the Sellwood School Sustainability Fair. She is also part of a committee of Master Recyclers helping the Moreland Farmers' Market in Westmoreland green its practices.

**Michael Britton (Class 40)** doesn't fool around when he joins a Green Team. He took a lead roll in organizing the huge Nike Earth Day Sustainability Fair with vendors, a waste recovery plan and of course many a Master Recycler. Michael has several other cool projects he is working on, so we should see his 100th hour by mid summer!

## Master Recycler Joins Century Club

Since **Lane' Richards (Class 39)** completed her course in November she has been active nearly everywhere - in Hillsboro, Hillsdale, Beaverton, SE, North and NE Portland. Lane' joined Northwest Earth Institute and is a volunteer presenter at Eco-Parties. She created a great see-through worm bin display to take on the road. She helped a couple schools work toward getting Oregon Green School Certification. She is an active part of her Green Team at work. Along with being incredibly active, Lane' is very thoughtful and creative with everything that she does. She recently joined the Master Recycler Mentors and will continue to be an asset to the program.



## Changes to the Portland Recycle at Work Program

In an effort to make our region more sustainable, Metro adopted "business recycling requirements" in September 2008 to keep all paper and containers out of the garbage. This new effort means that all regional cities and counties must pass laws that require all businesses to keep recyclable paper and containers out of our landfills.

In April 2008, Portland City Council adopted an aggressive, but attainable new goal to reach a 75 percent recycling rate by 2015. Portland businesses now recycle 63 percent of all waste produced. This is a commendable rate, envied by cities around the nation. And yet each year 100,000 tons of recyclable paper, bottles and cans are sent to our landfills. The City is asking each and every Portland business to recycle at work by using five practices:

1. Identify a champion.
2. Recycle all paper, bottles and cans.
3. Make containers conveniently located and well-labeled.
4. Train staff.
5. Throw away less waste.



*A Recycle At Work champion!*

Starting this month and during the next 12 months, every business in Portland will receive a letter outlining these easy steps, and will be asked to submit an annual progress report. When a business completes all five steps and the progress report, they will be recognized as a Recycle at Work Certified Business – a new level of recognition from the Bureau of Planning and Sustainability.

For more information about the five steps, and to check out new web resources like the E-Training Tool, visit [www.recycleatwork.com/portland](http://www.recycleatwork.com/portland).

## Volunteer Opportunities

### **Gresham Farmers Market**

NW 3rd St., between Miller & Main, Gresham

Saturday, May 30th

Shifts: 8 – 11 a.m. (includes set up), and 10:30 – 2:30 p.m. (includes breakdown)

Join Rachel Zarfes (Class 37) tabling on proper recycling preparation and waste reduction.

Contact: Rachel Zarfes, (503)618-2206, rachel.zarfes@ci.gresham.or.us

### **Rose City Park Neighborhood Cleanup**

Archbishop Howard Middle School 5309 NE Alameda St, Portland  
Saturday, May 30th 9 a.m. – 3 p.m.

Join Master Recycler Mentor Colleen Johnston (Class 36) to organize plastic recycling collection at this community cleanup event.

Contact: Colleen Johnston, (503)670-9135, colleen.johnston@providence.org

### **Family Volunteer Fair**

Tigard High School 9000 SW Durham Road,  
Tigard  
Saturday, May 30th 9:30 a.m. – 12:30 p.m.

Encourage families to neighborhood recycling events, swap events, clean-ups and more at this event. Messages will focus on residential recycling and how to connect schools with recycling (Recycle at Schools program or Oregon Green Schools Program).



*KC Aitken (Class 39) tabling for Washington County.*

Contact: Michelle Pimentel, (503)846-3651, michelle\_pimentel@co.washington.or.us

### **Portland Eastbank Farmer's Market**

SE 20th and Salmon, Portland  
Thursdays in June 3 – 7:30 p.m.

Join Master Recycler Audrey Desler (Class 39) on one or several Thursdays in June at an information table. The topics will vary throughout the month.

Contact: Audrey Desler, reuse.it.now@gmail.com

### **Hillsboro Farmers' Market**

Historic District, Main Street and 2nd Ave, Hillsboro  
First Saturday of every month  
Shifts: 7:30 a.m. – 11 a.m. and 10:30 a.m. – 2 p.m.

Join Heidi Lambek (Class 39) tabling on recycling and Greener Cleaner (and worms later in the season). Times include set up and breakdown.

Contact: Heidi Lambek, (503)475-5850, oregontreehugger@gmail.com

### **Senior Adult Group**

Mt. Scott Church of God, 10603 SE Henderson St., Portland  
Thursday, June 11th 1 p.m. – 2 p.m.

Share a broad spectrum of recycling information at this senior adult group lunch/potluck.

Contact: Monica Monroe, (503)287-6867, monicamonroe@comcast.net

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Contact: Audrey Desler, reuse.it.now@gmail.com

### **Compost/Worm Bin Demonstration**

Smith and Hawken 26 NW 23rd Pl, Portland  
Saturday, June 13th or Saturday, July 4th 11 a.m. – noon

Smith and Hawken offers weekly seminars to their customers and invites a Master Recycler to offer a compost/worm bin demonstration or presentation.

Contact: Lania Fink, (503)274-9561, Store811@smithandhawken.com

### **Orengo Farmers Market**

NE Orengo Station Parkway and NE 61st, Hillsboro  
Second Sunday of every month  
Shifts: 9:30 a.m. – noon and 11:30 a.m. – 2:30 p.m.

Join Heidi Lambek (Class 39) tabling on recycling and Greener Cleaner (and worms later in the season). Times include set up and breakdown.

Contact: Heidi Lambek, (503)475-5850, oregontreehugger@gmail.com

## **Explorando el Columbia Slough**

Whitaker Ponds Natural Area, 7040 NE 47th Ave., Portland  
Saturday, June 20, 1 – 5 p.m.

This Spanish language environmental education festival includes bilingual storytelling, mural painting, face painting, bird watching, and free refreshments. Activities will be in Spanish and English. Provide curbside recycling information alongside Metro Recycling Information Center employees.

Contact: J Lauren Norris, (503)823-7530, masterrecycler@ci.portland.or.us

## **Smith Memorial Presbyterian**

2620 NE 223rd, Fairview  
Saturday, June 20th 7 – 8 p.m.

The Outriggers group of the church invites a Master Recycler to present on Recycling.

Contact: Sue Shaw, (503)666-1275, tomsue@earthlink.net

## **Sunday Parkways**

### **North Portland**

Sunday, June 21st 8 a.m. – 2 p.m.

What do recycling, bikes, and parks have in common? Join in Transportation's fun-filled opportunity to walk, bike, skateboard, run, and roll on 7.5 miles of traffic-free streets in North Portland. The route connects four parks - Arbor Lodge, Peninsula, Kenton and Willamette Bluff which each have fun activities. Two Master Recyclers will roll recycling roll carts through the course. Two will staff an information table at Kenton Park.

For more information on Sunday Parkways, please visit:  
[www.portlandsundayparkways.org](http://www.portlandsundayparkways.org)

Shifts:

Info booth: 8 – 11:30 a.m. and 11:30 a.m. – 2 p.m.

Cart walk: Flexible

Contact: Alicia Polacok, (503)823-7107, apolacok@ci.portland.or.us

**Don't forget to log  
your volunteer hours**  
Visit [www.masterrecycler.org](http://www.masterrecycler.org)  
and click on the Members tab.

## **Lake Oswego Festival of the Arts**

George Rogers Park S State St & Ladd St, Lake Oswego

Friday, Saturday, and Sunday June 26th, 27th, and 28th

Shifts: Friday and Saturday from 11:00 a.m.-8:00 p.m., and Sunday from 11:00 a.m.-5:00 p.m.. Three hours per shift.

Staff a recycling and waste prevention booth at this fun event.

Pete Marfell, (503)697-6273, petermarfell@comcast.net

## **Scandinavians Celebrate 81st Annual Midsummer Festival**

German American Cultural Center, 7901 SE Division, Portland

Saturday, June 27th 11 a.m. – 6 p.m.

Scandinavia is known for sustainable living. Join this fun event with music, dancing and games to talk about Portland's sustainable aspects, specifically Portland Recycles!

Contact for kit: Alicia Polacok, (503)823-7107, apolacok@ci.portland.or.us

Contact for event: Mike O'Bryant, (503)977-0275, shf-mike@mindspring.com

## **Good in the Neighborhood**

King School Park, 4815 NE 7th Ave, Portland

Saturday, June 27th and Sunday, June 28th

Shifts: 11:30 a.m. – 3:30 p.m. and 6 p.m. – 9:30 p.m.



Talk about recycling carts and waste prevention at Good in the Neighborhood, a multicultural music and food festival held annually in North/NE Portland. The festival features the best entertainment in the NW, a variety of cultural food vendors, an Information Village, a Kid Space arts and craft area, and an ethnic marketplace.

Contact: Alicia Polacok, (503)823-7107, apolacok@ci.portland.or.us

## **Job Opportunities**

### **City of Portland Bureau of Planning and Sustainability - Construction Debris Program Coordinator**

Support the City's goals for construction waste prevention, reuse and recycling. Check [www.portlandonline.com/jobs](http://www.portlandonline.com/jobs) for more information.

