



The EarthWISE Bulletin

The Sustainable Business Bulletin

Marion County

Volume 5, Issue 8

Autumn 2016

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Important dates:

- Sept. 22 Autumnal equinox
- Sept. 24 Cart to Art
- Oct. 20 Green Award nominations available
- Nov. 6 Daylight savings time ends
- Nov. 8 Election day
- Nov. 11 Veterans Day
- Nov. 15 REUSE! Film at Salem Progressive Film Series
- Nov. 24 Thanksgiving



Oregon Department of Environmental Quality announces grant funding for waste reduction

Local organizations encouraged to apply

The Oregon Department of Environmental Quality (DEQ) has just announced that nearly \$1.2 million in grant funding is now available for local waste reduction efforts.

The grants, made through the DEQ's Materials Management Grant Program, are targeted for projects designed to prevent, reuse, or recover solid and household hazardous wastes. Last year, the program awarded nearly \$600,000 to fifteen projects proposed by local governments.

Who's eligible? Until now, only local governments could receive grants directly, while non-profits frequently subcontracted with local governments to provide program services. However, for the first time non-profit organizations will be eligible to apply directly to DEQ to receive grants under rules adopted earlier this year. For-profit businesses will still be able to apply for a grant, but they'll need to partner with a non-profit to do so.

Applications will be accepted through October 31, 2016, with grants awarded by the end of December 2016. For application instructions and more information go to: www.deq.state.or.us/lq/sw/grants/.

During last year's grant cycle, DEQ awarded grants to 15 proposals totaling \$584,527. Marion County received \$215,425 of that amount to support four community organizations—Northwest Hub, Woodburn Habitat for Humanity ReStore, Marion-Polk Food Share, and Garten Services.

The Northwest Hub was awarded funds for their bicycle recycling and up-cycling project, which they hope to use to double their operational capacity. Currently, the Northwest



NW Hub plans to use a DEQ grant to expand opportunities to refurbish discarded bicycles while training folks to repair and reuse.

Hub reclaims and refurbishes unwanted bicycles and makes them available to the public at a low cost, as well as providing free commuter bikes to people in need.



A rainbow graces the entrance to the Marion Polk Food Share facility in North Salem.

The Woodburn ReStore will create a tool lending library with awarded funds. This project will allow for the affordable reuse of tools, thus eliminating the need to purchase new tools, particularly for short-term projects. It also contributes to waste prevention, recovery and reuse by using primarily donated tools that may otherwise end up being discarded.

Marion-Polk Food Share will use awarded funds for their food recovery program. Their goal is to increase their food recovery efforts by hiring a full-time driver for one year, which will enable them to recover more than 1 million pounds of nutritious food annually in Marion County.

Garten Services was awarded funds for plastic and non-ferrous recovery. This project will help improve the amount of aluminum and plastic recovered from residential and commercial commingled recycling at the North Salem Materials Recovery Facility. The award will help partially fund an eddy current sorter, which they estimate will keep 7.6 tons of recycle materials out of the Energy-from-Waste facility.

“We’re hoping that more and more organizations tap into this great opportunity for funding innovative ideas,” said Griselda Puga, a Waste Reduction Coordinator for Marion County, who coordinated the grant process for those non-profits last year. “Marion County has always been a leader in waste reduction and it’s the clever things people come up with that make it all happen,” she added.

Is your EarthWISE organization ready to go beyond basic recycling? Marion County has just the course for you....and it’s happening soon!

The Marion County Master Recycler Program provides expert instruction to people who live and work in Marion County. The class covers all aspects of solid waste management and ways to reduce, reuse, and recycle as much as possible and it’s starting **September 22!**

Join the Movement

Register today!
masterrecycler.net

Over 670 people have taken the Marion County Master Recycler class to learn about waste reduction, recycling, composting, and consumption. Become part of the team, and join the movement today!



Marion County Public Works | Environmental Services, masterrecycler.net, 503.588.5169



For more information about the upcoming September class visit www.MCRecycles.net, call 503-365-3191, or email environmentalservices@co.marion.or.us. The course is limited to 30 students and space is limited.

Motivate Your Employees to Save Energy

Free workshop for PGE business customers

Employees are crucial partners in achieving your energy efficiency goals. Come to this highly interactive workshop and leave with a plan to involve your employees in your efforts. This workshop builds on our Energy Champions Workshop, in which attendees learned the principles of developing an effective cross-functional energy reduction team.

This class will help you:

- Define your goals and objectives for engaging employees
- Create a program to meet your goals
- Identify available tools and resources
- Identify your audience and create awareness and desire – which leads to engagement
- Take advantage of available incentives and free services for energy-efficiency upgrades

Who will benefit?

Management and staff, who want to motivate others in their organization to save energy.

- Attendees of Energy Champions Workshop
- Maintenance supervisors and managers
- Facility and energy managers
- HR and training professionals
- Sustainability managers/coordinators

Instructor

Mark Hamilton, Principal, Triple Point Energy

Mark has assisted over 100 companies to successfully implement Strategic Energy Management. He was on the American National Standards Institute (ANSI) committee that helped develop the ISO 50001 Energy Management Standard, and is a Certified Professional in Energy Management Systems.



Sept. 29, 2016

8 a.m. to noon

Salem

Check in & continental breakfast at 7:30 a.m.

PGE Salem Service Center
4245 Kale Street NE
Salem, OR 97305

Free parking available.

Cost

Free to PGE business customers. Others may attend based on space; fee will apply.

Credits

- Chemeketa Community College: 0.4 CEUs
- IFMA: 4 CFM pts

Need special accommodations or assistance? Please let us know when you register.

Sponsored by:



For details and to register visit:

EnergyEducationCenter.com

Questions? Email PGE.Seminars@pgn.com
or call 503-464-2931

Time to recertify already?
These EarthWISE businesses did



**Chemeketa Center for
Business & Industry
2013 - 2016**



**DAS North Mall building
2010 - 2016**



**Bentley's Grill
2008 - 2016**



**D & O Garbage & Recycling
2008 - 2016**

More EarthWISE recerts



Jet Industries, Inc.
2010 - 2016



Grand Hotel in Salem
2008 - 2016



ABC Window Cleaners & Building
2011 - 2016



The Garden Angels
2009 - 2016

COMMUNITY RADIO
KMUZ

Tune into the latest stories about the 3R's
Waste Matters: On the Air



An EarthWISE business or special waste reduction guest is featured every second & fourth Thursday at 1:00 pm to chat about their interesting and innovative waste reduction programs! Can we talk to/about you? Give us a call at 503 365 3188.

100.7 FM www.kmuz.org
88.5 FM

Ask Mister Sustainability

It seems like there has been a major shift in lighting. For the last few years we've been told to switch from incandescent lights to fluorescents. Now it's all about LED's. Is that really the future of lighting?

Those little incandescent light bulbs we all know and love have actually been around for over two hundred years. While the guts on the inside of the bulb have been swapped around and improved upon over the years, the basic bulb has been relatively the same for most of the past century.

However, the incandescent bulb has one really major flaw—it's terribly energy inefficient. Less than 10% of the electrical power supplied to it is converted into visible light; the rest is lost as heat.



The holy grail for many in the energy world was to find a better bulb to replace it with...and in a hurry. Booming worldwide electrical demand over the past 50 years has been a powerful driver to discover new ways to boost efficiency across all areas of the energy spectrum and lighting has been no exception. Thus, technology, given where it was about thirty years ago, created the compact fluorescent lightbulb (CFL) to be the successor to the incandescent.

While public reception to the CFL was fairly lukewarm, between government and corporate incentives to reduce CFL prices and a steady increase in the price of electricity, the CFL became the go-to bulb for quick energy savings. And, happily, during this time the ubiquitous T-12 fluorescent lamps began to be replaced with the much more efficient T-8s (and later T-5s) in commercial and industrial settings; again, lighting loads were greatly reduced.

Yet, the general public has not learned to love the CFL: it contains mercury, it gives off weird colors, it takes time to “warm up”, it doesn't work well in cold weather, it easily shatters, it's kinda ugly. History may well declare the “CFL era” as a transitional phase in lighting... replaced by the light emitting diode (LED) bulb.

The mass introduction of LED lighting over the past decade has been nothing short of revolutionary. As prices drop, these semiconductor marvels have steadily replaced CFL and incandescent bulbs, offering numerous advantages such as:

- higher efficiency (nearly twice that of fluorescents)
- tolerant of cold temps
- longest lifespan of all types

Story continues on page 8

Factoid Department

The City of Portland, Ore., has banned the demolition of homes built before 1916; however, deconstruction and salvage is allowed. It's figured to divert 4,000 tons of material a year.

Further north, Tacoma has become the latest city to ban plastic shopping bags. Starting next summer, you'll need to bring your own or pay a 5¢ fee for a paper bag.

Recycling availability? Researchers tell us that curbside recycling is now available to 73% of the American public.

The other 27% might be found on a trip to Arkansas.

Need Paint? Marion County folk recycled over 38,000 gallons of the stuff last year. It's mixed and given away for free at either of the two Marion County Transfer Stations.

What color is it? Beige-grey-ish.

Any guess as to the most recycled item in the United States is? That would be lead automobile batteries.

At virtually 0 GW back in 2000, solar panels in the U.S. now deliver 29 GW of electricity—roughly equal to 60 coal-fired power plants.

Experts predict that figure to be 100 GW by 2020.

Is this happening at light speed?

EarthWISE Member Directory

* Denotes new EarthWISE business

Automotive

AJ's Auto Repair, Inc.
Brooks Automotive
Capitol Auto Group
Sanford Automotive

Construction

Advantage Precast, Inc.
Arbuckle Costic Architects, Inc.
Barnwood Naturals, LLC
Carlson Veit Architects, P.C.
CB | Two Architects
dalke Construction
Fluent Engineering, Inc.
Jet Industries
LCG Pence Construction, LLC
Modern Building Systems, Inc.
Nathan Good Architects
Pence Northwest Construction, LLC
Studio 3 Architecture, Inc.
White Oak Construction

Education

Chemeketa Community College
Chemeketa Center for Business & Industry
Straub Environmental Center

Financial

Country Financial
Northwest Farm Credit Services
SELCO Community Credit Union

Food

Bentley's Grill
BrucePac - Silverton & Woodburn Plants
Cascade Baking
Kerr Concentrates, Inc.
LifeSource Natural Foods
NORPAC Foods - Stayton, Brooks, & Salem Plants
Rafns'
Spring Valley Dairy
Willamette Valley Fruit Company

Government

Champoeg State Heritage Area
Marion County Dog Shelter
Marion County Public Works—Silverton Road Campus
OR Department of Administrative Services- 20 Buildings
OR DAS - Salem Motor Pool
OR DAS - Property Distribution Center
OR Dept. of Corrections (DOC) CDC/Warehouse
OR DOC Gath Road Range
OR DOC Mill Creek Correctional Facility
OR Santiam Correctional Facility
OR State Corrections Institution
OR DOC State Penitentiary
OR Department of Energy
OR DMV Headquarters OR Exposition Center
OR Dept. of Public Safety Standards & Training
OR Lottery
OR State Capitol
Salem Center 50+
Salem Civic Center
Salem Fire Department
Salem Housing Authority
Salem - Information Technology
Salem - Public Works Willow Lake WPCF
Salem Shops
Salem - Urban Development's Airport Division
Salem - Urban Development's Director's Office
Salem Public Library

Landscaping

DeSantis Landscapes, Inc.
The Garden Angels
Green Acres Landscape, Inc.

Medical

Holly Chamberlain D.D.S., L.L.C.
Chiropractic Physicians, P.C.
Spinnaker Pediatric Dentistry *
Willamette E.N.T. & Facial Plastic Surgery, LLP

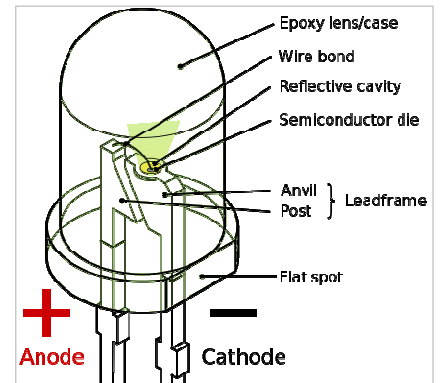
Not For Profit

Assistance League of Salem - Daue House
Assistance League of Salem - Encore Furniture
Center for Hope & Safety
Family Building Blocks
Garten Services, Inc.
Habitat for Humanity of the Mid-Willamette Valley

Not For Profit (Continued)	Recycling/Solid Waste
<p>Marion-Polk Food Share SAIF Corporation Saint Mark Lutheran Church Temple Beth Shalom Unitarian Universalist Congregation of Salem United Way of the Mid-Willamette Valley Willamette Lutheran Retirement Home</p> <p style="text-align: center;"><u>Personal Services</u></p> <p>Designer Cut Phiz Spa</p> <p style="text-align: center;"><u>Professional/Services</u></p> <p>AAA Cleaning Service - Metro, Inc. ABC Window Cleaners & Building Maintenance Allied Video Productions Cascade Employer's Association Collier Law Compex Two Computers Lancaster Mall Operations Law Office of Eden Rose Brown VanNatta Public Relations/Spire Management</p> <p style="text-align: center;"><u>Real Estate & Commercial Properties</u></p> <p>The Epping Group/Creekside Corporate Center Pringle Creek Community Wildwood Mahonia</p>	<p>Agri-Plas, Inc. Covanta Energy, Marion Facility D & O Garbage Service Inc. Loren's Sanitation & Recycling Services Marion Recycling Center North Marion Recycling & Disposal Pacific Sanitation</p> <p style="text-align: center;"><u>Retail/Wholesale</u></p> <p>Cooke Stationery Co. Habitat for Humanity ReStore One Fair World</p> <p style="text-align: center;"><u>Tourism/Entertainment</u></p> <p>Grand Hotel in Salem Salem Convention Center Salem Riverfront Carousel Travel Salem</p> <p style="text-align: center;"><u>Transportation</u></p> <p>South Salem Cycleworks Salem Keizer Transit</p>

- emit virtually no heat
- turn on instantly
- have the capability to “talk” to other electronic devices

And it's that last characteristic that has the electronic world excited. Just imagine, LED auto headlights with the capacity to not only automatically dim when other cars approach, but can also selectively dim the light so that it doesn't blind the on-coming driver while maintaining the light on the roadway. A person driving such a car might not even notice that the lights had dimmed!



The really amazing thing? That “talking ability” isn't a pipe dream....it's possible right now.

And by the way, should your LED light eventually die, its metal circuitry can be recycled. In Marion County, LED lamps can be placed in the electronics recycling area at either County Transfer Stations. For more information just go to apps.co.marion.or.us/recycle .

How cool is that?

