

Going Beyond Green



Trash Talk
Fall Edition inside!

Fall 2010 Edition

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www.clackamas.us/sustainability

Clackamas County launches ENERGIZE

The ENERGIZE umbrella of programs invests in existing buildings and new construction to encourage and reward energy upgrades, help homeowners lower energy bills or improve their home's performance, and reduce the cost of operating public buildings.

Energy efficiency 'retrofits' such as adding insulation, sealing and caulking air leaks, or replacing windows, furnaces and water heaters, can lower costs while adding value and comfort. According to U.S.

residential energy consumption surveys, annual energy costs for an average single-family home in areas with our climate type were approximately \$2,100, in 2005. (Energy costs for apartments, condos, and mobile homes are typically lower.) Energy costs have continued to increase.

For many homeowners, energy costs exceed property taxes.

Six of Clackamas County's ENERGIZE programs are funded by a \$3.1 million Energy Efficiency and Conservation Block Grant (EECBG), a federal program established in 2007 and funded for the first time by the American Recovery and Reinvestment Act (ARRA) of 2009. These programs provide incentives to upgrade homes and businesses, and are in addition to existing incentives including those from Energy Trust of Oregon (ETO), the Oregon Department of Energy (e.g. Business and Residential Energy Tax Credits), and the federal income tax credit.

The county's existing income-qualified Weatherization program also received funds through ARRA which will allow more homes to receive energy retrofits.

Look inside

Details on these programs can be found in the following pages. Hopefully many county residents will be able to take advantage of the incentives to retrofit their homes, reduce their use of energy and improve comfort.

Note that Clackamas County offers these programs throughout the county except within the City of Lake Oswego, which received its own EECBG funding.



ENERGIZE

CLACKAMAS COUNTY
ENERGY PROGRAMS

The seven programs under ENERGIZE are:

- Green Building Incentives - new and existing homes
- Energy Efficiency on Main Street
- Energy Efficiency in Public Buildings
- Energy Efficiency Education and Outreach
- Revolving Loan Fund for retrofits
- Solar on a public building
- Income-Qualified Weatherization

LOCAL. CLEAN. RENEWABLE.

Do you tweet?



Clackamas County is now using social media sites to keep the public informed about issues, noteworthy events and other information. You can find Clackamas County on Facebook and Twitter. Now, follow news and updates from the county's sustainability program on [Twitter.com/LivablClackamas](https://twitter.com/LivablClackamas). Or for more information about Clackamas County's sustainability program, check out our website at www.clackamas.us/sustainability.



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

PRSR STD
U.S. POSTAGE
PAID
PERMIT NO. 700
PORTLAND, OR
ECRWSS

POSTAL CUSTOMER



\$45

Multiple barrels
may be purchased

55-gallons

Rain Barrel Sale

**December 2
December 3
December 4**

Oregon City

**You must reserve your
rain barrel(s) ahead
of time.**

See back page for details.

Get cash incentives for energy efficiency

New Homes - double your \$\$

Qualifying owner/builders can get rebates that match Energy Trust of Oregon (ETO) incentives up to \$4,000. A builder must enroll as an ETO Trade Ally. ETO will work with builders to help design, test, certify and provide marketing assistance for their homes. A home must exceed energy code requirements and can include those that are certified as Energy Star, Earth Advantage, LEED and Oregon High Performance Homes.

Each new home will receive an **Energy Performance Score (EPS)**. The lower the score, the more efficient the home. The EPS establishes the amount of the incentive received from ETO and Clackamas County.

EPS Factors

- Improved insulation and windows
- Well-sealed ductwork
- Efficient appliances and lights
- Heating, cooling and ventilation equipment
- On-site energy generation



Mike O'Brien

For more information on ETO's New Homes Program, call Ralph Morgan, Building Outreach Coordinator, at 503-968-7160 x22. For more information on ENERGIZE program rebates, contact Michael Piper at 503-742-4468.

Existing Homes

"Savings Within Reach"

A new program from Energy Trust of Oregon (ETO) is available for moderate-income homeowners and renters to weatherize their homes. In this program, increased rebates will offset the cost of installation of select energy efficiency measures to customers meeting household income guidelines (see chart).

In addition to incentives offered by ETO, the county will match the "Savings Within Reach" rebate up to \$1,000 per home. This payment will be made to the contractors directly, who will discount the customer's bill and lower the out-of-pocket expense of the install. Homes heated by PGE or NW Natural qualify for this program.

Renters are eligible but must obtain landlord approval in advance. An ETO approved "Savings Within Reach" participating contractor must perform the work.

"Savings Within Reach" Annual Household Income Guidelines		
Household size	Minimum	Maximum
1 resident	\$21,660	\$27,075
2 residents	\$29,140	\$36,425
3 residents	\$36,620	\$45,775
4 residents	\$44,100	\$55,125
5 residents	\$51,580	\$64,475
6 residents	\$59,060	\$73,825
7 residents	\$66,540	\$83,175
8 residents	\$74,020	\$92,525
Each additional	\$ 7,480	\$ 9,350

To participate in "Savings Within Reach," contact Energy Trust of Oregon at 1-866-368-7878. For information on ENERGIZE Clackamas County, contact Michael Piper at 503-742-4468.

Eligible Measures	
Measure	ETO Rebate *
Insulation - Attic, wall, floor	\$550 each
High-efficiency heat pump upgrade	\$550
High-efficiency heat pump replacing existing electric furnace	\$750
Ductless heat pump	\$600
High-efficiency gas furnace	\$550
Duct sealing	\$400
Air sealing	\$350
Duct test	\$35 each
Air leakage test	free

* This amount is available from ETO. Clackamas County will match it up to \$1,000 total.



"Savings Within Reach" program Example of \$avings for a 1,200 square foot home

Work performed: insulation in walls, ceiling, floors
duct sealing
air sealing

Cost: \$4,915

Incentives: \$2,435 ETO
\$1,000 Clackamas ENERGIZE
\$1,500 Federal Tax credit *

Out of pocket: \$0.00

*Federal tax credit may end or change 12/31/2010. This is an example of a typical retrofit; your project will vary depending upon the measures chosen and incentives in place at time of work.

Umpqua Bank's GreenStreet Lending program offers loans to finance retrofits. Contact them at 1-866-790-2121.

More ca\$h incentives and energy-saving tips

County income-qualified Weatherization program

County services are a 'big help' for elderly resident

Ann Hupp is delighted with the new electric furnace and weather-stripping the county installed in her home last year. "It's a big help," said Hupp, who lives in downtown Milwaukie. Hupp, 89, had been trying to keep her house warm with a woodstove.

After performing an energy audit, the county's weatherization staff assessed the situation: "Elderly homeowner, wood heat, safety hazards, and an inability to carry in fire wood." The solution? An electric panel upgrade, a new electric furnace and ductwork, and measures to stop air leaks and provide a safer, more comfortable environment.

Weatherization services are free for qualified households and include insulation, weather-stripping, and more, depending on the condition of the home. To qualify, residents must meet federal low-income guidelines.

The County's Weatherization program received some additional money from the federal American Recovery and Reinvestment Act which allows them to assist more residents. For more information, call 503-650-3338.



ETO ca\$h incentives for all PGE and NW Natural Customers

All homeowners are eligible for Energy Trust of Oregon (ETO) rebates to help them make energy-saving home improvements. All improvements, except installation of attic/ceiling and floor insulation and electric water heaters, must be installed by an Energy Trust contractor, or any other licensed contractor with a current Oregon Construction Contractors Board license.

If you plan to install your own attic/ceiling or floor insulation or electric water heater, call ETO before beginning work to receive pre-approval.

Oregon Department of Energy tax credits and federal tax credits may also be available. Call ETO at 1-866-368-7878 or visit www.energytrust.org/hes.

Not a PGE or NW Natural heating customer?

Canby Public Utility District customers can contact Canby Utility at 503-266-1156 for a current list of incentives.

County residents who heat with oil, wood or propane can contact the State Home Oil Weatherization (SHOW) program. SHOW incentives equal 25% of the cost (up to \$150 to \$500 per qualified measure) with a total maximum of \$500 per household while funds last. For more information call 1-800-221-8035 or visit www.oregon.gov/energy.

Additional ca\$h incentives from Clackamas County's ENERGIZE program

For those not eligible for "Savings Within Reach," ENERGIZE will provide \$150 cash rebates for each of the following conservation measures: attic insulation, wall insulation, floor insulation, air sealing (with testing) and duct sealing (with testing).

Participants must first apply for incentives/rebates from ETO, SHOW or Canby Public Utility, and then apply to the Clackamas County ENERGIZE program for additional rebates. ENERGIZE incentives are available to all county residents outside the City of Lake Oswego (Lake Oswego received its own federal EECBG funds).

For more information on these programs, contact Michael Piper at 503-742-4468 or Kelly Sumetz at 503-742-4460.



Contractor blows insulation into the walls of a home.

Examples of \$avings available to all income levels

Example 1: 1,200 sq foot home

Measures:	wall, ceiling, floor insulation duct sealing air sealing	
Cost to install:	\$4,915	
Incentives:	\$1,915	ETO
	\$ 500	Clackamas ENERGIZE
	\$1,500	Fed Tax Credit*
Balance:	\$1,000	

Example 2: 1,400 sq foot home

Contractor-installed ceiling insulation (1400 sq ft)

Cost to install:	\$1200	
Incentives:	\$350 (ETO @ \$0.25/sq ft)	
	\$150 Clackamas ENERGIZE	
	\$360 Fed Tax Credit*	
Balance:	\$340	

Self-installed ceiling insulation (1400 sq ft)

You must contact ETO before beginning work for pre-approval of self-installed measures in order to qualify for ETO incentives.

Cost to install:	\$400	
Incentives:	\$350 (ETO @ \$0.25/sq ft)	
	\$ 50 Clackamas ENERGIZE	
Balance:	\$0	

*Federal tax credit may end or change 12/31/2010. These are examples of a typical retrofits; your project will vary depending upon the measures chosen and incentives in place at that time.

Umpqua Bank's GreenStreet Lending program offers loans to finance retrofits. Contact them at 1-866-790-2121

Energy Efficiency on Main Street helps businesses save money on utilities



Clackamas County's Main Street program and Office of Sustainability have begun to help county businesses save money on utilities. The Energy Efficiency on Main Street (EEMS) program provides free energy audits, resource information, and rebates for businesses in designated Main Street districts. The process was recently modified to help more businesses take advantage of grant funds.

Brigette Romeo, owner of the Still Creek Inn in Rhododendron, built in 1965, is

pleased with her restaurant's lighting retrofit. Replacing 36 T-12 indoor and outdoor lights with more efficient T-8s, and adding motion sensors in the restrooms, will save her approximately \$800 a year on electricity.

No out-of-pocket costs

The \$4,900 project cost was covered by a combination of EEMS funds and incentives from the Energy Trust of Oregon (ETO). EEMS is funded by the Energy Efficiency Conservation Block Grant awarded to Clackamas County as a part of the American Recovery and Investment Act of 2009. "At first I thought it was a matching grant, but the rebate paid for the whole thing," said Romeo.

After the ETO audit, Romeo filled out the application online. "I didn't have any problem with the paperwork -- I just got in touch with county project assistant Samantha Honl when I had a question."

I was surprised that all the work could be done in one day and I did not have to close the restaurant," said Romeo. She is thinking about applying for another chunk of Main Street money to upgrade the restaurant's refrigeration.

Businesses in designated Clackamas County Main Street districts in Canby, Damascus, Estacada, Happy Valley, Lake Grove, Lake Oswego, Milwaukie, Molalla, Oregon City, Sandy, West Linn and the Villages of Mt. Hood are eligible. Twenty-one businesses have begun the process. For more information on the Main Street programs, visit www.clackamas.us/business/mainstreet or call 503-742-4304.



Owner Brigette Romeo enjoys the upgraded lighting

Public buildings save energy and dollars

County building retrofits underway!

In our spring edition we reported that Clackamas County had applied for energy retrofit funds for local governments, from the State Energy Program. A \$400,000 grant was awarded for upgrades to nine buildings totaling 156,000 square feet. The funds will provide for two boiler replacements, six lighting retrofits, three insulation upgrades, and three complete window replacements.

Expected annual energy savings range from \$60,000 to \$75,000. The projects will support the equivalent of at least five full-time jobs for a year, among both contractors and the county's Facilities Management staff. For example, the county is hiring electricians to deliver the lighting retrofits.

Energy audits for more buildings

Energy Trust of Oregon has recently completed assessments of eight county buildings, from the County Courthouse to the Data Center. Once ETO recommendations and incentives are received projects will be prioritized. Retrofits will take place over the next two years, adding more jobs to the local economy.



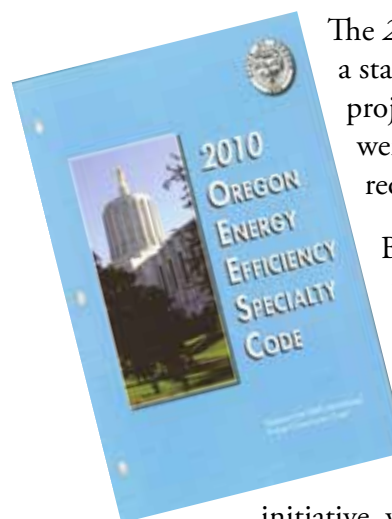
Old assessor's building gets new energy-efficient windows in preparation for new occupants.



Installing ceiling insulation where none existed previously

New building codes promote energy efficiency

The Oregon Building Codes Division recently adopted two new codes related to energy efficiency. The *2010 Oregon Energy Efficiency Specialty Code* (OEESC) is a new code that reduces energy use in new commercial construction by more than 15% over the 2007 code.



The *2010 Oregon Solar Installation Specialty Code* creates a statewide standard for the installation of new solar projects. This will help solar installers, who previously were subject to varying interpretations of permit requirements for solar projects across the region.

Both codes, effective October 1, 2010 will help to integrate energy efficiency and green building techniques into Oregon's built environment. The division also is working on electric vehicle charging infrastructure and water conservation, including rainwater harvesting and gray water systems. For more information on the state's green building

initiative, visit www.cbs.state.or.us/bcd/green

\$1.7 million saved

CCC optimizes energy use

Through a series of projects aimed at universal system optimization Clackamas Community College has saved \$1.7 million in energy costs since 2005. Lead Campus Plant Engineer, Hilmo Ljucevic, focused on intelligent system design to optimize energy use.

The projects included tuning up the college's natural gas boilers, revising control sequences to operate on a scheduled start-up and cool-down system, and optimizing heating and cooling processes to minimize



on-peak demand costs. Also a digital control system was implemented, which enables the engineering team to control energy use in individual rooms on campus from a central location (or even a cell phone). This way the college reduces unnecessary energy use and can rapidly respond to staff questions about room temperature or air quality.

Monitoring controls from the deconstructed

Harmony Campus buildings have been salvaged and redesigned to operate on existing buildings on the Oregon City Campus. Energy cost savings were used to fund a new energy efficient lighting system in the college's gym. Additionally most projects were carried out by Campus Services staff including Ljucevic, Rodney Osterhoudt and Jeff Tapp, to save costs. The projects utilized equipment and techniques that greatly decrease the need for maintenance and repair which leads to further long term savings.

Noting the potential of renewable energy to reduce energy costs, the college has installed solar panels on the roofs of several buildings to provide hot water and experimented with ground-source cooling, solar and wind power. Improving energy system infrastructure campus-wide is one example of Clackamas Community College's leadership and commitment to sustainability.



Hilmo Ljucevic checking solar panels on a campus roof

County welcomes its first solar project

Clackamas County is about to construct its first solar array atop its LEED-rated Development Services Building in Oregon City — thanks to a U.S. Department of Energy block grant, which is covering the entire cost.

Expected to generate approximately 67,000 kilowatt hours in its first year, the \$350,000, 270-panel project will have many benefits. "It will help reduce greenhouse gas emissions and dependence on coal imported into Oregon," said Senior Sustainability Analyst Eben Polk. "Since the energy will be generated on-site and used locally, it will also avoid the loss of energy associated with long-distance grid transmission."

Local jobs

There are more local benefits, too. The project will support an estimated 1,050 hours of construction and installation jobs. The solar panels and electrical equipment used in the array will be certified USA-made.

PGE "Solar Payment" program

The county is one of several to enroll a solar project in PGE's new "Solar Payment" program. The program is a state-wide pilot in which utilities pay solar power producers (such as the County) based on actual energy production, through a fixed 15-year contract. Many homeowners and businesses in Clackamas County are participating in the PGE program (see table).

By the Numbers: Clackamas County enrollees in PGE's Solar Payment Incentive Program	
Solar system size (kW)	# of participants
10	54
10.1-50	4
50.1-100	11
All systems	69

Proposed projects must apply to participate during two enrollment dates each year. The amount of the incentive payment is reset from one round to the next. Incentive payments generated by the county's solar production will be invested in further energy efficiency and

Workshops and Resources

Energy efficiency

Learn to save energy in your home or in your community.

Clackamas County's **ENERGIZE** program offers workshops on practical energy saving ideas, low-cost strategies, or cash incentives for energy efficiency retrofits to your home or business. Contact Michael Piper, 503-742-4468.

Energy Trust of Oregon provides energy tips and cash incentives for new and existing buildings. Visit www.energytrust.org or call 1-866-368-7878.

PGE has helpful tips at www.PortlandGeneral.com/Save.

NW Natural provides tips at www.nwnatural.com

Solar

For answers to your questions about solar projects, workshops, tours, and more, contact Solar Oregon. Visit www.solaroregon.org or call 503-231-5662.

Green Building

Regional Green Building Hotline provides comprehensive green building resources and technical information. Visit www.buildgreen411.com or call 503-823-5431

Earth Advantage Institute offers basic and advanced courses on building, marketing, and valuing green homes and commercial spaces. Visit www.earthadvantage.org or call 503-968-7160.

solar projects. "During this down economy, speeding the development of renewable energy is keeping energy dollars and jobs at home, helping to mitigate the threat of climate change, and ultimately benefiting the bottom line," said Polk.

At the Development Services Building, energy block grant funds may also be used to implement additional lighting controls, allowing more interior lights to remain off at night.

West Linn–Wilsonville Schools start Farm-to-School project

Talk about hands-on education. Students in the West Linn-Wilsonville School District have a unique opportunity to grow food for themselves and others. The district owns a 10-acre parcel of land that is being developed into a “classroom” for students to learn about wellness, sustainability, citizenship, research, and leadership.

Bob Carlson, director of the district’s well-known Center for Research in Environmental Sciences and Technologies (CREST), was a natural choice to coordinate the program. Carlson has found farmers and other volunteers to help with the farm and has contacted a number of interested agencies, including Clackamas County, the OSU Extension Service and Metro.

Following is a “progress report” from Nell Achtmeyer, a district sustainability coordinator working with Carlson.

Q: What was planted last spring?

A: Staff from CREST and students throughout the district helped to plant a small garden consisting of a variety of vegetables, such as tomatoes, ground cherries, squash, greens, peas and pumpkins, as well as flowers.



Q: What (and how much) is being used in the school cafeterias?

A: Weekly deliveries of vegetables have begun to be integrated into the cafeterias on an experimental basis. Students are receiving education about the fresh produce and are invited to try it or add it to their lunches.

Q: How do students feel about it?

A: Reaction has been great and students love to make the connection between what they are eating and CREST, a place they have been involved with for a good portion of their time in the district. Students are slowly becoming more involved, especially through opportunities for student voice during the

site planning process. We are also coordinating and finding ways to support some high school independent projects.

Q: Are there jobs for all levels of students (K – 12)?

A: We are directing our efforts and energy to support learning around Farm-Based/Garden Based Education and its application to classroom projects and curricula as much as possible. Supporting the district’s Health and Wellness and Sustainability initiatives also is an important goal. We hope to develop these connections for all levels of students.

Mini-grants produce maximum results for county operations

Last year the County’s Office of Sustainability started a mini-grant program to encourage sustainable practices proposed by employees throughout the County.



Durable dishware at the WFI cafe

The projects focused on internal operations and delivery of services. Employees eagerly responded with 14 proposals. Eight were funded.

A grand total of about \$16,000 in mini-grant funds helped produce savings of time, energy and materials valued in excess of \$36,000 annually, while:

- Avoiding the use of more than 14,000 disposable cups, plates, bowls, lids, coffee cup sleeves, food containers, disposable plates and bowls.
- Increasing recycling by providing recycling containers for about 15,000 gallons of bottles and cans in parks.
- Saving 296,000-plus pieces of paper and envelopes.
- Composting up to 2,500 pounds of food waste.
- Conserving 585,000-plus gallons of water.

“Our first year’s experience indicates that mini-grants are a cost-effective way to promote more efficient practices and an excellent tool for promoting the awareness and vision it takes to build a more sustainable organization,” said Senior Sustainability Analyst Eben Polk. “Lower overhead costs and less waste means delivering more services per dollar.”

Some of the first-round mini-grant projects:

The North Clackamas Parks & Recreation District bought modems to remotely connect to irrigation controllers in three parks. The controls save water by adjusting for expected rainfall and save trips to adjust controls.

The Milwaukie Center purchased two tumbler-style composters to compost food waste from the Meals on Wheels program. The compost will be used in the Center’s community garden.

Community Solutions purchased durable dishware for its Working for Independence café and events in the Development Services Building.

Water Environment Services is implementing electronic billing, allowing their customers and the agency to save on postage and paper.



Type of composter used at Milwaukie Center



Metro offers Nature in the Neighborhoods grants

Does your favorite natural area need a little love? Does your school need money for trips into nature? Do you have an idea that will help local rivers and streams?

Metro’s Nature in Neighborhoods restoration and enhancement grants connect people to their neighborhoods, natural areas, backyards and beyond. Metro looks for thoughtful projects that help strengthen the community, involve residents and deliver results. Proposals are accepted from nonprofits, or from an individual, business or group that has an agreement with a nonprofit fiscal agent. A pre-application is the first step. The deadline to submit a pre-application is 4 p.m. Tuesday, Jan. 18, 2011.

Funding requests can range from \$5,000 to \$25,000 for hands-on activities and environmental education programs that protect and contribute to watershed health in Clackamas, Multnomah and Washington counties. Visit Metro’s website and review the program information packet for more details: www.oregonmetro.gov/grants.

Take the Pledge for Watershed Health

Water Environment Services (WES), on behalf of Clackamas County Service District No. 1 (CCSD #1), has partnered with Clackamas, Milwaukie and Rex Putnam high schools to educate and empower the community to protect our precious natural resources.

CCSD#1, with guidance from local college and high school educators, developed curriculum that is being used this fall in science-related classes. It focuses on protecting local watersheds, rivers and streams; issues related to water quality; and the importance of surface water management.

Soon students will be out in the community sharing what they learned and asking citizens to take the Pledge for Watershed Health. Pledge participants will have the opportunity to be recognized on the WES RiverHealth website and to get an "I'm protecting our WATERSHED" sign for their property.

To find out more about CCSD#1 efforts to protect local rivers and streams, or to take the pledge, visit www.RiverHealth.org or call 503-742-4561.



Interns urge community to get involved in watershed health

Dear Fellow CCSD #1 Customers,

The summer 2010 Water Environment Services (WES) Interns would like to share with our community what we have learned and how we have benefited from our recent internship with WES. We learned why watershed health is important to our community, some helpful tips to adopt and live by to keep the watershed healthy, and how to get involved in the community. We appreciated this opportunity and will continue to use the knowledge we have gained throughout our lives.

Watershed health is important in our community because it provides wildlife with healthy habitats, the community with clean drinking water and healthy fish to eat, and a clean place to swim and enjoy water sports.

Keeping our watershed healthy will provide people, plants, and animals with a healthy place to coexist now and in the future.

We have been working on numerous projects this summer that you will see in our community, including the "Take the Pledge for Watershed Health" campaign, public service announcements that will be shown on the County Cable Channel, marketing and educational materials, and curriculum that will be used in our classrooms this school year.

Please join us by getting involved in protecting our rivers and streams through tree restoration activities, invasive species removal, litter patrol, touring a local water treatment facility, taking the watershed health pledge, or attending a local watershed council meeting and becoming a member. For more information, visit www.RiverHealth.org.

Here are some easy tips to keep our local watersheds healthy.

- Do not dump anything down storm drains.
- Use eco-friendly pesticides, fertilizers and gardening supplies.
- Conserve water by taking shorter showers, limiting watering of yards, plants, and flowers, and by using rain barrels to collect rain water to use for watering.
- Pick-up pet waste from yards.
- Use a carwash or wash your car on the lawn.
- Remove invasive species such as blackberries and replace with native plants.

Once again, we would love to thank Clackamas County and Water Environment Services for this opportunity.

Sincerely,

Dillon Martin, Milwaukie High School
 Kelsi Niece, Clackamas High School
 Kayla Seals, Clackamas High School
 Nico Jacobs, Clackamas High School
 Neysa Daquilante, Milwaukie High School



Clackamas County Service District No. 1

Pledge Card

I pledge to protect my watershed, public health and the environment by:

<input type="checkbox"/> Attend or become a member of a local watershed council	<input type="checkbox"/> Maintain a healthy and diverse streamside by learning to identify and remove invasive plant species and replace with native plants	<input type="checkbox"/> Check here if you do not want to be added to our monthly e-newsletter list.
<input type="checkbox"/> Organize a neighborhood or community group and sponsor or participate in a watershed health improvement project	<input type="checkbox"/> Wash your car on your lawn or at a local carwash	<input type="checkbox"/> Check here if you do not want your pledge included on our Website.
<input type="checkbox"/> Pick up your pet waste and dispose of it in the garbage	<input type="checkbox"/> Do not dump anything down a storm drain	
<input type="checkbox"/> Keep grass clippings, litter and other debris from storm drains, streams and ditches	<input type="checkbox"/> Utilize rain barrels or rain gardens to collect and/or treat stormwater runoff from your rooftop or driveway	
<input type="checkbox"/> Minimize the use of fertilizers, pesticides and other home/garden chemicals	<input type="checkbox"/> Practice water conservation techniques	


www.riverhealth.org/pledge

Name _____
 Address _____
 Email _____
 Watershed _____



WES offers paperless billing

Water Environment Services (WES) is committed to green practices. WES now offers paperless billing to wastewater and surface water customers. Clackamas County Service District No. 1 (CCSD #1) and Surface Water Management Agency of Clackamas County (SWMACC) customers now have the option to receive their monthly bill through email rather than by mail.

WES received a \$5,000 grant from the Clackamas County Office of Sustainability in support of this project. The Office of Sustainability offers grants to county departments for projects that:

- Promote energy efficiency or prevent greenhouse gas emissions
- Promote efficient use of water and other natural resources
- Measurably reduce or prevent waste or toxics
- Increase recycling recovery or purchase materials that are made from recycled materials
- Work toward delivering services or information to citizens more efficiently.

This exciting new service will allow WES to save approximately \$22,000 annually and provide a service customers have been requesting. For more information, or to sign-up for paperless billing please visit www.RiverHealth.org.

Clackamas County Service District No. 1 (CCSD #1) provides wastewater collection/treatment, water quality protection and activities to improve watershed health to the unincorporated areas of Clackamas County, the City of Happy Valley, the western edges of Damascus, and the communities of Hoodland, Boring and Fischer's Forest Park. In addition, the District provides wastewater treatment services to the City of Milwaukie, parts of Gladstone and Johnson City under wholesale contract agreements.

Tips for a sustainable holiday season

Make the holidays more meaningful. Challenge yourself to reduce waste, save energy, and help someone in need this holiday season.

First, think about giving gift cards, gift certificates and event tickets. These thoughtful gifts will cut down on wrapping, packaging and shipping costs -- and will keep bringing smiles after the holidays are over.

Shop locally. Clackamas County and its cities have a wealth of stores, restaurants, specialty classes, and businesses such as spas, hotels, ski areas and golf courses. Spending your money here helps our county stay economically vibrant.



Eat local food. Think cheese, wine, nuts, apples, honey, squash, poultry and fish, to name just a few. Clackamas County and the Willamette Valley are the source of wonderful ingredients for your holiday table. Check origin labels when you shop.

Planning an event? Donate un-served food to food rescue agencies. To find them, turn to Metro's "Fork it Over!" program at ForkItOver.org or by calling 503-234-3000. Many food rescue agencies can pick up extra food "on-call" in refrigerated trucks. You are protected against liability by state and federal Good Samaritan Laws.

Save energy on lighting. Cut back on lighting and displays that gobble up energy. If you do use lighting, look for LED lights. They cost a bit more but they last longer and use far less electricity.



Give to local charities. Help others get through times of crisis. Get the kind of joy that comes from knowing that you can feed a hungry person, provide help for the homeless or find a gift for a child or a senior citizen. Picking out charities as a family will help your children better understand the meaning of the season.

Volunteer to help others. Check www.clackamas.us/misc/volunteer.htm for a variety of volunteer opportunities. It is a wonderful chance to give back during the holidays and all year long.

\$100 Rebate available for a new high-efficiency toilet

You may be eligible for a \$100 rebate on a toilet – and start saving thousands of gallons of water a year. Check it out:

You must receive water from one of the following public water providers: City of Gladstone, City of Estacada, City of Oregon City, Oak Lodge Water District, Sunrise Water Authority (Happy Valley and Damascus) or the City of West Linn.

The new toilet must be on the EPA Watersense High Efficiency Toilet list.

Your old toilet must be recycled. A receipt from the recycler is required.

Rebates are available on a first-come, first-served basis. For more information and a list of eligibility requirements go to: tinyurl.com/crwprebate or call 503-723-3511.



City of West Linn

2nd Thursday at the Library - Sustainability Lecture Series

The West Linn Sustainability Advisory Board and Public Library are pleased to bring the following topics to the library on the 2nd Thursday of the month, 6:30 – 8:00 pm beginning in January.



Jan. 13, 2011 – Sustainability 101:
What Does Sustainability Mean?

Feb. 10, 2011 – Rain Garden Rainwater Harvesting

March 10, 2011 – Edible Landscapes and Planters

April 14, 2011 – Green Renovation 101

May 12, 2011 – Basics of Solar & Community Solar

West Linn Library, 1595 Burns Street

Harvest the rain --

System rain barrels \$45

Did you know that one inch of rain falling on a 1,000 square foot roof equals up to 600 gallons of rainwater that you can harvest for use in your yard and garden?

The Clackamas Office of Sustainability has a limited number of rain barrels left from the September sale. We will be taking reservations for these rain barrels.

To reserve a 55-gallon System rain barrel:

Email Sustainability@co.clackamas.or.us or call 503-742-4460

Include your name, phone number, zip code, the number of barrels you want, and the date you will pick them up - Dec 2, 3 or 4.

Rain barrel pick up times:

Thursday, December 2, 5:30 - 7:30 p.m.

Friday, December 3, 10 a.m. - 1 p.m.

Saturday, December 4, 8 a.m. - 11 a.m.

Rain barrel pick up location:

Clackamas County Weatherization
1810 Red Soils Ct, Suite B, Oregon City

Please no debit or credit cards. Checks payable to Clackamas County.

Rain barrels include a faucet, overflow hose, mesh screen in the lid and installation instructions. More info: www.clackamas.us/sustainability, www.system.com, or call 503-742-4463.

