

Final Report

EcoBiz Outreach Services Clackamas River Water Providers FY 2014/15

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pacific northwest
POLLUTION PREVENTION
resource center



Introduction

The Eco-Logical Business Program (EcoBiz) is a voluntary, third party verified certification for businesses and public agencies that reach high standards in environmental protection. To become certified, participants must demonstrate industry best management practices to reduce and prevent air, water, and hazardous waste pollution. Certification is available to automotive service business, including auto repair, car washes, radiator repair, and body shops, throughout the state of Oregon, and landscaping companies within the Portland Metro Region. Public agencies, such as parks departments and fleet maintenance operations, are also eligible for certification. Participating businesses receive sector specific environmental evaluations and technical assistance at no charge. Once certified, businesses are listed on the EcoBiz website (www.ecobiz.org) and provided with the EcoBiz logo for use on their own promotional materials.

The Pacific Northwest Pollution Prevention Resource Center (PPRC) manages the EcoBiz Certification on behalf of agency partners: conducting direct outreach, providing technical assistance, and maintaining the program's database and website.

For the 2014/15 fiscal year contracted with Clackamas County Water Environment Services (WES) and Clackamas River Water Providers (CRWP) to provide EcoBiz & P2 outreach services for businesses within the Clackamas County Service District #1 (CCSD#1), *on the lower section of the Clackamas River watershed*. Each local government agency budgeted \$5,000 to support the following activities:

1. Conduct targeted outreach to landscaping businesses operating within CCSD #1 using the EcoBiz Certification model; and
2. Conduct outreach to property management companies operating within CCSD #1, to help them reduce pollution and save water on their managed properties.

Additional funding was leveraged by PPRC through a partnership with Portland State University's Community Environmental Services. In 2014 PSU was awarded a \$102,000 EPA Pollution Prevention Grant to expand EcoBiz and conduct landscape outreach in Clackamas, Portland, and Gresham. Both WES and CRWP provided letters of support. PSU staff has conducted concurrent outreach to businesses along the Highway 212 corridor. The final report for the EPA P2 grant project will be completed in early August 2015.

Program Development

Working with WES staff, PPRC developed a commercial outreach flyer outlining steps businesses can take to reduce negative impacts on stormwater, practice smarter landscaping, and protect the Clackamas River (*see Appendix A*). PPRC also created a flyer listing all EcoBiz certified landscapers with the services they provide (*see Appendix B*). Practices promoted include:

- Reducing the use of chemicals and fertilizers;
- Managing stormwater and increasing infiltration;
- Installing water saving, drought tolerant, and native plants;
- Maintaining irrigation systems;
- Covering outdoor waste containers;
- Preparing for and reporting spills; and
- Avoiding washing vehicles outside.

Commercial Outreach

Starting in June, PPRC began conducting outreach to retail and commercial businesses, churches, and schools located within CCSD#1, mainly along SE Sunnyside Road. Businesses were provided with flyers, promotional materials, and water saving devices such as bathroom and kitchen faucet aerators and toilet tank banks. Certain visits proved especially encouraging or were responsible for their own landscaping and therefore received the following additional flyers: "Water Efficient Plants for the Willamette Valley", "Water Lean Grow Green", and "Get Started on the Road to Indoor Water Conservation." A total of 169 businesses were visited.

Table 1: Resources Delivered

Resource Description	Quantity	Notes
Commercial Outreach Flyer	145	PPRC
Certified EcoBiz Landscaper Flyer	120	PPRC
Water Efficient Plants for the Willamette Valley	5	Regional Water Providers Consortium
Water Lean, Grow Green	5	Clackamas River Water Providers
Get Started on the Road to H2O Indoor Water Conservation	12	Regional Water Providers Consortium
10 Water Saving Tips: Indoor/Outdoor	100	Regional Water Providers Consortium
Faucet Aerators	42	Clackamas River Water Providers
Toilet tank banks	12	Clackamas River Water Providers
Garden hose sprayer	1	Clackamas River Water Providers
Small Spill Kits (<i>not delivered, but available</i>)	30	For businesses within CCSD#1

Data Collection

PPRC staff collected information on all commercial properties visited. (See Appendix D for data collection sheets). Information recorded includes:

- Property addresses;
- Business tenant and contact;
- Property management company and contact;
- Estimated size of landscaping;
- Description of landscaping;
- Landscaping company managing site;
- Description of waste storage facilities and methods; and
- Site-specific notes.

Measures of Success

PPRC proposed to track metrics related to businesses changing operating practices: adopting sustainable landscape techniques, hiring EcoBiz Certified Landscapers, preparing for spills, and switching to less toxic products. During this first round of outreach PPRC was able to collect information on the property management companies, who in most cases make landscaping decisions. Future outreach efforts should be focused on providing resources and technical assistance to these decision makers.

Table 2: Measures of Success

Metric	Description of Activities
Acres of turf managed using sustainable practices	PPRC distributed the commercial outreach flyer to businesses maintaining approximately 448 acres of property, with estimated 79 acres vegetated. (See Appendix E for Estimated Acreage & Surface Type for properties visited).
Gallons of water diverted from storm system by changing washing practices	PPRC did not encounter any businesses actively washing to storm, however they provided information discouraging the practice.
Employees trained in spill response	PPRC distributed the commercial outreach flyer to 170 business which include the spill number for CCSD#1. Very few businesses along Sunnyside Road handle fluids, making spills unlikely.
Spill kits distributed	PPRC provided two (2) shop spill kits to Kadel's Body Shop, nine (9) vehicle spill kits for Liberty Electric, and assembled 30 spill kits for future outreach efforts.
Gallons secondary containment installed for hazardous materials.	PPRC did not encounter any businesses who needed secondary containment.
Number of sustainable product alternatives and practices adopted	Follow up visits will be needed to determine if businesses adopted any of the practices recommended.
Number of new businesses certified by EcoBiz.	PPRC recertified one landscaper, and is actively working to certify one landscaper in CCSD#1.

Metric	Description of Activities
Acres managed by EcoBiz Certified landscapers.	PPRC collected information on landscape contractors maintaining properties in CCSD#1 and will conduct follow up outreach with these businesses.

Key Findings

During visits at commercial sites, PPRC staff delivered a variety of messages. The following is a summary of the primary messages and our impressions of their effectiveness:

Message: Protect drinking water, protect the Clackamas River

Many individuals were surprised to learn their drinking water came from the Clackamas River, and became more interested in the materials presented. Relating stormwater runoff to the source of a community's drinking water made the message more personal and therefore, effective.

Message: Conserve Water

Water conservation was also an effective message at commercial sites. In general, there was a concern about current water levels and what the future might hold for drinking water sources in the region. Most responded enthusiastically to receiving free water saving devices.

Message: Protect Stormwater

When the stormwater protection message was discussed without the connection to the river, the message was not as effective. Since the underlying goal is to protect the Clackamas River, always pair upstream actions with downstream effects.

Key Locations

Several commercial site visits were very promising and would be valuable collaborations during future property renovations. PPRC recommends providing these properties with additional technical assistance, and information regarding WES' RiverHealth Stewardship Program grants.

Sunnyside Four Square Church

13231 SE Sunnyside Rd., Clackamas, OR 97015

Howard, the facilities manager, is extremely interested in increased stormwater infiltration on the 7 acre property. He is interested in finding ways to restore the small tributary on the east end of the property, as well as disconnecting downspouts, reducing the size of the parking lot, pervious pavement, installing bioswales to prevent flooding in specific areas in the parking lot, and installing rain gardens.

Talbert Center

12250 SE Sunnyside Rd., Clackamas, OR 97015

Morris Yasovolian, the property owner of the Talbert Center shopping complex, is also the owner of Talbert Hardware, a business within this shopping center. He is familiar with mitigation, and recently funded the completion of riparian restoration just south of the building following the construction of a parking garage on the site. Morris is especially interested in swales that could be installed throughout his parking lot. He also expressed interest in water reduction devices. The owner maintains his own landscaped areas throughout the property and would love to learn more about hardier native plant species.

Kaiser Permanente

Sunnyside, 10180 SE Sunnyside Rd, Clackamas, OR 97015

Met directly with lead landscapers responsible for the Kaiser Permanente hospital complex. Currently, Kaiser is going to impressive lengths to improve stormwater runoff as well as increase infiltration. They were interested especially in becoming more knowledgeable about native plant options for future planting as well as incorporating more swales throughout the complex.

Eastridge Covenant Church

14100 SE Sunnyside Rd, Clackamas, OR 97015

The church currently has landscapers that periodically maintain the church property, however, Mike Berck is responsible for much of the interim landscaping maintenance. He is currently working to improve the irrigation system that was installed and is open minded about planting native species on the site. Wilderness International has installed a large number of native plantings in an adjacent riparian area and Mike expressed interest in continued involvement in restoration activities.

EcoBiz Certifications

PPRC re-certified Collier Arbor Care, a Division of Bartlett Tree Experts located at 11814 SE Jennifer St. Clackamas, OR 97015. PPRC also conducted a site visit at the Fred Meyer Fleet Maintenance Facility located at 11500 SE 114th Ave Clackamas, OR 97015. PPRC conducted an initial site visit and completed a checklist for Sense of Place Permaculture, LLC, 8438 SE Clackamas Rd. Each business received a report outlining the steps needed to complete EcoBiz Certification.

Next Steps

In the coming fiscal year, PPRC recommends the following next steps:

- 1. Develop new outreach materials to provide for retail businesses and restaurants who don't have control over landscaping but want to protect stormwater.*
- 2. Provide technical assistance for businesses and organizations interested in stormwater management improvements.*
- 3. Contact property management companies identified and deliver P2 messages.*
- 4. Contact trade organizations for property management companies and deliver P2 messages.*
- 5. Contact non-certified landscapers identified to get them certified.*

Additional Program Updates

- In August 2014, Portland State University's Community Environmental Services was awarded \$102,000 EPA Pollution Prevention Grant to provide EcoBiz outreach services to East Portland, Gresham and Clackamas County. PPRC was a subcontractor on the grant and provided staff training and direct outreach to businesses. The grant activities and accomplishments will be summarized in the final report due in August 2015.
- In April 2015, PPRC hired an EcoBiz Outreach Specialist to expand outreach to commercial landscapers and expand pollution prevention activities in the commercial sector region wide.
- Traffic to the program website increased significantly over the past year, from roughly 300 sessions in July 2014 to 1,100 in June 2015. PPRC manages the site and has invested a small amount of time utilizing Search Engine Optimization (SEO) tools, updating keywords, and encouraging businesses and partner agencies to link back to the website.
- Business promotion funds (\$1,000) from the City of Portland contract were used to purchase 2 full page ads in the 2015/16 Chinook Book (*see Appendix C*). The City of Gresham and Clackamas River Water Providers also contributed.

ECOBIZ

Nearly 300,000 people rely on the Clackamas River for drinking water. Please follow these common sense practices to protect our drinking water and improve the health of the river.

Help Protect the Clackamas River

Smarter Landscaping

Reduce Chemicals & Fertilizers

Reduce or eliminate the use of herbicides and pesticides by pulling weeds manually or mechanically. If you need to spray, avoid rainy or windy days. When applying granular fertilizer, sweep up the excess so it doesn't go to the river when it rains.

Stormwater Management

When water on the ground enters the soil, that's called infiltration. To reduce the amount of chemicals entering our rivers and streams, slow down your stormwater and allow for infiltration. **Go the extra mile:** Install a rain garden or parking swale to treat the stormwater on-site.

Water Saving Plants

Replace turf with native or drought tolerant plants. If you keep a lawn, aerate to reduce runoff and allow the water to infiltrate into the soil.

Efficient Irrigation

Hire a qualified irrigation professional to help reduce overspray, prevent runoff, and install water saving devices, like Smart Controllers.

"Eco" Lawns

Utilize lawns with multiple plant varieties to save water and reduce chemical use. When properly maintained, eco lawns are an attractive alternative to traditional lawns.



Chemical & Waste Storage

Manage Storage Areas

To limit chemical discharges and reduce waste on your property, follow these best practices:

1. Sort and properly dispose of unneeded chemicals, equipment and waste. **2. Cover waste** stored outside, especially chemicals, scrap metal, and tires. **3. Add secondary containment** for tanks & drums over 50 gallons.



Report Spills

If you become aware of a significant spill or inappropriate discharge of wastewater into a storm sewer system, contact **Clackamas County Water Environment Services (WES) immediately at 503-742-4567** from 7:30 am-5:30 pm Monday through Thursday. After hours, call the county's dispatch center **503-655-8211** (*non-emergency number*) or **911** (*hazard/emergency*), and ask the dispatcher to notify WES.

Spill Kits & Plans

Place labeled spill kits where liquids are stored or transferred. Post a spill response plan outlining what to do in case of a spill. Contact mfrister@pprc.org to receive a free spill kit and sample spill plan.



Please try to avoid washing vehicles

Storm water systems in this area drain to the Clackamas River.

Avoid washing vehicles or equipment in parking lots or streets. Use a commercial car wash that recycles water.

To learn more, contact Mitch Frister with the Pacific NW Pollution Prevention Resource Center at mfrister@pprc.org. Visit www.ecobiz.org/landscapes to find Eco-friendly landscapers.

Spill kit photo reprinted with permission from New Pig Corporation. Landscape photos courtesy of Willamette Landscape Services, DeSantis Landscapes, & Landscape East & West

ECOBIZ Choose a certified landscaper

EcoBiz Certified Landscapers are dedicated to reducing or eliminating harmful pesticides, saving water, and finding the right plant for the right place. On your next project, choose an EcoBiz Landscaper to *help protect our air, water and local wildlife*. Visit www.ecobiz.org/landscapes to learn more.



Landscape Services

	DESIGN	INSTALL	MAINTENANCE	IRRIGATION	SPECIALTY
Ann Nickerson Landscape Design, Inc. 503-846-1352 - www.ann.nickerson.net	●				
Apogee Landscapes 503-312-1811 - www.apogeelandscapes.com	●	●	●	●	●
Baseline Landscapes 503-998-1155 - www.baselinelandscapes.com	●	●	●	●	●
Clean Air Lawn Care www.cleanairlawncareportland.com			●		
Collier Arbor Care 503-722-7267 - www.collierarbor.com			●		●
DeSantis Landscapes 503-639-0151 - www.desantislandscapes.com	●	●	●	●	●
Design Resource Group 503-421-9829 - www.drlandscaping.com	●	●	●	●	●
Donna Giguere Landscape Design 503-777-1177 - www.giguere landscapedesign.com	●				
Down to Earth Irrigation 503-723-6212	●	●	●	●	

Landscape Services

	DESIGN	INSTALL	MAINTENANCE	IRRIGATION	SPECIALTY
Drakes 7 Dees Inc 503-256-2223 - www.drakes7dees.com	●	●	●	●	●
Eco-Logic Permaculture & Landscape Design 971-258-2867 - www.ecologiclandscape.com	●	●	●		●
Independence Gardens 503-929-7170 - www.independencesgardenspdx.com	●	●	●		
Landscape East & West 503-256-5302 - www.landscapeeast.com	●	●	●	●	●
Pacific Landscape Management 503-648-3900 - www.pacscape.com	●	●	●	●	●
Rachel's Landscape Design 503-475-7286 - www.rachelslandscapedesign.com	●				
Rejuvenation Artisans Landscapes 503-774-1616 - www.rejuve.net	●	●	●		●
River City Gardens 503-293-6114 - rivercitygardens.com	●	●			
Seed Garden Designs 971-322-3191 - www.seedgardendesigns.com	●		●		●
Urban Ecosystems LLC 503-236-0213 - www.urbanecosystems.net	●	●	●		●
Willamette Landscape Services 503-625-9600 - www.willamettelandscape.com	●	●	●	●	●
Winterbloom, Inc 503-598-0219 - www.winterbloominc.com	●	●	●	●	

Updated June 2015. Photos provided by Landscape East & West, DeSantis Landscapes, and Willamette Landscape Services. EcoBiz is sponsored by:



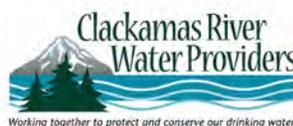
State of Oregon
Department of
Environmental
Quality



ENVIRONMENTAL SERVICES
CITY OF PORTLAND



CITY OF
GRESHAM



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ECOBIZ



**find auto shops & car washes
that protect our environment**



ecobiz.org/auto

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ECOBIZ



**find landscapers who
protect our environment**



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Appendix E: Estimated Acreage & Surface Type - CCSD#1 - PPRC June 2015 Outreach

Property Name on Outreach Map	Approximate Address	Property Type	Est.Total Acreage	% Vegetated	% Building	% Impervious	Est. Vegetation Acreage
Adventist Health	11211 SE Sunnyside Rd	Medical	1.31	35%	25%	40%	0.46
Altamont Summit Apartments	9701 SE Johnson Creek Blvd	Multi-Fam	24.6	50%	30%	20%	12.30
Clackamas Education Services District	13455 SE 97th Ave	Office	6.75	10%	10%	80%	0.68
Clackamas High School	14486 SE 122nd Ave	School	51.4	65%	20%	15%	33.41
Creator Lutheran Church	13250 SE Sunnyside Rd	Church	3.19	85%	5%	10%	2.71
Creekside Apartments	10764 SE Sunnyside Rd	Multi-Fam	9.02	50%	40%	10%	4.51
Crown Court Apartments	13590 SE 97th Ave	Multi-Fam	18.7	50%	30%	20%	9.35
Eastridge Church	14100 SE Sunnyside Rd	Church	6.98	35%	10%	55%	2.44
Gloria'z Pub & Grill	13175 SE Sunnyside Rd	Retail	2.2	15%	30%	55%	0.33
Goddard School	14210 SE Sunnyside Rd	School	2.47	15%	25%	60%	0.37
Gustav's, 76, Motel 6	12605 SE 97th Ave	Retail	6.52	25%	10%	65%	1.63
Haggens	14800 SE Sunnyside Rd	Retail	11.8	10%	25%	65%	1.18
Hawk's Ridge Apartments	13250 SE 162nd Ave	Multi-Fam	9.27	15%	45%	40%	1.39
Indian Bluff Mobile Home Park	15000 SE 122nd Ave	Multi-Fam	14.7	25%	60%	15%	3.68
Kaiser Permanente Sunnyside	10180 SE Sunnyside Rd	Medical	50.1	15%	30%	55%	7.52
Lawnfield Garden Apartments	9900 SE Lawnfield Rd	Multi-Fam	9.89	50%	25%	25%	4.95
McDonald's	11899 Southeast Sunnyside Roac	Retail	1.07	20%	5%	75%	0.21
Miramont Pointe	11520 SE Sunnyside Rd	Assisted Living	4.01	45%	20%	35%	1.80
New Hope Community Church	11731 SE Stevens Rd	Church	16.9	20%	10%	70%	3.38
New Seasons	15861 SE Happy Valley Town Cer	Retail	13.1	10%	25%	65%	1.31
Office Depot, Sunnyside Health Clinic	9757 SE Sunnyside Rd	Retail	14.4	20%	25%	55%	2.88
Princeton Assisted Living	14370 SE Oregon Trail Dr	Assisted Living	1.64	35%	30%	35%	0.57
Providence Happy Valley	16180 SE Sunnyside Rd	Medical	2.25	20%	15%	65%	0.45
Riverbend Mobile Home Park	13900 SE 142nd Ave	Multi-Fam	34.3	35%	50%	15%	12.01
Safeway	12032 SE Sunnyside Rd	Retail	11.5	5%	15%	80%	0.58
Spring Mountain Bible Church	12152 SE Mather Rd	Church	4.24	25%	5%	70%	1.06
Spring Mountain Elementary	11645 SE Masa Ln	School	10.3	70%	15%	15%	7.21
Squire's Court Apartments	10555 SE Mather Rd	Multi-Fam	10.9	30%	50%	20%	3.27
Starbucks	14669 SE Sunnyside Rd	Retail	1.9	10%	5%	85%	0.19

Property Name on Outreach Map	Approximate Address	Property Type	Est.Total Acreage	% Vegetated	% Building	% Impervious	Est. Vegetation Acreage
Stone Ridge Apartments	13300 SE Hubbard Rd	Multi-Fam	9.48	10%	60%	30%	0.95
Structured Communication	12901 SE Sunnybrook Blvd	Office	3.99	20%	10%	70%	0.80
Sunnyside Elementary School	13401 SE 132nd Ave	School	10.9	50%	20%	30%	5.45
Sunnyside Foursquare Church	13231 SE Sunnyside Rd	Church	6.52	30%	10%	60%	1.96
Sunnyside Kindercare	10501 SE Sunnyside Rd	School	0.976	10%	15%	75%	0.10
Sunnyside Veterinary Hospital	16416 SE Sunnyside Rd	Vet	1.64	85%	10%	5%	1.39
Sunridge Terrace Apartments	14712 SE Misty Dr	Multi-Fam	9.72	50%	30%	20%	4.86
Taco Bell	16050 SE Sunnyside Rd	Multi-Fam	0.59	10%	5%	85%	0.06
Talbert Center	12250 SE Sunnyside Rd	Retail	4.08	10%	15%	75%	0.41
The Preserve	13300 SE 122nd Ave	Multi-Fam	5.85	40%	25%	35%	2.34
Town Center	10163 SE Sunnyside Rd	Office	17.9	10%	20%	70%	1.79
Twin Creeks Apartments	11480 SE Sunnyside Rd	Multi-Fam	9.96	30%	40%	30%	2.99
Valley View Church	11501 SE Sunnyside Rd	Church	6.96	20%	10%	70%	1.39
Village at Sunrise Apartments	12301 SE Hubbard Rd	Multi-Fam	4.4	25%	45%	30%	1.10
TOTAL ACREAGE			448.376				79.21

PPRC - CCSD#1 Outreach Map

June 2015 Outreach

 All items

CCSD #1



Clackamas Co. Service Dist.
#1

