

ECOBIZ

Certifying Eco-Friendly Oregon
Businesses



ECCOBIZ

-
- Introductions
 - EcoBiz Program Overview
 - How EcoBiz protects water quality
 - How to work with us



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PPRC is the leading regional non-profit providing technical assistance to businesses and organizations to help reduce pollution in the Pacific Northwest.

PPRC receives funding from local agencies, DEQ, and EPA to administer EcoBiz.

ECOBIZ 101



Free & Voluntary

Funded by local agencies, Oregon DEQ, and EPA

Sectors: Auto & Landscaping

Auto repair & body shops, carwashes, dealerships, landscapers, & public agencies

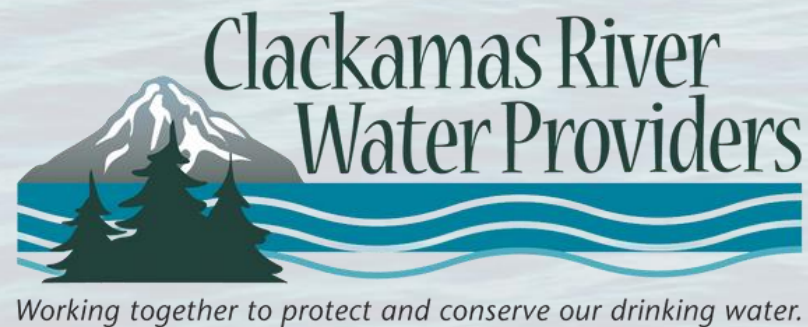
Backed by DEQ & Water Authority

Each location is visited by state & local representative

Administered by Oregon P2O Team

Statewide working group of P2 experts

POLLUTION PREVENTION OUTREACH (P2O) TEAM



Statewide Certifications



150+ Auto Repair & Body Shops



30+ Car Washes



35+ Landscapers



40+ Public Agency Fleets & Parks
Dept.

Reporting P2 Improvements



Secondary Containment

gallons of hazardous material prevented from release

Spill Kits

spill kits added at # businesses

Vehicle Washing to Sanitary

gallons of washwater diverted from storm system annually

Mop Water to Sanitary

gallons of mop water diverted from storm system annually

Annual Number of People Reached

people reached through advertising and outreach

Less Toxic Product Substitution

gallons of hazardous material reduced through substitution

Reporting P2 Improvements



EcoBiz Program

The District reduces the discharge of pollutants to the MS4 from select commercial facilities through pollution prevention. The District continues to contract with Pacific Northwest Pollution Prevention Resource Center (PPRC), a nonprofit organization that provides pollution prevention information. PPRC has provided outreach and technical support for the Eco-Logical Business Program (EcoBiz) for automotive services and landscaping services in Washington County since November 2008. The EcoBiz program certifies businesses that meet statewide standards set by the Pollution Prevention Outreach Team, which includes members from DEQ, Metro and Oregon municipalities. Certified businesses must comply with environmental laws and implement BMPs to reduce the environmental impact of their operations.

The following tasks were accomplished this reporting year:

- PPRC provided outreach and technical assistance to 88 businesses and two local government agencies within Washington County. Of the total, 20 received physical inspections followed by detailed environmental reports outlining steps to improve environmental performance: reducing toxics, safely storing hazardous waste, adding secondary containment, managing wash water, covering waste and conserving energy.
- PPRC certified one new auto repair shop, and recertified 14 automotive businesses and one local government fleet. Outreach and technical assistance led to the following actions:
 - Twenty businesses and agencies received recommendation reports outlining specific steps needed to gain certification and reduce environmental impacts.
 - Six businesses received a total of seven spill containment kits.
 - One business received two four-drum spill containment pallets.
 - Four businesses were provided a total of 15 “Used Oil” labels.
 - Three businesses installed seven storm drain markers.
 - Nine businesses were provided information on proper washing techniques and District stormwater requirements.

There are 59 EcoBiz-certified facilities in the District, including 34 auto repair and body shops, 10 car washes, three landscapers and 12 public agencies.

Reporting P2 Improvements

Metric	Description of Activities
Spill kits distributed	PPRC provided eighty-nine (89) spill kits to forty-four (44) businesses.
Gallons secondary containment installed	Secondary containment was added at twenty (20) businesses, containing over 11,700 gallons of hazardous material.
Number of businesses that diverted water from storm system	Twelve (12) businesses diverted wash water from the storm sewer system by changing wash practices. Some businesses were washing vehicles to the storm system regularly, and some had inefficient containment for wash bays.
Gallons of water conserved	Approximately 1040 gallons of water per year were conserved by fixing a leaking faucet.
Number of storm drains marked	PPRC provided forty-seven (47) storm drain markers for installation.
Waste moved under cover (Used tires, scrap metal, empty chemical containers)	Seventeen (17) businesses moved all waste undercover.
Number of businesses certified by EcoBiz	PPRC certified or re-certified thirty-one (31) businesses.

EcoBiz P2 Improvements 2016-2019

Clean Water Services

Certification Process



Site Visit

to complete checklist answers and walk the site.



Adopt Recommendations

outlined in report.



Final Certification Visit

with PPRC, DEQ and local water authority

Hazardous Materials

24. Have you determined your facility's hazardous waste generator status?

Legal

- Conditionally Exempt Generator (CEG)
- Small Quantity Generator (SQG)
- Large Quantity Generator (LQG)

- Yes
 No
 N/A

List generator status

25. Are small, work-site sized containers labeled with the current content? Special containers are needed for flammable liquids.

Legal

OSHA Employee Right to Know

- Yes
 No
 N/A

List materials that need a label

Checklist

How we measure and track progress



Auto Checklist Categories



- Recycling & Waste Prevention



- Cleaning Practices



- Employee Training



- Hazardous Materials



- Product Waste & Storage



- Purchasing & Inventory



- Spill Prevention



- 8. UIC Wells



- 9. Utilities



- 10. Used Oil



- 11. Freon Recycling



- 12. Air Quality



- 13. Wash Water



Landscape Checklist Categories



- Licenses, Bonds & Insurance



- Employee Training



- General Landscape Practices



- General Design



- Pesticide Use



- Irrigation



- 7. Ponds & Water Features



- 8. Turf



- 9. Hardscapes



- 10. Lighting



- 11. Office & Materials Handling



- 12. Vehicles & Equipment



— Opportunities for Improvement —















Solutions



Liquid Storage & Containment







Reducing Toxics



- Reduce total number of products in use
- Find a trusted label for “eco” certification
- Review SDS, ask suppliers for less toxic alternatives
- Use products with ‘Caution’ or lower label
- Find products that are low emission – CA compliant

Less Toxic Alternatives

Parts Washers

Aqueous-based degreasers. Closed loop, non-toxic



EcoBiz prohibits the use of chlorinated solvents



Less Toxic Alternatives

"Bird bath" aqueous parts washers



Less Toxic Alternatives

Case study: bit.ly/3A2XRtj

Metric (Annual Basis)	Solvent Cleaning (Before)	Ultrasonic Cleaning (After)
Investment in New Ultrasonic Unit	\$600	
Annual Operating / Maintenance Costs		
Amount of bulk solvent used	~180 gal	N/A
Cost to purchase bulk solvent	\$1,400	N/A
PPE and cleaning-related supplies	Filtered masks, gloves, safety goggles, rags	Paper towels, safety glasses.
Cost of PPE and rags	\$200	\$100
Cost of solvent and sludge disposal*	\$360	\$100 (Sludge only)
Staff hours in parts cleaning and spent bath / solvent management	8 hrs/week x 50 weeks = 400 hours/year	4 hr/week x 50 weeks = 200 hours/year
Labor cost	\$16,000	\$8,000
Energy to heat	N/A	\$50
Cleaning solution purchase		\$300
Drainage mats		\$100
Annual Costs	\$17,960	\$8,650
Simple Payback Period	About one month!	



Ultrasonic parts cleaner and Safer Choice Simple Green All-Purpose Cleaner



Less Toxic Alternatives

Pesticides



Avoid: persistent, bioaccumulative, neonicotinoids



Choose: IPM, mechanical methods, mulch



Haz Waste Reduction

Re-fillable Aerosols

Save money, reduce VOCs and haz. waste

SureShot, Vaper, Wurth Refillomat



Haz Waste Reduction



Oil filter crusher



Can puncture device

Spill Prevention

Waste and product containers 55g+

110% volume of largest container in a given area



\$300, holds 4 x 55g drums



\$1,000 for double-walled 275g tank



\$200 for 15 feet



Spill Prevention

Spill Kits

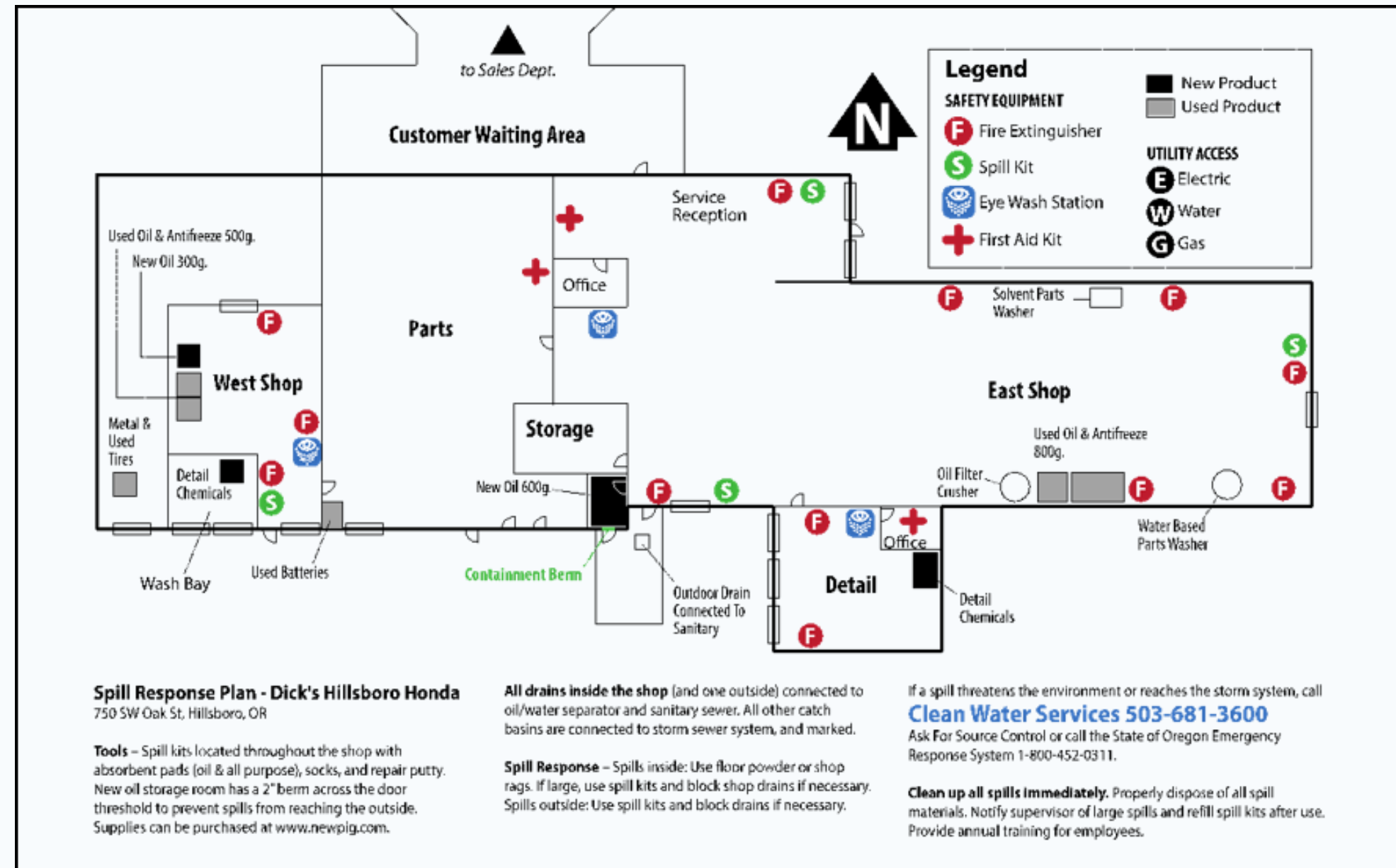
- Build your own small spill kits (\$20 vs \$60)
- Buy spill materials in bulk to build & refill



Spill Prevention

Spill Plans

- Spill plan posted - local and state spill numbers
- Spill response training annually





Why Gain Certification?



Poll Question for You to Help Us



EcoBiz & FOG

- **Working to Reduce the impact of FOG with EcoBiz model**
 - **USDA Grant application for developing certification checklist and process for FSEs**
 - **Partner with local jurisdictions to compliment existing programs**
 - **In-person Technical Assistance building on PPRC's expertise**



Poll Question for You to Help Us



Q&A

