



# The Sustainable Business Bulletin

Marion County Public Works– Environmental Services EarthWISE Business Program

## Biodiesel production to grow in Salem

The newly expanded SeQuential-Pacific Biodiesel (SQPB) facility in Salem opened its doors on August 29th. The grand opening ceremony had SQPB investor Willie Nelson on hand along with many of their local business partners.

The new facility is a major step forward for biodiesel production in Oregon. SQPB capacity is five million gallons a year (up from one million) and uses a new cleaning process technology that replaces water with silica to “wash” the fuel.

Biodiesel is made through a chemical reaction between natural oils and alcohol, followed by purification. Biodiesel can be made from nearly any naturally occurring vegetable oil or fat. The most frequently processed sources are used cooking oil, tallow, yellow

grease, poultry grease, cottonseed oil, and soybean oil.

So what vehicles can use biodiesel? Basically, any petrodiesel- burning vehicle built since 1993 can use biodiesel without any modifications. According to industry claims, biodiesel fuels can significantly reduce many tailgate emissions such as particulates and carbon monoxide that regular diesel vehicles emit.

Vehicles can run on biodiesel either as a blend with petrodiesel (regular diesel) or “straight up” with 100% biodiesel (B100). The most common way to find biodiesel is as B20 (20% biodiesel, 80% petrodiesel blend or B5 (5% biodiesel, 95% petrodiesel).

One of the amazing things about turning cooking oils into a fuel is the rate that it is converted. Nine out of

every ten gallons of collected oil is processed into biodiesel. Since it is collected as a cooking waste from businesses and residents, it allows the amount of energy that these oils contain to be maximized.

Encore Oils, a subsidiary of SQPB, offers a cooking oil collection service in Marion County for large oil users. Encore pays for the oil they collect depending on quality and quantity. Residents producing small amounts of used cooking oil may take theirs to the Salem Keizer or North Marion Recycling and Transfer Station (503-588-5169). Recycling at both of these sites is free.

For more information about oil collection at your business contact SQPB at 503-978-3210. You can also find their website at: [www.sqbiofuels.com](http://www.sqbiofuels.com).

### Important Dates:

- November 4– Election Day
- November 11– Veteran's Day
- November 27– Thanksgiving Day

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## When is recycled recycled?



A recycled aluminum can saves enough energy to run a television for three hours

When you evaluate environmental claims in advertising and on product labels, look for specific information. Determine whether the claims apply to the product, the packaging, or both. For example, if a label says "recycled," check how much of the product or package is recycled. Unless the product or

package contains 100 percent recycled materials, the label must tell you how much is recycled.

"Recycled" products are made from items recovered or separated from the "waste stream". These resources are melted down or ground up into raw materials and then used to make

new products. They may also be products that are used, rebuilt, reconditioned, or remanufactured. If a product is labeled "recycled" because it contains used, rebuilt, reconditioned, or remanufactured parts, the label must say so — unless it's obvious to the consumer.

## Common Recycling Myths

**Q: I have heard that it is not energy efficient to turn fluorescent lights on and off a lot and that it takes more energy to start CFL's than it does to leave them on for half an hour when you leave the room. Is this true?**

**A:** It is a popular belief that CFL's and other fluorescent lights use a lot of energy to get started and thus it is better not to turn them off for short periods of time. There is an increase in power demand when a light is switched on (the exact amount of this increase depends on the type of ballast and lamp). The ballast provides an initial high

voltage for starting the lamp and regulates the lamp current during operation. This relatively higher "inrush" current lasts for half a cycle, or 1/120<sup>th</sup> of a second. The amount of electricity consumed to supply the inrush current is equal to a few seconds or less of normal light operation. Turning off fluorescent lights for more than 5 seconds will save more energy than will be consumed in turning them back on again.

The real issue here is the value of the electricity saved (by turning the light off) versus the cost of relamping a light fixture since the operating life of the bulb is deter-

mined by how many times it is turned on and off. The more often they are switched on and off, the lower their operating life. The exact reduction in operating life depends on the type of light and how many times it is switched on and off.

For most areas of the US, a general rule-of-thumb is to turn off a fluorescent light if you leave a room for more than 15 minutes. In areas where electric rates are high and/or during peak demand periods, this could be as low as five minutes.

(source:coolcapitalchallenge.org)



Recycling Myths- Busted!

## State of Oregon Sustainability Awards

The Oregon Economic and Community Development Department have announced their second annual Governor's Sustainability Awards event to be held this fall.

The Sustainability Awards Program is intended to promote and advance the inclusion of sustainable practices in government and the private sector. Sustainable practices are broadly defined as those that strive to optimize an organization's financial, environmental,

and social performance.

Any private, public or non-profit organization is eligible to apply. Awards will be given based on merit, but organizations may be grouped by size and/or type in order to make comparing applicants more efficient and appropriate.

Winners will:

- show a commitment to sustainability that goes beyond compliance with regulatory requirements
- be innovators in their fields

- show that becoming more sustainable is not in conflict with achieving the organization's core mission (whatever that may be).

Applications must be received by 5:00 pm on Tuesday, October 7, 2008. Applicants should expect a response approximately one month after the October 7 deadline.

For information about applying for the award contact Mark Brady, Sustainable Business Liaison, at 503-229-



Oregon is looking for sustainable businesses

To obtain more business related information visit the Oregon Economic and Community Development website at:

<http://econ.oregon.gov/ECDD/index.shtml>

## Spotlight on EarthWISE Certified Business— Oregon Center of Cosmetic Dentistry

At the Oregon Center of Cosmetic and Family Dentistry beautiful smiles are created while practicing sustainability.

For example, their office saves energy by using compact florescent 20,000 hour bulbs. Water conservation is enhanced by only watering

their beautiful and extensive landscaping during the early morning hours in order to decrease evaporation. The staff have also reduced waste by offering patients hot coffee or their choice of tea in reusable mugs instead of using disposable drink ware.

The Center can be reached at 503-378-1212 or visit them online at [www.ittakesanartist.co](http://www.ittakesanartist.co) . They are conveniently located near downtown Salem at the convergence of 12th and 13th street, 2510 12th St SE.



Oregon Center of Cosmetic Dentistry

## EarthWISE Member Directory

**We welcome our four new members\*!**



**Marion County Public Works–  
Environmental Services  
EarthWISE Business Program**

5155 Silverton Road NE  
Salem, OR 97305

Phone: 503-365-3188

Fax: 503-588-3565

E-mail:

earthwise@co.marion.or.us

**Workplace Initiative for  
Sustainable Enterprise**

WE'RE ON THE WEB!

HTTP://

WWW.CO.MARION.OR.US/

PW/ES/EARTHWISE

**Advantage Precast Inc.**– Keizer  
www.advantagebusinessgroup.com/

**Agri-Plas, Inc.**– Brooks  
www.agriplasinc.com/

**AJ's Auto Repair**– Salem  
www.ajsautorepair.com

**Bentley's Grill \*** – Salem  
www.bentleysgrill.com

**Carlson Veit Architects**– Salem  
www.carlsonveit.com

**CB|2 Architects**– Salem  
www.cb2architects.com

**Champoeg State Heritage Area**–  
St. Paul  
www.oregonstateparks.org

**Chiropractic Physicians, P.C.**– Salem  
503-378-0068

**Coldwell Banker Commercial Moun-  
tain West Real Estate**– Salem  
www.cbcre.com

**Compex Two Computers**– Silverton  
www.compex2.com

**Dr. Holly Chamberlain D.D.S.**–  
Salem  
www.hollychamberlaindentist.com

**DeSantis Landscapes Inc.**– Salem  
www.desantislandscapes.com

**Garten Services, Inc.**– Salem and  
Keizer  
www.garten.org

**Kristin LaMont, Attorney at Law**–  
Salem  
www.lamont-law.com

**Lancaster Mall Operations\***– Salem  
www.LancasterMall.com

**Marion County Public Works–  
Environmental Services**  
www.co.marion.or.us/PW/ES

**Marion Recycling Center**– Salem  
www.mrtrashrecycles.com

**NORPAC Foods**– Stayton facility–  
Stayton  
www.norpac.com

**Oregon Center of Cosmetic and  
Family Dentistry**– Salem  
www.ItTakesAnArtist.com

**Oregon Department of Energy**– Sa-  
lem www.oregon.gov/ENERGY

**Performance Health Technology\*** –  
www.phtech.com

**Phoenix Grand Hotel\*** – Salem  
www.phoenixgrandhotel.com

**Sabroso Company**– Woodburn  
www.sabroso.com

**Salem Conference Center**– Salem  
www.salemconferencecenter.org

**Truitt Bros., Inc.**– Salem  
www.truittbros.com

**Willamette Ear, Nose, Throat and  
Facial Plastic Surgery, LLP**– Salem  
www.entsalem.com

**Willamette Valley Fruit Company**–  
Salem www.wvfco.com

**Woodburn School District Offices**–  
www.woodburn.k12.or.us

To learn more about the EarthWISE business assistance program, visit our website or give us a call. We're excited to work with you. If you would like to be added to the Sustainable Business Bulletin email list send an email to earthwise@co.marion.or.us with "add Sustainable Business Bulletin" in the subject box. To be removed from the list, put "remove" in the subject box.

