

## “BIOFUEL” Comes of Age for Campus Recycling and Refuse Fleet



### ▲ Biodiesel Campus Truck ►

For the last 3 years, Campus Recycling and Recycling Services has been using biodiesel fuel in one of its large recycling collection trucks on a pilot basis. Just recently, all 3 of its regular refuse and recycling collection vehicles were converted to be able to use biodiesel fuel. Because the blend of biodiesel CRRS chose to use (50% biodiesel, 50% petrodiesel) was not fully tested when CRRS first started using biodiesel, and other local entities had had some difficulty with higher %s of biodiesel, CRRS decided to start with one truck, to make sure the truck performed as well as it had using only petrodiesel. CRRS has found the blend works very well in its type of truck, and plans to convert the remaining 3 back up trucks, as well as its sweeper, in the near future, as funding permits.



CRRS fuels at Biofuel Oasis, a locally owned business that supplies waste vegetable oil (WVO) to a growing population of biodiesel enthusiasts. The effluent or exhaust from using biodiesel is less toxic than from petrodiesel, with the exception of Nitrus Oxide (NOX). CRRS trucks are outfitted as well with CARB-mandated exhaust filters which further clean the exhaust from our trucks. The net result to the campus is far cleaner air from our industrial collection activities than with 100% petrodiesel use.

Biodiesel, especially when derived from WVO, provides multiple environmental and economic benefits: recycling waste oil to make fuel moves towards greater energy security and independence from foreign oil sources. Biodiesel is far less

toxic in the environment than petrodiesel. Biodiesel is similar in toxicity to table salt, and biodegrades in the environment at approximately the same rate as sugar.

If you are around one of CRRS's trucks, and it smells like French fries, don't be surprised: the oil in the tank might once have been used for frying them.

*Article by Lisa Bauer*

# LEED Certification at UCB

- **LEED Accredited Professional Development:** A LEED EBOM training session was hosted by an USGBC professional at 2000 Carleton for building managers, BS@Cal and other involved LEED staff and students. In collaboration with UCOP, CalGET is developing a working knowledge of LEED by providing resources to enable UCB's interested campus community to become LEED accredited professionals and ultimately learn the process of LEED certifying campus buildings.
- The next LEED training session with PG&E on April 23 will target how to use the Energy Star Portfolio Manager Program. This energy management tool will allow individuals to track and assess UCB campus buildings' energy and water consumption in relation to similar building types and verify building energy performance
- **LEED EBOM certification** for University Hall and Wurster is moving ahead while buildings such as Sutardja Dai, Stanley, Center for Latin American Studies, and Anthony Hall are next to register to become



- LEED certified buildings.
- **LEED Volume Certification** is progressing, with a Green Cleaning Policy that outlines sustainability criteria for cleaning products, supplies, tools, equipment and practices at UCB in an effort to promote healthy indoor air quality, increase occupant wellbeing and comfort, assure building cleanliness, and provide a safe environment for custodial staff. This policy is the first completed policy for UCB that will be implemented for New Construction and Existing Buildings LEED credits.
  - The Solid Waste Management Policy is also under development focusing on UCB's various recycling, reuse and disposal reduction efforts. Other credits making headway include calculating and gathering information about various on and offsite native and adapted vegetation supported by UCB such as the Berkeley hills and offsite forests, reserves and tropical ecosystems.

Nicole Walter & Sara Shirazi

## EARTH WEEK - APRIL 2010

<b>Mon</b> 4/19	<ul style="list-style-type: none"> <li>• <b>4-5PM:</b> Yoav Soen, Weizmann Institute of Science: <b>Novel Environmental Challenges</b> as Driving Forces of Developmental Diversification (<a href="#">2040 Valley Life Sciences Bldg.</a>)</li> <li>• <b>9AM-5PM (Every weekday until 5/1/10):</b> <b>Steam and Stone:</b> Photos from the Foot of the Volcano (Hawai'i) (<a href="#">Faculty Club</a>)</li> </ul>
<b>Tue</b> 4/20	<ul style="list-style-type: none"> <li>• <b>6-8PM: Climate Wise Women:</b> The Global Conversation on Women's Response to Climate Change (<a href="#">Boalt Hall, School of Law, Room 100</a>)</li> </ul>
<b>Wed</b> 4/21	<ul style="list-style-type: none"> <li>• <b>4-5:30PM: An Anthropology Ecology?:</b> Struggles to Secure Environmental Quality and Social Justice (<a href="#">Alumni House</a>)</li> <li>• <b>4-6PM: 7th Annual Sustainability Summit</b> (<a href="#">Sutardja Dai Hall, Banatao Auditorium</a>)</li> <li>• <b>4:10-5:30PM:</b> Geography Department Colloquium: Effects of <b>Climate Change</b> on forest fires over North America and impact on U.S. air quality and visibility (<a href="#">575 McCone Hall</a>)</li> <li>• <b>7-9PM:</b> <i>Deeply Rooted: Unconventional Farmers in the Age of Agribusiness</i> (<a href="#">101 Morgan Hall</a>)</li> <li>• <b>8-9:30PM:</b> Disneynature's Movie, <b>OCEANS Screening</b> (<a href="#">Wheeler Auditorium</a>)</li> </ul>
<b>Thu</b> 4/22	<ul style="list-style-type: none"> <li>• <b>12-1PM: Forestry Seminar Series Spring 2010</b> (<a href="#">103 Mulford Hall</a>)</li> <li>• <b>1:30PM: Free Docent-Led Tour</b> (<a href="#">Botanical Garden</a>)</li> <li>• <b>6-7:30PM:</b> Science and Technology for <b>Sustainable Well-Being:</b> Priorities and Policies in the <b>Obama Registration</b> (<a href="#">Bechtel Engineering Center, Sibley Auditorium</a>)</li> </ul>
<b>Fri</b> 4/23	<ul style="list-style-type: none"> <li>• <b>12-1PM: Legal Implications of Climate Modeling</b> (<a href="#">Sutardja Hall, Batano Aud. 3rd floor</a>)</li> <li>• <b>12-1PM: "Botany Lunch"</b> - Seminars about Botanical subjects (<a href="#">1001 Valley Life Science Bldg.</a>)</li> <li>• <b>3:30-5PM: Pollution Permits and the Evolution of Market Structure</b> (<a href="#">Shorb House, 1st floor conference room</a>)</li> </ul>

For more information, visit <http://events.berkeley.edu/index.php/calendar/sn/enviro.html>.