

FRIDAY, APRIL 24, 2009



Sustainable Food Systems

(9:00 am – 11:30 am)
Science Library 240

Supporting sustainable food systems is an important undertaking because food purchasing choices touch on a number of environmental issues. Industrialized food production relies heavily on fertilizer, herbicides and pesticides to sustain crops in a monoculture environment. These materials can leach into groundwater and cause severe disruption to aquatic habitats. Food choices are also directly tied to energy consumption. Each stage in a product's journey from the farm to the plate – growing, harvesting, processing, packaging and transporting – requires energy inputs. Both farming practices and sourcing location drive the embodied energy of a food product. UCR is working to expand its local sourcing and sustainable procurement to support food systems that nurture bodies as well as the environment at a smaller carbon cost.

Gustavo Plascencia is the General Manager of Dining Services, and the Sustainable Food Systems Lead at UCR. He has a BA in Political Science from UCR, and has been a dining services employee since April 1992. Gustavo has been promoted from student employee to Senior Food Service Manager, and now General Manager. He began his fascination with sustainability during the Sustainability Conference 2006 at UCSB.

Procurement

(12:00 pm – 2:00 pm)
Science Library 240



UCR completes approximately 65,000 transactions annually totaling \$85 million. Roughly 90 percent of these purchases are executed

through the campus's online procurement system, UCR eBuy. This system is capable of tracking product characteristics and generating custom reports, a feature that will be enhanced in the future to populate UCR's chosen sustainable procurement metrics. This will provide the university with a robust understanding of its purchasing behavior and enable it to observe the effect of new procurement policies.

Humphrey Conant has 22 years of experience at UCR in the Housing Operations department. He was a maintenance supervisor with Housing Apartments for 14 years and has specialized in safety management, training, and project development for the last 8 years. Prior to coming to UCR he was a housing refurbishment contractor and business owner in the Corona and Riverside areas.



Recycling & Waste Management

(2:30 pm – 5:00 pm)
Science Library 240

UCR sends roughly 2,500 tons of refuse to landfills annually. A new recycling vendor has been selected to reinvent the campus' diversion programs and collection infrastructure. The university will also start diverting food waste, which currently mixes with general refuse. Goals for food waste diversion are reproduced in this section as well as the Food focus area.

Paul Courtney has been with the UC system since 1982. He instituted the Recycling program at University of California Irvine Medical Center before coming to UCR in 1991. Paul over the recycling program at UCR in 2007. He started the "Recycling Committee" that same year

Ed Trujillo has over 15 years of experience in Radiological and Chemical Hazardous Waste. He has served in positions such as Sr. Radiological Nuclear Waste and Decommission Specialist, Sr. Hazardous and Biological Waste Technician, and Hazardous and Radioactive Materials Emergency Responder Specialist. Ed has an Associate degree in chemistry from Santa Ana Community College. He has certifications in radioactive, hazardous waste management, and DOT hazardous materials, substances & waste management, and compliance.

Athens is UCR's new recycling vendor charged with implementing a new comprehensive waste and recycling program.

SATURDAY, APRIL 25, 2009



First Annual Sustainability Summit

(9:00 am – 1:00 pm)
Alumni Center
Arroyo Café

Overview

Environmental Health & Safety and the Chancellor's Advisory Committee on Sustainability is holding its First Annual Sustainability Summit. This year's theme is "Greenovation" and will focus on informing, inspiring, and engaging all members of the UCR community.

Chancellor

Timothy White, Ph.D.

Acceptance and promise of Sustainability Action Plan

Keynote speaker(s)

Jon Paul Roberts, Ph.D. is a Certified Energy Manager (CEM) and LEED Accredited Professional. He is currently the Director of Building Science at CTG Energetics. Dr. Roberts is an instructor in the UCR Extension Sustainable Development and Green Building Design professional certificate program. He was previously an Adjunct Visiting Professor in Environmental Studies at Pitzer College and an Energy Consultant on several energy, water, and environmental projects. He has a Ph.D. in Building Systems Program from the University of Colorado, a Masters in Engineering and a Bachelor of Science degree in Engineering from Harvey Mudd College. Dr. Roberts is also a Certified Electronics Technician.

Matthew St. Clair is the first sustainability specialist for the University of California's Office of the President, supporting sustainability efforts across the 10-campus UC system. Mr. St.Clair has a background in environmental policy and advocacy, working on international campaigns for Friends of the Earth Czech Republic and on renewable energy policy research at the Lawrence Berkeley National Laboratory. Matt holds a Masters degree in Environmental Policy from UC Berkeley and a Bachelors degree in Economics from Swarthmore College.

RSVP is mandatory for the Summit. Please RSVP at: <http://sustainability.ucr.edu/earthweek2009/rsvp.html>

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Guide to Workshops and the First Annual Sustainability Summit

The University of California Riverside is proud to present you with Earth Week 2009. The Schedule of Events begins with unveiling of the campus Sustainability Action Plan. Brief and informative workshops are scheduled each day. The week culminates in the First Annual Sustainability Summit, where Chancellor Timothy White is expected to speak on his commitment to sustainability. Join us for a week of refreshments, speakers, and workshops. All events are open to the public and FREE!

MONDAY, APRIL 20, 2009



Sustainability Action Plan (1:00 pm – 5:00 pm) Highlander Union Building 355

Overview

UCR's Sustainability Action Plan provides a detailed and actionable road map to sustainability that builds on the campus's successes and presents opportunities to develop new initiatives. Recommendations made in the plan are designed to facilitate UCR's achievement of goals set forth by the UC Policy on Sustainable Practice (UC Policy) and the American College and University Presidents Climate Commitment (ACUPCC). To that end, the document summarizes salient sustainability work happening across the campus, identifies additional measures the campus should pursue, and sets out implementation steps for achieving these goals. The document also identifies gaps in environmental performance data that UCR must close in order to adequately assess the attainment of its sustainability goals. This document is sectioned into nine focus areas that correspond to sustainability topics of concern to the university: built environment, energy and climate protection, water, sites, transportation, recycling and waste management, procurement, food, and academics and research. The plan is available online at: <http://sustainability.ucr.edu/publications/sustainabilityplan.pdf>

Presenter

Ross Grayson, MPH, CIH, REHS has over 25 years experience in the field of public health, and environmental health and safety. Prior to coming to UC Riverside he served at UC Santa Barbara, and at Santa Barbara County Environmental Health Department. Ross is on the Board of Directors of the Campus Safety, Health, and Environmental Management Association (CSHEMA). Ross has a Master of Public Health degree in Industrial Hygiene from the University of Minnesota, and a BS degree in Microbiology / Environmental Health from SJSU. He is also a Certified Industrial Hygienist and a Registered Environmental Health Specialist with the State of California.

TUESDAY, APRIL 21, 2009



Water Conservation (9:00 am – 11:30 am) Highlander Union Building 302

UCR is located in a semi-arid climate and receives about ten inches of rain annually. Potable water is supplied to the campus by the City of Riverside, which takes most of its water from underground aquifers in the San Bernardino/Riverside area. Historically, 60 percent the potable water used at UCR is applied to landscaping. As the strain on potable water resources grows with each passing year, the need for aggressive water conservation efforts and the deployment of new water-saving technologies heightens. Water consumption is also strongly tied to greenhouse gas emissions. In essence, saving water means saving energy. The Water focus area covers both landscape irrigation and indoor water use issues. Given that irrigation is a site concern that shapes many landscape design and maintenance decisions, outdoor water issues are covered here as well as the Sites section. Stormwater issues are discussed exclusively in the Sites section.

Joe Bernosky is the Director of Engineering for Western Municipal Water District. He has more than 25 years of professional experience with drinking water and wastewater utilities, industry, and consulting firms. He is a licensed professional engineer in California, Colorado, Oregon, and Washington, and a Registered Environmental Assessor in California.

Toshio "Tos" Ishida is the Assistant Director of Landscape & Refuse Service with Physical Plant at the University of California Riverside.



Energy Climate & Protection (1:30 pm – 4:00 pm) Highlander Union Building 302

In March 2007, the University of California signed the American College and University Presidents Climate Commitment (ACUPCC), pledging that all ten UC campuses will maintain greenhouse gas emission inventories and achieve climate neutrality as soon as possible. In conjunction with this commitment, UC adopted the systemwide interim climate protection targets to reduce greenhouse gas emissions to 2000 levels by 2014, and 1990 levels by 2020. The Energy and Climate Protection focus area serves as UCR's Climate Action Plan (CAP) to support the integration of climate neutrality into the campus's larger sustainability program. The goals contained in this focus area specifically target strategies for reducing emissions through energy projects, however, countless sustainability initiatives proposed in this document generate greenhouse gas emission reductions.

Patrick Simone is the Assistant Director of Energy and Utilities. He manages the Utility Operations & Maintenance Department (a.k.a., "Steam Plant") with Physical Plant at the University of California Riverside.

Anita Jensen, MM, CSP is the Associate Director / Accident Prevention Manager with Environmental Health & Safety. She has over 20 years of experience in Environmental, Health, and Safety. Anita has a Master of Management degree from the University of Phoenix, and a BS in Environmental Health from Western Carolina University. She is a Certified Safety Professional.

WEDNESDAY, APRIL 22, 2009



Built Environment (9:00 am – 11:30 am) Highlander Union Building 302

UCR is currently undergoing a period of rapid growth. The 2005 Long Range Development Plan (LRDP) anticipates that student enrollment will expand to 25,000 by 2015, a 96 percent increase over 2000 levels. The university plans to construct an estimated 8 million square feet of new facilities to accommodate the anticipated growth. To that end, UCR is beginning an aggressive built-out of the West Campus, which will include housing facilities, academic buildings, and a new medical school. The U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) program is the de-facto national rating system for sustainable building design and construction. UCR is adopting an ambitious goal to design and construct all new and renovation projects to a LEED Gold standard at minimum. This is to ensure projects meet the rigorous review afforded through third-party verification. By adopting Gold as its baseline standard, the university can take a strategic long-term planning approach that uses the LEED rating system to facilitate the development of an energy and resource efficient campus.

Richard Racicot, AIA is the Assistant Vice Chancellor of Design and Construction at the University of California Riverside.



Sites Workshop (1:30 pm – 4:00 pm) Highlander Union Building 302

The Sites focus area covers a range of topics that speak to the design and maintenance of UCR's grounds, landscaping, and hardscape. The content for this section is based on the U.S. Green Building Council's LEED program, which emphasizes a core set of site issues within the Sustainable Sites credit category. Maintaining continuity with the LEED program provides UCR with a framework for considering site topics that is consistent with a well-established and nationally-recognized program. Structuring the Sites focus area to mirror LEED should also simplify updating the Sustainability Plan to reflect new programs and practices that are adopted during future LEED certification efforts.

Jon Paul Roberts, Ph.D., CEM, LEED AP is a Certified Energy Manager (CEM) and LEED Accredited Professional. He is currently the Director of Building Science at CTG Energetics. Dr. Roberts was previously an Adjunct Visiting Professor in Environmental Studies at Pitzer College and an Energy Consultant on several energy, water, and environmental projects. He has a Ph.D. in Building Systems Program from the University of Colorado, a Masters in Engineering and a BS degree in Engineering from Harvey Mudd College.

Eileen Takata, RLA, ASLA is the Senior Physical Planner for UCR Capital & Physical Planning. She has over 15 years of professional experience as a campus planner, landscape architect in private practice, a watershed planner for multiple non-profit organizations and Orange County, an executive policy advisor, and an environmental strategist for public and private practice. Her body of work has included multiple watershed management plans, the San Gabriel River Master Plan, grant-writing for environmental restoration, planning, policy and education projects, developing sustainable policies, facilitation & consensus-building, strategic planning, special event planning and public speaking. She is a licensed landscape architect in California and earned her Masters in Landscape Architecture from Cal Poly Pomona and a Bachelor's of Landscape Architecture from Virginia Tech.

THURSDAY, APRIL 23, 2009



Alternative Transportation (9:00 am – 11:30 am) Highlander Union Building 355

Riverside County is faced with unique air quality concerns due to the regional topography. Air pollution that would be normally be dispelled by prevailing winds is instead locked in by bordering mountain ranges. Riverside County often exceeds federal and state standards for ozone and particulates, with the City of Riverside experiencing the greatest particulate concentration in the entire basin. Given the importance of preserving and improving regional air quality, UCR has established a variety of alternative transportation programs for the campus community including vanpool ridership, UPASS which allows students to ride any RTA bus for free, the Highlander Hauler shuttle, Metrolink rail system ride voucher discounts, Guaranteed Ride Home, Drop Off, and the Cyclist and Walker programs. Cleaning chemicals used to maintain UCR Fleet vehicles do not contain hydrocarbons. UCR also participates in California's annual Bike to Work Rideshare Weeks, and the Inland Empire's Commuter Services' campaign.

Irma Henderson is the Alternative Transportation Program Manager with the Transportation and Parking Services (TAPS) at the University of California Riverside.

Lance Danks is the Transit Services Manager with the Transportation and Parking Services (TAPS) at the University of California Riverside.

Wade Stern has been a Police Officer at the University of California Police Department (UCPD) for 7 years. His current assignment is a Crime Prevention Officer.



Academics & Research (1:30 pm – 4:00 pm) Highlander Union Building 355

The responsibility to educate students to think critically about sustainability issues and solutions is embedded within the mission of the University of California. Fully understanding these issues is an increasingly interdisciplinary exercise, requiring that faculty and students from all academic backgrounds incorporate and address sustainability concerns into their area of study. There currently are a wide range of UCR Environmental Science courses and study topics available. UCR Extension offers a professional certificate program in Sustainable Development and Green Design. The first course dedicated to sustainability launched in Winter 2009. There are also a variety of student groups and campus research units dedicated to exploring sustainability and environmental issues.

California Student Public Interest Research Group (CalPIRG) is a student group at UCR who, for over 30 years, has promoted problem solving, education experiences, and democratic citizenship. In just the past year CalPIRG has worked to clean up the state's most polluted rivers, lakes, and beaches. They have also worked to clean up the state's dirtiest power plants, exposed consumer rip-offs, won more financial aid money to make college affordable, and raised thousands of dollars for the hungry and homeless.

Sustainable UCR is a student group at UCR who have lobbied campus administrators to advance and promote sustainable programs. They have organized a vegetable-oil vehicle demonstration around the bell tower and are working toward bringing farmers' markets onto campus to support local, organic farming.