

# UCIRVINE | FACILITIES MANAGEMENT

# Working for You

Working For You is a quarterly communication from Facilities Management designed to share facility-related initiatives and encourage two-way communications.

Spring 2015

## Drought Planning: Campus Water Action Plan

In April, Governor Jerry Brown proclaimed a Continued State of Emergency throughout the State of California due to the ongoing drought. In response, University of California President Janet Napolitano issued a call for the University of California to further decrease water use systemwide.

UCI's Water Resources Working Group, led by Richard Demerjian, Director of Environmental Planning & Sustainability, has developed a Water Action Plan including future water reduction projects. Examples of completed projects include:

Facilities Management has converted one acre of turf at North Campus to drought-tolerant landscaping. North Campus was targeted because it is one of the few remaining state-funded areas that does not use reclaimed water for irrigation. This project is expected to save 510,000 gallons of potable (drinking) water per year, and its prominent location as an entryway to campus is intended to demonstrate that UCI is doing its part.

**North Campus Turf Removal 2015**



Project Overview

- Removing turf and planting with drought tolerant landscaping on North Campus where potable water is currently used for irrigation.
- Modifying existing irrigation system to accommodate drought tolerant landscape.
- Applying mulch and disconnecting irrigation in areas under heavy tree cover and in shaded areas.
- Additional benefits include a reduction in maintenance man hours.

Project Summary	
Total (\$F)	33,997
Potable Water Reduction (MGY)	510,000
Annual Utility Savings	\$734
Utility Incentive – SoCal Water Smart	\$68,000

Turf replacements throughout Student Housing communities began in 2011 but have increased with the urgency of the drought. In 2014-15, a total of 56,500 square feet of turf were replaced with drought-tolerant plants. These projects are expected to save 847,500 gallons of potable water per year and also involved student volunteers who were educated on the benefits of the plants selected. Additionally, weather-based irrigation controllers will be installed in all housing communities. When complete in June 2015, these upgrades will save an estimated 15,000 gallons each year.

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### Student Housing Projects



Project Summary	
Total (sq ft)	56,500
# Controllers	48
Rotary Nozzles	1,500
Annual Water Reduction (GPM)	867,500

**Turf Removals**

- 2014-2015 turf removals of 56,500 square feet
- Estimated 847,500 gallons saved/year

**Irrigation Upgrades**

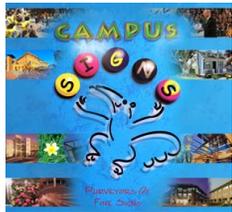
- Installed 1,500 rotary nozzles
- Replaced 48 controllers with weather based controllers
- Estimated 15,000 gallons saved/year

**Utility Incentives**

- SoCal Water Smart
- MWD rebate



[FM Sign Shop](#)



[EHS News - Motorized Carts](#)



Last fall Facilities Management launched the successful "Text to Conserve" water conservation project, which encourages the campus community to report water issues, such as broken sprinklers, over-watering issues and even under-watered areas on campus. Whenever you witness a water issue, text us [water@uci.edu](mailto:water@uci.edu). Photos welcome.

## Pest Infestation in Campus Trees



Tree Photo by: Monica Dinson, UC Cooperative Extension / Beetle image below by Gevork Arakelian, LA County Department of Agriculture

A large number of trees on campus have been infected with the Polyphagous Shot Hole Borer (PSHB), a destructive beetle recently discovered in Southern California. PSHB attacks by boring into the tree and depositing a fungus that damages or kills the host tree as part of the beetle's reproductive cycle. Infestation is characterized by numerous small round holes bored into the trunk of branches, usually accompanied by staining on the bark.

There is currently no effective treatment for trees infected with PSHB. Campus staff are working with UCI faculty biologists, UC Riverside faculty, and scientists from the UC Division of Agriculture and Natural Resources (UC ANR) to assess affected trees and to develop management strategies. UCI is serving as a field study site and working cooperatively with UC ANR to implement field trials for several experimental treatment programs.

As severely infested trees suffer irreparable damage to the tree's vascular system and serve as hosts for the spread of PSHB, the campus will remove infested trees following guidelines



established by UC ANR. Unfortunately, many large trees may have to be removed as part of the management process, but this is a necessary step in protecting the remaining healthy trees in our urban forest. Experimental treatment and prevention programs will place a priority on saving large mature trees, such as the 40- to 50-year-old native sycamore trees.

The campus is developing a program for planting replacement trees as information becomes available on PSHB-resistant species. Information on PSHB is available at: <http://eskalenlab.ucr.edu/>.

For more information about the campus infestation, see: [http://sustainability.uci.edu/wp-content/uploads/sites/5/2015/04/PSHBFactSheet\\_April2015\\_Final-2.pdf](http://sustainability.uci.edu/wp-content/uploads/sites/5/2015/04/PSHBFactSheet_April2015_Final-2.pdf).

## Smoke-Free Policy Implementation Update



About 17 months ago, our campus instituted the University of California's smoke-free policy. We are happy to report more than 95 percent compliance, making UCI a healthier, more productive environment. We also know there is more work to do in order to achieve our goal of 100 percent compliance.

To date, our enforcement efforts have focused on information and education. But, beyond that, the full implementation of this policy requires the consistent cooperation of our entire campus community. The [policy](#) itself calls for deans, department heads and managers to demonstrate leadership in attaining further compliance.

The Campus Smoke-Free Task Force plans to target "hot spots" and communicate the purpose and importance of the policy, as well as the smoking cessation resources available. These resources are available on an ongoing basis for those who request assistance. The [UCI Health Education Center](#) and [UCI Worklife & Wellness Program](#) in Human Resources both provide information. The California Smoker's Helpline at 1-800-NO-BUTTS (1-800-662-8887) is also available. Links to information about these and other cessation resources may be found at <http://www.fm.uci.edu/programs/smoke-free/index.html>.

## 2015 RecycleMania Results: UCI In the Top Ten!



The 2015 Nationwide RecycleMania competition has concluded. Out of more than 390 colleges and universities, UCI placed:

- 7th in the Grand Champion category, which measures the highest recycling rate for overall waste generation
- 6th in the Gorilla category, which measures the highest gross tonnage of combined paper, cardboard, bottles and cans

This is the fourth year in a row that UCI has placed in the top 10. Our aim is to challenge the competition and most importantly to improve and promote recycling on campus. To see how we compare with the competition, please visit the [RecycleMania results page](#).

For more information regarding campus recycling, please contact Anne Krieghoff at [akriegho@uci.edu](mailto:akriegho@uci.edu) or (949) 824-9097.

## Campus Improvement Project Out With the Old, In With the New

### Electrical Panel Replacement, Aldrich Park Rock Garden



Old electrical panel (left) and new electrical panel

The Facilities Management Electrical crew replaced the electrical panel at Aldrich Park Rock Garden. The new panel is projected to last approximately 20 years with little maintenance.

## Preventing West Nile Virus



Facilities Management, Environmental Health & Safety, and the Francisco J. Ayala School of Biological Sciences work closely with the Orange County Vector Control District (OCVCD) to minimize the threat of West Nile virus and other mosquito-borne diseases.

Mosquitos can carry and transmit infectious pathogens to humans and our mosquito inspector/application technicians monitor the campus to prevent and eliminate these pests. EH&S helps with prevention through education. OCVCD reduces the threat of diseases from mosquitos and other pests throughout the county. Other campus partners such as Housing and building facilities managers also play a key role.

West Nile virus transmission is most prevalent when mosquitoes are most abundant from May to October. The risk can be reduced by:

- Eliminating mosquito larvae breeding areas. See our [checklist](#) for guidance.
- Avoiding mosquito bites. See our [guidelines for avoiding mosquito bites](#).
- Treating areas where stagnant water cannot be drained or removed. Steps that minimize risks to the environment can be followed using [EPA guidelines](#).

## Meet the Facilities Management Sign Shop



Charles Casella, Sign Shop Signmaker (left) and Dan Crout, Sign Shop Assistant Supervisor

The Campus Sign Shop is a two-man operation that handles everything from single nameplates, to fire/life safety signage for new and retrofitted buildings, to scheduling and fabricating banners for light poles around campus.

With a 24"x48" rotary engraving table, a 60" wide outdoor-safe inkjet printer, a 60" wide UV laminator, and an extensive suite of signage tools and fabricators, Campus Signs works to meet all the campus' signage requirements.

Other products offered:

- Full-color printed banners, single and double-sided
- Printed decals and labels with 5-year UV protection
- ADA-compliant room and wayfinding signage
- Quarterly building directory updates
- Vandalized room signage replacement
- Indoor and outdoor window decals
- Vehicle logos
- Interior dimensional lettering
- Departmental logos
- Wall mounted acrylic posters
- Evacuation maps
- No food or drink signs
- Safety/emergency signage

You name it, we can make it! Give us a call at 949-824-4871, or send an email to [signshop@uci.edu](mailto:signshop@uci.edu). We'll set up a meeting at your office to learn about your needs.

## Environmental Health & Safety Newsletter



## Campus Motorized Car Drivers

Environmental Health & Safety would like to remind operators of motorized carts/low-speed vehicles that safe driving is critical to prevent accidents, injuries, and damage to university property. Please note the following:

- University motorized carts/low speed vehicles are prohibited from leaving the main campus.
- When driving a cart at night or in the early morning hours, remember to turn on your headlight for increased visibility.
- Yield to pedestrians at all times. They always have the right-of-way.
- Weaving in and out around pedestrians at a high rate of speed can result in a loss of your driving privileges. This is enforced by UCI Police and EH&S personnel.
- The use of cell phones (for calling or texting) or hand-held radios is prohibited while the vehicle is in motion.

Operators are required to undergo training every three years and must possess a valid Class C California driver's license. Training is available at [www.uclc.uci.edu](http://www.uclc.uci.edu). Please refer to the color-coded map of approved cart driving areas on campus: <http://www.ehs.uci.edu/programs/safety/ElectricCartSafeRoads%20Map.pdf>

Detailed information on the Motorized Cart/Low Speed Vehicle Program is available at: <http://www.ehs.uci.edu/programs/safety/motorizedcarts.html>. Contact EH&S at (949) 824-6200 if you have any questions.

## Facilities Management Hours of Operation

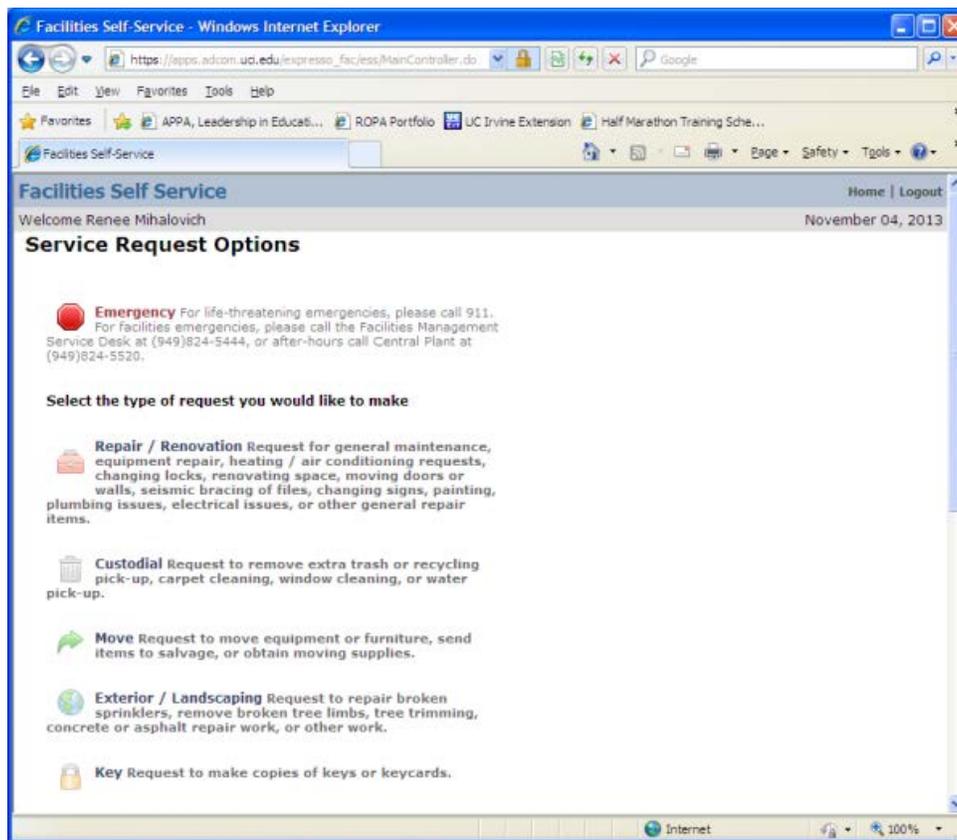
Need to know the hours of operation for different Facilities Management units? Check out our hours listed on our [webpage](#).

## Requesting a Facilities Management Service



Jeri Franz and Sarine Dadourian

- You can contact one of our Customer Service Representatives (pictured above) at the Service Desk (949) 824-5444 between the hours of 7 a.m. and 4:30 p.m. or
- Submit an online request (pictured below) to the [Facilities Self-Service Work Order Request System](#) (UCInetID is required).



- In the event of an after-hours emergency, please call the Service Desk at (949) 824-5444 or Central Plant at (949) 824-5520.

[The Facilities Management Maintenance Funding Guide](http://www.fm.uci.edu/files/maintenance_funding_guide.pdf) can help answer questions regarding services we provide. This list differentiates between services that are centrally funded (paid for by state funds) for state-supported space and those services that are charged to the requesting unit. This list also provides a prioritization of services to help assist you in managing expectations for the work we provide. The Facilities Management Maintenance Funding Guide can be found at [http://www.fm.uci.edu/files/maintenance\\_funding\\_guide.pdf](http://www.fm.uci.edu/files/maintenance_funding_guide.pdf)

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