



## CHESC 2014 – Taking Stock on Climate Action and Water

From June 16th to June 19th, over 700 students, faculty, and staff from colleges all over California met at San Diego State University for the annual California Higher Education Sustainability Conference (CHESC). Carbon neutrality and drought were uppermost in the minds of attendees, and this year’s awards and presentations focused on successful strategies for reducing energy and water consumption.

Vice President Patrick Lenz presented UC with twelve **Best Practice Awards** in areas such as green building design, energy efficiency, water conservation, and waste reduction. The UC Best Overall Sustainable Design award went to the zero net energy UC Davis Jess S. Jackson Sustainable Winery Building. Designed to meet net-zero carbon and water goals, the project is pursuing a Living Building Challenge Net-Zero Certification. The building’s water strategy includes harvesting rainwater and treatment and reuse of all process water. UC Davis, UC Santa Cruz, and UC Santa Barbara received awards for energy efficient laboratory projects in the categories of HVAC retrofit, lighting retrofit, and monitoring-based commissioning, respectively, and UC San Francisco received an award for a laboratory water efficiency project.

The UC Sustainability Champion award this year recognized Wendell Brase, Vice Chancellor for Administration at UC Irvine, for his climate action leadership. Brase championed a “Smart Labs” program that has demonstrated 50% or greater energy savings in laboratory buildings on the Irvine campus. Brase also co-chairs President Napolitano’s new Global Climate Leadership Council, which guides the University to implement the 2025 Carbon Neutrality Initiative.

*Matt. St. Clair*



*Vice President Patrick Lenz (right) presents a Lighting Retrofit Best Practice Award to Sarah Gilchrist and Patrick Testoni of UC Santa Cruz for the Physical Science Building Laboratory Automated Lighting Conversion Project. The project’s customized upgrades included wireless lighting controls for lab spaces, wireless controls and daylighting sensors in hallways and atriums, and LED retrofits of recessed downlights.*

## Payment of UCIP Premiums



A clarification has been made to the University Controlled Insurance Program (UCIP), which provides construction-phase insurance for capital projects when the total of construction work is \$25 million and over.

Premiums are paid at the time of the first Notice to Proceed, or when the first construction work is about to commence. Premiums should not be paid during Phase 1 (preliminary plans and working drawings phases) of CM at Risk contracts, nor during Phases 1 & 2 (ditto) of Design-Build contracts. UCIP premiums are due at the time of issuance of a Notice to Proceed for Phase 2 of CM at Risk or Phase 3 of Design-Build contracts.

Because UCIP does not provide insurance coverage for the early phases of CM at Risk and Design-Build contracts, the GC/CM or Design Builder is required to provide insurance during that time. For more information please consult the UCIP Manual at: [http://www.ucop.edu/constructionservices/\\_files/ucip\\_insurance\\_manual.pdf](http://www.ucop.edu/constructionservices/_files/ucip_insurance_manual.pdf) or contact UCOP Construction Services. *Dylan Paul*

## Augmentations

Recently, senior administrators and approvers have voiced concern about budget augmentations for UC capital projects; there is a perception that most augmentations could be avoided with more attention to accountability and better management. In response, submittals of requests for budget augmentations, regardless of the approval level of the action, need to be well-supported with full and accurate information. In requests for augmentations, the following must be included:

- Root causes of the increase with breakdown of costs for each;
- Lessons learned; and
- Procedures to be implemented to avoid future augmentations.

The root causes of the augmentation should be explained in the item. Accompanying the item, please include a memo addressing the lessons learned and procedures to be implemented to avoid future augmentations. We realize that all projects are different and have unique circumstances; please call your capital planner at UCOP as early as you can to discuss anticipated requests and any specific issues, so that we can collaborate with you for a successful approval.

*Brian Ross*

## Delegated Process Users Guide

Capital Planning and Design Services have recently developed a **Delegated Process User Guide** (User Guide), revised the related **Delegated Process Checklist**, and produced **Guidelines for Minor Amendments to Campus Physical Design Frameworks** as ongoing continuous improvements of the capital process. Each document incorporates input from numerous campus stakeholders and UCOP reviewers (CRM, CMF, and OGC) that has been received over the last few years. Please use the newly revised checklist (v 3.2) for your next Delegated Process submittal. It is our hope these documents will be useful in supporting the collaborative nature of the process. Please direct comments or questions on these new/revised documents to **CRM-DelegatedItems@ucop.edu**. Please continue to bring project-specific inquiries directly to your capital planner, and feel free to do so as early as possible. *Dana Santa Cruz*

## Storm Water Management Webinar

All main UC campuses are “Non-Traditional Small Municipal Separate Storm Sewer (MS4) Permittees,” as designated by the State Water Resources Control Board, and are required to comply with Post-Construction Storm Water Management regulations. Permittees’ development must comply with site design measures: low impact development, alternative post-construction storm water management, and operation and maintenance of post-construction storm water management. This applies to all work that creates or replaces 2,500 sf or more of impervious surface, and applies to maintenance and repair as well as capital improvements.

CRM, in collaboration with campus EH&S units, is hosting two webinars on storm water management this August. We encourage campuses to convene interested parties for this event, and to follow the webinar with their own campus-specific discussion. Capital planners, physical and environmental planners, project managers, and campus facilities managers can all benefit from this offering. Join us on either August 15th or 25th for one of these 90-minute trainings.

*Charlotte Strem*

Webinar information: <http://www.ucop.edu/construction-services/programs-and-processes/cpi/index.html>

## Cost Comparison Information Available

The Capital Planning Unit has updated the Cost Comparison data sheets available at: <http://www.ucop.edu/capital-resources-management/capital-projects-portal/cost-comparisons/index.html>. These replace the former “benchmark” datasheets and provide basic project cost information on building types including classroom/office, laboratory, housing, parking, performing arts, recreation/student center; and hospital/heath. The update includes example projects through the end of FY 12/13, and is based on information provided during the budget approval process (CIBs, PPG, and additional material). Costs can be adjusted to any CCCI to assist with current project planning. The spreadsheets will be updated periodically; however, users of the enhanced Capital Projects Database can generate the report on demand, and have access to more historical data. We encourage users to explore this powerful reporting tool. If you have questions about access to the Capital Projects Database, please contact the Capital Planning Director on your campus. We invite additions or corrections to the Cost Comparison sheets to be submitted to your capital planner. *Carey Barker*

KEY DATES

**AUGUST**

**14** OAKLAND  Design Strategies and Cost Impacts of the 2013 Energy Codes for UC Capital Projects

**15**  Webinar on Stormwater Management for Construction Sites

**22** UC IRVINE  Design Strategies and Cost Impacts of the 2013 Energy Codes for UC Capital Projects

**25**  Webinar on Stormwater Management for Construction Sites

**SEPT**

**3**  Delivery Methods and Contracts for Project Managers

**17**  Delivery Methods and Contracts for Project Managers

**17-18** SAN FRANCISCO MISSION BAY **REGENTS MEETING**

## 2013 CALIFORNIA ENERGY CODE IMPACTS AND STRATEGIES



## CODE CORNER

The new California Energy Code, effective 7/1/14, mandates significantly better energy-efficiency performance in new buildings, trending toward zero-net energy commercial buildings by 2030. The learning curve for the new code is expected to be steep. In response, UCOP Design Services commissioned a study, led by Guttman & Blaevoet, on design strategies and cost impacts to meet and exceed code by 20% per UC policy. The new code’s major strides in energy efficiency requirements complement UC President Janet Napolitano’s Climate Change Initiative to make the University carbon-neutral by 2025.

The study team will be presenting their findings in two upcoming CPI trainings, in Oakland on August 14 and in Irvine on August 22. The trainings promise to be lively and packed with information for immediate use on capital project planning and design. Capital Projects, Facilities Management, Capital Planning, and all interested staff are encouraged to attend.

The Guttman & Blaevoet study report is being finalized and will be accompanied by an Excel workbook listing significant code changes, analyzing their impacts, suggesting strategies where appropriate for meeting the new requirements, and estimating cost impacts (both hard and soft costs). We anticipate distributing the report and workbook to the campuses at the training sessions.

*Catherine Kniazewycz*