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## SAO eNews / May 2011

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### SAO Energy Services pilots smart metering system

[SAO Energy Services](#), in conjunction with the [Office of Real Estate and Planning](#), participated in the successful installation of a live web-based energy dashboard system to measure power consumed by the Secretary of State's office complex in the Continental Plaza building in downtown Columbus.

The energy-tracking tool incorporates the use of advanced smart meters and sensors to track energy consumption and environmental factors, including weather data such as temperature and humidity levels outside the building and on office floors. Energy data is gathered and stored every 15 minutes and will remain for five years.

In an effort to engage the people working in the Secretary of State's office and to enhance the agency's ability to better understand energy consumption, live data is available online at <http://continental.energytrack.org> and via HDTV displays (above) located strategically in areas of the building where most of the office occupants pass on a regular basis.

The [Ohio Green Lease Program](#) supported this project through the Federal Market Transformation Grant administered by the Ohio Department of Development. The Ohio Green Lease Program is a pilot program designed to better align landlord and tenant incentives toward energy efficiency by sharing costs and benefits from energy efficiency projects in a mutually beneficial manner between the state and participating landlords in state-leased facilities. Lessons learned from the pilot program will be promoted to local governments and the private sector, and training will be provided to commercial realtors and building owners.

For more information about this project, contact SAO Energy Services Specialist Patrick Love at [patrick.love@das.state.oh.us](mailto:patrick.love@das.state.oh.us).

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## OAKS CI offers live online training sessions

The OAKS Capital Improvements (OAKS CI) team has begun offering live training sessions online. These sessions are one hour in length and cover specific topics for select users of the OAKS CI system, including, but not limited to, agency representatives, professional design firms, contractors, project managers, project coordinators and fiscal staff.

On May 4 and 11 respectively state agency representatives and contractors learned about the proper processing of payment requests. Below is an upcoming session for professional design professionals on the submittals business process. Submittals include product data, cost estimates, schematics, diagrams, schedules, shop drawings and other documents important for the successful completion of a construction project.

- May 18, 9:30 to 10:30 a.m. – Architect/Engineer Submittal Review

To log on to a session, go to the SAO website at <http://ohio.gov/sao> and click on Training and Outreach Calendar. A link is provided for each session. Pre-registration is not required and there is no cost associated with these classes.

Additional live training sessions will be announced periodically and posted to the website listed above.

The OAKS CI group continues to offer classroom instruction and pre-recorded WebEx training opportunities for all users of the OAKS CI system. Classroom training is scheduled through the project manager or project coordinator assigned to each project. Pre-recorded WebEx trainings are available at the above website.

For more information about OAKS CI, go to <http://ci.oaks.ohio.gov>.



## Energy rules update

In January 2007, Executive Order 2007-02S was issued which addressed the state's energy policy and energy utilization. This executive order expired when Governor Kasich began his term in January.

Therefore, interested parties should refer to [Ohio Administrative Code \(OAC\) 123:4](#) for guidance. The rules contained in OAC 123:4 establish requirements, procedures and guidelines for minimizing energy consumption in state-owned, -funded and -leased facilities in a cost-effective manner.

For more information, click on the link above or go to <http://codes.ohio.gov>.

## Spotlight on Ohio University



Over the past decade, the State Architect's Office and Ohio University have collaborated on constructing and renovating numerous buildings for the -university.

Most recently, the university, with the assistance of the State Architect's Office, completed construction of the Charles R. and Marilyn Y. Stuckey Academic and Research Center (ARC), located on the West Green at the university's Athens campus (left).

The \$34.5 million center features 89,000 square feet. It was designed to house the College of Engineering and Technology and the College of Osteopathic Medicine. Within this building are 22 laboratory spaces, classrooms, conference rooms and a large atrium with a café area.

In 2008, the university completed a 28,000-square-foot addition to Porter Hall. Porter Hall was originally constructed in 1959 to house the botany, geography, geology and psychology departments. It underwent an extensive renovation in 1993 and became home to the Psychology and Environmental and Plant Biology departments, as well as the Psychology and Social Work Clinic. The \$5.8 million addition enabled the Psychology Department to consolidate its testing and research facilities into one five-story facility. The addition includes 24 research labs, classrooms dedicated to lab-based courses and computer instructional labs.

From 2005 to 2007, SAO worked with Ohio University to construct Adams Residence Hall (right), located on the Athens campus between Nelson Dining Hall and the tennis courts.

Adams Residence Hall was named after Alvin C. Adams, who in 1959, became the first African-American graduate of the Ohio University School of Journalism. It features 180 rooms and houses more than 350 students.



The \$19.6 million residence hall includes a veranda, a portico, high ceilings, a sink in every room, disability access, space-saving furniture, elevators, flexible meeting and study space, and two student lounges on each floor. Other building features include a state-of-the-art fire alarm and sprinkler system and a spacious parking garage.



A new student center and parking garage was completed in 2006 with the construction of Baker University Center, located at the intersection of Mulberry Street, Court Street and Park Place at the Athens campus.

Baker University Center (left) is named after John Calhoun Baker, who served as the fourteenth President of Ohio University, from 1945 through 1961. This new student center replaces the original Ohio

University Baker Center, which was built in 1953 and dedicated in 1954 in honor of then Ohio University President John Calhoun Baker.

This \$47.8 million building consists of 292,000 square feet and serves as the connector between the upper and lower campus area of the Athens campus. It includes a dining facility that can accommodate up to 400 persons. Other features of this student center include a coffee house, game room, ball room, meeting spaces, gift shops, the Trisolini Art Gallery and a parking garage. The exterior reflects back to a Georgian Renaissance style of architecture with the blend of brick, soldier brick and stone, arched entrance ways, six-paned sash windows and dormer window in the upper floors.

SAO and OU are currently collaborating on an extensive two-phase renovation of the former Baker Center which will become the new home for the Scripps College of Communication. The \$18 million project is being designed to earn the U.S. Green Building Council's LEED silver rating.

Another extensive construction project managed by OU and SAO was the renovation and expansion of Grover Center (1999 to 2001). Constructed more than 40 years ago, the original Grover Center included a basketball arena and housed the university's physical education program. The arena was later moved to the Convocation Center and Grover Center continued to serve the physical education and intramural sports programs.

Grover Center (right) now includes approximately 200,000 square feet and houses the College of Health and Human Services, which includes the Recreation and Sport Sciences program and five other educational programs.



The \$24.5 project includes classrooms and laboratory areas for nearly 1,600 students, approximately 50 offices, six conference rooms, a public dining area and exercise facilities. The brick exterior mimics the Georgian flavor seen elsewhere on OU's main campus.

Ohio University and SAO have collaborated on numerous other projects for the university in the last 10 years, including the Life Sciences Research Facility (2006) and the Bentley Hall Rehabilitation and Addition project (2004).

For more information about Ohio University, go to <http://www.ohio.edu>.