

OSU launches energy conservation program

Students, staff and faculty asked to join system-wide effort

A comprehensive energy conservation initiative expected to save more than \$22 million over the next seven years is well under way throughout the OSU System.

Many building environmental systems already have been adjusted to limit consumption, and the next implementation stages of the program developed in partnership with Energy Education Inc. will ask all faculty, staff and students for action.

"EEI's program in no way requires us to compromise the university's research and education mission. We will not limit laboratory operations or disrupt essential activities," said Interim OSU System CEO and President Marlene Strathe. "Most of the changes, such as establishing building heating and cooling schedules according to seasons and times of occupancy, will go largely unnoticed."

The program, including standardized best practices and guidelines that promote responsible energy management, is designed to limit utility energy consumption primarily when buildings and spaces are unoccupied.

EEI consultants have worked with OSU Physical Plant Services staff for several months assessing buildings and mechanical systems and equipment in developing the conservation program. Energy managers at every campus – five in Stillwater and one each in Tulsa, Okmulgee and Oklahoma City – are guiding its implementation.

"We're learning class and building occupancy schedules and setting back heating, ventilation and air conditioning schedules and the air handling systems to accommodate occupancy, which we're approaching one building at a time," said Jenny Gililland, an energy manager on OSU's Stillwater campus. "By coordinating schedules for when people are

actually inside, we have significantly reduced energy consumption for many buildings."

"We're moving on to lighting and other electricity usage issues, and ultimately, we'll have a strategic plan for every building that will include implementation procedures," Gililland said.

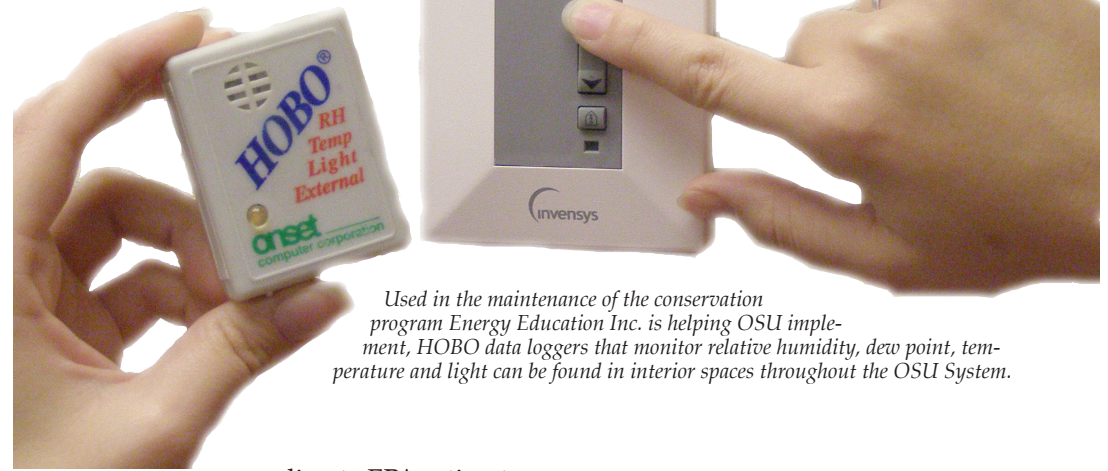
Setting the power management function on 100 computers and monitors, enabling them to enter low-power, sleep mode during inactive periods, can save enough electricity to light more than 30 homes for one year,

is consumed is a key component of the Energy Education program.

"Hopefully, the awareness will turn into ownership," Self said.

Strathe added, "By all of us working together, OSU can become a model of thoughtful stewardship, not only of natural resources and the environment, but also taxpayer and tuition dollars."

Regular reports on how well the conservation program is working will be made available to build-



Used in the maintenance of the conservation program Energy Education Inc. is helping OSU implement, HOBO data loggers that monitor relative humidity, dew point, temperature and light can be found in interior spaces throughout the OSU System.

according to EPA estimates. And the 48-ton reduction in carbon dioxide emissions is the equivalent of removing nine cars from the road and planting 13 acres of trees.

For OSU, where five campus grids support thousands of computers, such a small, simple measure to conserve can have a substantial impact, according to Garrett Self, EEI vice president.

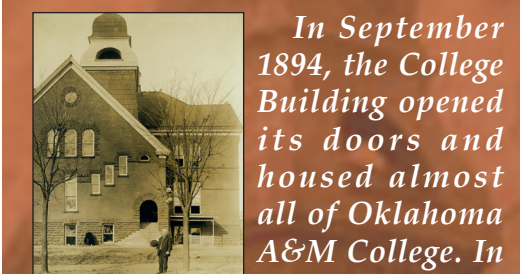
Making everyone aware how much energy

ing occupants, with the first expected to be released later this month. The energy managers will continue performing energy audits while compiling information gathered from sensors and monitors measuring relative humidity, temperature and dew point in interior spaces.

For more information on the OSU energy conservation program, to read the guidelines or contact one of the energy managers, visit www.pp.okstate.edu/eem.

OKLAHOMA STATE Portraits

Celebrating the Centennial: OSU contributions



In September 1894, the College Building opened its doors and housed almost all of Oklahoma A&M College. In 1929, the historic building underwent its first renovation and was renamed Old Central. Today the home of the Oklahoma Museum for Higher Education, the oldest permanent building on campus will soon house the OSU Honors College.

On Wednesday, Oct. 10 a dedication ceremony will take place to celebrate the building's latest renovation.

Oklahoma State Portraits: Celebrating the Centennial of Oklahoma Statehood is filled with profiles of people who helped shape the STATE's university and the state of Oklahoma. The book is dedicated to Old Central.

Nanotechnology needs unite OSU-Okmulgee, Career Tech

OSU-Okmulgee and the Oklahoma Department of Career and Technology Education have partnered to address employment demand in the nanotechnology products and services market, estimated to reach \$1 trillion in the U.S. economy and require up to two million new workers by 2010.

The pair have launched the Oklahoma Nanotechnology Education Initiative, and endeavor that recently received a boost from a \$598,000 Advanced Technological Education grant from the National Science Foundation.

OSU-Okmulgee President Bob Klabenes said the grant helps address major issues in creating the highly skilled technicians needed to meet the demand of emerging nanotechnology companies in Oklahoma.

"We have to develop awareness and excitement among middle school and high school students about the enormous career opportunities this field will offer," Klabenes said. "Then, we have to have sophisticated teaching facilities and labs so that students can have hands-on learning experiences with extremely complex equipment."

Scientists predict that nanotechnology, or the manipulation of materials at the molecular level, will surpass the scope of the computer revolution, affecting everything from manufacturing to health care. Oklahoma is already site of cutting edge research in a number of nanotechnology areas, including medical treatments, advanced materials and energy.

The three-year grant will help the CareerTech system infuse microtechnology and nanotechnology into pre-engineering academies and manufacturing, aviation, health care, and automotive courses.

OSU-Okmulgee is locating nanotechnology labs and classrooms in a new building on campus. The facility will be equipped with several types of atomic force microscopes, specialized software for analyzing nano materials data, a scanning tunneling microscope and a fiber optic spectrophotometer system.

Students at OSU-Okmulgee will be able to complete an associate in applied science degree in nano scientific instrumentation through the Engineering Technologies Division.

Higher Ed. Hall of Fame honors OSU trio



B. Curtis Hamm



Jeanine Rhea

Former OSU business professors B. Curtis Hamm and Jeanine Rhea and the university's first female graduate, Jessie Thatcher Bost, were honored during the 2007 Oklahoma Higher Education Hall of Fame induction ceremony and dinner. The Oct. 2 event was held at the Oklahoma History Center in Oklahoma City.

Hamm, emeritus professor of marketing, and Rhea, emeritus professor of management, were among 10 individuals selected this year for Hall of Fame induction, the state's highest honor for educators. Thatcher Bost, who

graduated from Oklahoma A&M College in 1897, was posthumously honored with a Special Recognition induction for being Oklahoma Higher Education's first female graduate.

Hamm taught at OSU for more than 38 years and led a major expansion in the business school's extension efforts. In 2004, he became the first OSU professor to be honored with a fully endowed \$250,000 scholarship in his name. Hamm has traveled and lectured extensively and is working to secure funding for a new building for the Spears School of Business.

Rhea, who started working at OSU in the 1970s, broke new ground with courses that promoted diversity and leadership by women and minorities. She also was instrumental in establishing the annual Women's Business Leadership Program. The namesake for a fully funded scholarship endowment at OSU, Rhea was inducted into the Oklahoma Women's Hall of Fame earlier this year.

Started in 1994, the Oklahoma Higher Education Hall of Fame has welcomed 145 leaders who have excelled in higher education, and who have encouraged others to contribute to the economic development and quality of life in the state. It is sponsored by the Oklahoma Higher Education Heritage Society.



United Way Impact

The United Way touches thousands of lives in the OSU and Stillwater communities through its member agencies.

- Mobile Meals served 23,410 meals last year to nearly 150 individuals who are elderly or recovering from hospitalization
- Domestic Violence served more than 2,400 men, women and children.
- Hospice helped 305 individuals and their families deal with the pain of a terminal illness.
- CASA made a big difference in the lives of 151 abused and neglected children in DHS custody in the Stillwater area.
- The Community Health Center provided more than \$1-million in health care, dentistry, prescriptions and eye exams for the medically underserved.
- The Sheltered Workshop made it possible for 245 men and women with physical or mental challenges to hold a job and take home a pay check in Stillwater.

Please consider giving to the OSU United Way campaign.

Academics at a glance. . .



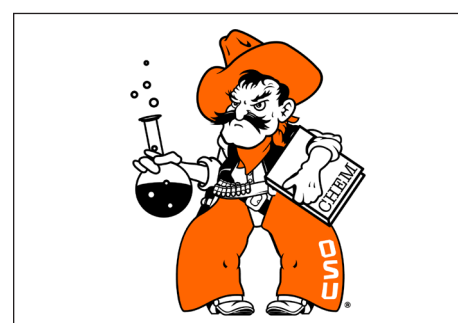
School of Journalism and Broadcasting, Arts and Sciences

Offers a bachelor's degree in journalism and broadcasting with options in public relations, news-editorial/broadcasting and advertising and a master's degree in mass communications • 15 faculty and approximately 523 undergraduate and 25 graduate students • DEPARTMENT HEAD: Dr. Tom Weir (2002) • Formed this year, the school's student Ambassadors Group leads tours for prospective students and their parents, participates in university recruitment events and makes site visits to state high schools.



School of Educational Studies, Education

Offers bachelor's, master's, Ph.D. and Ed.D. degrees in educational studies with options in aviation and space education, school administration, higher education, college student development, research and evaluation, curriculum and social foundations • 27 faculty and approximately 281 undergraduate and 226 graduate students • DEPARTMENT HEAD: Dr. Bert Jacobson (2001) • The school is home of the OSU Flying Aggies, a group that has dominated National Intercollegiate Flying Association regional and national competitions since the 1950s.



Chemistry department, Arts and Sciences

Offers bachelor's, master's and Ph.D. degrees in chemistry • 16 faculty and approximately 39 undergraduate and 51 graduate students • DEPARTMENT HEAD: Dr. Neil Purdie (1979-1980, 1981-1989, 1997-present) • Just eight people have served as head/chair of the department over the past 86 years, with Otto M. Smith, Otis Dermer and Purdie accounting for 68 of them.