UNPLUG Competition Kicks Off February 22

Students living in on-campus residence halls and apartments will participate in the second annual UNPLUG competition, a month-long energy conservation competition to reduce energy consumption by making small adjustments in their behavior between February 22-March 22.

The College of Engineering is sponsoring this year’s event, and students from the Environmental Conservation Organization (ECO), Students in Free Enterprise (SIFE), and Freshman Leadership Council (FLC) will read meters at the 19 buildings involved in the contest.

The LSU Office of Facility Services will receive an ELP Environmental Leadership Award in March 2010 from the Louisiana Department of Environmental Quality’s Environmental Leadership Program (ELP) for its submittal of the first annual UPLUG Energy Conservation Competition. These awards recognize outstanding environmental achievements in pollution prevention by schools and universities. The 2009 competition resulted in an average 18 percent reduction in energy consumption and an estimated $13,763 in savings.
FACILITY & UTILITY OPERATIONS

Deferred Maintenance Project Status
The following projects have been completed and were designed to increase energy efficiency and occupant comfort

**E.B. Doran**
Three multi-zone air handlers were replaced and direct digital controls were installed on each unit. The units were selected and installed based on the current building loads.

**Electrical Engineering**
The air handler unit serving the first floor was replaced using a variable air volume (VAV) system with direct digital controls. The ceiling and lighting in the hallway was replaced dramatically improving the look of the area.

**Energy Center**
Replaced the existing chiller and air handler with a variable air volume system which allows for better temperature control throughout the building. All exposed duct work in the building was re-insulated improving the efficiency of the system and the appearance of the space.

**Lab School**
Two new cooling towers are currently being installed and will serve the old and new chillers serving the school. A temporary chiller is in place to serve the students and faculty during the installation. Installation of the towers will be complete by the end of February.

**Life Sciences**
Currently working with design engineers to improve ventilation in the building. The building has several large 100% outside air units that are not receiving enough outside air.

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**JANUARY ENERGY RATES (AUXILIARIES)**

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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Gas</td>
<td>$10.13/MCF</td>
<td>$7.16/MCF</td>
<td>29.34% Decrease</td>
</tr>
<tr>
<td>Electricity</td>
<td>$0.0783/KWH</td>
<td>$0.07452/KWH</td>
<td>4.82% Decrease</td>
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**Safety Training**
Staff received annual training on Radiation Safety in February. Mary Haik from Nuclear Science conducted the class.

**Student Government**

**Lighting Walk**
March 4th at 7:00 p.m.

Students and representatives from Student Government, Facility Services and Parking will locate and report poorly lit areas of campus.
FACILITY & UTILITY OPERATIONS

Facility Services to Apply for ARRA Funds Through State Energy Program

In February 2009, President Obama signed into law the American Recovery and Reinvestment Act (ARRA) of 2009 as part of his overall stimulus plan. This act set aside $3.1 billion for energy projects and $71.7 million of that amount has been awarded to Louisiana. Of that amount, $25.7 million will be awarded via a competitive grant process to increase the energy efficiency of state buildings.

The LSU Office of Facility Services has passed a number of preliminary screenings in applying for this funding and is now preparing for the final application process. They are proposing eight projects at a total estimated cost of $3.1 million, which could result in energy savings of $1.2 million per year in operation and maintenance costs. These projects would also reduce LSU’s carbon emissions and increase the reliability/efficiency of the HVAC services in a number of buildings.

Final applications are due March 12 and grants will be awarded March 26. All projects must be complete by April 2012. The Louisiana Department of Natural Resources (DNR) is managing the program with assistance from the Shaw Group.

Powerhouse-Gas Turbine Chiller Control Replacement

The control system for the 6,100 ton gas turbine chiller has been replaced with a state-of-the-art control system. Waste heat from the turbine is recovered and used to produce steam for the campus. Since installation of the cogeneration system was completed, it is used when the cogeneration system is down for maintenance and for peak savings of cooling and electric demands.

The new system was installed by Johnson Controls and has PC interfaces rather than dials and gauges. It will be equipped to remotely monitor the equipment and keep it operational.

Sewer Transfer Project On Tap

The East Baton Rouge Department of Public Works is closing the Central Wastewater Treatment Plant on River Road, just northwest of the campus. Subsequent to the closure, they will need to transfer the sewer treated at this location via force main to the South Wastewater Treatment Plant on Gardere Lane. The planned route for this line will take it through LSU property. Once complete, it will eliminate operational problems with LSU’s existing sewer force main, significantly reduce the scope and cost defined in the current Capital Outlay to replace the sewer force main, reduce energy costs associated with pumping sewage to the Central Plant and decrease environmental risk by eliminating the existing EBR force main routed across University Lakes.
FACILITY RESOURCES

Project Status Snapshot

Student Rec Center-Locker Room Renovation
- Lighting, painting and partitions are complete
- Shower replacement scheduled for Spring Break week

Basin Research Project
- Rebuilding of lab is complete
- Occupants are being moved into building

Hatcher Hall-Strategic Initiatives
- Renovation of the north wing is complete
- Occupants will be moved into space 2/23

Johnston Hall-LEO
- Installation of flooring in progress
- Estimated date for project completion is 2/26

Prescott Hall-Renovation
- Phase I is complete
- Estimated start date for Phase II is 5/23

South Campus-EA Sports
- Rough in is in progress
- Estimated completion date is 3/12

Facility Services employees continue renovations at South Campus for the EA Sports expansion project.

Renovations of the second floor of Hatcher Hall are complete and staff from Strategic Initiatives are moving into the space.
FACILITY DEVELOPMENT

Project Status

Res Life Summer 2010 Projects-Bid Date
- Evangeline-Interior & Sprinkler 3/24/10
- Jackson-Toilets 3/2/10
- Louise Garig-Toilets 3/2/10

ADA-Office of Civil Rights
- Final report sent to Heath Price 2/19

Architectural Selection Board-February 24
- FETI

Engineer Selection Board-April 7
- Frey Computing Services
- South Campus (Mechanical)

Capital Projects-Design
- Atkinson-Elevator & Toilets May 2010
- Chemical Engineering-FPC reviewing
- Parking Garage-Meet B&N 2/24

Capital Projects-Construction
- Business School-NTP March 1
- Choppin (AHU) Crane in place
- ELAB-In construction

Parking Projects
- Indian Mounds-In design
- South Coates-In design
- FDDC approved both projects

Capital Projects-Anticipated Bid Date
- Band Hall April 2010
- Choppin Annex April 2010
- Life Sciences (6th Floor) April 2010

Foundation Projects
- Hilltop-Pending approval by FAS & Dean
- Lab School (Gym)-Bids 2/25

Toilets installed as part of a deferred maintenance project to provide ADA compliant restroom facilities at HP Long, Howe Russell and Audubon Hall.

Regular flush of 1.6 gallons per flush if handle is pushed down as normal
Reduced flush of 1.1 gallons per flush if handle is pushed up

Architect GD Architecture
Contractor Block Construction
FACILITY DEVELOPMENT

BUSINESS SCHOOL COMPLEX GROUNDBREAKING SET FOR MID MARCH

The LSU E.J. Ourso College of Business will break ground on its new Business Education Complex on March 19. Through extensive fund raising and a $30 million capital outlay commitment by Governor Bobby Jindal, the college is ready to break ground on the new complex.

The 156,000-square-foot new facility will be a complex of four buildings wrapped around a 14,000 square foot exterior quadrangle Graduate Court, with covered galleries lining the quadrangle. The first building will be a four-story 56,000-square-foot structure to house the Business School administration, academic affairs and interaction spaces for the Business School and the community. This area will also contain a Business Disaster Recovery Command Center.

The second building will be a two-story Undergraduate Pavilion, including classrooms, labs and offices for faculty. The third is a Graduate Pavilion building that will include study rooms, team rooms and faculty offices. The fourth and final building is a two-story 12,600-square-foot, 300-person auditorium, which will be used by the Business School and the community.

Construction of the complex is projected to last 24 months.
CAMPUS SUSTAINABILITY

SPACE OPTIMIZATION
The CCS Energy Management subcommittee is organizing a collaborative effort between Facility Services and the Registrar’s Office to evaluate the energy savings associated with locating classes and events in spaces that cost less to heat and cool.
Facility and Utility Operations will develop a building shutdown list of night and weekend classes. The Registrar’s Office will run scenarios utilizing the space optimization feature on their scheduling software. If term classes can be placed in rooms that are not on the building shutdown list, the University could realize a significant reduction in operating costs.

UNPLUG
The 2010 UNPLUG competition kicked off February 22 and will run through March 22. Students in residence halls and Greek houses are competing for the greatest reduction in energy consumption compared to their community’s average energy consumption over the past three years. Real time monitors for Res College and Patrick Taylor Hall have been added this year.
Check out the reports at www.UNPLUG.lsu.edu

ELP ENVIRONMENTAL LEADERSHIP AWARD
LSU will receive a 2010 ELP Environmental Leadership Award in March from the Louisiana Department of Environmental Quality Environmental Leadership Program (ELP). These awards recognize outstanding environmental achievements in pollution prevention by schools and universities.
LSU submitted its first annual UNPLUG Energy Conservation Competition to the award committee. The 2009 competition resulted in an average 18 percent reduction in energy consumption and an estimated $13,763 in savings.

FINANCE & ADMINISTRATIVE SERVICES HOLDS FIRST E-WASTE DRIVE
Finance and Administrative Services, with the assistance of Campus Sustainability, held the first E-Waste Drive on campus from January 25-January 27.
Students, faculty and staff were encouraged to bring old personal cell phones, computers and other items for drop off at T. Boyd, the Copy and Mail Center and University Stores. Items were recycled or refurbished for use by local, needy schools and families.
The department collected 27 CPUs, 32 monitors, 1 laptop, 26 miscellaneous pieces, and 24 printers. More than 25 TONS of material were collected, which otherwise could have ended up in a landfill. In equivalent terms, that’s enough energy saved to power 121 U.S. households for a year, and a greenhouse gas reduction equivalent to removing 85 cars from the road for a year.
EMPLOYEE COMMUNITY PARTNERSHIP

The Facility Services cafeteria is the site for the LSU VITA tax preparation service again this year. This program is funded through a grant and managed by Tamara Davis from Human Resources Management. A group of volunteers prepare tax returns through April 15 at no cost to students and employees.

Annual Financial Literacy Class Underway

Facility Service is partnering with Campus Federal Credit Union for the fifth consecutive year to promote workplace financial literacy for employees. Ten employees are currently enrolled in the 18 week program and meet once a week with Blaine Grimes, Campus Federal Credit Union Financial Education Manager, to cover topics that include checking and savings accounts, credit, budgeting, investments and home ownership. To date, approximately 100 Facility Services employees have successfully completed and graduated from the program.

LEAD...Emerge Program

Congratulations to Joel Snider and Tammy Millican, our 2010 LEAD/Emerge program participants!

LEAD...Emerge is LSU’s leadership development program that focuses on building and enhancing leadership skills which support the University’s strategic objectives. Graduation from the program will be in May.

Mr. Snider was nominated by Kim Gardiner.

Ms. Millican was nominated by Tony Lombardo.

Pursuing a Degree at LSU

Val Adams
Robert Benton
Sheila Collins
Tonna Dedon
Fred Fellner
Robert Lede
Michael Meeks
Tammy Millican
Erica Moss
Kerry Prejean
Sabrena Primas
Emily Smith
Joel Snider
Jason Soileau
Tony Territo

Blood Drive Scheduled

Facility Services will hold a blood drive on March 25 in the FS Cafeteria from 9:00 a.m.-5:00 p.m.

A sign-up sheet will be placed on the cafeteria door.

Remember, a donation to the blood bank can save a life—it may be yours...