



**Welcome Back!**

This room now features **High-Efficiency Fluorescent Lighting.**  
Saves over 40% of energy compared to the old lighting!

Facilities & Services upgraded this room as part of our ongoing campus lighting retrofit program, partially funded by a grant from the Illinois Clean Energy Community Foundation.

**Do your part.**  
Turn off the lights when you leave the room.

Questions? Comments? Visit our website at [www.energymanagement.uiuc.edu](http://www.energymanagement.uiuc.edu)





## Campus Lighting Retrofit

A large scale lighting retrofit project is underway on campus to upgrade older inefficient fluorescent lighting systems with more efficient fluorescent systems saving an estimated \$1 million annually.

### Energy Reduction to Date

3.21 MW or \$1.2M annual electricity cost savings

The Campus Lighting Retrofit Project replaces old, out-dated T12 fluorescent lamps and ballasts with state-of-the-art T8 technology. It also prepares our campus for the EPA mandated phase-out of T12 lighting in July 2012

### Funding Sources

The University of Illinois at Urbana-Champaign received two grants from the Illinois Clean Energy Community Foundation for \$1.2 million and \$800,000, as well as \$600,000 from the Illinois Department of Commerce & Economic Opportunity (DCEO), to help fund the project. Funding has also been received through the student Academic Facilities Maintenance Fee Assessment (AFMFA).

### Scope

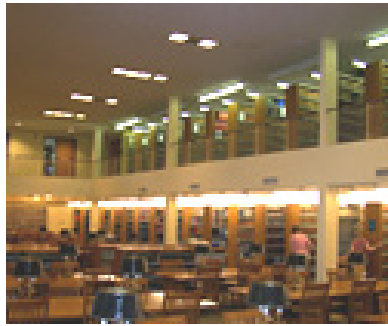
- The original goal was to update over 85,000 campus light fixtures
- The new scope for this project is to replace all fixtures by May 2012
- 86,621 fixtures have been completed to date
- Fixtures have been replaced in 54 buildings
- As of July 2011, 35,000 fixtures remain.

### Energy Conservation

- Overhead fixtures consume between 40% and 50% of a building's electricity
- Updating to T8 lamps will make building electricity usage 40% more efficient
- Expected return on the up front investment in materials within three years of the transition

### Additional Benefits

- Reduces the deferred maintenance backlog
- Reduces maintenance because the lamps and ballasts are all brand new
- New high performance T8 lamps do not flicker or hum
- New lamps give off a more natural color rendition
- Provide the same amount of light as the previous T12
- Thousands of PCB-containing ballasts have been removed and safely recycled.



## Campus Lighting Retrofit List of Updated Buildings

Since July 2008, the Campus Lighting Retrofit Project has completed updates in the following buildings:

- Abbott Power Plant
- Advanced Computation Building (ACB)
- Agricultural Engineering and Sciences Building
- Armory
- Altgeld Hall
- Beckman Institute
- Bevier Hall
- Child Development Lab (CDL)
- Computing Applications Building (CAB)
- Coordinated Science Laboratory (CSL)
- Davenport Hall
- David Kinley Hall (DKH)
- Digital Computer Laboratory (DCL)
- EEB
- Engineering Science Building (ESB)
- English Building
- Foreign Language Building
- Freer Gym
- Gregory Hall
- Henry Administration Building
- Krannert Center for the Performing Arts
- Law Building
- Library (6th Stack)
- Lincoln Hall
- Loomis Laboratory
- Madigan Laboratory
- Material Sciences and Engineering Building
- Materials Research Lab (MRL)
- Mechanical Engineering Lab (MEL)
- Medical Sciences Building
- Morrill Hall
- Mumford Hall
- Music Building
- National Soybean Research Lab
- Natural History Building
- Newmark Laboratory (CEB)
- Noyes Laboratory
- Physical Plant Services Building
- Plant Science Building
- Psychology Building
- Roger Adams Laboratory (RAL)
- Talbot Laboratory
- Turner Hall
- Turner Student Services
- Undergraduate Library
- VetMed Complex (5 Buildings)
- Waste Management Facility (ISTC)
- Water Survey Complex (9 Buildings)
- Wohlers Hall