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Energy Competitions: Challenges and Opportunities: You've Got the Power to Conserve

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You've Got the Power to Conserve

University at Albany

Energy campaign at UAlbany

- Occurs over a ten week time period in the fall, early September to mid November
- Began in the dorms in Fall 2007
- Currently includes both dorms, apartments and academic buildings
- 10% overall goal set for entire campus
- Monetary savings incurred by residence halls are returned to them

Energy campaign at UAlbany

- Run by Office of Environmental Sustainability and Office of Energy Management
- Meter reads by student workers, assessment of energy savings by Energy Officer, communication by Director of Environmental Sustainability
- Support from Sustainability Council, Sustainability Coordinators and Res Life

Measuring

- Combination of computerized and manual reads
- Real time monitoring available for most of the academic buildings about 60% of the residences
- Baselines determined by energy use incurred during the same time period in the year prior to the start of the campaign (2006 for res halls, 2009 for academic buildings)

Rewards

- Academic buildings strive for overall goal of 10% reduction (good feeling is reward)
- On campus students are rewarded by having the monetary savings returned to their dorm
- Rewards have been between \$100 and \$4,000
- Res life survey students on what to do with the money (ping pong tables 😊, big screen TVs 😞)
- Need better control and connection to items purchased

Reporting and publicizing

- Need to have recurring way to report results
- Web site is updated weekly and a blast email is sent out

Fall 2010 Energy Campaign Current Results

Last updated September 17th

Residential Complex	Percent Change	KWH Saved	Carbon Dioxide Saved (in tons)
INDIAN	16%↓	12,058	45
STATE	15%↓	11,359	42
DUTCH	15%↓	11,904	44
COLONIAL	14%↓	9,912	37
ALUMNI	17%↓	6,185	23
FREEDOM	19%↓	3,441	13
EMPIRE	6%↓	4,514	17
DORMS TOTAL	14%↓	59,372	221
ACADEMIC PODIUM	8%↓	68,012	254
CAMPUS TOTAL	10%↓	127,384	475

Reporting and publicizing

UALBANY
State University of New York

How you can help save energy

Before you leave your office at the end of each day:

- ☑ Turn off the lights.
- ☑ Properly shut down your computer.
- ☑ Unplug or turn off at the power strip monitors, speakers, personal copiers/printers, task lighting, chargers and other plugged-in devices.
- ☑ Close the windows and draw the shades or blinds in your office/space.

If you are the last person to leave a classroom, lab or a conference room:

- ☑ Turn off the lights.
- ☑ Properly shut down the computer.
- ☑ Unplug or turn off computer peripherals and projectors at the power strip.
- ☑ Unplug any special equipment/devices that can be safely turned off and is not required after-hours.
- ☑ Shutdown any fume hoods that are not required to be operational after hours. Make sure no chemicals or hazardous materials are stored under the hoods.
- ☑ Close any open windows.

If you are the last person to leave the building:

- ☑ Turn off the lights in any unoccupied classrooms and labs, conference rooms, break rooms and restrooms.
- ☑ Close any open windows you notice in the building.
- ☑ Turn off hallway and lobby lights, if appropriate.

You've got the power... to Conserve

UAlbany Green Scene

Track our progress at: www.albany.edu/gogreen

Power Down Fridays

On Fridays, try these additional measures to reduce your usage while in the office:

- ☑ Turn off the overhead lights and use task lighting or natural lighting instead.
- ☑ Unplug or turn off at the power strip any plugged in devices that you can do without during the day.
- ☑ Take the stairs instead of the elevator.

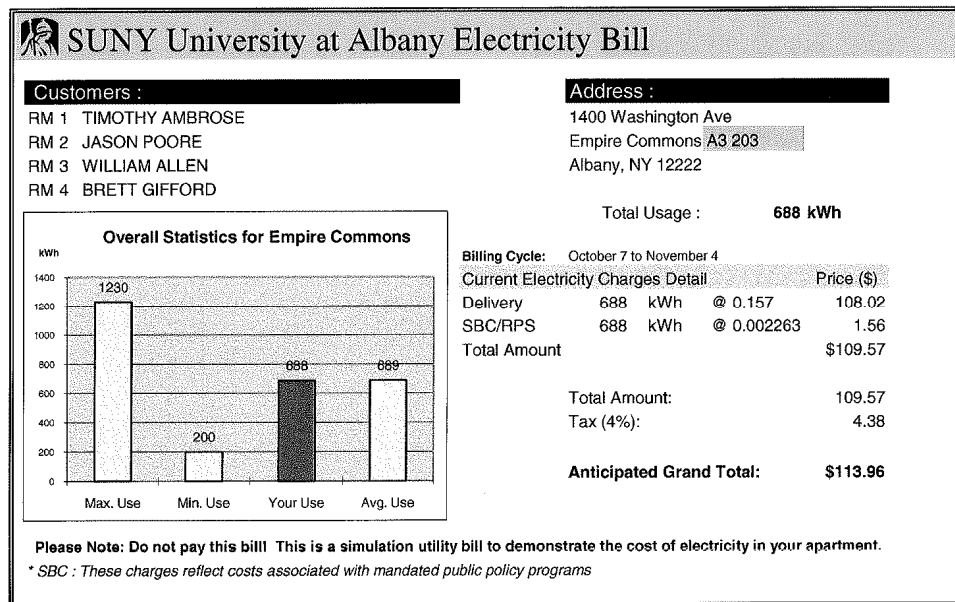
Fliers provided by **UAS ALBANY**

Printed on 100% post consumer recycled paper

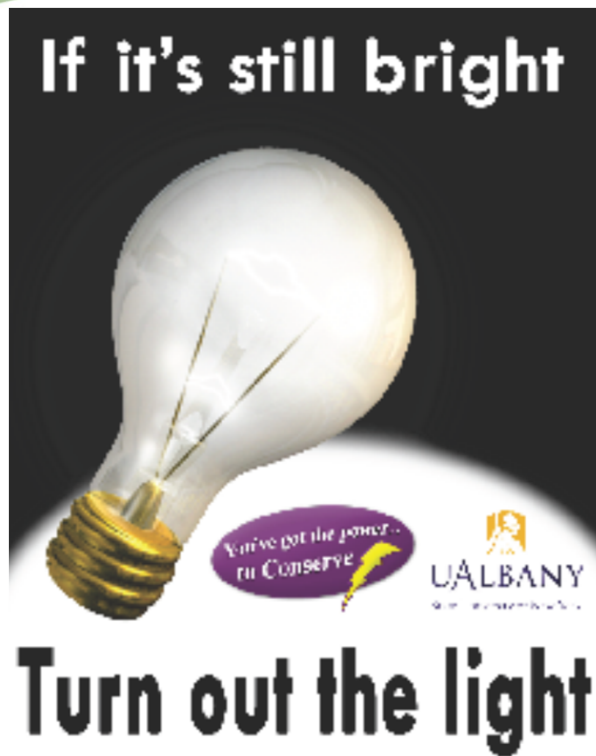
- Announcements about the campaign are made at several key stakeholder meetings (res life all staff, building managers)
- Fliers are posted in strategic locations in the dorm and handed out in academic offices

Supplemental/promotional activities

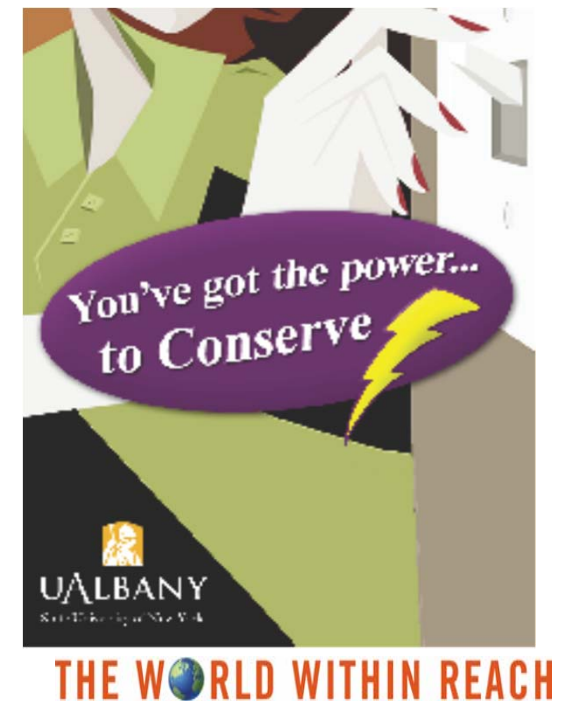
- Fake electric bills to apartment residences, mirrors actual electric bill, prizes awarded in spring for low use and largest change



Supplemental/promotional activities



- Distribution of CFL's, energy brochures, turn off the light reminder post it's



Supplemental/promotional activities

- Energy raids in dorms, measure electricity use in rooms with Kill-a-Watts, issue energy tickets

While you were out, the Energy Team stopped by and here's what we found:

*You've got the power...
to Conserve*

Yes No

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | The overhead lights in the room were turned off. |
| <input type="checkbox"/> | <input type="checkbox"/> | The task lighting was turned off. |
| <input type="checkbox"/> | <input type="checkbox"/> | Computer(s) were shutdown. |
| <input type="checkbox"/> | <input type="checkbox"/> | Monitors, speakers and desktop printers were turned off or unplugged. |
| <input type="checkbox"/> | <input type="checkbox"/> | Chargers and other plugged-in devices were turned off at power strip or unplugged. |
| <input type="checkbox"/> | <input type="checkbox"/> | The ventilation registers were free of obstructions. |
| <input type="checkbox"/> | <input type="checkbox"/> | All the windows were closed. |



Thank you for doing your part to save energy!

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Future challenges

- Getting real time monitoring in all areas
- Keeping campaign fresh
- Better tying rewards with energy savings
- Improving communication