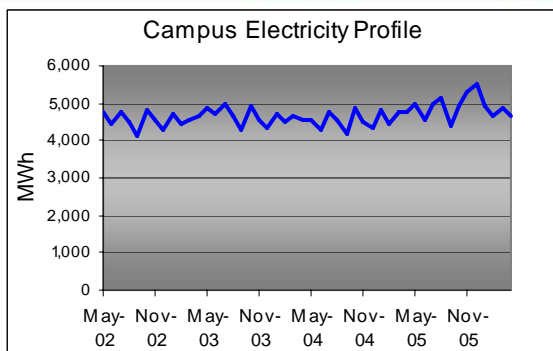


# UO Energy Update

Spring 2006



## Successes...

### Science Library

The Science Library is Located in the basement between Onyx Bridge and Klamath Hall. As a library with narrow aisles of book stacks up to the ceiling, a lot of lighting is absorbed by the books. This leads to a more challenging design for lighting.

To reduce the energy consumed, a few years ago the Science Library was retrofitted with T8 lamps and electronic ballasts. EWEB participated in helping fund the project that resulted in over 60,000kWh per year in savings. The savings could serve five average homes a year.



Science Library Lighting between stacks

## Currently...

### Knight Library Fans

With the support of EWEB, Knight Library is being retrofitted with new variable frequency drives on fan motors for the heating, ventilating, and air-conditioning systems. This project will save the university electrical energy due to the decreased fan speed. It will also save on heating and cooling from the decreased volume of air required to serve the space. Some of it has already been installed and is working better than anticipated.

## Looking Ahead...

### Weather Outlook

National Weather Service projects above normal temperatures and a slight chance of lower than normal precipitation across much of the western states.

[http://www.cpc.ncep.noaa.gov/products/predictions/long\\_range/fxus05.html](http://www.cpc.ncep.noaa.gov/products/predictions/long_range/fxus05.html)

### Energy

Natural gas storage is above the five year average; gas prices have come down considerably, but hurricane season is around the corner.

## Good Habits...

### Water Use

As much as it can seem to rain around here, it is still important to conserve water. The city water that we use daily requires energy and other resources to supply it to the end-user.

Turning off water whenever it isn't needed is a good idea, for example: while brushing teeth, while shaving, and running automatic irrigation during a rainy day. Shortening showers can save a surprising amount of water and energy. Toilets can use a lot of water too, so don't use them as a trash can.