

WHAT YOU CAN DO

FOR MORE INFORMATION



USE WHAT IS NEEDED
No more, no less



**FIVE QUICK TIPS
TO SAVE
ENERGY AND WATER**

1. Turn off unnecessary lights.
2. Turn off your computer, monitor, and printer when not in use
3. Dress comfortably for the weather.
4. Conserve paper, recycle, print and copy only when necessary
5. Turn off faucets. Report any water leaks.



Architect of the Capitol
www.aoc.gov/

Green the Capitol Initiative
<http://cao.house.gov/greenthecapitol/>

Energy Savings Solutions
www.energysavers.gov/

ENERGYSTAR™ Buildings and Products
www.energystar.gov/

Federal Energy Management Program
www.eere.energy.gov/femp/

Association of Energy Engineers
www.aeecenter.org

Water Conservation
www.awwa.org/waterwiser/

Recycling

Capitol: <http://capitol.aoc.gov/programs/Recycling-Program.cfm>

House: <http://house.aoc.gov/programs/Recycling/index.cfm>

Senate: <http://senate.aoc.gov/Senate-Services/Programs/Programs-Recycling.cfm>

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Federal Energy Management Program (FEMP)

Sources

American Council for an Energy-Efficient Economy
General Services Administration
Lawrence Berkeley National Laboratory
National Renewable Energy Laboratory
U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy
U.S. Environmental Protection Agency



Saving Energy on Capitol Hill



The Architect
of the Capitol
is working
to reduce
energy use
and costs.

Conserve natural resources,
protect the environment,
and ensure energy security.





WE HAVE THE
POWER
TO **SAVE**
ENERGY



KNOW THE DIFFERENCE

On summer days, close south-facing curtains and blinds to reduce heat from the sun. On winter days, open south-facing curtains and blinds to increase light and heat. These simple steps can save as much as 25% on heating and cooling costs.

Use natural daylight whenever possible. When artificial light is needed, use energy-saving, high efficiency fluorescent lamps.* Using daylight and installing lighting controls can reduce office lighting costs by 50%.

CFLs use a quarter to a third of the energy of incandescent lamps.*

Turn off interior lights, computers, monitors, printers, coffee makers, fans, and radios when not in use: overnight, on weekends, or any extended time when you are away from your desk. Install occupancy sensor light switches.*

Shut down your computer and printer at night and on weekends to reduce operational cost by 50%. This could save \$250,000 annually on Capitol Hill. *And it doesn't hurt the computer.*

Print paper copies only when necessary. Five sheets of recycled paper—the average used per person per hour in most offices—cost as much as what you would pay to run four 75 watt light bulbs for an hour.

*Available through your building's Superintendent's Office.

MAKE A DIFFERENCE

Take public transportation to work, car pool, bicycle, or walk. Join a ride sharing program. The average car pooler saves between \$600 and \$1,200 every year in fuel and transportation related costs.

WATER SAVING TIPS

Report leaking faucets and fixtures to AOC Superintendents as soon as possible. A faucet, dripping once every second, wastes about six gallons of water a day—more than 2,000 gallons yearly.

Turn on faucets only when you are ready to rinse your hands; turn them off completely when done. These water-saving actions help reduce water use and costs by at least 30% in your building.

If your building or facility has a gym with a shower, shower five minutes or less. Taking a short shower using a regular shower-head consumes about 20 gallons of water; a low-flow shower-head saves more than seven gallons per five-minute shower.

WORKING TO SAVE ENERGY



The AOC is:

...installing new, energy efficient lighting and comfort-control systems that are saving taxpayers more than \$2.2 million per year.

...reducing energy costs through selective gas and electric power purchases.

...installing occupancy sensors that automatically turn off lights when they are not needed.

...replacing an obsolete, complex-wide energy management system with a state-of-the-art, web-based building automation system.

...auditing the energy consumption of facilities to identify even greater energy saving opportunities.

...replacing part of the central chiller plant with new, high-efficiency chillers.

...adding new steam and chilled water meters to all buildings to monitor actual energy use.

...installing modern heating/cooling systems.

...installing low-flow plumbing fixtures.

...replacing old, inefficient windows with air-tight, insulated ones.

...upgrading the vertical lift systems, elevators and escalators, with energy efficient equipment.



<http://capitol.aoc.gov/powertosave/>