



How can you help CWU conserve energy on campus?

Learn [ways to save](#) energy.

CWU Facilities Implementing Solution	Tips on how to save energy and money.	CWU Campus Community Members (opportunity to help)
Implementing with new buildings or as opportunities allow	Replace incandescent lights with compact fluorescent lights (CFLs) or light-emitting diodes (LEDs) for desk lamps and overhead lighting.	
Solution Implemented	Use dimmers, motion sensors, or occupancy sensors to automatically turn off lighting when not in use to reduce energy use and costs	
	Turn off lights when you leave at night. Use natural lighting or daylighting . When feasible, turn off lights near windows.	YES
	Use task lighting; instead of brightly lighting an entire room, focus the light where you need it, to directly illuminate work areas.	YES
	Procure energy-efficient products and energy-saving technologies for the office.	YES
	Close or adjust window blinds to block direct sunlight to reduce cooling needs during warm months. Overhangs or exterior window covers are most effective to block sunlight on south-facing windows.	YES
	In the winter months, open blinds on south-facing windows during the day to allow sunlight to naturally heat your workspace. At night, close the blinds to reduce heat loss.	YES

	Unplug equipment that drains energy when not in use (i.e. cell phone chargers, fans, coffeemakers, desktop printers, radios, etc.).	YES
	Replace desktop computers with thin clients or notebook computers and docking stations.	YES
	Use LED or liquid crystal display (LCD) monitors.	YES
	Turn off your computer and monitors at the end of the work day, if possible. If you leave your desk for an extended time, turn off your monitor	YES
	Use copiers with a low standby feature. Purchase printers and fax machines with power management feature and use it.	YES
	Coordinate with vending machine vendor to turn off advertising lights.	YES
Solution Partially Implemented	Install programmable thermostats.	
Solution Partially Implemented	Install low-flow toilets, urinals, faucets and shower heads.	
Solution Partially Implemented	Verify the energy management system switches into setback mode during unoccupied hours.	
FMD Currently Working Project	Install meters to track energy use.	
	Make sure that areas in front of vents are clear of furniture, paper, and other obstructions. Blocked vents can result in as much as a 25% increase in the energy used to distribute air in your office.	YES
	Encourage employees to dress warmly and in layers for comfort during the winter.	YES

Tips to conserve energy at home.

[Energy Saving Tips](#)

Daily:

- ✓ Turn down the temperature of your water heater to the warm setting (120°F). You'll save energy and avoid scalding your hands.
- ✓ Check if your water heater has an [insulating blanket](#). An insulating blanket will pay for itself in one year or less!
- ✓ Heating can account for almost half of the average family's winter energy bill.
- ✓ Make sure your furnace or heat pump receives professional maintenance each year. And look for the [ENERGY STAR®](#)
- ✓ label when replacing your system.
- ✓ Review additional [strategies to reduce your water heating bills](#). Water heating can account for 14%-25% of the energy consumed in your home.
- ✓ Survey your incandescent lights for opportunities to replace them with [compact fluorescent lights \(CFLs\)](#) or light-emitting diodes (LEDs). CFLs can save three-quarters of the electricity used by incandescents. The best targets are 60-100 W bulbs used several hours a day.
- ✓ Turn off the lights in unoccupied rooms or consider installing timers, photo cells, or occupancy sensors to reduce the amount of time your lights are on.
- ✓ Turn off your computer monitor when not in use for more than 20 minutes, and turn off both the CPU and monitor if you're not going to use your computer for more than 2 hours.
- ✓ Unplug equipment that drains energy when not in use (i.e. cell phone chargers, fans, coffeemakers, desktop printers, radios, etc.).
- ✓ Install a [programmable thermostat](#) that can be adjusted to temperatures according to your schedule. And look for the ENERGY STAR® label when replacing your system.
- ✓ During winter, open curtains on your south-facing windows during the day to allow sunlight to naturally heat your home, and close them at night to reduce the chill you may feel from cold windows.
- ✓ Clean or replace filters in your furnace, air conditioner, and heat pump.
- ✓ ENERGY STAR labeled products can cut your energy bills by up to 30%. Find retailers near you on the [ENERGY STAR website](#).

Weekly:

- ✓ Visit the hardware store. Buy a water-heater blanket, low-flow showerheads, faucet aerators, and CFLs, as needed.
- ✓ Rope caulk or add film to leaky windows.
- ✓ Assess your heating and cooling systems. Determine if replacements are justified, or whether you should retrofit them to work more efficiently to provide the same comfort (or better) for less energy.

Monthly:

- ✓ Collect your utility bills. Separate electricity and fuel bills. Target the largest energy consumer or the largest bill for energy conservation measures.
- ✓ Insulate your hot water pipes to prevent heat loss.
- ✓ Insulate heating ducts in unheated areas, such as attics and crawlspaces. Keeping ducts in good repair can prevent heat loss of up to 60% at the registers.
- ✓ Seal up the largest air leaks in your house—the ones that whistle on windy days, or feel drafty. The worst culprits are usually not windows and doors, but utility cut-throughs for pipes ("plumbing penetrations"), gaps around chimneys and recessed lights in insulated ceilings, and unfinished spaces behind cupboards and closets. Better yet, hire an energy auditor with a blower door to point out the worst cracks. All the little, invisible cracks and holes may add up to as much as an open window or door without you ever knowing it!
- ✓ Install a programmable thermostat to set your thermostat back automatically at night.
- ✓ Schedule an energy audit (ask your utility company or state energy office) for more expert advice on your home as a whole. Learn more about home energy audits.

Annually:

- ✓ Insulate. If your walls aren't insulated have an insulation contractor blow cellulose into the walls. Bring your attic insulation level up to snuff.

- ✓ [Replace aging, inefficient appliances](#). Even if the appliance has a few useful years left, replacing it with a top-efficiency model is generally a good investment. Especially check the age and condition of your refrigerator.
- ✓ [Upgrade leaky windows](#). It may be time to replace them with energy-efficient models or to boost their efficiency with weatherstripping and storm windows. The typical home loses more than 25% of its heat through windows.
- ✓ Upgrade your computer and monitor. Consider replacing your desktop computer with a notebook computer and docking station, and your cathode ray tube monitor with a liquid crystal display (LCD) or LED monitor. (See [Estimating Appliance and Home Electronic Energy Use](#).)
- ✓ Reduce your air conditioning costs by [planting shade trees and shrubs](#) around your house.