

# Internal Water Conservation

## Water Bottle Fountains

UNC is in the process of changing campus drinking fountains to accommodate bottle fillers. These fillers have built-in bottle counters so that you can see how many bottles have been saved from landfills the next time you pass one in your building.



## Automatic Flush Valves

By replacing all 250 1-gallon-per-flush valves to 1-pint-per-flush valves, these automatic urinal flush valves save 20,350 gallons of water per day—a \$109.28 per day savings. With a generous rebate from the city of Greeley, the valves paid for themselves in just under three months

## Low Flow Showerheads and Faucet Aerators

All showerheads on campus are 2.5 gallon per minute. This saves not only water but also natural gas that heats the water. All aerators on campus are 0.5 gallon per minute. This also saves water and natural gas.



## Low Consumption Toilets

UNC has replaced all the old style high consumption toilets with 1.6 GPF design. The toilet replacements were part of a campus wide performance contract in 2004 and a grant project through the city of Greeley in 2009.

All toilets on campus, except for those in Arts Annex, meet or exceed water efficiency standards. The toilets range from models that use 1.1 to 1.6 gallons per flush and the urinals in the Rec Center use half the federally mandated amount of water with only 0.5 gallons of water used per flush!

## Installing Pressure-Assist Devices in Toilet Tanks

The University Apartments, Lawrenson and West Campus Housing South Building have device in the toilet tank that uses the pressure used to fill the tank to pressure charge the water for each flush. The increased pressure allows the toilet to use only 1.1 gallons of water per flush. Plus, unlike the older low-flow toilets, everything goes down the first time, actually saving water.

## High-Temperature Hot Water (HTHW) Pumps

The water that cools the HTHW pumps is reused as condensed water. Previously, it was cooled by a pass of water, which then went down the drain. Now, it's piped into a cold-water tank and reused.

## Monitoring Water Usage

We monitor our water use through a campus-wide mechanical equipment survey to verify correct function. With this we can detect issues early and correct problems that could otherwise overuse water on campus.

## We Need Your Help Too!

There are many ways to save water that add up quickly. When rinsing your coffee pot, try using less water, and then water any office plants with the rinse water. If your office has a hand sink, make sure that your faucets and shutoff valves are working properly; if there's a drip, please contact the Service Center at 351-2446 so we can send a plumber to fix your sink! Thank you for all your help.

For more information about water conservation in the office and around your home, please check out the following links.

[Information on indoor water conservation.](#)

[Information on outdoor water conservation.](#)

[Information on Greeley's watering restrictions.](#)

# External Water Conservation



For more information for external water conservation please see the UNC Landscaping page for [water conservation](#).