

**Water conservation improvements by Physical Plant Grounds and Plumbing shops 2006 - 2015**

2006 – Computerized campus irrigation system installed, making it possible to schedule irrigation. Estimated to reduce water use by 30%

2006 to present - Added bark to areas on campus to retain water and improve aesthetics.

2007 – 2008 - Added Battery powered irrigation valves to areas with no power. This improved the uniformity of the watering schedule

2007 to 2015 - Converted the following irrigation systems to drip and bubblers emitters.

2007 Jeannette Powell Art Center Courtyard trees

2010 Wendell Phillips Center courtyard planters

2011 John T. Chambers Technology Center planters

2012 School of Education east side planters

John Muir botanical area

Sigma Chi planters

2013 President's house front yard

Ted and Chris Robb Garden

2014 DeRosa University Center east entrance

East entrance to Weber Hall

Morris Chapel rose garden

2015 Pacific entrance rose garden

First lady rose garden

Larry Heller rose garden

Chris Kjeldsen Pool rose garden

All remaining rose gardens

2008 - Purchased an underground wire locator to speed up locating broken wires.

2008 – 2015 - Installed six bio-swales for water retention.

2010 - Expanded the non-potable water system from 58% to 80% (80% of landscape is now irrigated with non-potable water).

2010 - Upgraded onsite irrigation levee pump system.

2012 – Grounds staff received QWEL certification (Qualified Water Efficient Landscapers).

2012 - Began installing ACC controllers for the ability to run multiple stations at once.

2012 - Added onsite evapotranspiration monitors.

2013 - Installed 1500 new water efficient spray heads at no cost to the university. The heads were provided by a state funded program. Estimated to save an average of 30% more water compared to standard spray heads.

2014 - Gained ability to access the Hunter IMMS remotely.

- 2014 – 2015 -Installed a water recycling system for the green house irrigation system, estimated to conserve over 100,000 gallons of water per year.

2015

- Raised the height of grass to three inches.
- Reduced watering on lawn and landscaped areas, allowing some areas to brown.
- Fitted more than 1,500 water faucets with low-flow aerators.
- Installed 700 low-flow showerheads.

2019

- 850 toilets were replaced with new low-flow toilets expected to save 125 million gallons of water over 25 years.
- Switched to 100% non-potable water irrigation system.

Ongoing – Hydration stations installed in buildings across campus for refilling water bottles and reducing plastic consumption.