

Sherry J. Ruesch  
Executive Director of Facility Management  
Phone: 435-652-7562  
Email: Ruesch@dixie.edu

## Dixie State Water Conservation and Use

### Key Points

- Dixie State University uses untreated Virgin River water for irrigation (14 cents per 100 gallons compared to Culinary water at 23 – 45 cents per 100 gallons)
- Rain sensors are installed on irrigation controls
- Use of Bermuda grass as a drought tolerant green space
- Watering times scheduled during the night or early morning hours
- FY16 Capital Improvement Project – South Campus Irrigation Filter System and control upgrades – water savings plan
- FY17 Capital Improvement Project – North Campus Irrigation System Upgrades
- FY18 Capital Improvement Project – Water Savings Landscape Upgrades – Remove lawn areas near buildings and replace with water-wise planting
- Energy Savings (ESCO) project (2012)
  1. 1.0 - 1.2 gallons per flush urinals
  2. 1.28 - 1.6 gallons per flush toilets
  3. .5 – 1.5 gallons per use aerators on lavatory faucets

**Water Usage FY18: 108,466,149 gallons**

**Cost of water FY18: \$224,865**

**Average cost (Irrigation & Culinary): 20 cents per 100 gallons**

### Water Use by Year (Both Culinary and Irrigation)

Year	Usage (gal)	Cost	Student Headcount
FY13	116,730,824	\$210,588	AY/12-13 8863
FY14	117,193,774	\$204,228	AY/13-14 8350
FY15	109,279,400	\$205,612	AY/14-15 8570
FY16	98,879,522	\$173,532	AY/15-16 8503
FY17	97,699,518	\$193,492	AY/16-17 8993
FY18	108,466,518	\$224,865	AY/17-18 9673