

SCU Water Conservation

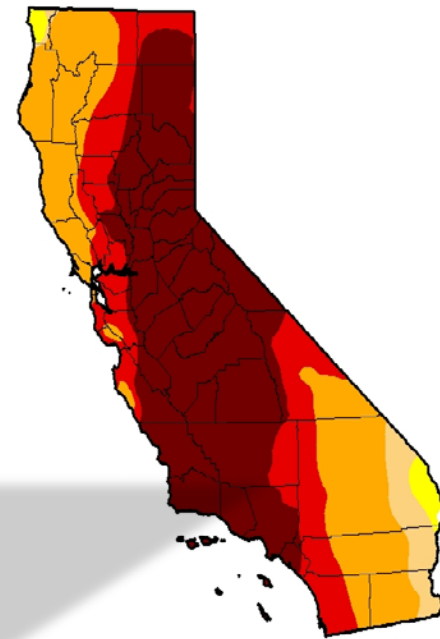
By: Julia Homaechevarria &
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We Are In An *Exceptional* Drought

Santa Clara University's Goal – Zero Waste & Climate Neutrality
“Continue to reduce potable water usage in campus buildings” (Climate Action Plan 2014)

U.S. Drought Monitor California



May 19, 2015

(Released Thursday, May 21, 2015)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D1	D1-D4	D2-D4	D3-D4	D4
Current	0.14	99.86	98.28	93.91	66.00	46.77
Last Week 5/12/2015	0.14	99.86	98.28	93.91	66.00	46.77
3 Months Ago 2/17/2015	0.16	99.04	98.10	93.44	67.46	41.20
Start of Calendar Year 1/1/2014	0.00	100.00	98.12	94.34	77.94	32.21
Start of Water Year 3/01/2014	0.00	100.00	100.00	95.04	81.92	58.41
One Year Ago 5/20/2014	0.00	100.00	100.00	100.00	76.68	24.77

Intensity



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

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<http://droughtmonitor.unl.edu/>

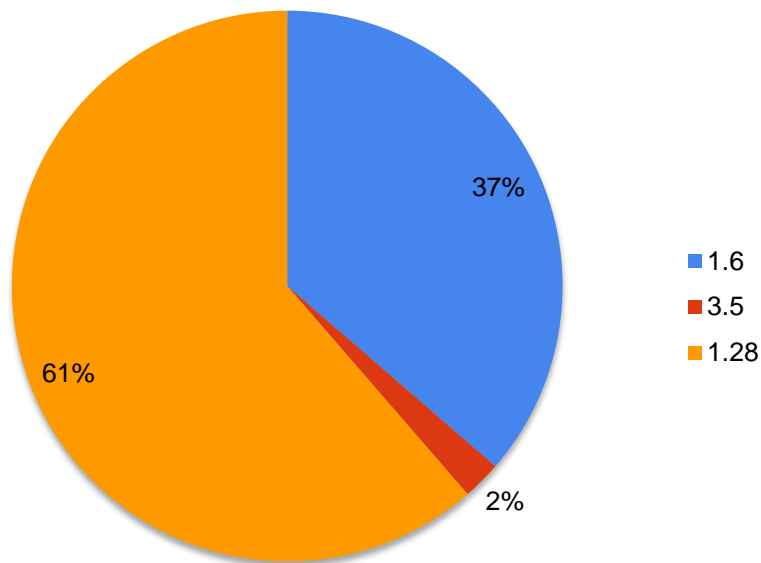
What We Did

1. Audited toilet and sink fixtures in older residence halls
2. Analyzed last 3 years of SCU toilet maintenance
3. Used national dormitory statistics to calculate annual water waste

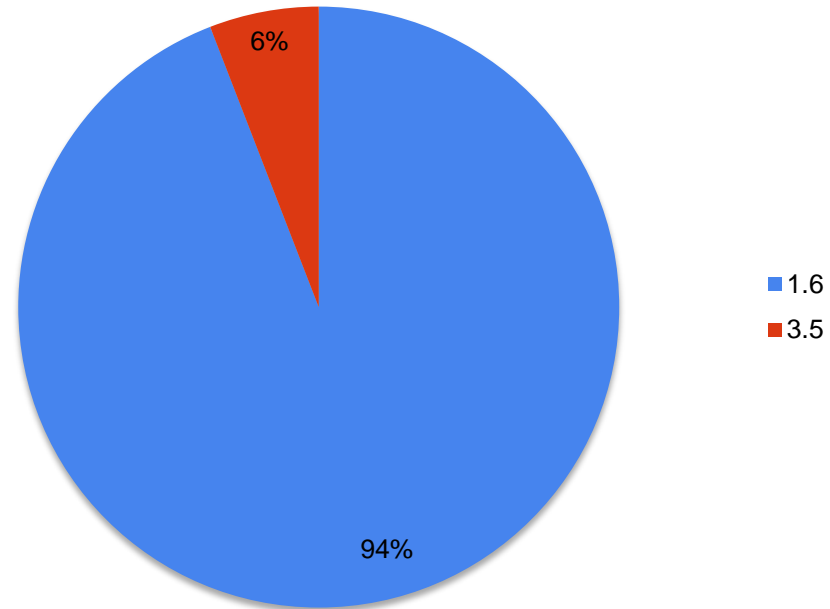
Building	Location in Building	Sex	Toilet gallons per flush	Toilets per Bathroom
Swig	1st Floor	Female	1.28	2
	1st	Male	1.28	1
				1.6
	2nd	Female	1.28	2
		Male	3.5	-
	3rd	Female	1.28	2
		Male	3.5	1
			1.28	1
	4th	Female	1.28	2
	4th	Male	1.28	2
	5th	Female	1.28	2
	5th	Male	1.28	2
	6th	Female	1.28	2
	6th	Male	1.28	2
	7th	Female	1.28	2
	7th	Male	1.28	2
	8th	Female	1.28	2
	8th	Male	-	-
	9th	Female	1.28	2
	9th	Male	-	-
	10th	Female	1.28	2
	10th	Male	1.28	2
11th	Female	1.28	1	
			1.6	1
11th	Male	1.28	2	

Actual Flow Rate May Differ From Original Fixture

Swig Audit Result

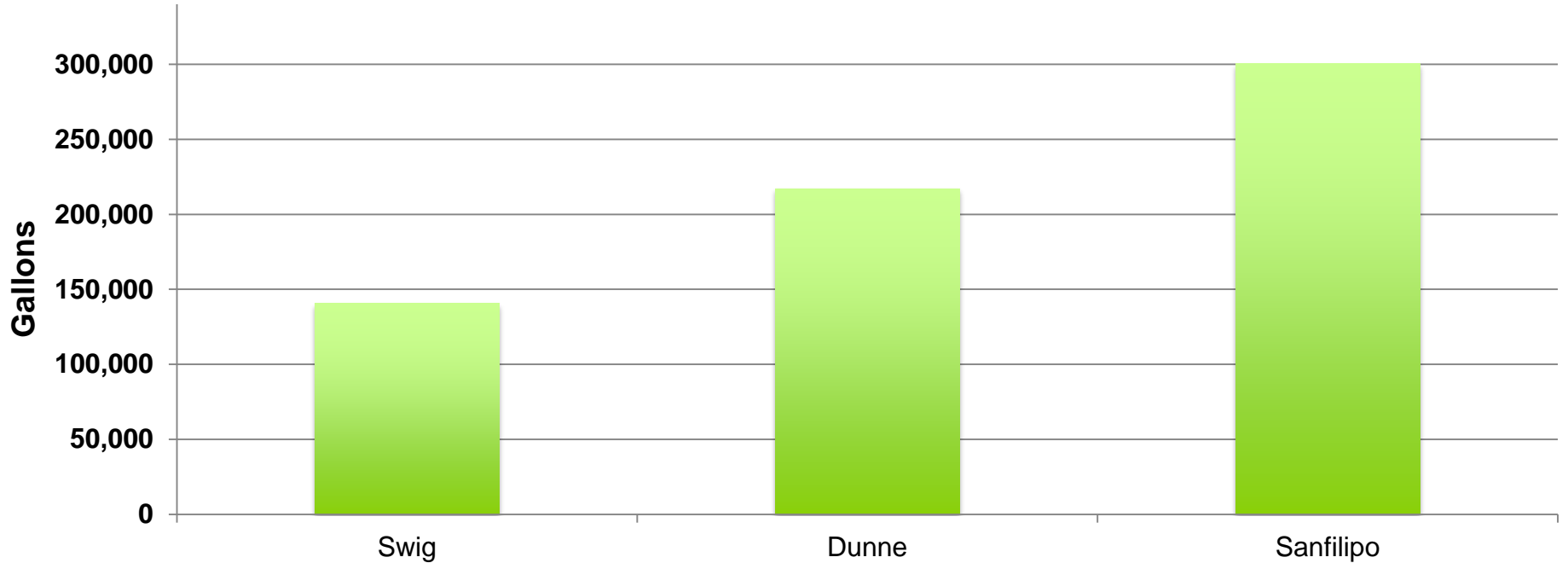


Swig Maintenance Records



Efficiency Standard Matters

Total Gallons Wasted Per Year



All Campus Buildings Have Room For Improvement

