

Regence Park Water Efficiency Report

January 25, 2011

Site: Regence Park, Stonebridge Ranch
 Location: McKinney, Texas
 Prepared For: Valley Crest Maintenance

Objective

To demonstrate the savings that a Baseline 3200 Controller and Baseline Soil Moisture Sensors have provided, and can provide, the Stonebridge Ranch, Regence Park Site.

Why Baseline

Baseline is the Industry leader in advanced water management solutions, utilizing smart controllers and patented soil moisture sensor technology to make the best possible watering decisions. Baseline Soil Moisture Sensors measure the soil moisture content real-time and provide Baseline Controllers information about the landscape so the landscape can be watered when actually needed. The result is often significant water savings because the actual number of watering events is significantly reduced.

Please visit www.baselinesystems.com for complete information and specifications on all Baseline products.

Analysis

Evaluation period: October 1, 2010 to December 31, 2010

	October	November	December	Average
Scheduled Water Events	9	9	8	8.7
Actual Water Events	2	1	1	1.3
% Reduction of Water Events	-77.78%	-88.89%	-87.50%	-84.62%

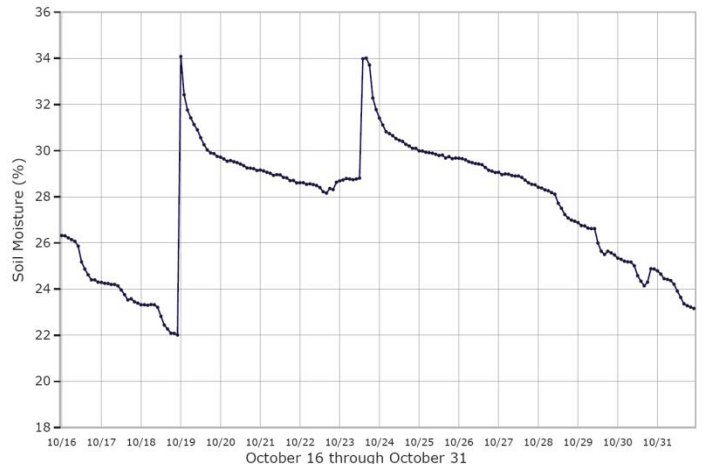
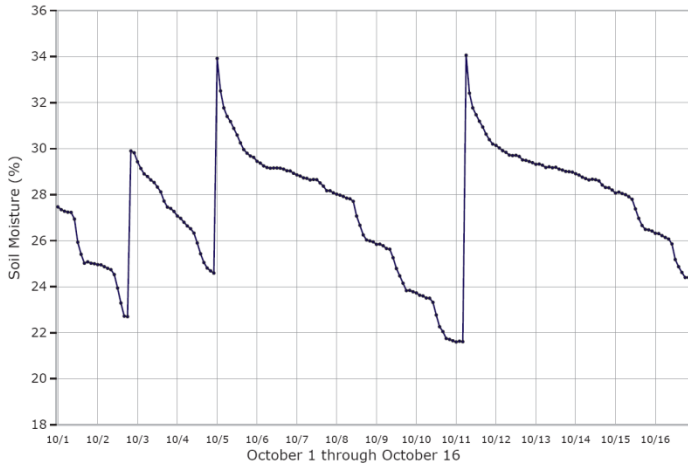
	October	November	December	Average
Planned Design Flow Usage (GPM)	109,890.00	109,890.00	109,890.00	109,890.00
Actual Water Event Flow Usage (GPM)	24,420.00	12,210.00	12,210.00	16,280.00
% Reduction of Design Flow Water Usage (GPM)	-77.78%	-88.89%	-88.89%	-85.19%

The Baseline products reduced the water used by 85%

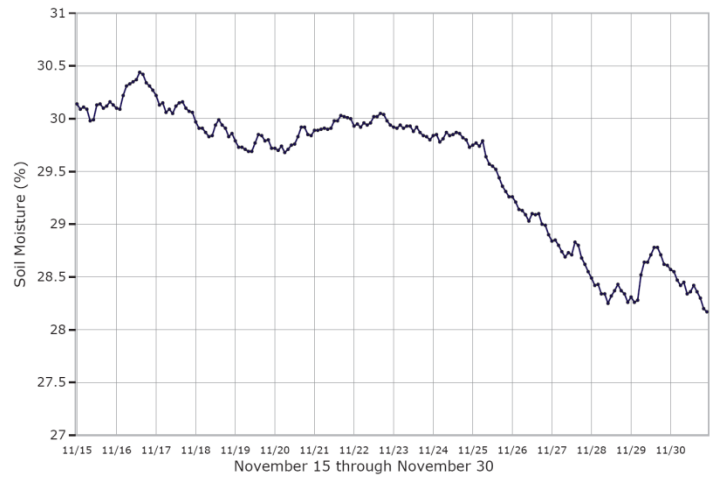
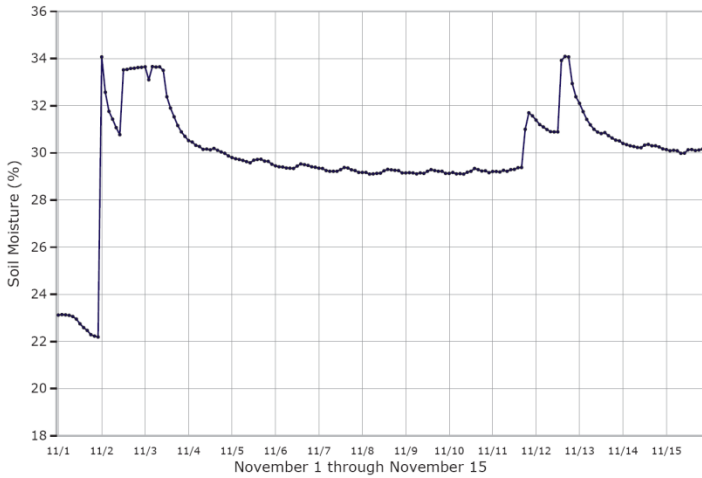
Note: Because Schedule data prior to the Baseline Products being installed was not available for comparison. And because a conventional timer-based controller would execute all scheduled watering events, the scheduled events are used as a comparison point against the actual watering events. Please see the attached monthly charts for complete information.

Soil Moisture Graphs

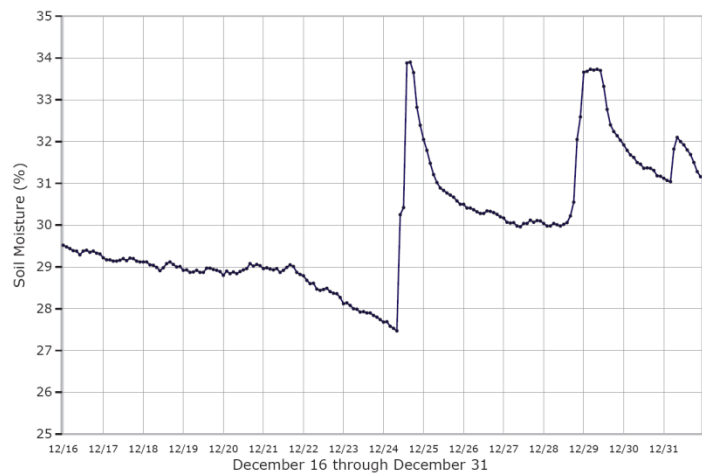
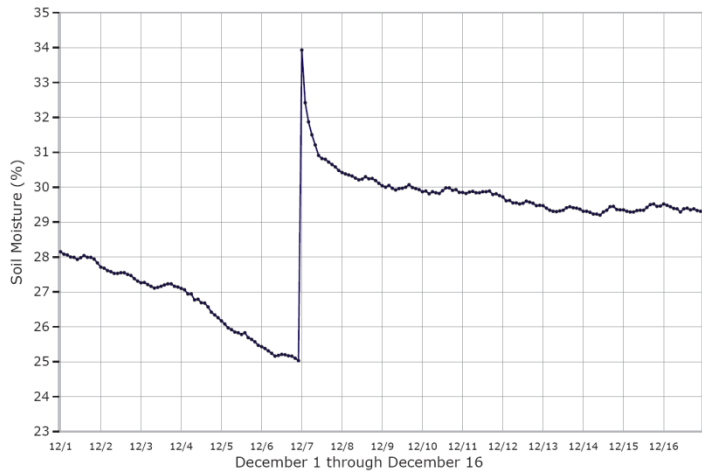
October



November



December



October 2010 - Water Event Comparison

Zone Number Zone Flow - Design	1 55	2 55	3 55	4 35	5 55	6 55	7 55	8 55	9 35	10 55	11 55	12 35	13 55	14 55	Scheduled Water Use Per Day (in Gallons)	Actual Water Used Per Day (in Gallons)	Difference
Date	Scheduled to Water	Scheduled to Water	Scheduled to Water	Scheduled to Water	Scheduled to Water	Scheduled to Water	Scheduled to Water	Scheduled to Water	Scheduled to Water	Scheduled to Water	Scheduled to Water	Scheduled to Water	Scheduled to Water	Scheduled to Water	12,210	0	-100%
Friday, October 01, 2010	S	S	S	S	S	S	S	S	S	S	S	S	S	S			
Saturday, October 02, 2010																	
Sunday, October 03, 2010																	
Monday, October 04, 2010	S	W	S	W	S	W	S	W	S	W	S	W	S	W	12,210	12,210	0%
Tuesday, October 05, 2010	S	W	S	W	S	W	S	W	S	W	S	W	S	W			
Wednesday, October 06, 2010																	
Thursday, October 07, 2010	S	S	S	S	S	S	S	S	S	S	S	S	S	S			
Friday, October 08, 2010	S	S	S	S	S	S	S	S	S	S	S	S	S	S	12,210	0	-100%
Saturday, October 09, 2010																	
Sunday, October 10, 2010																	
Monday, October 11, 2010	S	S	S	S	S	S	S	S	S	S	S	S	S	S			
Tuesday, October 12, 2010	S	S	S	S	S	S	S	S	S	S	S	S	S	S	12,210	0	-100%
Wednesday, October 13, 2010																	
Thursday, October 14, 2010	S	S	S	S	S	S	S	S	S	S	S	S	S	S			
Friday, October 15, 2010	S	S	S	S	S	S	S	S	S	S	S	S	S	S	12,210	0	-100%
Saturday, October 16, 2010																	
Sunday, October 17, 2010																	
Monday, October 18, 2010	S	W	S	W	S	W	S	W	S	W	S	W	S	W	12,210	12,210	0%
Tuesday, October 19, 2010	S	W	S	W	S	W	S	W	S	W	S	W	S	W			
Wednesday, October 20, 2010																	
Thursday, October 21, 2010	S	S	S	S	S	S	S	S	S	S	S	S	S	S			
Friday, October 22, 2010	S	S	S	S	S	S	S	S	S	S	S	S	S	S	12,210	0	-100%
Saturday, October 23, 2010																	
Sunday, October 24, 2010																	
Monday, October 25, 2010	S	S	S	S	S	S	S	S	S	S	S	S	S	S			
Tuesday, October 26, 2010	S	S	S	S	S	S	S	S	S	S	S	S	S	S	12,210	0	-100%
Wednesday, October 27, 2010																	
Thursday, October 28, 2010	S	S	S	S	S	S	S	S	S	S	S	S	S	S			
Friday, October 29, 2010	S	S	S	S	S	S	S	S	S	S	S	S	S	S	12,210	0	-100%
Saturday, October 30, 2010																	
Sunday, October 31, 2010																	
Totals	9	2	9	2	9	2	9	2	9	2	9	2	9	2	109,890	24,420	Average Difference - Scheduled Water Use vs. Actual Water Use
Difference - Watered Days vs. Scheduled Days																	-78%

November 2010 - Water Event Comparison

Zone Number Zone Flow - Design	1		2		3		4		5		6		7		8		9		10		11		12		13		14		Difference		
	Scheduled to Water	Actual Water Event	Scheduled to Water	Actual Water Event	Scheduled to Water	Actual Water Event	Scheduled to Water	Actual Water Event	Scheduled to Water	Actual Water Event	Scheduled to Water	Actual Water Event	Scheduled to Water	Actual Water Event	Scheduled to Water	Actual Water Event	Scheduled to Water	Actual Water Event	Scheduled to Water	Actual Water Event	Scheduled to Water	Actual Water Event	Scheduled to Water	Actual Water Event	Scheduled to Water	Actual Water Event	Scheduled to Water	Actual Water Event		Scheduled Water Use Per Day (in Gallons)	Actual Water Used Per Day (in Gallons)
Monday, November 01, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Tuesday, November 02, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Wednesday, November 03, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Thursday, November 04, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Friday, November 05, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Saturday, November 06, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Sunday, November 07, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Monday, November 08, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Tuesday, November 09, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Wednesday, November 10, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Thursday, November 11, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Friday, November 12, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Saturday, November 13, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Sunday, November 14, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Monday, November 15, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Tuesday, November 16, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Wednesday, November 17, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Thursday, November 18, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Friday, November 19, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Saturday, November 20, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Sunday, November 21, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Monday, November 22, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Tuesday, November 23, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Wednesday, November 24, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Thursday, November 25, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Friday, November 26, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Saturday, November 27, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Sunday, November 28, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Monday, November 29, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Tuesday, November 30, 2010	S	W	20	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	S	W	20	12,210	12,210	0%
Totals	9	1	9	1	9	1	9	1	9	1	9	1	9	1	9	1	9	1	9	1	9	1	9	1	9	1	9	1	109,890	12,210	Average Difference - Scheduled Water Use vs. Actual Water Use
Difference - Watered Days vs. Scheduled Days			-89%		-89%		-89%		-89%		-89%		-89%		-89%		-89%		-89%		-89%		-89%		-89%		-89%				-89%

