

Adjusting to Inaccurate Forecasts

	Storm #1 : 2/26/2014		Storm #2: 6/5/2014		Storm #3: 2/21/15	
	With OptiRTC	Without OptiRTC	With OptiRTC	Without OptiRTC	With OptiRTC	Without OptiRTC
Rainfall Depth (in):	0.14		0.56		0.65	
Storm Duration (days):	0.1458		0.5174		0.7813	
Maximum Intensity (in/hr):	0.84		0.96		0.60	
Average Intensity (in/hr):	0.040		0.045		0.035	
Volume Predicted (gal)	3908.6		2937.3		7313.7	
Volume Produced (gal)	1299.733768		1809.8		1826.9	
Peak Flow Rate (cfs):	0.0148	0.1847	0.0090	0.2111	0.0252	0.1319
Wet Weather Release (gal):	0.0	1299.7	98.0	1809.8	508.9	1826.9
Dry Weather Release (gal):	1123.5	0	2961.7	0	418.9	0
Peak Flow Reduction (%):	92%		96%		81%	
Volume Reduction (%):	100%		95%		72%	

Summary of storm characteristics and performance for events that were accurately predicted by the OptiRTC system



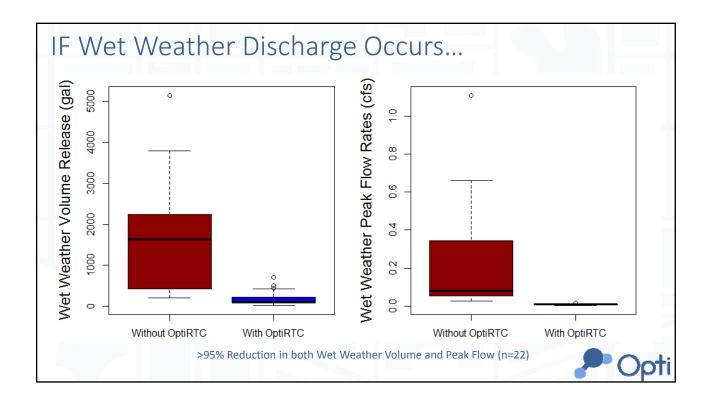
More Rain Than Expected

	Storm #1 : 7/8/14		Storm #2: 8/4/14		Storm #3: 1/23/15	
	With OptiRTC	Without OptiRTC	With OptiRTC	Without OptiRTC	With OptiRTC	Without OptiRTC
Rainfall Depth (in):	0.24		0.45		1.1	
Storm Duration (days):	0.0729		0.0347		0.5104	
Maximum Intensity (in/hr):	1.92		5.04		0.36	
Average Intensity (in/hr):	0.137		0.540		0.090	
Volume Predicted (gal)	1066.0		692.9		2747.8	
Volume Produced (gal)	1265.0		1153.0		3794.5	
Peak Flow Rate (cfs):	0.0012	0.4222	0	1.1083	0.0109	0.0792
Wet Weather Release (gal):	12.1	1265.0	0	1153.0	441.6	3794.5
Dry Weather Release (gal):	0	0	0	0	3425.8	0
Peak Flow Reduction (%):	99.7%		100%		86%	
Volume Reduction (%):	99.0%		100%		88%	

Summary of storm characteristics and performance for events that were under-predicted by the OptiRTC system



	Storm #1 : 2/26/2014		Storm #2: 6/5/2014		Storm #3: 2/21/15					
	With OptiRTC	Without OptiRTC	With OptiRTC	Without OptiRTC	With OptiRTC	Without OptiRTC				
Rainfall Depth (in):	0.	14	0.40		0.63					
Storm Duration (days):	0.1	736	0.1424		0.1424		2.1597		2.1597	
Maximum Intensity (in/hr):	0.	12	1.56		1.56		0.63		0.63	
Average Intensity (in/hr):	0.0	34	0.1	117	0.012					
Volume Predicted (gal)	473.7 2398.4		3600.6							
Volume Produced (gal)	421.8		2330.6		3703.3					
Peak Flow Rate (cfs):	0.0096	0.0264	0.0088	0.3431	0.0089	0.0528				
Wet Weather Release (gal):	31.7	421.8	60.6	2330.6	716.4	3703.3				
Dry Weather Release (gal):	390.1	0	2268.5	0	2673.8	0				
Peak Flow Reduction (%):	64	1%	97	7%	83%					
Volume Reduction (%):	92% 97%		81%							

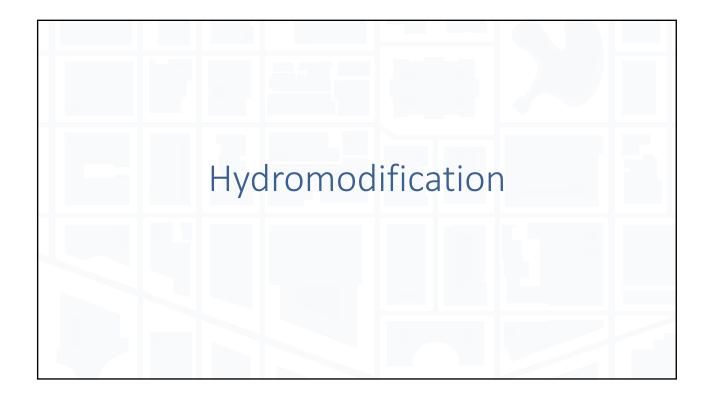


+ Water Quality Benefits

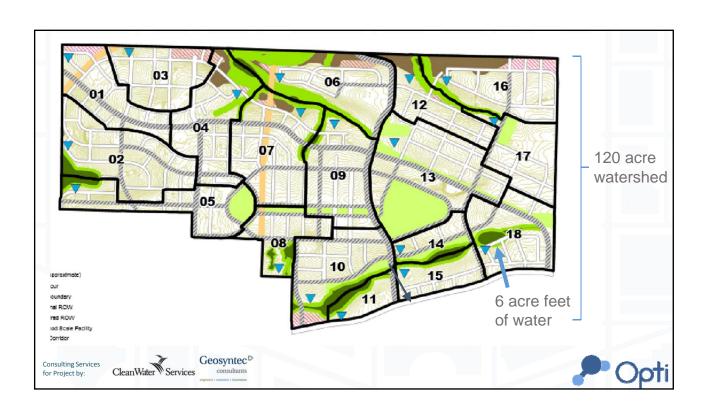
	Mass Released Without OptiRTC (lbs)	Mass Released With OptiRTC (lbs)	Mass Reduction (%)
Total Suspended Solids (TSS)	43.89	4.94	89%
Total Nitrogen (TN)	1.76	1.50	14%
Total Phosphorus (TP)	0.24	0.06	77%

Estimated stormwater water quality benefits provided by the OptiRTC system from May 1, 2014 until May 1, 2015.









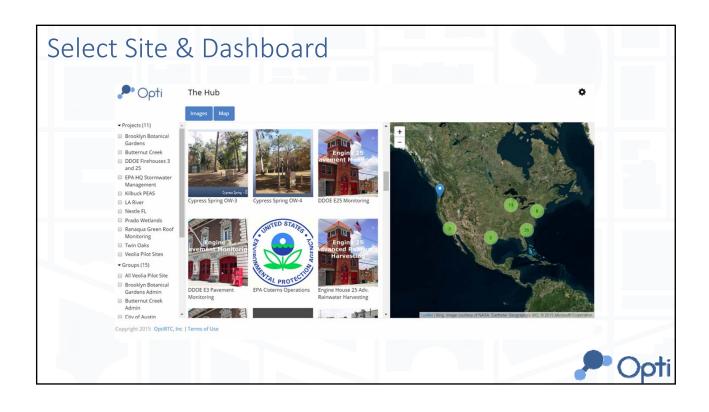


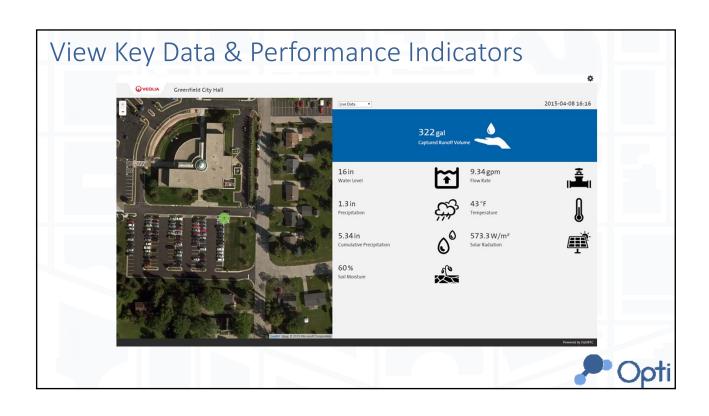


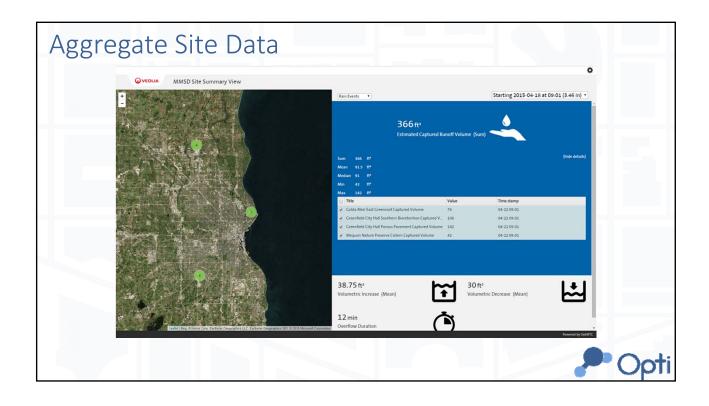


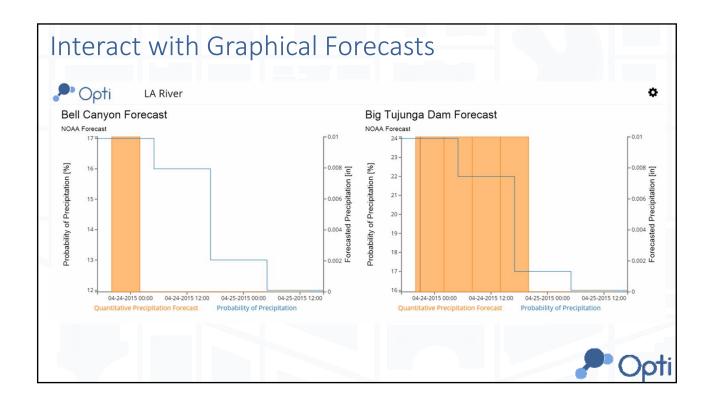


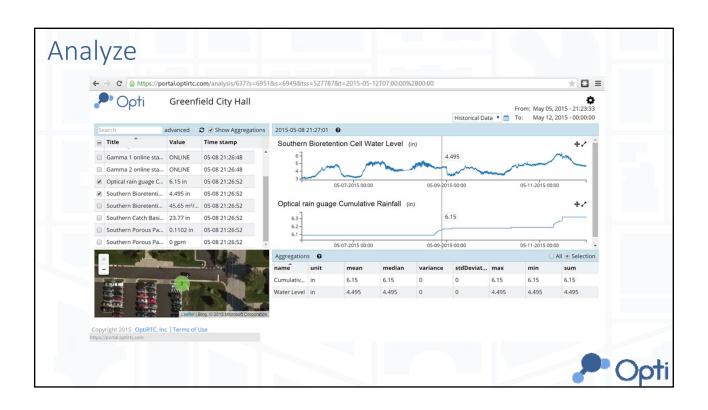












Installed Hardware Examples





