

**2009-2011 Parks, Trails Building Grounds
Water Recommendation Tracking**

Building	Recommendation	Status		Quantity To Replace	Water Audit		Annual Maintenance	Comments	Return Period for Investment (Yrs.)	Short Term Project	Long Term Project
		Open	Completed		Estimated TOTAL Cost	Actual TOTAL Cost					
<u>Bayou Gulch Regional Park</u>	Rotors & pop-ups on same zone		X	0	\$ -	\$ -	NA	Nozzle changes to match precipitation rates	0	X	
	Drip would be more efficient	X		0	\$ -	\$ -	NA	Don't agree with water audit comments	0	X	
	Central control		X	1	\$ 16,378.00	\$ 11,849.00	\$ 597.00	Installed	12.5	X	
	Wireless sensor		X	1	\$ 3,500.00	\$ 1,393.00	NA	Installed	26.7	X	
<u>Challenger Regional Park</u>	Too many zoned - double up		X	0	\$ -	\$ -	NA	New controller installed allowing zones to be separated		X	
	Central control		X	1	\$ 18,520.00	\$ 13,974.00	\$ 597.00	Installed	6	X	
	Wireless sensor		X	1	\$ 3,500.00	\$ 409.00	NA	Installed	14.2	X	
	Renovate irrigation system	X		NA	\$ 165,000.00	\$ -	NA	Future years	18.3		X
<u>Dupont Triangle</u>	Wiper seals leak	X			\$ -	\$ -	NA	Future renovation to system - 2013	0	X	
	Impact heads not very efficient	X			\$ -	\$ -	NA	Future renovation to system - 2013	0	X	
	Central control		X	1	\$ 18,520.00	\$ 13,974.00	\$ 597.00	Installed	6.3	X	
<u>Fairgrounds Regional Park</u>	One row of heads - major over spray		X	1	\$ -	\$ -	NA	Zones removed - replaced with sidewalk	0	X	
	Move rain sensor			1	\$ 50.00	\$ -	NA	Relocated	0	X	
	Central control		X	1	\$ 31,842.00	\$ 21,919.00	\$ 597.00	Installed	3.1	X	
	Wireless sensor		X	1	\$ 14,000.00	\$ 6,579.00	NA	Installed	4.8	X	
	Install pressure reducing valve		X	1	\$ 4,000.00	\$ -		Installed from inventory - no cost	2.3	X	
<u>Highland Heritage Regional Park</u>	Valve box located in sidewalk	X		1	\$ -	\$ -	NA	Placement of valve box has no impact on water savings	0	X	
	Major run off due to overspray		X	NA	\$ -	\$ -	NA	Changed nozzles, adjusted heads & raised heads	0	X	
	Central control		X	1	\$ 8,515.00	\$ 8,411.00	\$ 597.00	Installed	1.84	X	
	Wireless sensor		X	1	\$ 3,500.00	\$ 1,770.00	NA	Installed	7.6	X	
	Renovate irrigation system	X		NA	\$ 197,000.00	\$ -	NA	Future years	10.9		X
<u>Pinery Park</u>	Pop-up heads would be more efficient	X		1	\$ -	\$ -	NA	Don't agree with water audit comments	0	X	
	Central control		X	1	\$ 5,459.00	\$ 3,520.00	\$ 597.00	Installed	6.3	X	
	Wireless sensor		X	1	\$ 3,500.00	\$ 409.00	NA	Installed	38.8	X	
<u>Whispering Pines</u>	Rock blocking spray pattern		X	1	\$ -	\$ -	NA	Head adjusted	0	X	
	Well water should be metered		X	1	\$ -	\$ -	NA	Meter installation	0	X	
	Central control			1	NA	\$ 6,889.00	\$ 597.00	Installed	6.3	X	
<u>CSU Extension</u>	Pipe not buried		X	1	\$ -	\$ -	NA	Poly pipe was buried	0	X	
	Central control		X	1	\$ 2,392.00	\$ 2,782.00	\$ 597.00	Installed	23.4	X	
	Wireless sensor		X	1	\$ 3,500.00	\$ 409.00	NA	Installed	425.7	X	
	Renovate irrigation system		X	NA	\$ 4,450.00	\$ -	NA	Future Years	14.7		X
<u>Ev Tech</u>	Install pressure reducing valve		X	1	\$ 300.00	\$ -	NA	Adjusted pressure	0.9	X	
	Relocate rain sensor		X	1	\$ 50.00	\$ -	NA	Relocated	1.5	X	
	Central control		X	1	\$ 2,723.00	\$ 2,799.00	\$ 597.00	Installed	4.7	X	
	Wireless sensor		X	1	\$ 3,500.00	\$ 611.00	NA	Installed	51.7	X	
<u>Events Center</u>	Over spray on street		X	1	\$ -	\$ -	NA	Head adjustment	0	X	
	Relocate head out of cobble		X	1	\$ -	\$ -	NA	Relocate head into turf area	0	X	
	Move rain sensor		X	1	\$ 50.00	\$ -	NA	Relocated	0.2	X	
	Central control		X	1	\$ 3,529.00	\$ 5,290.00	\$ 597.00	Installed	6.1	X	
	Wireless sensor		X	1	\$ 3,500.00	\$ 611.00	NA	Installed	34.5	X	
	Replace system	X		NA	\$ 14,445.00	\$ -	NA	Future years	8.5		X

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		Open	Completed		Estimated TOTAL Cost	Actual TOTAL Cost					
Human Services	Central control		X	1	\$ 2,092.00	\$ 3,437.00	\$ 597.00	Installed	33.1	X	
	Wireless sensor		X	1	\$ 3,500.00	\$ 611.00	NA	Installed	413.7	X	
Indoor Arena	Valve box elevation		X	1	\$ -	\$ -	NA	Elevation of valve box has no impact on water savings	0	X	
	Shrubs blocking spray		X	NA	\$ -	\$ -	NA	Pruined shrubs	0	X	
	Install rain Sensor		X	1	\$ -	\$ 100.00	\$ -	Installed	1	X	
	Central control		X	1	NA	\$ 1,673.00	\$ 597.00	Installed	6.3	X	
	Wireless sensor		X	1	\$ -			Installed	38.8		
Justice Center	Head watering rock		X	1	\$ -	\$ -	NA	Head adjusted & nozzle changes	0	X	
	Rotor & spray heads on same zone		X	1	\$ -	\$ -	NA	Zones have been separated	0	X	
	Move rain sensor		X	1	\$ 50.00	\$ -	NA	Relocated	0.4	X	
	Add Rain Sensor		X	1	\$ 150.00	\$ 100.00	NA	Installed	2.3	X	
	Central control		X	1	\$ 2,092.00	\$ 8,540.00	\$ 597.00	Installed	1.3	X	
	Wireless sensor		X	1	\$ 3,500.00	\$ 815.00	NA	Installed	27.4	X	
	Renovate Irrigation System	X		NA	\$ 74,000.00	\$ -		Future years	16.2		X
Louviers Cluhouse	Raise PVB		X	1	\$ -	\$ -	NA	Elevation of PVB meets code	0	X	
	Shrubs blocking spray		X	1	\$ -	\$ -	NA	Pruined shrubs	0	X	
	Central control		X	1	\$ 2,092.00	\$ 5,283.00	\$ 597.00	Installed	6.3	X	
	Wireless sensor		X	1	\$ 3,500.00	\$ 611.00	NA	Installed	38.8	X	
	Install water meter to track irrigation usage		X	1	NA	\$ -	NA	Working with Water Department - 2012 project	0	X	
Op Tech / Public Works	Move rain sensor		X	1	\$ 50.00	\$ -	NA	Relocated	10.3	X	
	Cap heads in rock Area/redo 3 turf zones		X	3	\$ 120.00	\$ -	NA	Completed	10	X	
	Central control		X	1	\$ 1,913.00	\$ 1,673.00	\$ 597.00	Installed	26.4	X	
	Wireless sensor		X	1	\$ 3,500.00	\$ 598.00	NA	Installed	727	X	
P.S. Miller	Sprinkler head change		X	NA	\$ -	\$ -	NA	Replaced heads in beds with Micro Sprays	0	X	
	Valve box located in stone area	X		3	\$ -	\$ -	NA	Placement of valve box has no impact on water savings	0	X	
	Turf Removal		X	1	\$ -	\$ -	NA	Removed turf	0	X	
	Central control		X	1	\$ 2,724.00	\$ 2,628.00	\$ 597.00	Installed	14.7	X	
	Wireless sensor		X	1	\$ 3,500.00	\$ 598.00	NA	Installed	236	X	
Park Meadows	Install enclosure to backflow	X		1	\$ -	\$ -	NA	Enclosure doesn't impact water savings	0	X	
	Shrubs blocking spray pattern		X	1	\$ -	\$ -	NA	Shrubs have been pruned	0	X	
	Move rain sensor		X	1	\$ 50.00	\$ -	NA	Relocated	3.1	X	
	Central control		X	1	\$ 2,392.00	\$ 2,782.00	\$ 597.00	Installed	6.3	X	
	Wireless sensor		X	1	\$ 3,500.00	\$ 611.00	NA	Installed	46.3	X	
Road & Bridge	Rotor head watering rocks & sign		X	1	\$ -	\$ -	NA	Adjusted heads	0	X	
	Central control		X	1	\$ 2,392.00	\$ 2,782.00	\$ 597.00	Installed	6.3	X	
Tin Tech	Rotor heads would be more efficient		X	NA	\$ -	\$ -	NA	Irrigation system abandoned will not be used	0	X	
	Well water should be metered		X	1	\$ -	\$ -	NA	Meter installed	0	X	
	Installed rain sensor		X	1	\$ 100.00	\$ 100.00	NA	Installed	1	X	
	Central control		X	1	\$ 1,673.00	\$ 598.00	\$ 597.00	Installed	6.3	X	
	Wireless sensor		X	1	\$ -	\$ -	NA	Installed	38.8	X	

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		Open	Completed		Estimated	Actual	Annual				
					TOTAL Cost	TOTAL Cost	Maintenance				
<u>Traffic Services</u>	Allow turf to go native		X	1	\$ -	\$ -	NA	Turf has been allowed to go native	0	X	
	Drainage area being watered		X	NA	\$ -	\$ -	NA	Irrigation shut down	0	X	
	Central control			1	\$ -	\$ 1,718.00	\$ 597.00	Audit didn't include this recommendation, but will be implemented the same as all other sites	6.3	X	
	Wireless sensor			1	\$ -	\$ 598.00	NA	Installed	38.8	X	
<u>Wilcox</u>	Replace PVB		X	1	\$ -	\$ -	NA	Water source not in use - abandon	0	X	
	Pruin plant material - effecting spray pattern		X	NA	\$ -	\$ -	NA	Staff pruned all hedges	0	X	
	Relocate rain sensor		X	1	\$ 50.00	\$ -	NA	Relocated	0.6	X	
	Mismatched water zone		X	NA	\$ -	\$ -	NA	Separated turf from planting beds zones	0	X	
	Central control		X	1	\$ 2,724.00	\$ 3,146.00	\$ 597.00	Installed	6.9	X	
	Wireless sensor		X	1	\$ 3,500.00	\$ 611.00	NA	Installed	38.8	X	
	Replace system	X		NA	\$ 18,500.00	\$ -	NA	Future years	17.8		X