

## V. Survey Findings & Recommendations

The table below summarizes our recommendations for improving water use efficiency at this facility. This analysis includes the costs associated with implementing each water efficiency measure, any available rebates or incentives, total annual water savings, and the estimated annual financial savings resulting from improved efficiency in water and energy use. The "simple payback" is the number of years it will take for the cost savings to pay for the cost of implementing the measure. Payback calculations do not account for inflation, equipment life, or operation and maintenance costs. This table includes recommendations for meter 039308227 and for meter 060157528.

### Summary of Recommended Indoor Water Efficiency Measures

Water Efficiency Measures	Units	Initial Cost	Rebates & Incentives	Water Savings (Gal/Yr)	Water Savings (10 CF/Yr)	Annual Savings <sup>1</sup>	Simple Payback <sup>2</sup> (Years)
<b>Sanitary Water Efficiency Recommendations</b>							
Replace Lavatory Faucet Aerators with 0.5 gpm Tamper-Resistant Models	6	\$ 18	\$ -	24,385	326	\$ 145	Less than One Year
Retrofit 1.6 gpf Flush Valve Toilets with Dual Flush Handle Kits	10	\$ 500	\$ -	15,858	212	\$ 85	5.9
Replace 2.5 gpf Tank Toilets with Dual Flush HET Models	1	\$ 300	\$ 200	8,228	110	\$ 44	2.3
Replace 1.6 gpf Tank Toilets with Dual Flush HET Models	2	\$ 600	\$ 400	3,964	53	\$ 21	9.5
<b>Kitchen Water Efficiency Recommendations</b>							
Replace Mixed-Use Faucet Aerators with 1.5 gpm Models	1	Free Program	\$ -	2,693	36	\$ 14	Immediate
<b>Classroom Water Efficiency Recommendations</b>							
Replace Classroom Faucet Aerators with 1.5 gpm Tamper-Resistant Models	1	\$ 3	\$ -	150	2	\$ 1	3.0
<b>Totals:</b>		<b>\$ 1,421</b>	<b>\$ 600</b>	<b>55,278</b>	<b>739</b>	<b>\$ 310</b>	<b>2.6</b>

1. Savings for water and energy costs.
2. The total simple payback period is based on the total implementation costs and the total savings amount (the bottom line), it is not an average of the payback periods of each recommended measure.

### Potential Landscape Water Savings

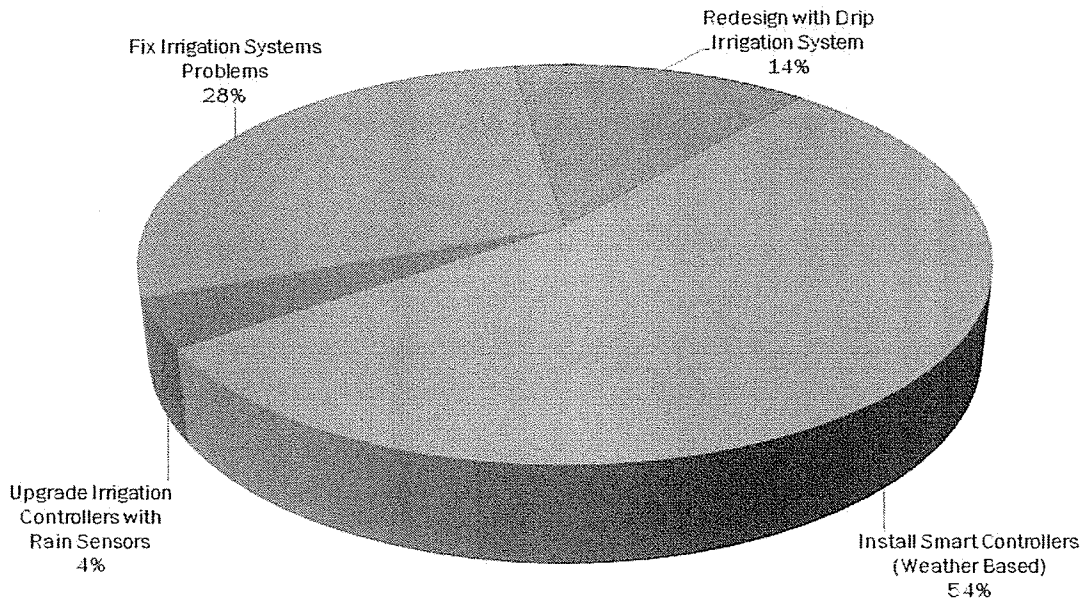
Water savings in the landscape can be achieved by making changes and/or improvements to the landscape itself, the irrigation system, and the management of the irrigation system. The table below provides a list of recommendations for this site, along with the contribution of each to the total savings potential.

Water Efficiency Measure	Units	Initial Cost	Rebates & Incentives	Water Savings (Gal/Yr)	Water Savings (10 CF/Yr)	Annual Savings <sup>1</sup>	Simple Payback <sup>2</sup> (Years)
Fix Irrigation Systems Problems	9	\$272	\$0	38,896	520	\$208	1
Redesign 4 Stations with Drip Irrigation System (sq ft)	1,995	\$479	\$0	18,625	249	\$99	5
Install Smart Controllers (Weather Based)	2	\$600	\$240	74,725	999	\$401	Less than One Year
Upgrade Irrigation Controllers with a Rain Sensor	2	\$70	\$50	5,535	74	\$30	Less than One Year
<b>Totals:</b>		<b>\$ 1,421</b>	<b>\$ 290</b>	<b>137,781</b>	<b>1,842</b>	<b>\$ 738</b>	<b>1.5</b>

Remove

1. Cost savings on usage above the calculated water allotment will be based on tiered water rates of up to \$2.8051 per 10 CF (February 2010 rates).
2. The total simple payback period is based on the total implementation costs and the total savings amount (the bottom line), it is not an average of the payback periods of each recommended measure.

### Water Savings per Recommendation



A cost analysis for each recommendation and general recommendations for improving cultural practices are found on the following pages of this report.