

Energy Conservation Opportunity	Estimated Annual Electric Savings (kWh)	Estimated Demand Savings (kW)	Estimated Annual Gas Savings (therms)	Estimated Annual Energy Savings (\$)	Estimated Capital Costs (\$)	Estimated Simple Payback (years)	System Age (years)	Estimated Remaining System Life* (years)	CIP Replacement Year	Estimated Non-Improved Replacement Cost (\$)	Percentage of Total kWh Saved %	Percentage of Total Therms Saved %	Estimated Useful Life	CIP Request	Future Replacement Value Assumes 3% inflation	Annual Depreciation Expense		
Prescriptive Measures																		
1	Replace Air Handling Unit 3-way Valves with 2-way Valves	201,100	0	0	\$12,649.19	\$46,820	3.7	29	1	FY14	\$26,000.00	12%	0%	20				
2	New Cooling Tower and Variable Volume Condenser Water Loop Retrofit	29,750	0	0	\$1,871.28	\$207,383	110.8	29	-9	FY14	\$165,000.00	2%	0%	20	\$425,000	\$767,597.27	\$38,379.86	Begin funding in FY2014
3	Replace Pneumatic Controls with DDC	210,420	0	2,100	\$14,417.72	\$250,000	17.3	29	-9	FY15	\$20,000 / year	12%	5%	20	\$300,000	\$541,833.37	\$27,091.67	Begin funding in FY2015
4	Addition of Reheat to VAV Boxes	0	0	900	\$506.70	\$170,000	335.5	5 to 29	15 to -9	FY16	\$100,000.00	0%	2%	20	\$170,000	\$307,038.91	\$15,351.95	Begin funding in FY2016
5	Replace Domestic Water Heat Exchangers	0	0	6,500	\$3,659.50	\$37,277	10.2	5 to 29	-5	FY17	\$37,000.00	0%	16%	20				Begin funding in FY2017
6	Premium Efficiency Motors	1,600	0	0	\$100.64	\$15,000	149.0	0 to 29	0 to 18	FY17	\$5,220/year	0%	0%	20	\$160,000	\$288,977.80	\$14,448.89	Begin funding in FY2018
7	Condensing Boilers	0	0	6,200	\$3,490.60	\$164,000	47.0	5 and 12	19 and 12	FY18	\$130,000.00	0%	16%	20	\$164,000	\$296,202.24	\$14,810.11	Begin funding in FY2018
8	Replace Basement Electrical Room Mini-Split System	0	0	0	\$0.00	\$8,000	NA	5	10	n/a	\$8,000.00	0%	0%					Begin funding in FY2019
9	New Chiller Plant	150,135	0	0	\$9,443.49	\$526,300	55.7	12 and 15	11 and 8	FY19	\$374,000.00	9%	0%	20	\$550,000	\$993,361.18	\$49,668.06	Begin funding in FY2019
	Total	593,005	0	15,700	46139.1145	\$1,424,780	30.9					23%	40%		\$1,769,000.00		\$159,750.54	
	Current Usage	1,729,491	124	39,637	131140													
	Percent Savings	34%	0%	40%	35%													

*Measures were analyzed separately and interactive effects have not been taken into account.
* Expected Life Estimates from AHSRAE Handbook - HVAC Applications 36.3