



750,000 Square Foot California Hospital

RCx Financial Rewards

\$/kW:\$4.04

\$/kwh:\$0.116

\$/therm:\$0.924

#	Recommended Measures	peak kW savings	kWh/yr savings	therm/yr savings	\$ maint savings	Total \$ savings	Estimated \$ cost	In-house	Simple Payback	Rebates	ROI w/ Rebates
1	Schedule control for AHUs serving intermittently occupied areas	0.0	593,912	55,365	\$0	\$102,828	\$6,960	Yes	0.1	\$6,9600	net cost
2	Repair and optimize control of economizers	0.0	462,156	134,489	\$0	\$177,878	\$17,100	Yes	0.1	\$17,10000	net cost
3	Optimize variable volume CHW pump control	29.4	514,489	0	\$0	\$61,104	\$9,525	No	0.2	\$9,5250	net cost
4	Optimize and tune control loops for CW pump speed controls	13.4	234,987	0	\$0	\$27,909	\$4,400	No	0.2	\$4,4000	net cost
5	Reset HHW temperatures	0.0	0	40,347	\$0	\$37,280	\$8,200	No	0.2	\$8,2000	net cost
6	Test and adjust ED/CCU air volumes and optimize VFD controls	6.6	291,100	0	\$0	\$34,090	\$8,420	No	0.2	\$8,4200	net cost
7	Reset AHU supply air temperature setpoints	0.0	244,733	123,134	\$0	\$142,165	\$35,775	Yes	0.3	\$19,579	878%
8	Optimize staging of cooling tower flow and fan speed	0.0	61,366	0	\$0	\$7,118	\$4,480	No	0.6	\$4,4800	net cost
9	Replace damaged/missing steam/HW pipe insulation	0.0	0	10,979	\$0	\$10,145	\$6,600	No	0.7	\$0	154%
10	Add VFDs where applicable or where existing VFD inoperable	6.4	280,400	0	\$0	\$32,837	\$31,000	No	0.9	\$22,432	383%
11	VFDs and Intellihood™ Control for kitchen makeup/exhaust	0.0	105,638	7,294	\$0	\$18,994	\$19,300	No	1.0	\$8,451	175%
12	Upgrade all incandescent lighting to more efficient sources	1.5	8,729	0	\$0	\$1,084	\$1,184	Yes	1.1	\$436	145%
14	Reset CHW temperatures	0.0	33,214	0	\$0	\$3,853	\$4,300	No	1.1	\$2,657	235%
15	Adjust/replace clocks/photo controls for exterior lighting	2.3	10,100	0	\$0	\$1,283	\$1,855	Yes	1.4	\$505	95%
16	Provide daylighting controls for lighting in daylit areas	6.6	24,678	0	\$196	\$3,379	\$5,400	No	1.6	\$1,234	81%
17	Install vending machine controls	1.3	23,078	0	\$0	\$2,741	\$4,460	No	1.6	\$1,846	105%
18	Calibrate zone thermostats	0.0	46,627	20,441	\$0	\$24,296	\$45,250	No	1.9	\$0	54%
19	Replace damaged/missing CHW pipe insulation	0.0	2,885	1,536	\$0	\$1,754	\$3,800	No	2.2	\$0	46%
20	Repair leaking steam traps	0.0	0	1,251	\$0	\$1,156	\$2,525	Yes	2.2	\$1,001	76%
21	Control lighting in support spaces with occupancy sensors	0.0	105,608	0	\$0	\$12,251	\$28,300	No	2.3	\$5,280	53%
22	Upgrade all fluorescent lighting to latest generation T8	74.0	546,120	0	\$0	\$66,937	\$162,800	No	2.4	\$27,306	49%
23	Repair and re-seal leaking plenums, flex connectors	0.0	514	853	\$0	\$848	\$3,168	Yes	3.7	\$0	27%
TOTALS		141.5	3,590,335	395,689	\$196	\$771,929	\$414,802		0.5	\$149,813	291%

Savings, Cost & Payback