

Xcel Energy Analysis Report

City of Grand Junction - Senior Center



Exhibit 8: Lighting Details

Existing Fixture Type	Existing Fixture Wattage (Watts)	Fixture Quantity	Proposed Fixture Type	Proposed Fixture Wattage (Watts)	Annual Op. Hours	kWh Savings	Peak kW Savings	Estimated Energy Cost Savings (\$/yr)	Estimated Incentive (\$)	Estimated Project Cost (\$)	Effective Useful Life (yrs)	Simple Payback (yrs)
60W Incandescent Globe Lights	60	20	ENERGY STAR Qualified LED Screw-In Lamp	18	2,912	2,446	0.6	260	100	220	10	0.5
4-lamp 34W T12 2'x4' Troffer	144	36	DLC Qualified LED Replacement Lamp (UL Type B)	36	2,912	11,322	2.6	1,204	576	3,456	10	2.4
4-lamp 60W T12 8' Strip Fixture Main Common Area	263	15	DLC Qualified LED Direct Linear Ambient Luminaires	66	2,912	8,616	2.0	916	225	4,035	20	4.2
2-lamp 32W T8 4' Strip Fixture	59	1	DLC Qualified LED Replacement Lamp (UL Type B)	30	2,912	86	0.0	9	8	48	10	4.4
2-lamp 95W T8 8' Strip Fixture	203	2	DLC Qualified LED Replacement Lamp (UL Type B)	102	2,912	591	0.1	63	16	96	10	1.3
2-lamp 34W T12 4' Strip Fixture	67	1	DLC Qualified LED Replacement Lamp (UL Type B)	34	2,912	98	0.0	10	8	48	10	3.9
Total		75				23,158	5.4	2,463	933	7,903	14	2.8