

Xcel Energy Analysis Report

City of Grand Junction - Building B Facilities/Police Evidence



Exhibit 9: 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)
100W HID Wall Packs	125	5	DLC Qualified LED Mogul Screw-Based Replacement Lamps	25	4,380	2,190	0.0	251	0	1,010	10	4.0
2-lamp 32W CFL Wall Pack	84	2	DLC Qualified LED Four Pin-Based Replacement Lamps	42	4,380	368	0.0	42	0	72	9	1.7
2-lamp 32W T8 4' Strip Fixture Police Evidence	59	11	DLC Qualified LED Replacement Lamp (UL Type B)	30	2,912	1,068	0.2	122	88	528	10	3.6
4-lamp 60W T8 8' Strip Fixtures Police Evidence	117	28	DLC Qualified LED Replacement Lamp (UL Type B)	59	416	770	1.1	88	448	2,688	10	25.4
4-lamp 32W T8 2'x4' Troffer Facilities Office	117	19	DLC Qualified LED Replacement Lamp (UL Type B)	59	2,912	3,657	0.8	419	304	1,824	10	3.6
2-lamp 32W T8 4' Strip Fixture Facilities Storage Room	59	5	DLC Qualified LED Replacement Lamp (UL Type A)	30	520	87	0.1	10	30	240	12	21.2
4-lamp 32W T8 4' Strip Fixture Server Room	117	2	DLC Qualified LED Replacement Lamp (UL Type B)	59	520	69	0.1	8	32	192	10	20.3
Total		72				8,209	2.3	940	902	6,554	10	6.0