

Xcel Energy Analysis Report

City of Grand Junction - Building E Water Department



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)	
2-lamp 32W T8 2'x4' Troffer	59	38	DLC Qualified LED Replacement Lamp (UL Type B)	30	2,340	2,964	0.8	332	304	1,824	10	4.6	
2-lamp 32W T8 4' Strip Fixture	59	1	DLC Qualified LED Replacement Lamp (UL Type B)	30	2,340	78	0.0	9	8	48	10	4.6	
4-lamp 32W T8 4' Strip Fixture	117	4	DLC Qualified LED Replacement Lamp (UL Type B)	59	2,340	619	0.2	69	64	384	10	4.6	
2-lamp 32W CFL Exterior wall pack	84	5	DLC Qualified LED Four Pin-Based Replacement Lamps	42	4,380	920	0.0	103	0	300	9	2.9	
1-lamp 23W CFL Exterior Wall pack	30	3	DLC Qualified LED Four Pin-Based Replacement Lamps	15	4,380	197	0.0	22	0	90	9	4.1	
1-lamp 23W CFL Exterior Canopy	30	4	DLC Qualified LED Four Pin-Based Replacement Lamps	15	4,380	263	0.0	29	0	120	9	4.1	
Total		55					5,041	1.0	565	376	2,766	10	4.2