

Emergency Lights

Current Fixture	# of Bulbs	Watts	Usage				
Replacement LED Fixture	2	25	50	Watts			
Watts Savings / Hour	1	19	19	Watts			
Kilowatt Savings / Hour			31	Watts			
			0.031	kwh			
	Hours per Day Used	# Days Used	Annual kwh Savings/ Fixture	Rate/ kwh	Annual Savings		
On-Peak	12	365	135.78	\$0.07235	\$9.82		
Off-Peak	12	365	135.78	\$0.04730	\$6.42		
Annual Peak Demand Surcharge				Annual Savings on Demand Surcharge	\$0.55		
	\$1.48 / kwh						
Monthly Excess Control Surcharge				Annual Savings on Excess Surcharge	\$2.33		
	\$6.26 / kwh						
Total Annual Savings Per Fixture					\$19.13		

Project Cost and Savings Calculation

Total Number of Fixtures	40
Cost per Bulb	\$18.62
Cost per Fixture (1 bulb)	\$18.62
Project Cost	\$744.80
Total Annual Project Savings	\$765.01
Payback in years	1.0

Assumes Focus On Energy Rebate of \$11.38 per bulb.

Emergency Lights

Current Fixture	# of Bulbs	Watts	Usage	Watts	
Replacement LED Fixture	2	25	50	Watts	
Watts Savings / Hour	2	19	38	Watts	
Kilowatt Savings / Hour			12	Watts	
			0.012	kwh	
	Hours per Day Used	# Days Used	Annual kwh Savings / Fixture	Rate / kwh	Annual Savings
On-Peak	12	365	52.56	\$0.07235	\$3.80
Off-Peak	12	365	52.56	\$0.04730	\$2.49
Annual Peak Demand Surcharge					
	\$1.48 / kwh				Annual Savings on Demand Surcharge
					\$0.21
Monthly Excess Control Surcharge					
	\$6.26 / kwh				Annual Savings on Excess Surcharge
					\$0.90
Total Annual Savings Per Fixture					\$7.40

Project Cost and Savings Calculation

Total Number of Fixtures	40
Cost per Bulb	\$18.62
Cost per Fixture (2 bulbs)	\$37.24
Project Cost	\$1,489.60
Total Annual Project Savings	\$296.13
Payback in years	5.0

Assumes Focus On Energy Rebate of \$11.38 per bulb.