

**Veterans Memorial Coliseum**  
**Coliseum Concourse LED Lighting Upgrade**  
**SMART Fund Application Analysis**

**Fixture Counts:**

	Current T8 Bulbs	Proposed LED Fixtures
Existing T8's - All Levels	1,832	-
Flat Panel - Arena & Uppers Concourses	-	250
Surface Mounted Wrap Fixtures	-	95
	1,832	345

	Current Fixtures	LED Fixtures	Savings
Number of Bulbs/Fixtures	1,832	345	
Power Consumption Per Bulb/Fixture	32	60	
Hours Used Per Day	8		
Hours Used Per Year	5,349,440	1,007,400	
Kilowatts Per Year	171,182	60,444	110,738
Rate per Kilowatt	0.1483224	0.1483224	
Annual Electrical Cost	\$25,390.13	\$8,965.20	\$16,424.93
Installed Cost per Fixture	\$206.50		
Number of LED Fixtures	345		
Total Installation Costs	\$71,242.50		
Project Contingency	0.15	\$10,686.38	
Total Project Budget		\$81,928.88	

<b>Project Payback Period (Years)</b>	<b>4.99</b>
<b>GHG Reduction (Metric Tons)</b>	<b>77.8</b>