

Exhibition Hall
Exhibit Halls A-D LED Upgrade
SMART Fund Application Analysis

Fixture Counts:

	Current T8 Bulbs	Proposed LED Fixtures
Existing T8 Working Lights	488	-
LED Flat Panel High Bays	-	82
	488	82

	Current Fixtures	LED Fixtures	Savings
Number of Bulbs/Fixtures	488	82	
Power Consumption Per Bulb/Fixture	54	100	
Hours Used Per Day	12		
Hours Used Per Year	2,137,440	359,160	
Kilowatts Per Year	115,422	35,916	79,506
Rate per Kilowatt	0.1483224	0.1483224	
Annual Electrical Cost	\$17,119.67	\$5,327.15	\$11,792.52
Installed Cost per Fixture	\$993.90		
Number of LED Fixtures	82		
Total Installation Costs	\$81,499.80		
Project Contingency	0	\$0.00	
Total Project Budget	\$81,499.80		

Project Payback Period (Years)	6.91
GHG Reduction (Metric Tons)	59.2