

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

Fixture Counts:

	Current T8 Bulbs	Proposed LED Fixtures
Existing T8 Working Lights	788	-
LED Flat Panel High Bays	-	232
	788	232

	Current Fixtures	LED Fixtures	Savings
Number of Bulbs/Fixtures	788	232	
Power Consumption Per Bulb/Fixture	54	100	
Hours Used Per Day	15		
Hours Used Per Year	4,314,300	1,270,200	
Kilowatts Per Year	232,972	127,020	105,952
Rate per Kilowatt	0.1483224	0.1483224	
Annual Electrical Cost	\$34,554.97	\$18,839.91	\$15,715.06

Installed Cost per Fixture	\$477.00
Number of LED Fixtures	232
Total Installation Costs	\$110,664.00
Project Contingency	0 \$0.00
Total Project Budget	\$110,664.00

Project Payback Period (Years)	7.04
GHG Reduction (Metric Tons)	78.8