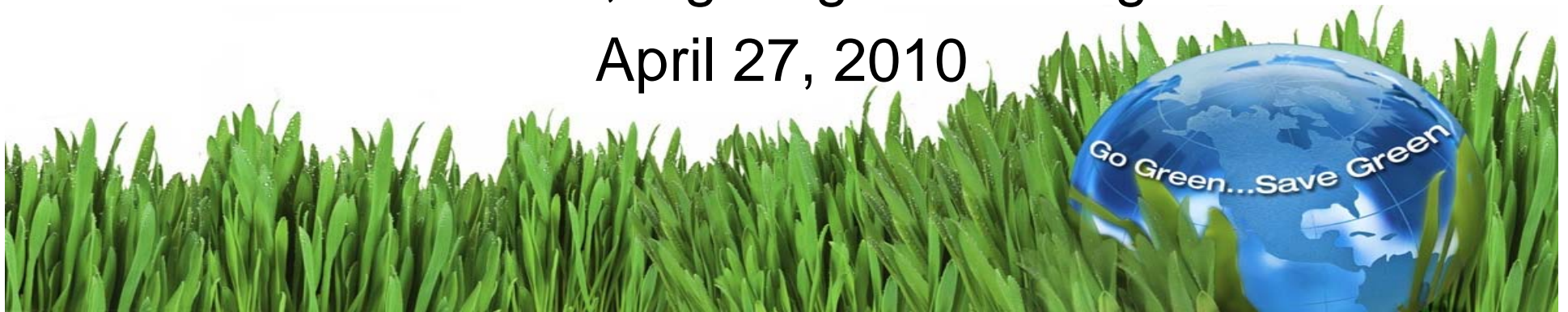


We are a leading design, manufacturer and  
distributor of Energy Efficient  
LED Lighting Products



Bob Baird, Lighting Technologies

April 27, 2010





## Why Convert to LED?

- **SAVES MONEY!** - LED lighting can reduce energy consumption an incredible 70% or more! That's immediate savings direct to your bottom line.
- **LONG LIFE!** - LEDs are designed to provide 70,000+ hours of light. This is 3 to 4 times that of conventional light sources.
- **Lumen Depreciation** – Conventional light sources lose output up front: up to 15% over the first 5000 hours while LEDs are a gradual, straight line: 30% at 70,000 hours.





- **DURABLE!** - LEDs are solid state / no filament. They are vibration & shock resistant making them less susceptible to damage compared to bulbs. Virtually maintenance free over their life time.

- **ENVIRONMENTALLY FRIENDLY!**

- LEDs contain NO MERCURY or other hazardous materials.
- Almost 100% Recyclable.
- No UV Radiation!
- **No special handling or added disposal cost \$\$\$ required**

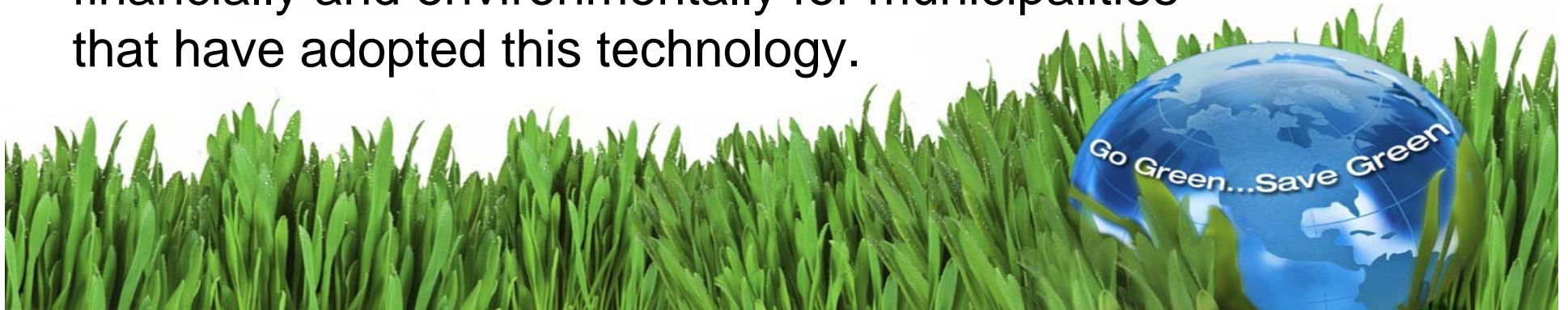
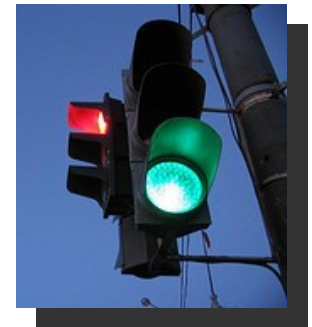




# Proven Technology in a New Application

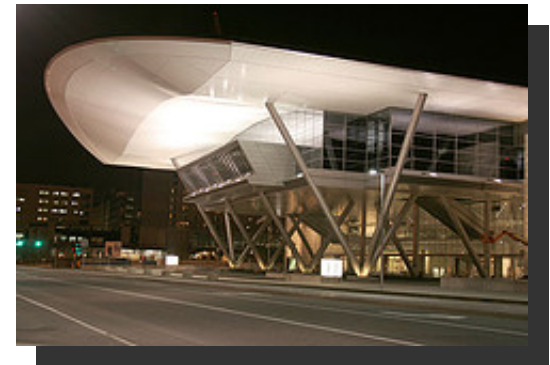
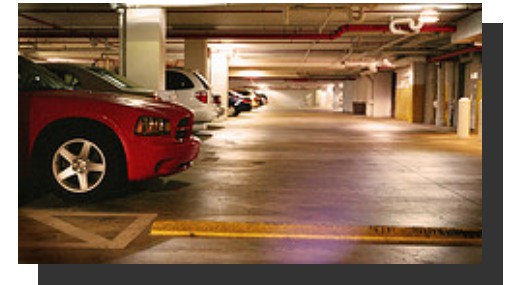
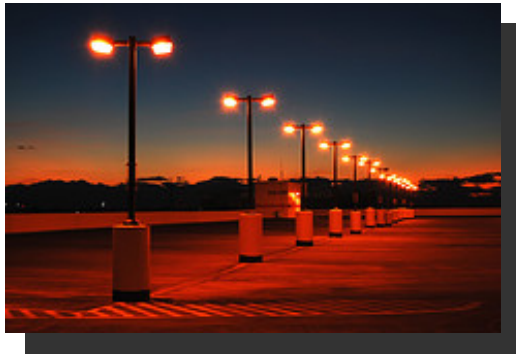
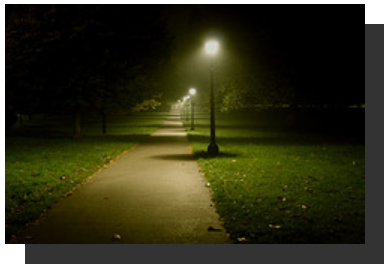
Although LED Lighting is the most rapidly advancing light source it is not new.

- LEDs have been used for over 15 years in the traffic signal world.
- Over 6 million LED traffic signal indications have been deployed in the US.
- LEDs continue to make a significant impact both financially and environmentally for municipalities that have adopted this technology.





# LEDs Are Having The Same Impact In General Purpose Lighting...





- Street Lighting
- Parking Garage and Surface Parking Lighting
- Public Parks and Recreation Areas
- Security Lighting
- Architectural Lighting
- Bridge and Tunnel Lighting
- Specific Interior applications





## Case Study / 4300 fixture Airport Parking Garage

Existing Fixture Metal Halide @ 215 watts  
LED replacement - 72 watts  
Watts saved per fixture 143 watts X 4300 fixtures = 614.9 kw

Total Saved kilowatts 614.9 X 24hrs a day X 7 days a week X 52 weeks =  
5,371,766.40 Total kilowatt hours per year X Power cost ( 9 cents per kwh )  
**Power cost savings per year.....\$483,458.98**

LED Est. Life of 8.1 years X **\$483,458.98 =**

Lifetime Power Savings **\$3,873,870.03**





Payback from Power Savings only = 5.38 years  
Return on Investment = 18.59%

### Maintenance Savings over life of LEDs

LED Est. life ...70,000hrs

Existing fixture..12,000hrs

You will relamp 5.8 times at a cost of \$1,379,583.33

Annual maintenance savings.....\$172,232.63





Simple Payback on Power Consumption and Maintenance Cost.....3.97 years

Return on Investment.....25.20%

Recap

LED Conversion Energy and Maintenance Savings  
**\$54,640.97 a Month**





Postponing the installation of energy saving equipment can be an expensive decision at 3-5% increased power cost per year.

- Today's cost of \$10,000
  - Year 1 + \$10,500/month
  - Year 2 + \$11,025/month
  - Year 3 + \$11,576/month
  - Year 4 + \$12,155/month
  - Year 5 + \$12,762/month





**LIGHTING**  
Technologies





# Lighting Technologies LEDs



LED Lighting Products Help  
**YOU** Save **MONEY**, Lower  
**YOUR** "Carbon Footprint" and  
**"GO GREEN"!**



# Thank You!



Bob Baird, Lighting Technologies

407.701.2011

[rbaird@lightingtechnologies.com](mailto:rbaird@lightingtechnologies.com)

