2017 Interior Lighting Campaign Recognition

June 25, 2017
Interior Lighting Campaign Organizers

- BOMA International
- Illuminating Engineering Society
- IFMA (International Facility Management Association)
- GSA (General Services Administration)
- FEMP (Federal Energy Management Program)
- Better Buildings (U.S. Department of Energy)
63% energy reduction compared to existing usage - medium project
- 15,000 kWh saved annually
- ≈ Energy usage of 1.3 homes

72% energy reduction compared to existing usage - large project
- 230,800 kWh saved annually
- ≈ Energy usage of 21.4 homes

Recognition:
Highest Percentage of Annual Energy Savings for Troffer Lighting Retrofits - Medium Project
Highest Percentage of Annual Energy Savings for Troffer Lighting Retrofits - Large Project

T8 lighting troffer retrofit to LED
Target
Corporate-wide, multiple sites

Recognition:
Special Recognition Categories
- Largest Portfolio-wide Annual Energy Savings
- Largest Number of Facility Projects

Highest Percentage of Annual Energy Savings for Troffer Lighting
New Construction - Large Project

- 102 million kWh saved annually at all sites submitted combined
  - ≈ Energy usage of 9,400 homes
  - ≈ $10.5 M in electricity savings
- 369 projects submitted
- 44% energy savings compared to the new construction baseline
DiVi Energy: City buildings (Clearfield, UT) and large residential apartment facility (American Towers, Salt Lake City, UT)

- 1,385 troffers
- 138,300 kWh saved per year
- TLED and high efficiency LED troffers

Recognition:
Outstanding Supporter
Baylor Scott and White Health: Dallas

- 1.8 M kWh saved annually
  - ≈ Energy usage of 167 homes
- 50% energy reduction compared to existing usage
- 7,837 1-lamp (32W) to 4-lamp (124W) fluorescent fixtures converted to LED (average 28W)

This was part of a larger 2-year project where 14,097 fixtures were converted to LED at this campus

Recognition:
Exemplary Healthcare Sector Site
BioStar Lighting:

**US Toy Headquarters, Carnegie Village Sr. Living**

**US Toy Headquarters-Offices**
- ≈ 470 troffers
- 48,880 kwh estimated energy savings
- Orion LED door retrofit 3-lamp T8 (109W) fluorescent to 40W LED

**Carnegie Village Sr. Living**
- ≈ 662 troffers
- 224,435 kwh estimated energy savings
- ESI LED door retrofit 3-lamp T8 fluorescent (109W) to 24W LED

**Recognition:**
Outstanding Supporter
City of Spencer, WI
Village Hall

- 19,000 kWh saved annually
  - ≈ Energy usage of 1.8 homes
- 69% energy reduction compared to existing usage
- 74 2x4 50 W LED troffers (Orion)

Recognition:
Highest Percentage of Annual Energy Savings for Troffer Lighting Retrofits - Medium Project
Cleveland Clinic:  
Main Campus

- 4.8 M kWh saved annually
  - ≈ Energy usage of 444 homes
- 57% energy reduction compared to existing usage
- Installation of 54,316 Energy Focus 8W and 13W linear LED Tubes in 27,238 troffers

Recognition:
Highest Annual Energy Savings for Troffer Lighting Retrofits - Large Project
Columbia Association:
Sports Park & Kahler Hall

- 2,500 kWh / 5,100 saved annually
  - ≈ Energy usage of 0.25 / 0.5 homes
- 64% energy reduction compared to existing usage (medium project)
- 72% energy reduction compared to existing usage (large project)
- Installed 2x4 and 2x2 LED troffers to replace prismatic fluorescent fixtures

Recognition:
Highest Percentage of Annual Energy Savings for Troffer Lighting Retrofits - Small Project
Highest Percentage of Annual Energy Savings for Troffer Lighting Retrofits - Medium Project
Grace Bible Church

• 6,200 kWh saved annually
• ≈ Energy usage of 0.5 homes
• 62% energy reduction

Recognition:
Highest Annual Energy Savings for Troffer Lighting Retrofits - Small Project
The Hartford: Hartford Campus

- 1,200,000 kWh saved annually across multiple projects
- 670,000 kWh at one project
- 44% energy reduction compared to existing usage
- Replaced 17,512 mostly 32 Watt Fluorescent fixtures and others with new LED troffers with hundreds of motion detectors and daylight harvesting controls

Recognition:
Highest Annual Energy Savings for Troffer Lighting New Construction - Large Project
Life Time Fitness: Rochester Hills

- 260,000 kWh saved annually
  - ≈ Energy usage of 24 homes
- 57% energy reduction compared to existing usage
- LED retrofit kits of fluorescent fixtures

Recognition:
Exemplary Retail, Food Service, or Grocery Sector Site
Staples: Corporate Headquarters

- 1.0 million kWh saved annually
  - ≈ Energy usage of 93 homes
- 63% energy reduction compared to existing usage
- 10,500 fluorescent lamps replaced with LED lamps
- 810 offices equipped with occupancy sensors

Recognition:
Exemplary Commercial Real Estate and Hospitality Sector Site
Tutera Real Estate: Highlands

- 113,000 kWh saved annually
  - ≈ Energy usage of 10 homes
- 63% energy reduction compared to existing usage
- Replaced fluorescent equipment with LEDs

Recognition:
Highest Annual Energy Savings for Troffer Lighting Retrofits - Medium Project
Highest Percentage of Annual Energy Savings for Troffer Lighting Retrofits - Medium Project
2.2 million kWh saved annually
  ≈ Energy usage of 204 homes
51% energy reduction compared to existing usage
32 W T8 fluorescent lamps were replaced by TLEDs

Recognition:
Exemplary Federal Sector Site
## ILC Recognition Summary

### 2017 ILC Exemplary Retrofit Project Recognition

<table>
<thead>
<tr>
<th>Exemplary Performance Recognition</th>
<th>Category Range</th>
<th>kWh</th>
<th>Percent</th>
<th>Estimated Annual Monetary savings</th>
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<tbody>
<tr>
<td>Commercial Real Estate:</td>
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<tr>
<td>- Columbia Association</td>
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<tr>
<td>- Staples Corporate Headquarters</td>
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<td>2,500 – 1,000,000</td>
<td>63% - 72%</td>
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<td>Healthcare:</td>
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<td>Municipal:</td>
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<td>Other:</td>
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<td>Retail:</td>
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<td>- Target</td>
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<td>Federal Facilities:</td>
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<td></td>
<td>kWh</td>
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Thank You!

www.interiorlightingcampaign.org