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ENERGY SOLUTIONS

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ENERGY SOLUTIONS

Good For Your Company...Good For The Environment

Turning Green into Gr\$\$\$n

Our goal is to help you turn Green into Gr\$\$\$n by delivering energy savings and better light quality. This improves profitability and productivity while at the same time enhancing the environment!

Why act now?

- **Improved Profitability....by reducing kilowatt hours and maintenance costs!**

Lighting is characterized as the easiest upgrade to an electrical system and among the fastest to payback with **typical energy savings of up to 50-70%** in most HID to fluorescent relighting projects, and even more when occupancy sensors are utilized...see the next page for some actual completed project returns!

Lighting accounts for over 50% of all commercial building energy costs, and 67% in the retail sector.*

- **Improved Productivity.... by improving light level and color throughout lamp life!**

According to the Center for Building Performance at Carnegie Melon, research shows that good lighting design leads to **higher productivity (a median increase of 3.2%)**. Even a 1% improvement could be enough to pay all energy bills.*

- **Don't Get Left Behind...as rates continue to rise, the cost of waiting is considerable!**

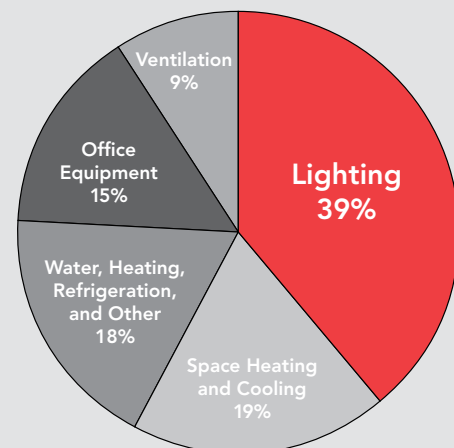
Cumulative benefits of the Dept. of Energy/EPA sponsored Energy Star programs resulted in energy savings of more than 200 billion kilowatt hours in 2009 alone.* Lighting is the single largest opportunity for energy savings in a building (see chart below).

See the "cost of waiting" to your bottom line on our actual projects on the next page!

Federal EAct deductions** and utility rebates are substantial now but subject to change in future years

Lighting uses 39% of the electricity in office buildings.

Source: *Department of Energy
CBECS 2003 data, released in 2008*



* NAED 2008 White Paper/Green Goes Mainstream, NAED 2008 Benefit From Green Electrical Costs Savings.

** EAct-Energy Policy Act of 2005 provides tax incentives for lighting system improvements. The deduction for warehousing, manufacturing or other highbay applications is \$0.60 per square foot when exceeding the ASHRAE/IESNA Standard 90.1-2001 and meeting lighting requirements.

Contact us at www.rayelectricsupply.com OR 1-586-739-9700 TO START SAVING TODAY!

What are the services Ray Electric Energy Solutions offers you?

- Review of existing lighting system and recommendation by our experienced staff of the best energy lighting solution that maximizes energy savings while improving light quality
- Provide a complete energy lighting audit and relighting recommendation with payback analysis including any EPAct savings or local utility rebates***
- Provide complete lighting design*
- Provide the best selection and latest technology of U.L. approved fluorescent and L.E.D. lamp and fixture technology, lighting controls, sensors and daylight harvesting
- Provide project coordination assistance with:
 - Installation with licensed electrical contractors
 - Identifying potential local utility rebates and EPact deductions
 - Financing*
 - Recycling*
- Provide industry leadership and expertise...
 - We are committed to energy savings in all of our own facilities
 - We are a leader in lighting in Southeast Michigan since 1939...just ask our thousands of satisfied customers!

“The proposal reduced the amount of fixtures by more than 50%. The results were incredible! The lighting is much brighter and the installation was done very professionally with minimal disruptions to our business.”

CEO, Power Equipment Distributors

“I was very skeptical about how it would turn out. But after only one month, I am amazed at the difference in the amount of light we have in the shop and we can already see the energy savings. That really shocked me! I regret not doing this sooner!”

President, Industrial Metal Coating

Actual Project Results

Actual Project #1: Industrial High Bay Relighting

Scope of Work: Relight 400w Metal Halide Lighting with Energy Efficient Fluorescent T5 Hi-Bay Lighting

Operational Dollar Savings/Year:	\$29,418
Return On Investment:	1.75 years
Kilowatt Hour Reduction:	412,302
Color Rendition Improvement:	42%
Light Level Increase:	88%
Cost of Waiting:	\$2,451/month



Before: HID Metal Halide Hi-bay Lighting

After: Energy Efficient Fluorescent Hi-bay Lighting

Actual Project #2: Warehouse Low Bay Retrofit

Scope of Work: Relight 8' 2 Lamp Standard Fluorescent Strips with 4' 4 Lamp T8 Energy Efficient Linear Fluorescents Retrofit Lighting w/Occupancy Sensors

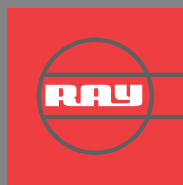
Operational Dollar Savings/Year:	\$11,739
Return On Investment:	1.5 years
Kilowatt Hour Reduction:	164,531
Color Rendition Improvement:	12%
Light Level Increase:	15%
Cost of Waiting:	\$978/month



Before: Standard Fluorescent Strip Lighting

After: Energy Efficient Linear Fluorescent Retrofit Lighting

*Upon Request ***If applicable



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