

# Look Up!

## Your Lights Could Save You Money!

The typical office, retail space or small grocery relies on magnetic ballasts and T-12 fluorescent bulbs. Significant savings can be achieved by replacing this equipment with electronic ballasts and T-8 fluorescent bulbs.

Here's an example of savings using a typical commercial 4 ft. 4 bulb fixture. The bulbs burn for 10 hours, 365 days a year:



### SAVINGS COMPARISON

#### Typical T-12 Fixture

versus

#### Energy Efficient T-8 Fixture

25 fixtures  
(4 bulbs per fixture  
for total 100 bulbs)

x 0.130 kW per fixture  
x 3,650 hours fixtures are  
on per year

= 11,862.50 kWh used annually  
x .085 \$ cost per kWh

= \$1,008.31 annual cost of electricity  
for 25 fixtures

25 fixtures  
(4 bulbs per fixture  
for total 100 bulbs)

x 0.095 kW per fixture  
x 3,650 hours fixtures are  
on per year

= 8,668.75 kWh used annually  
x .085 \$ cost per kWh

= \$736.84 annual cost of electricity  
for 25 fixtures

**\$271.47 in annual savings per 25 fixtures!**  
**or \$10.86 in annual savings per fixture!**

*As electric rates continue to climb, the savings will be even greater!*

Ask about our  
energy micro-loans.



MACED can analyze lighting costs and potential savings. Contact Josh Bills at 859-986-2373 or [jbills@maced.org](mailto:jbills@maced.org).



 **Energy Efficient**  
**ENTERPRISES**  
[www.maced.org](http://www.maced.org)

## Energy Efficiency Tax Credits (Corporate)

<b>Incentive Type:</b>	Corporate Tax Credit
<b>Eligible Efficiency Technologies:</b>	Water Heaters, Lighting, Lighting Controls/Sensors, Boilers, Heat pumps, Air conditioners, Energy Star Homes, Energy Star Manufactured Homes
<b>Applicable Sectors:</b>	Commercial, Industrial, Construction, Installer/Contractor, Agricultural
<b>Amount:</b>	30% of installed cost
<b>Maximum Incentive:</b>	Energy Efficient Lighting System: \$500 Energy Efficient HVAC System: \$500 Energy Star Manufactured Home sold by the taxpayer: \$400
<b>Carryover Provisions:</b>	For all measures excluding the Energy Star homes tax credits, the tax credit may be carried forward for one year.
<b>Authority 1:</b>	KRS § 141.435 et seq.
<b>Effective Date:</b>	1/1/2009
<b>Expiration Date:</b>	12/31/2015

### Summary:

In April 2008, Kentucky enacted legislation (HB 2) establishing a 30% state income tax credit for taxpayers that install certain energy efficiency measures on commercial property. The 30% credit (up to \$500) is allowable against individual, corporate income or limited liability income taxes for any of the following equipment:

- Energy-Efficient Heating Ventilating and Air Conditioning (HVAC) or Hot Water System
- Interior Lighting Systems

The total tax credit may not exceed \$1,000 for any combination of HVAC, hot water, and lighting systems. There is also a \$400 credit allowed for taxpayers who sell an Energy Star manufactured home.

The legislation defines an energy efficient lighting system as an interior lighting system that meets the maximum reduction in lighting power density requirements for the federal energy efficient commercial building deduction under 26 U.S.C. sec. 179D, as in effect December 31, 2007; and it defines an energy-efficient heating, cooling, ventilation, or hot water system as a system that meets the requirements for the federal energy-efficient commercial building deduction under 26 U.S.C. sec. 179D, as in effect December 31, 2007.

Kentucky also allows 30% tax credit for energy efficiency improvements made to the taxpayer's principal residence. Eligible energy efficiency measures include:

- Qualified Energy Property Installation:\* Water Heaters, Heat Pumps, Central Air Conditioners, Advanced Main Air Circulating Fans
- Weatherization Measures: Windows and Storm Doors, Added Insulation

The tax credit may not exceed \$100 for insulation, and \$250 for qualified energy property, windows and storm doors. The total tax credit may not exceed \$500 for any combination of qualified energy property and weatherization measures. There is also an \$800 tax credit for taxpayers who build a new Energy Star home for use as a principal residence, but this credit might not be permitted if the taxpayer claims the credit for energy efficiency measures.

These credits may be applied during taxable years 2009-2015.

\* "Qualified Energy Property" must meet the efficiency guidelines specified in the federal tax credit for residential energy property.

### Contact:

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