



ENERGY SMART

SAVING ENERGY IS SMART BUSINESS



Energy Efficiency Facts

- 30% of energy used in commercial, industrial, and institutional buildings is used inefficiently or unnecessarily
- \$20 billion would be saved if commercial, industrial, and institutional facilities improved the efficiency of their buildings by 10%
- \$30 or more in energy costs can be saved over the lifetime of one compact fluorescent bulb





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Energy Smart Mission

To help Minnesota businesses achieve cost savings through energy efficiency by connecting them to existing utility Conservation Improvement Programs.



Development of Program

- Help utilities meet conservation goals while helping businesses save money
- Program of Minnesota Waste Wise, an affiliate program of the Minnesota Chamber of Commerce
- Approved by the Minnesota Office of Energy Security as an Alternative Conservation Improvement Program (CIP) funded by four major investor-owned electric utilities





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Energy Efficiency: Conservation Improvement Programs (CIP)

- Mandated by Minnesota Statute 216B.241, revised by Minnesota Next Generation Energy Act of 2007
- 2010 annual energy savings goal for utility: 1.5%
- Goals: promote awareness, reduce utility bills for customers, generate innovations, provide upgrade incentives, promote resources



Change Is Easier Than You Think



Even if no capital money is available for equipment upgrades, your business can still save money through no-cost energy conservation strategies.

Energy Conservation: Money Saving Behavioral Changes

- Institute written policies
- Perform regular maintenance
- Set thermostats
- Use standby mode
- Set up employee incentives or competitions





Efficiency: Typical CIP Programs

Utility Program	Rebate
Lighting	<ul style="list-style-type: none">• \$ rebate per unit to replace T12 fluorescents with T8 fluorescents
Cooling	<ul style="list-style-type: none">• \$ rebate for PTAC units (hotel room air conditioners) rated at high efficiency
Motors	<ul style="list-style-type: none">• \$ rebate per horsepower if a motor is NEMA Premium rated (1 – 500 horsepower motors eligible)

* Talk to your own utility this afternoon about these or other specific programs that apply to your business.

Lighting Upgrades – Return on Investment



4-lamp Fixture: T8 Bulbs with Electronic Ballast

Watts per Fixture: 113

Energy Cost over One Year: \$29

4-lamp Fixture: T12 Bulbs with Magnetic Ballast

Watts per Fixture: 148

Energy Cost over One Year: \$38

Using one 4-lamp fixture with T12 bulbs wastes \$9 in energy costs per year.

** Statistics and dollar amounts approximate*

Assessing Energy Use

On-line energy assessments

On-site energy assessment

Monitor energy use

Energy Smart site visit



Success Story: Coastal Seafoods



- 3-4 weeks to retrofit lighting at both Saint Paul and Minneapolis stores
- With rebates from Xcel Energy, 1 ½ -2 ½ year payback on the upgrades
- After rebate, total capital cost: \$4000
- Approximate annual energy savings: \$1700



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Energy Smart Can Help Your Business



- Identify energy savings opportunities
- Evaluate upgrade options
- Find financial incentives
- Be recognized for energy efficiency successes



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Next Steps: Energy Smart Outreach

- Personalized assistance
- e-Newsletter
- Workshops
- Website



<http://www.mnenergysmart.com>



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Questions?





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Contact Us!



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