



Efficiency: The Ultimate Renewable Resource



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No Cost, Low Cost, and Energy Control Measures

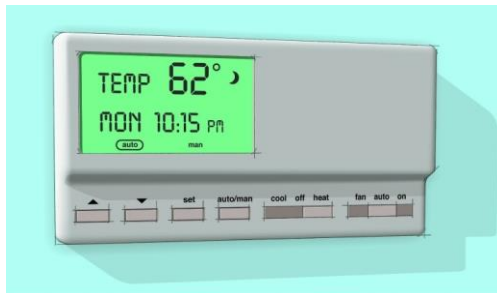
- Lighting
- Heating / Cooling
- Appliances / Kitchen Upgrades / Maintenance
- Building Improvements
- Food Delivery
- Office
- Vehicle Upgrades



No Cost

Easy to implement ideas that won't cost anything

- Turn off lights when the room is not in use or when natural light is sufficient. This can reduce lighting expenses by 10 to 40 percent
- Use the sleep settings on all of your computers, printers, copiers, fax machines, scanners, etc. so they enter a low-powered sleep mode when not in use
- Adjust building thermostats in the evenings/weekends when the building isn't occupied



No Cost

Easy to implement ideas that won't cost anything

- Clean the evaporator and condenser coils on all refrigerators, freezers, heat pumps, air-conditioners, or chillers. Keeping coils and the motors clean saves energy
- Optimize your delivery routes on a regular basis. Use different mapping programs to determine the best routes for your drivers
- Send MOW pre-plates chilled or frozen. Eliminates the need to use convection ovens to warm the meals prior to delivery



Low Cost

Easy to implement ideas that won't cost much.

- Install sensors that turn off lights when no one is there and back on when people return. These are easy to install and can reduce energy usage from existing lighting by as much as 40%
- Replace old fluorescent and incandescent lights with T-8 or T-5 fixtures, compact fluorescents (CFLs) or LEDs. This can save up to 75% from traditional lighting



Low Cost

Easy to implement ideas that won't cost much.

- Install 1.5gpm aerators on your pre-rinse sprayer and 0.5gpm faucet aerators on all hand washing sinks. This can save up to \$110 a year for each aerator installed
- Have commercial and walk-in refrigerators and freezers serviced each year. This includes a deep cleaning, refrigerant refill, lubrication of moving parts, and adjustment of belts. This will help ensure efficient operation, longer equipment life, and lower maintenance costs



\$150.00

The cost of typical maintenance (yearly) to an under-counter, reach-in cooler.

\$1,200.00

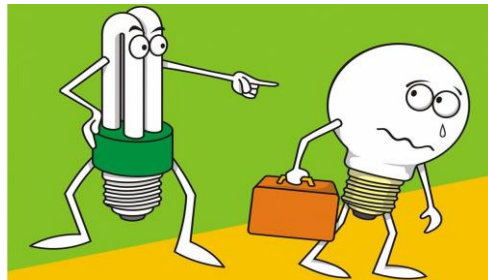
The cost of a new compressor for the same reach-in cooler after the condenser remained plugged.



Energy Control Measures

Here are some other energy efficiency ideas

- Create a Strategic Energy Management Plan. Make a list of all of the potential improvements and costs associated. Begin making small improvements and make a plan for larger expenditures
- Retrofit existing refrigerators, freezers with variable speed fan motors and controls. This could save as much as 60% in energy savings on each unit these are installed on



Energy Control Measures

Here are some other energy efficiency ideas

- Purchase energy efficient refrigerators and freezers. This can save as much as \$140/year for refrigerators, \$100 for freezers; \$280 for hot food holding cabinets, and steam cookers can save between \$450 - \$820 per year depending on if it's gas or electric
- Install window films and add insulation or reflective roof coating to reduce energy consumption and heating and cooling costs



Return on Investment

Is it worth it?

- On average, a business can reduce its annual energy costs by 20% by improving energy efficiency and energy management
- Conduct a basic energy audit, most utility companies offer this service for free. Work with an energy consultant to determine what is the best course of action for your space
- Determine existing lifespan on equipment. Determine if it would be cheaper to buy new than repair. Replace older equipment with energy efficient equipment when the time comes to purchase new
- Don't leave money on the table!!! There are a number of local, State and Federal grants, rebates and other incentive programs offered in every State
- Consider the costs of inaction. Simple changes can make a big difference to your overall bottom line

Resources

Incentives, Rebates, ROI Calculators

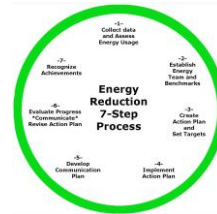
- Database of State Incentives for Renewables and Efficiency (DSIRE) is the largest and most comprehensive source of information on incentives, loan programs and rebates available: <http://www.dsireusa.org/>
- Energy Star – This website is full of tools and resources that can help you determine cost-effective approaches to managing energy use in your buildings. Their Cash Flow Opportunity Calculator quantifies costs to help inform strategic decisions about energy efficiency projects: <https://www.energystar.gov/>



Resources

Incentives, Rebates, ROI Calculators

- Energy and Cost-Savings Calculators - Estimate energy and cost savings for energy and water-efficient products using these interactive calculators: <https://www.energy.gov/eere/femp/energy-and-cost-savings-calculators-energy-efficient-products>
- Connect with your local utility providers to conduct an energy assessment. They're fast, easy and usually won't cost you anything. You receive a report about what is using the most energy and provide you personalized, suggested improvements that can help save energy and costs



QUESTIONS?

