

Energy Conservation

Renewable Resources

Energy Efficiency

Bright Futures

Logan City, United

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Kill-A-Watt News

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Plant Trees For Energy Conservation!

One of the best tools for reducing summer cooling costs is a tree. According to the U.S. Department of Energy (DOE), carefully positioned trees can save 15% to 25% of a home's cooling costs. It is estimated that three prop-

erly placed trees will save an average household between \$100 and \$250 annually. This is because evapotranspiration (the process by which trees release water vapor) cools the air and trees shade the home, reducing solar gain. In fact, the air temperature sur-

rounding trees can be as much as 9°F cooler than areas where there are no trees.



Deciduous, or leaf shedding trees, are the best type of tree for re-

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'Cool Off' Your Summer Electric Bill

In Logan, we use more electricity during the summer months than any other time of year. In fact, our demand is about 25% greater during the summer months. This power costs more because we have to purchase "peaking" power at double the price of base load power. Follow these tips to help you "cool off" your summer electric bill.

1) Keep shrubs trimmed away from air conditioning units. It blocks vents and reduces the unit's ability to exhaust warm air.



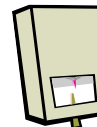
2) Too hot? Use fans to improve air circulation. Air movement will make you feel 5 degrees cooler than air temperature!

3) Make sure furnace and air conditioner filters are cleaned or replaced as necessary. Replacing your AC filter monthly will save you on cooling costs!



4) Set your air conditioning thermostat to 78 degrees or warmer.

Each degree above 72 degrees will **save you 3% on your cooling costs.** Set it higher when leaving for 3+ hours.



5) Draperies or blinds should be **closed on windows facing the sun** when it is hot outdoors and windows and doors should be **shut tight** when your air conditioner is running. But, turn off the air conditioner in the evenings, open windows and **take advantage of cool night air.**



6) Use appliances, such as dishwashers, ovens, & washing machines after 8 pm and before 10 am, if possible. Also, try cooking outside on a BBQ instead of using the oven.



'Trees'

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ducing solar gain because they allow for winter sun to warm the home. Vines and shrubs can also be effective for keeping your home cool because they shade walls and windows. If you have central air conditioning, shading your cooling tower with shrubs or a small tree can increase your cooling efficiency by around 3%. However, make sure you aren't blocking airflow around your cooling tower. If you are looking to decrease your

energy usage in the winter, look for evergreen trees to provide a wind block.

Homeowner's should do some research on planting for energy conservation and tree species **BEFORE** planting. Consult a local nursery, the USU forestry extension office, and look at the websites below for more information.

For More Information:

<http://www.energysavers.gov>
<http://extension.usu.edu/forestry>

Logan City's City Forrester, Joe Archer, recommends the following trees for Logan:

Short Evergreen Trees

Short Conifer
 Fat Albert Spruce

Tall Evergreen Trees

Tall Conifer
 Ponderosa Pine

Short Deciduous Tree

Spring Snow Crabapple

Tall Deciduous Tree

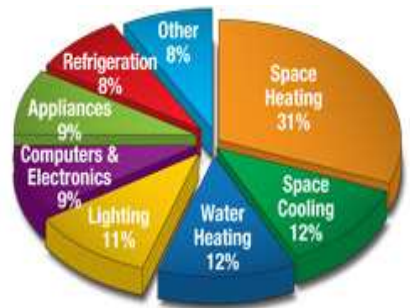
Imperial Honey Locust

Unique Deciduous Tree

London Plane Tree

Kill-A-Watt News

How We Use Energy In Our Homes...



Heating accounts for the biggest chunk of a typical utility bill. Source: 2007 Buildings Energy Data Book, Table 4.2.1, 2005 energy cost data.

Phantom Loads

Is Your Business Throwing Money Away On Outdated Lighting?

Install Energy Efficient Lighting.
 Save Money.
 Get an Incentive.

With Logan City's New Commercial Lighting Incentive Program.

Call 716-9792
 or visit our website for more information
<http://conservation.loganutah.org>

Look around your home. How many electronic items are plugged into each outlet—one, two, maybe five or six? Many electronics use energy when they are plugged in even if they are in the **OFF** position. Cleverly, the electricity that these electronics use has been termed a phantom load.

The following are examples of annual costs for phantom loads: a laptop charger (unattached to the laptop), **\$4.38**; VCRs, **\$4.63**; Micro-

wave ovens, **\$3.05**; Digital cable box with DVR, **\$43.01**; and LCD TVs **\$2.97**. Even more costly are the electronics that are left on when not in use: Desktop computer, **\$71.00**; VCR, **\$7.69**; and a CD player, **\$8.53**.

How much are you spending on phantom loads in your home? You can see a more complete list of examples of phantom load costs on our website <http://conservation.loganutah.org> under the link "energy conservation tips".

To prevent phantom loads in your home, make sure you are unplugging and turning off electronics when they are not in use. Power strips can make it easy to unplug several items with the flip of a switch. Even easier are mechanical devices that help you "unplug" your phantom loads with technology or remote controls. A sampling of these items is listed on our website.

Be Energy Wise
 For A Brighter Logan!

new! Commercial/Industrial Lighting Retrofit Incentive Program

Commercial Corner Lighting Retrofit Incentives

As of July 1, 2009, Logan City launched a commercial/industrial lighting incentive program for Logan City Light & Power Customers on rate schedules #6 or #7.

This program gives incentives to business owners who perform a lighting retrofit in their facility.

Facilities with outdated T12 florescent lights, magnetic ballasts, and incandescent lighting can save energy and money with new lighting. With lighting technology of today, you can often increase light levels with fewer lamps and ballasts in order to create a brighter and more efficient work environment. Lighting retrofits can save up to 60% on energy and lighting costs and have a relatively short simple payback time.

In addition to the incentive,

which helps to decrease the simple payback for the project, Logan City's commercial lighting incentive program is designed to ensure that you are getting maximum energy efficiency for your budgetary and lighting needs. The process begins with an energy audit from a qualified lighting specialist. A Logan City representative will then perform inspections to make sure that your business is getting the maximum benefit from your retrofit. When the installation is complete, Logan

City will schedule another inspection before issuing the incentive as a bill credit on your Logan City utility bill. Customers will also be issued a certificate of appreciation from Logan City.

To learn more about Logan City's commercial/industrial lighting incentive program, please see our website at <http://conservation.loganutah.org> or call Emily at 716-9792. Funding for this program is limited so it is important to act quickly.