

CLATSKANIE PEOPLE'S UTILITY DISTRICT



ENERGY CONSERVATION STARTS
in your home

Contact Clatskanie PUD for Copies.

© 2011 Goldstreet Design Agency, Inc. All Rights Reserved.



You can cut
your energy
bill by
10-15%

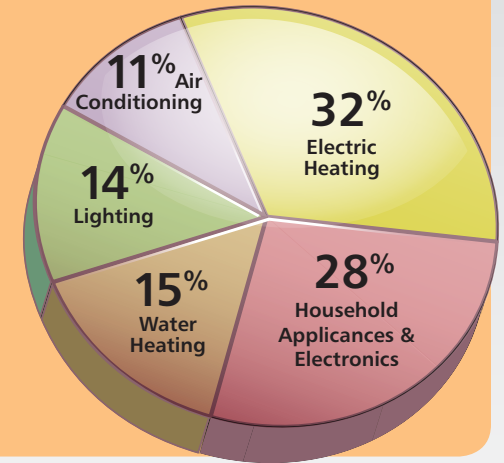
Your home uses energy every day, all day long.

We depend on energy to heat and cool our homes, to provide light when we need it, and to run all of our appliances and home electronics.

There are many ways you can reduce electricity use in your home and help reduce your energy bills. We encourage you to take a quick inventory of your energy use so you can see how much you use and where you can save. This booklet is full of energy savings ideas.

Also, Clatskanie PUD has several kilowatt metering devices available for customers to borrow for FREE, who are interested in determining how much energy certain appliances or electronic equipment uses. Call the PUD to inquire about these devices.

This is what your electric bill is paying for, based on national averages.



Source: Energy Information Administration
Individual usage may vary.

Energy-Saving Tips that will save you money

There are many different ways to save money on electricity. Let's get started with what's highlighted in the chart above.

Heating

We're just getting warmed up!

- 1. Say "No" to crack(s).**
Examine your doorways and windows for cracks and drafts around the framing, jambs and sills. If needed, replace caulking, install weatherstripping, door sweeps, and better thresh-holds in exterior doorways.
- 2. Lower the thermostat.**
Set your thermostat as low as is comfortable in the winter and dress in layers if needed.
- 3. Close the blinds and drapes at night** and during cloudy winter days. Open the drapes on south-facing windows on sunny winter days.
- 4. When your fireplace is not in use, close the damper.**
An open damper is similar to having a 48 inch hole in your house.



Contact Clatskanie PUD for Copies.

© 2011 Goldstreet Design Agency, Inc. All Rights Reserved.



Air-Conditioning

How to chill out, without shelling out for a large electric bill.

1. Have it made in the shade.

Plant trees and use awnings and overhangs to provide shade for your home's exterior, especially windows. It's easier to cool a shaded house.

2. Turn off the fan when you leave.

If you're leaving the room for more than five minutes, turn off the fan. It's cooling effect is only felt by your body.

3. Your A/C unit doesn't need a suntan.

Keep your outdoor compressor unit as cool as can be. Install your A/C unit out of direct sunlight, if possible.

4. During the summertime, close the drapes on south-facing windows.

You don't need solar heating when you're already paying for air-conditioning.

Water Heater

Seven cool ways to stay out of hot water:

1. Set your water heater's thermostat to the correct level--between 105-120 (°F).

If the thermostat is set higher than that, you're wasting money, and you might even scald somebody, accidentally.

2. Buy your water heater a Snuggly™.

If your hot-water heater didn't come insulated from the factory, install a water heater "blanket."

3. Don't be a Drip

Get your leaky faucets fixed.



4. Use less hot water.

Keep your shower time to five minutes or less. Install low-flow shower heads and faucets (or install faucet aerators), if your home doesn't already have them.

5. Wash most of your clothes in cold water.

If you need to wash some things in hot water, wait until you have a full load before doing a hot-water wash.

6. Run your dishwasher only when full.

Washing a half-empty load of dishes is throwing money down the drain.

7. Drain your hot-water heater once a year.

Sediment build-up inside the water heater will reduce efficiency.



Out with the
old.

In with the
new.

Lighting

Stop living in the past.
Embrace the future!

- 1. Replace incandescent light bulbs with CFLs or LEDs**
Make sure you purchase Energy Star qualified CFLs.
- 2. Will the last one to leave please turn out the lights?**
Turn off the light when you leave the room.
- 3. Let the sun shine in**
Why pay for lights when you can use the sun? Open blinds and curtains during the day to take advantage of natural light.

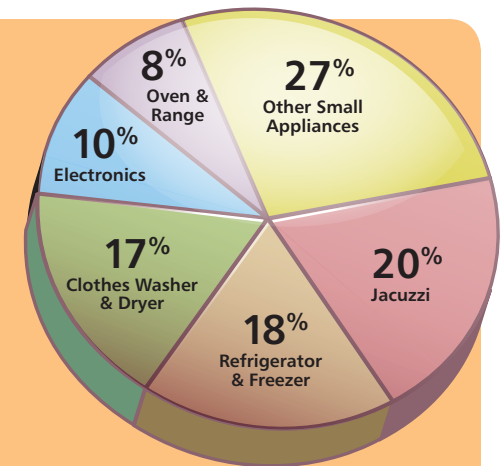
Turn off the
lights
when not in use



Household Appliances

Let's take a closer look at ways we can cut the cost of appliances and electronics.

Source: Energy Information Administration
Individual usage may vary.



Refrigerator & Freezer

- 1. Set your refrigerator temperature between 37-40 (°F).**
- 2. Keep it clean.**
Vacuum or dust accessible coils behind and underneath your refrigerator and freezer.
- 3. Try to keep your refrigerator well stocked.**
It takes more energy to cool an empty fridge than a full one.
- 4. Keep it maintained.**
Check the door seals. If any are cracked or cold air is leaking out, the seal should be replaced. Test the seal by closing the door on a sheet of paper. If you can pull the paper out easily, its time to replace the seal.
- 5. Keep it cool.**
Refrigerators and freezers should be positioned in cool, dry and well ventilated places. If placed in warm environments the refrigerator and/or freezer will use more energy to keep the contents cold. Avoid installing these appliances in areas with lots of direct sunlight or right next to ovens, stoves, water heaters and clothes dryers.



Washer & Dryer

Clean your clothes without losing your shirt.

- 1. Wash in cold water, whenever possible.**
- 2. Don't over dry your clothes.**
- 3. Wash and dry full loads.** If you are washing a small load, use the appropriate water-level setting.
- 4. Clean out the dryer's lint screen after every use.**
It's true: Your dryer uses less energy when the lint screen is empty.



Oven & Range

Seven money-saving tips that aren't half-baked.

- 1. Don't preheat the oven if you don't have to.**
- 2. Thaw frozen foods first, then cook.**
- 3. Keep the oven door shut.**
Every time you open the oven door when it's in use, the temperature drops 25 (°F). Which means you have to pay a little more money to heat it back up again.
- 5. Keep your oven clean.**
Grease and baked on food residue will reduce your oven's efficiency, waste energy and cost you money.
- 6. Heat until boiling and not a minute longer.**
- 7. Use a microwave or toaster oven when heating smaller items.**
Your microwave uses 40% less energy than your regular oven.

4. Cover pots and pans while cooking.

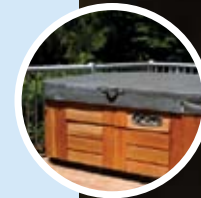
Trapped steam helps food cook faster.



Pool & Jacuzzi Spa

Enjoy the good life without getting soaked.

- 1. Turn off the bubbles.**
Remember: bubbles cost extra.
- 2. Keep your spa at the right temperature--about 102 (°F).**
Higher than that can be a safety hazard and will also cost more money.
- 3. Invest in an insulated cover for your pool and/or outdoor spa.**
It keeps the heat in and unwanted things out.
- 4. Timing is everything.**
A timer gives you day-to-day, automatic control of your spa filter and heater, which will reduce your operating costs.



Turn off the
Bubbles
and invest in a
**Insulated
Cover**

Contact Clatskanie PUD for Copies.

© 2011 Goldstreet Design Agency, Inc. All Rights Reserved.

Small Appliances & Electronics

Good savings comes with easy habits.

1. Off doesn't always mean off.

Beware of phantom power users. Some devices consume up to 75% of their energy while they are turned off and remain plugged in. Take inventory of appliances and electronics you can completely power down (unplug) and those you will allow to operate: such as TV's, DVD players, computers, printers, fax machines, game consoles, etc., with clocks, timers, or instant-on features.



2. Look for the ENERGY STAR® rating when shopping for appliances and electronics.

3. Stop charging.

When you remove your Portable Electronic Device pull the plug on the CHARGER.

4. Manage computer power settings.

Enable the power management or low power mode functions on computers.



5. Make it automatic.

Screen savers do not save energy. Use the sleep mode function or turn the monitor and computer off.



**Pull the plug
or turn them off**



Quick & Easy Checklist

OK, Class, let's review:

Heating

- Seal cracks and drafts around doorways & windows.
- Lower the thermostat and dress in layers.
- Close blinds & drapes at night.
- Close the fireplace damper when not in use.
- Open drapes on south-facing windows on sunny winter days.

Air-Conditioning

- Shade your house and windows from summer sun with trees & awnings.
- Turn off fans when leaving the room.
- Install outdoor A/C units out of direct sunlight.
- Close drapes on south-facing windows during summer months.

Water Heater

- Set water heater to 105-120 (°F).
- Cover the hot-water heater with an insulator blanket if insulation isn't factory installed.
- Fix leaky faucets.
- Take shorter showers.
- Install low-flow shower heads & faucets.
- Wash most things in cold water.
- Run the dishwasher and clothes washer only with full loads.
- Drain the water heater once a year to prevent sediment build-up.

Lighting

- Switch to CFL or LED bulbs.
- Turn lights off when you leave the room.
- Open blinds and curtains during the day to take advantage of natural light.

Refrigerator & Freezer

- Set refrigerator temp to 37-40 (°F).
- Clean refrigerator coils.
- Keep refrigerator full.
- Position refrigerator and freezer away from other heat producing appliances and direct sunlight.

Washer & Dryer

- Wash most things in cold water.
- Use hot-water for full loads only.
- Keep dryer's lint screen clean.

Oven & Range

- Preheat oven only when necessary.
- Thaw frozen foods before cooking.
- Keep oven door shut.
- Keep oven clean.
- Once boiling, turn down the heat.
- Cover pots & pans while cooking.
- Use microwave or toaster oven whenever possible.

Pool & Jacuzzi Spa

- Turn off the bubbles.
- Keep spa at about 102 (°F).
- Cover pool & spa with insulated covers.
- Use a timer to control your spa filter and heater.
- Protect your pool and spa from the wind.

Small Appliances & Electronics

- Turn off or unplug when not in use.
- Use the sleep mode function or turn the monitor off.
- Unplug battery chargers when the batteries are fully charged.



When shopping for appliances and electronics look for the Energy Star logo.

If you have questions about any of these checklist items please call us at (503)728-2163.



Is your home in need of an energy audit?

Clatskanie PUD provides energy audits to all residential customers.

In addition, rebates are available to residential customers who participate in Clatskanie PUD's conservation program.

For more information please call 503-728-2163.



495 E. Columbia River Hwy, PO Box 216, Clatskanie, OR 97016

Ph: (503) 728-2163 Fax: (503) 728-2812

www.clatskaniepud.com

Contact Clatskanie PUD for Copies.

© 2011 Goldstreet Design Agency, Inc. All Rights Reserved.