

Easy Being Green

Green Ideas for Central Lincoln People's Utility District Customers

got wind?

We have wind power—and you can buy more—from us



Central Lincoln buys all of the electricity we sell to you from the Bonneville Power Administration (BPA), a federal agency headquartered in Portland. The BPA sells electricity to the Pacific Northwest's public utilities such as Central Lincoln, and investor-owned utilities, as well as to some large industries.

More and more of BPA's power is coming from wind power from turbines located along the Oregon-Washington border area, and thus you are using wind power.



The electricity we provide to you comes from a mix of sources, and is 93 % greenhouse gas-free—one of the highest rates of clean energy in the United States.

The BPA provides about half the electricity used in the Northwest and operates over three-fourths of the region's high-voltage transmission.

While the BPA is part of the U.S. Dept. of Energy, it isn't tax-supported. The BPA covers all of its costs through sales of electricity and transmission.

The BPA sells hydropower generated from dams on the Columbia and Snake rivers, from the Columbia Generating Station, and from wind power.

Some Central Lincoln customers want all of their electricity to come from wind power. We can sell you more wind power, but unfortunately, wind power costs more to produce than hydropower, and the BPA charges more for it. So we have to charge more for wind power as well.

Wind power from Central Lincoln is an extra \$5 per 250 kilowatt hours. "Extra" means "in addition to" our current

6.14 cents a kilowatt hour. So buying wind power from Central Lincoln will cost you 8.14 cents a kilowatt hour.

So, if you'd like to buy more wind power than what you currently receive as part of our power mix, look at your Central Lincoln bill to see how many "kWh" (kilowatt hours) you use, divide that number by 250, and you'll know how many increments to purchase at \$5 each.

You may order wind power from Central Lincoln by filling out the form on the next page, or by calling your closest Central Lincoln office--the numbers for each of our six offices is on the back of your bill.

You can also send us an email to order wind power to: webmaster@clpud.org

Please include your customer number (which is highlighted in blue at the top of your bill) and let the webmaster know which community you live in.

Credit for Clunkers:

Getting rid of “Energy Hog” refrigerators and freezers



If you have a really old refrigerator or freezer at home that still works, it may be using nearly two and a half times as much electricity as one made in 1992- or more recently!

Newer technologies and better insulation are key reasons the freezer or refrigerator you buy today can help save you money on your electricity bill. As an example, **refrigerators and freezers made before 1978 cost at least \$105.84 a year** to operate. Those made since 1992 or newer cost an estimated **\$43.08 annually** to run in Central Lincoln’s service area.

As power rates are expected to increase in coming years, we at Central Lincoln want to help you use less electricity and save money. Our **“Credit for Clunkers”** program aims to do exactly that.



Here’s how it works:

- If you have a working refrigerator or freezer in your home that is not an “Energy Star” rated appliance, and you want to get rid of it, this program is for you. (See www.energystar.gov for Energy Star details.) The “energy hog” you want taken away must be 10 cubic feet or larger, which generally means appliances larger than “dorm” fridges.
- Call our friendly authorized dispatchers at **1-866-265-7231**. The waste haulers in your area will pick it up from you at no charge to you within two weeks, and recycle materials from the old appliance.

THEN...

You will get a credit of \$30 on your Central Lincoln bill for the qualifying freezer or refrigerator that you have taken away! A credit for your clunker.

And you may qualify for more bill credits from Central Lincoln...

If you choose to buy a new “Energy Star” refrigerator, or freezer or dishwasher, or clothes washer to replace any “energy hogs” left in your home, you may qualify for more credits on your electricity bill. See our website at www.clpud.org and click on “Rebate Information” under “Energy Efficiency” for more details.

AND, if you buy a qualifying refrigerator or freezer, you may qualify for a State of Oregon

tax credit, too!

If you buy a new Energy Star appliance such as a refrigerator, clothes washer or dishwasher, you may qualify for **State of Oregon tax credits**. See: www.oregon.gov/ENERGY/CONS/RES/tax/appliances.shtml#App for more information. Saving electricity is good for your finances and good for the environment.

Please note: any programs listed in this publication are subject to change. Please contact our Energy Services folks before you buy or install at 1-888-883-9879.



YES! I want MORE wind power!

Customer Name _____

Customer Number _____

I want to order _____ 250 kWh increments of wind power a month at \$5 per increment. (\$5 for each increment of 250 kWh for a total of 8.14 cents a kWh.) (Complete, cut out and return with your monthly payment.) Thank you.

“Simple Ways to Lower Your Electricity Use” Checklist



93% of the electricity we sell you is greenhouse gas-free, and that’s good for the planet. But saving electricity is always a good thing--for lowering your electricity bills and doing the right thing for the environment.

As Central Lincoln is publicly-owned and not for profit, you will **not** find us pushing you to use more kilowatts. We are committed to helping you conserve. At 6.14 cents a kilowatt hour, our rates are still among the lowest in the country, but those kilowatt hours can add up.

A checklist of easy things you can do to help lower your electricity bill and \$ave money:

Heating

- Set the thermostat no higher than **68 degrees** when you are home.
- If you are going to be gone more than an hour, or are heading to bed, **lower the thermostat to 55**. For every one degree you lower your thermostat, you’ll save about 3% on heating costs.
- Install “heat anticipating” clock thermostats**--they’ll turn down your heat at night and turn it up in the morning so your house will be warmed when you wake up.
- If you have a **furnace or forced-air heating**, make sure to clean or replace air filters every three months during winter and spring. (Many forced-air systems have two or more filters; you may need to check.) Check for loose ductwork, and consider having ducts tested and sealed.
- Baseboard heaters?** Carefully remove covers, and vacuum dust and dirt from the fins behind the covers. Make sure to securely replace the covers.
- (fan-forced) **Wall heaters?** Remove grill, wash it in hot soapy water, then dry. Carefully vacuum off only the blower wheel. Use a blow dryer on low or medium to gently blow dust off the element.
- Close **fireplace damper** or glass doors when not in use (but make certain fire is completely out!)

Windows

- Open curtains on south-facing windows** during daylight hours.
- Close curtains, drapes, and shades at sunset **to help keep in heat**.
- Check **weather-stripping** on windows and doors.

Water

- Set your water heater’s thermostat **no higher than 120 degrees**. (Turn off the electricity to the heater at the breaker, remove top and bottom cover plates on

the side of the heater, adjust both thermostats to 120, replace covers, then turn power back on.)

- When leaving for an extended period of time, turn off your water heater at the electrical panel.
- Shower** rather than soak--showers use less water than baths.
- When doing **laundry**, wash with warm or cold water instead of hot. Use cold water for rinse cycles.
- Low-flow shower heads **use less than half the water** of ordinary ones.

And...

- Check electrical outlets** on the inside of all exterior walls. If they don’t have insulating gaskets behind every outlet place, put one in (available at home improvement or hardware stores)
- Make certain to **clean lint filters** every time you dry your laundry.

clpud.org
your place to find rebates
for energy-efficient
appliance purchases

If you are thinking about buying an energy-efficient:

- refrigerator
- freezer
- dishwasher
- clothes washer
- heat pump

or...

- lighting
- windows or insulation
- a new Energy Star manufactured home
- weatherizing your manufactured home

We have rebate programs for which you may qualify. Check our website, clpud.org, and click on “Rebate Information” under “Energy Efficiency” for the details. Please don’t hesitate to call our Energy Services Group folks at 1-888-883-9879 with any questions--or before buying new lighting, windows or insulation or weatherizing your manufactured home, or buying a new manufactured home.

What Does It Cost to Run a...? The numbers.

We are often asked how much it costs to run various appliances. There are many differences due to brand, style, age, and condition, but here are some “ballpark” averages.

(Costs are based on our current residential rates, and hours of use are based on having three people living in one’s home.)

APPLIANCE	WATTS	HRS/MO.	COST/HR.	COST/MO.
Air Conditioner (large window unit)	1,440	480	.09	\$42.43
Blender	350	2	2.1¢	\$ 0.04
Clock Radio	4	732	.0002¢	\$ 0.18
Coffee Maker	1,000	10	6.1¢	\$.61
Computer, Desktop	300	30	1.8¢	\$.55
Computer Printer	50	7	0.3¢	\$.02
Dehumidifier	250	126	1.5¢	\$ 1.93
Dishwasher (One load per day)	1,200	30	7.4¢	\$ 2.21
Dryer, Clothes	4,500	30	27.6¢	\$ 8.29
Electric Blanket	150	120	0.9¢	\$ 1.11
Food Dehydrator	600	4	3.7¢	\$.15
Food Processor	375	10	2.3¢	\$.23
Freezer	750	200	4.6¢	\$ 9.21
Furnace (fan only)	200	200	1.2¢	\$ 2.45
Garbage Disposal	445	2.5	2.7¢	\$.07
Hair Dryer	1,000	6	6.1¢	\$.37
Heater, Portable	1,250	30	7.7¢	\$ 2.30
Heater, Baseboard	1,500	180	9.2 ¢	\$16.58
Home Video Game (w/TV)	160	60	1.0¢	\$.59
Hot Tub (Heater)	1,200	200	7.4¢	\$14.74
Lawn Mower, Electric	1,200	4	7.4¢	\$.29
Light Bulb, 100-watt incandescent	100	180	0.6¢	\$ 1.10
Light, Compact Fluorescent (CFL)	35	180	0.2¢	\$.39
Lights, Christmas (64 lights)	480	50	2.9¢	\$ 1.47
Microwave Oven	700	15	4.3¢	\$.64
Oven	2,000	20	12.2¢	\$ 2.46
Range, Small Burner	1,250	20	7.7¢	\$ 1.54
Range, Large Burner	2,100	20	12.9¢	\$ 2.58
Refrigerator <i>Pre-1978</i>	479	300	2.9¢	\$ 8.82
<i>1978-1989</i>	319	300	2.0¢	\$ 5.88
<i>1989-1992</i>	256	300	1.6¢	\$ 4.72
<i>1992 or newer</i>	195	300	1.2¢	\$ 3.59
Sewing Machine	100	10	0.6¢	\$.06
Slow Cooker	100	32	0.6¢	\$.20
Stereo System	500	150	3.0¢	\$ 4.61
TV, Color	150	150	0.9¢	\$ 1.38
TV, Black & White	100	150	0.6¢	\$.92
TV, LCD	260	150	1.5¢	\$ 2.40
TV, Plasma (55”-56”)	340	150	2.1¢	\$ 3.13
Toaster	1,000	5	6.1¢	\$.31
Toaster Oven	1,300	8	8.0¢	\$.64
Vacuum Cleaner	420	10	2.6¢	\$.26
Ventilation Fan	250	30	1.5¢	\$.46
Video Game (Nintendo Wii)	18	50	1.1¢	\$.55
Washing Machine	500	30	3.0¢	\$.92
Washing Machine, Horiz. Axis	250	30	1.5¢	\$.46
Water Bed Heater	400	350	2.5¢	\$ 8.60
Water Heater, 52-gallon	4,500	135	28.6¢	\$37.30