

Appliance Cost Fact Sheet

Use this fact sheet to find out the **approximate** cost to run appliances in your home and office. These examples are based on usage by a family of four and have been rounded to the nearest whole dollar. On the last page, you will find the formula used to figure out these costs, so that you can adjust these to fit your own family/situation or calculate costs for any appliances not listed. The appliances are listed by room areas. For current rates, visit www.snopud.com/rates or call our Energy Hotline at 425-783-1700 (M-F, 8a-5p).

	AVERAGE WATTS	HOURS OPERATED	KILOWATT- HRS/MO.	AVERAGE COST/MO.
KITCHEN				
Blender	385	5	1.9	Under 25¢
Broiler	1,400	4	5.6	Under \$1
Can opener	180	1	0.2	Under 5¢
Clock	3	Continuous	2.2	Under 25¢
Coffee-maker, automatic, brew cycle	880	Twice daily	13.6	\$1
Coffee-maker, automatic, warm cycle	80	30	2.4	25¢
Coffee-maker, drip, brew cycle	1,500	Twice daily	23.3	\$2
Coffee-maker, drip, warm cycle	70	30	2.1	Under 25¢
Convection oven	1,600	30	48.0	\$5
Crock-Pot	80	32	2.6	25¢
Dishwasher with heater	1,200	31	37.2	\$4
Fan, kitchen	250	30	7.5	Under \$1
Freezer (16 cu. ft.), manual defrost	330	220	72.6	\$7
Freezer (16 cu. ft.), auto defrost	400	260	104.0	\$11
Food processor	480	1	0.2	Under 5¢
Fryer, deep fat	1,500	4	6.0	Under \$1
Frying pan	1,200	8	9.6	\$1
Garbage disposal	450	3	1.4	Under 25¢
Hot plate with 2 elements	1,250	2	2.5	25¢
Microwave oven	1,000	30	30.0	\$3
Mixer (portable)	125	8	1.0	10¢
Popcorn popper	660	5	3.3	Under 50¢
Range (surface unit and oven)	12,000	11	132.0	\$14
Range, during self-cleaning process	5,000	1	5.0	50¢
Refrig/Freezer (14 cu. ft.), new	130	300	39.0	\$4
Refrig/Freezer (14 cu. ft.), older	280	380	106.4	\$11
Refrig/Freezer (18 cu. ft.), ENERGY STAR	175	280	49.0	\$5
Refrig/Freezer (18 cu. ft.), older	400	380	152.0	\$16
Slow cooker	200	225	45.0	\$5
Toaster	1,100	2	2.2	Under 25¢
Toaster oven	1,500	5	7.5	Under \$1
Trash compactor	400	15	6.0	Under \$1
Waffle iron	1,200	2	2.4	25¢

	AVERAGE WATTS	HOURS OPERATED	KILOWATT- HRS/MO.	AVERAGE COST/MO.
UTILITY/LAUNDRY ROOM				
Clothes dryer	5,000	24	120.0	\$12
Clothes washer, general	500	18	9.0	Under \$1
Clothes washer, horizontal axis	263	18	4.7	Under 50¢
Iron	1,100	4	4.4	Under 50¢
Sewing machine	75	12	0.9	Under 10¢
Vacuum cleaner	900	4	3.6	Under 50¢

BEDROOM & BATH				
Blanket, electric	200	85	17.0	\$2
Hair dryer	1,000	15	15.0	\$2
Hair curlers	350	7.5	2.6	Under 50¢
Shaver	15	7.5	0.1	Under 5¢
Sun lamp	250	10	2.5	25¢
Toothbrush, electric	10	10	0.1	Under 5¢
Water bed heater	300	380	114.0	\$12

LIGHTING				
CFL (1600 lumens)	23	150	3.5	Under 50¢
CFL (1100 lumens)	18	150	2.7	Under 50¢
CFL (800 lumens)	13	150	2.0	Under 25¢
Floodlight, outdoor, with photocell	150	350	52.5	\$5
Holiday string lights, 100 mini-lights	60	180	10.8	\$1
Holiday string lights, 100 C7 lights	500	180	90.0	\$9
Holiday string lights, 100 LED lights	3	180	0.5	Under 10¢
Incandescent, 100w (1600 lumens)	100	150	15.0	\$2
Incandescent, 75w (1100 lumens)	75	150	11.3	\$1
Incandescent, 60w (800 lumens)	60	150	9.0	Under \$1
LED (1600 lumens)	16	150	2.4	25¢
LED (1100 lumens)	13	150	2.0	Under 25¢
LED (800 lumens)	8	150	1.2	Under 25¢

LIVING ROOM APPLIANCES				
Fan, box, 20"	130	120	15.6	\$2
Fan, ceiling, small	60	120	7.2	Under \$1
Fan, ceiling, large	100	120	12.0	\$1
Fan, oscillating	47	120	5.6	Under \$1
Radio	20	120	2.4	25¢
Radio/stereo	80	120	9.6	Under \$1
Television, black and white	55	244	13.4	\$1
Television, color, 25"	120	244	29.3	\$3
Television HD, LCD (42")	213	244	52.0	\$5
Television HD, plasma (50")	350	244	85.4	\$9
<i>(continued)</i>				

	AVERAGE WATTS	HOURS OPERATED	KILOWATT- HRS/MO.	AVERAGE COST/MO.
LIVING ROOM APPLIANCES (CONT'D)				
Television HD, rear-projection (60")	212	244	51.7	\$5
TV add-on: Cable box	15	730	11.0	\$1
TV add-on: DVD player	20	46	0.9	Under 10¢
TV add-on: DVR	33	730	24.1	\$2
TV add-on: VCR	40	62	2.5	Under 25¢
TV add-on: Playstation 3 Original	190	175	33.2	\$3
TV add-on: Playstation 3 Slim	85	175	14.9	\$2
TV add-on: Playstation 4	120	175	21.0	\$2
TV add-on: Wii	40	175	7.0	Under \$1
TV add-on: Wii U	35	175	6.1	Under \$1
TV add-on: Xbox One	95	175	16.6	\$2
TV add-on: Xbox 360 Original	180	175	31.5	\$3
TV add-on: Xbox 360 S	90	175	15.7	\$2

HEATING, VENTILATING & AIR CONDITIONING APPLIANCES

Air-conditioner, room	200-320	67	13.4 - 21.4	\$1 - \$2
Air-conditioner, central	2500-8500	67	167.0 - 569.5	\$17 - \$58
Dehumidifier	250	210	52.5	\$5
Electric furnace w/o air-conditioner	8500	321	2728.5	\$280
Electric heater, 5-ft baseboard	1250	300	375.0	\$38
Electric heater, portable	1500	240	360.0	\$37
Humidifier	170	63	10.7	\$1
Water heater, (quick recovery)	4500	78	352.8	\$36

OFFICE MACHINES (BASED ON 30% OF NAME-PLATE RATING)

Calculator, desk	14	15	0.2	Under 5¢
Calculator, printing	70	15	1.1	Under 25¢
Computer	100	300	30.0	\$3
Wireless router	7	730	5.1	50¢
FAX machine	65	720	46.8	\$5
Photocopier, small	420	240	100.8	\$10
Photocopier, large	1600	240	384.0	\$39
Printer, inkjet	125	240	30.0	\$3
Printer, laser	600	240	144.0	\$15
Typewriter	138	240	33.1	\$3
Water cooler	140	240	33.6	\$3

MISCELLANEOUS

Garage door opener	350	11	3.6	Under 50¢
Furnace fan	650	150	97.5	\$10
Hot tub	4,500	75	337.5	\$35
Well pump (1 horsepower)	1,000	95	95.0	\$10

Figuring out your Energy Costs

If you really want to control how much you spend for your electric energy, it's important to know how to compute the operating costs of your electrical appliances, your electric furnace, and your lights.

Knowing these costs will help you see where your electric energy dollars are going, how much one appliance costs to operate compared to others, and how to conserve energy to lower your electric bill. Snohomish County PUD charges for the electricity you use by the kilowatt hour (kWh).

To determine the kilowatt-hour usage of an appliance, you must first determine the wattage of the appliance. For example, a 60-watt light bulb has a wattage of 60; a 1500-watt portable heater has a wattage of 1500. You should be able to find the wattage listed on the appliance.

Next, you need to determine how many continuous hours you use the appliance.

The formula to determine kilowatt hours is: $(\text{Wattage} \times \text{Hours of use}) \div 1000 = \text{Kilowatt hours (kWh)}$

To determine the operating cost of that appliance, you would then multiply the kilowatt hours (kWh) by the current PUD rate for electricity. As of April 1, 2017, the PUD has a rate of about 10.2¢ per kWh*. To determine the operating cost: $\text{kWh} \times \text{PUD rate} = \text{Operating Cost}$

FOR EXAMPLE:

Your fan uses 600 watts and you use it for 40 hours/month.

To determine kilowatt hours: $(600 \times 40) \div 1000 = 24 \text{ kWh}$ for a month

The cost to operate this fan in one month would be:

$24 \text{ kWh} \times .102 = \2.45 for a month

Check out Home EnergyAdvisor calculator at www.snopud.com/energyadvisor to analyze your PUD bill and find ways to save. We also offer calculators for appliances, lighting, televisions and thermostats for your convenience.

When shopping for new appliances, look for the ENERGY STAR™ logo. This designation means that the appliance has been rated as energy-efficient by the U.S. Department of Energy.



QUESTIONS?

CALL OUR ENERGY HOTLINE AT 425-783-1700

Toll-free in Western Washington and outside Everett at 1-877-783-1000, extension 1700

Monday through Friday, excluding holidays, 8 AM to 5 PM

*Visit our website at www.snopud.com/rates or contact the Energy Hotline for the most current electric rates.