

How much do your home appliances cost to operate?

www.pud3.org/howmuch



The basic measure of electricity is the kilowatt-hour (kWh).

The electric bill indicates the number of kilowatt-hours used plus a daily system charge and applicable taxes. The following formula gives a rough estimate of the cost of operating an appliance each month. Three things must be known to make this estimate: Wattage of the appliance (Use the formula: $Volts \times Amps = Watts$, or see the listing or specific appliance guide), an estimate of the hours used each month, and the cost per kWh for electricity.

The current Mason County PUD 3 residential rate, effective January 1, 2021 is: \$ 0.0749 /kWh

$$\begin{aligned} & (\text{Watts X Hours of Use}) / 1000 = \text{kWh} \\ & \text{kWh X } 0.0727 = \text{Monthly Operating Cost} \end{aligned}$$

Heating & Lighting

	Avg. Wattage	Est. Hours/Month	kWh/Month	Cost/Month
Air Conditioner - Window Unit	1100	270	297	\$ 22.25
Air HEPA Filter	250	720	180	\$ 13.48
Ambient Fireplace w/Heat on LOW	750	120	90	\$ 6.74
Ambient Fireplace w/Heat on HIGH	1500	120	180	\$ 13.48
Baseboard Heater 4ft.	1000	360	360	\$ 26.96
Baseboard Heater 6ft.	1500	360	540	\$ 40.45
Block Heater	1000	240	240	\$ 17.98
Cadet® Wall Heater	1000	360	360	\$ 26.96
Furnace Blower	600	180	108	\$ 8.09
Light Bulb- LED 9W (60W equivalent)	9	240	2	\$ 0.16
Light Bulb- CFL 13W (60W equivalent)	13	240	3	\$ 0.23
Light Bulb- 60W Incandescent	60	240	14	\$ 1.08
Light Bulb- CFL 26W (100W equivalent)	26	240	6	\$ 0.47
Light Bulb- 100W Incandescent	100	240	24	\$ 1.80
Fluorescent Light Fixture - 4 lamp T8	96	240	23	\$ 1.73
Pellet Stove w/ Blower	250	360	90	\$ 6.74
Portable Space Heater (including oil filled)	500	360	180	\$ 13.48
Portable Space Heater (including oil filled)	750	360	270	\$ 20.22
Portable Space Heater (including oil filled)	1500	360	540	\$ 40.45
Security Light-LED 40W	40	360	14.4	\$ 1.08
Security Light-HPS 250W	250	360	90	\$ 6.74

The estimated kilowatt-hour (kWh) consumption of the electrical appliances listed in the tables on this sheet are an average, based on normal usage of a family of four. These figures will vary considerably with the size and model of the appliance, the special features, the condition of a home's wiring, the number of people in the household, the size of the home, the insulation levels in the home and individual use habits. For questions about home energy usage or PUD 3's Conservation Programs, please call (360) 426-0777, or email conservation@masonpud3.org. PUD 3's rate schedule is available upon request.

Please see reverse for more appliance cost estimates.

Around the Kitchen

	<u>Avg. Wattage</u>	<u>Est. Hours/Month</u>	<u>kWh/Month</u>	<u>Cost/Month</u>
Coffee Maker	1500	15	23	\$ 1.69
Dishwasher	1400	30	42	\$ 3.15
Exhaust Fan Kitchen/Bath	250	35	9	\$ 0.66
Freezer- Upright, Frost-Free	1000	200	200	\$ 14.98
Microwave	1500	10	15	\$ 1.12
Oven	3000	12	36	\$ 2.70
Range Top (Large Burner)	2100	20	42	\$ 3.15
Range Top (Small Burner)	1600	20	32	\$ 2.40
Refrigerator (pre-1993)	800	215	172	\$ 12.88
Refrigerator (ENERGY STAR®)	500	110	55	\$ 4.12
Toaster Oven	1350	5	7	\$ 0.51

Electronics Around the Home

	<u>Avg. Wattage</u>	<u>Est. Hours/Month</u>	<u>kWh/Month</u>	<u>Cost/Month</u>
Computer + Flat Panel Monitor + Printer	400	720	288	\$ 21.57
Laptop (When Plugged-In)	60	360	22	\$ 1.62
Xbox 360®	185	180	33	\$ 2.49
Xbox One®	72	180	13	\$ 0.97
Playstation 3®	200	180	36	\$ 2.70
Playstation 4®	89	180	16.02	\$ 1.20
Nintendo Wii®	20	180	4	\$ 0.27
Surround Sound System	500	180	90	\$ 6.74
Digital Video Recorder (DVR)	150	180	27	\$ 2.02
Television (LCD or LED)	105	180	19	\$ 1.42
Television (Plasma)	300	180	54	\$ 4.04

Other Items Around the Home

	<u>Avg. Wattage</u>	<u>Est. Hours/Month</u>	<u>kWh/Month</u>	<u>Cost/Month</u>
Candle Warmer	25	240	6	\$ 0.45
Cell Phone Charger	4	120	0	\$ 0.04
Clothes Dryer	4800	20	96	\$ 7.19
Clothes Washer (ENERGY STAR®)	300	20	6	\$ 0.45
Clothes Washer	640	20	13	\$ 0.96
Dehumidifier	260	200	52	\$ 3.89
Designed Septic System	360	420	151	\$ 11.32
Digital Photo Frame	10	720	7	\$ 0.54
Electric Blanket	200	120	24	\$ 1.80
Fish Tank (20 Gallon)	85	720	61	\$ 4.58
Golf Cart Charging Station	720	240	173	\$ 12.94
Hair Dryer	1600	8	13	\$ 0.96
Hot Tub	4500	80	360	\$ 26.96
Oxygen Machine	400	720	288	\$ 21.57
Pond Pump	300	720	216	\$ 16.18
Heat Pump Water Heater	550	110	61	\$ 4.53
Water Heater	4500	110	495	\$ 37.08
Well Pump	1000	80	80	\$ 5.99