

FOR KITCHEN

Tip: Use your dishwasher to wash only full loads of dishes, then let your dishes air dry rather than using the dishwasher's drying feature.

Appliance	Average Wattage	Approx. Operating Cost
Blender	300	\$ 0.05 per hour
Broiler	1200	\$ 0.18 per hour
Coffee Maker	800	\$ 0.18 per hour
Convection Oven	1600	\$ 0.24 per hour
Crock-Pot®	250	\$ 0.04 per hour
Dishwasher	1200	\$ 0.18 per hour
Electric Frying Pan	1200	\$ 0.18 per hour
Food Processor	400	\$ 0.06 per hour
Freezer		
- Standard (15-20 cu ft)	1400	\$ 0.21 per hour
- Energy Star® (15-20 cu ft)	1200	\$ 0.18 per hour
Garbage Disposal	400	\$ 0.06 per hour
Griddle	1200	\$ 0.18 per hour
Microwave	1500	\$ 0.23 per hour
Mixer	150	\$ 0.02 per hour
Oven	3000	\$ 0.46 per hour
Refrigerator with Top Freezer (19.0 - 21.4 cu ft)		
- 2001 to 2008 Models		\$ 11.00 per month
- EnergyStar Models		\$ 7.50 per month
Roaster	1400	\$ 0.21 per hour
Stovetop		
- Electric	2000	\$ 0.30 per hour
- Natural Gas (270 ccf)		\$ 0.24 per hour
Toaster	1000	\$ 0.15 per hour
Toaster Oven	1500	\$ 0.23 per hour
Trash Compactor	500	\$ 0.08 per hour
Waffle Iron	1200	\$ 0.18 per hour

FOR LAUNDRY

Tip: Wash and dry full loads to maximize efficiency.

Appliance	Average Wattage	Approx. Operating Cost
Clothes Dryer		
- Electric (per load)	5	\$ 24.98 per month
- Natural Gas (3 Therm)		\$ 8.00 per month
Clothes Washer		
- Top Load (per load)	3.4	\$ 16.51 per month
Iron	400	\$ 0.06 per hour
Sewing Machine	100	\$ 0.02 per hour

"WANT TO LEARN MORE WAYS YOU CAN SAVE ON YOUR ENERGY BILL?"

- Learn about offers and rebates you may be eligible for when making various energy efficiency improvements at dteenergy.com/saveenergy
- Visit dteenergy.com/dteinsight to learn about the free DTE Insight app that links your smart phone to your smart meter so you can see the energy use in your home
- Visit the new marketplace to shop online for energy saving products and compare products at dteenergy.com/marketplace
- Sign up to receive eConnections, our free monthly newsletter providing energy saving advice at dteenergy.com/econn

All figures are estimates.

An effective rate of \$0.15/kWh was used to calculate the typical operating cost of electric appliances.

An effective rate of \$\$0.64/Ccf (100 cubic feet) was used to calculate the typical operating cost of gas appliances.



"HOW MUCH DOES IT COST TO OPERATE MY APPLIANCES?"

This brochure is designed to help you understand the costs for operating your home appliances so that you can make smart choices on how to reduce your energy use.

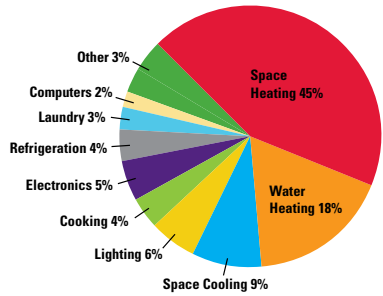


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RESIDENTIAL ENERGY USE



Heating accounts for the biggest portion of your utility bills.

Source: 2011 Buildings Energy Data Book, Table 2.1.1 Residential Primary Energy Consumption, by Year and Fuel Type.

FOR HEATING AND COOLING

Tip: Install a programmable thermostat and set it at the recommended winter setting of 68 degrees F or lower. And 78 degrees F or higher for the cooling season.

Appliance	Average Wattage	Approx. Operating Cost
Air Purifier	150	\$ 0.02 per hour
Ceiling Fan	100	\$ 0.02 per hour
Central Air Conditioner		
16 SEER	4320	\$ 0.66 per hour
Dehumidifier	750	\$ 0.11 per hour
Electric Blanket	210	\$ 0.03 per hour
Fireplace		
- Electric	1500	\$ 0.23 per hour
- Natural Gas (0.4822 ccf)		\$ 0.31 per hour
Furnace		
- Natural Gas (1.1572 ccf)		\$ 0.74 per hour
Room Air Conditioner	1000	\$ 0.15 per hour
Space Heater	1500	\$ 0.23 per hour
Water Heater		
- Electric	4500	\$ 49.85 per month
- Natural Gas (36000BTU)		\$ 42.60 per month
Whole House Fan	190	\$ 0.03 per hour
Window Fan	175	\$ 0.03 per hour



FOR HEALTH AND BEAUTY

Tip: Take showers instead of baths. A 5-minute shower can use less than 15 gallons of water, while a bath can use 30 to 40 gallons.

Appliance	Average Wattage	Approx. Operating Cost
Curling Iron	85	\$ 0.01 per hour
Hair Dryer	1600	\$ 0.24 per hour
Heating Pad	65	\$ 0.01 per hour
Shaver	40	\$ 0.01 per hour
Sterilizer	100	\$ 0.02 per hour
Vaporizer	300	\$ 0.05 per hour

FOR OUTDOORS

Tip: Use outdoor security lights with a photocell and/or motion detector.

Appliance	Average Wattage	Approx. Operating Cost
Circular Saw	1800	\$ 0.27 per hour
Drill	420	\$ 0.06 per hour
Hedge Trimmer	500	\$ 0.08 per hour
Lawn Edger	1400	\$ 0.22 per hour
Lawn Mower	1440	\$ 0.22 per hour
Outdoor Lighting	40	\$ 0.01 per hour
Pool Heater		\$ 1.92 per hour
Sander	450	\$ 0.07 per hour
Soldering Gun	325	\$ 0.04 per hour
Sump Pump	325	\$ 0.05 per hour
Motors		
(furnace fan, pool filter, garage door opener, etc.)		
1/4 Horsepower	300	\$ 0.05 per hour
1/3 Horsepower	400	\$ 0.06 per hour
1/2 Horsepower	600	\$ 0.09 per hour
3/4 Horsepower	800	\$ 0.12 per hour
1 Horsepower	1000	\$ 0.15 per hour

FOR OFFICE AND ELECTRONICS

Tip: Consider replacing your desktop computer with a laptop, which uses much less energy.

Appliance	Average Wattage	Approx. Operating Cost
40" LED TV	20	<\$ 0.01 per hour
55" OLED TV	25	<\$ 0.01 per hour
Blue-Ray Player	120	\$ 0.02 per hour
Cable Box	9	<\$ 0.01 per hour
Desktop Computer	200	\$ 0.03 per hour
DVD Player	180	\$ 0.03 per hour
Fax Machine	200	\$ 0.03 per hour
HD DVR	33	\$ 0.01 per hour
Home Theater System	1000	\$ 0.15 per hour
LED TV	100	\$ 0.01 per hour
Laptop Computer	50	\$ 0.01 per hour
PlayStation 4	90	\$ 0.01 per hour
XBOX One	80	\$ 0.01 per hour
Wii	9	<\$ 0.01 per hour
Ink Jet Printer	30	<\$ 0.01 per hour
Laser Printer	40	\$ 0.01 per hour
Projection TV	300	\$ 0.05 per hour
Wireless Router	7	<\$ 0.01 per hour

FOR LIGHTING

Tip: Installing ENERGY STAR®-certified LEDs. LEDs can last up to 25 times longer than a traditional incandescent and use up to 75 percent less energy than traditional incandescent bulbs.

Appliance	Average Wattage	Approx. Operating Cost
Incandescent Bulb	60	\$ 0.01 per hour
Halogen Bulb	45	<\$ 0.01 per hour
LED Bulb	7	<\$ 0.01 per hour

