



# Energy Usage Guide

Consult the tables below for common household appliances and devices, amount of power required to operate each (wattage), typical number of hours used per month, power required (kW), typical kilowatt-hours (kWh) used per month and monthly cost to operate based on CORE's current residential rate. To calculate the approximate monthly cost to power any other device, use this formula: **[(Wattage × Hours Used) ÷ 1,000] × Rate**.

Around the House

Electronics

| Item                       | Wattage | Average Hours Used | kWh  | Average kWh | Cost @ \$0.10819 per kWh |
|----------------------------|---------|--------------------|------|-------------|--------------------------|
| Clothes Dryer              | 5,000   | 25                 | 5    | 125         | \$13.52                  |
| Electric Blanket           | 250     | 30                 | 0.25 | 7.5         | \$0.81                   |
| Engine Block Heater        | 1,000   | 360                | 1    | 360         | \$38.95                  |
| Gutter Heater/Roof De-Icer | 1,000   | 720                | 1    | 720         | \$77.90                  |
| Hair Dryer                 | 1,600   | 4                  | 1.6  | 6.4         | \$0.69                   |
| Heat Lamp                  | 250     | 360                | 0.25 | 90          | \$9.74                   |
| Heat Tape                  | 200     | 360                | 0.2  | 72          | \$7.79                   |
| Heated Driveway (20x40)    | 28,000  | 16                 | 28   | 448         | \$48.47                  |
| Hot Tub                    | 5,500   | 60                 | 5.5  | 330         | \$35.70                  |
| Light Bulb (LED)           | 9       | 150                | 0.01 | 1.35        | \$0.15                   |
| Light Bulb (Incandescent)  | 60      | 150                | 0.06 | 9           | \$0.97                   |
| Radon Fan                  | 50      | 720                | 0.05 | 36          | \$3.89                   |
| Stock Tank Heater          | 1,500   | 720                | 1.5  | 1080        | \$116.85                 |
| Washing Machine            | 500     | 25                 | 0.5  | 12.5        | \$1.35                   |
| Water Heater               | 4,500   | 90                 | 4.5  | 405         | \$43.82                  |
| Well Pump (2 hp)           | 1,492   | 30                 | 1.49 | 44.76       | \$4.84                   |
| Computer (Desktop)         | 200     | 240                | 0.2  | 48          | \$5.19                   |
| Computer (Laptop)          | 60      | 240                | 0.06 | 14.4        | \$1.56                   |
| Video Game Console         | 250     | 90                 | 0.25 | 22.5        | \$2.43                   |
| TV (32" LED)               | 60      | 150                | 0.06 | 9           | \$0.97                   |
| TV (55" LED)               | 150     | 150                | 0.15 | 22.5        | \$2.43                   |
| TV (Plasma)                | 250     | 150                | 0.25 | 37.5        | \$4.06                   |

Kitchen Appliances

Comfort Conditioning

EVs

| Item                       | Wattage | Average Hours Used | kWh  | Average kWh | Cost @ \$0.10819 per kWh |
|----------------------------|---------|--------------------|------|-------------|--------------------------|
| Coffee Maker               | 800     | 15                 | 0.8  | 12          | \$1.30                   |
| Dishwasher                 | 1,800   | 30                 | 1.8  | 54          | \$5.84                   |
| Freezer                    | 250     | 100                | 0.25 | 25          | \$2.70                   |
| Microwave                  | 1,400   | 7                  | 1.4  | 9.8         | \$1.06                   |
| Oven                       | 5,000   | 7                  | 5    | 35          | \$3.79                   |
| Refrigerator               | 750     | 100                | 0.75 | 75          | \$8.11                   |
| Stove-top burner (small)   | 1,000   | 7                  | 1    | 7           | \$0.76                   |
| Stove-top burner (large)   | 3,000   | 7                  | 3    | 21          | \$2.27                   |
| Toaster                    | 1,200   | 3                  | 1.2  | 3.6         | \$0.39                   |
| Air Conditioner            | 1,000   | 180                | 1    | 180         | \$19.47                  |
| Ceiling Fan                | 50      | 150                | 0.05 | 7.5         | \$0.81                   |
| Central A/C (2.5 tons)     | 3,500   | 180                | 3.5  | 630         | \$68.16                  |
| Furnace, Electric          | 18,000  | 120                | 18   | 2160        | \$233.69                 |
| Furnace Fan                | 300     | 720                | 0.3  | 216         | \$23.37                  |
| Humidifier (house steam)   | 3,520   | 360                | 3.52 | 1267.2      | \$137.10                 |
| Oxygen Concentrator        | 310     | 720                | 0.31 | 223.2       | \$24.15                  |
| Radiant Floor Heat (10x20) | 3,000   | 180                | 3    | 540         | \$58.42                  |
| Space Heater               | 1,500   | 180                | 1.5  | 270         | \$29.21                  |
| EV Level 1 Charger         | 6,000   | 14                 | 6    | 84          | \$9.09                   |
| EV Level 2 Charger         | 11,000  | 7                  | 11   | 77          | \$8.33                   |