



## 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**.

|                  | Item                       | Wattage | Average Hours Used | kWh  | Average kWh | Cost @ \$0.1155 per kWh |
|------------------|----------------------------|---------|--------------------|------|-------------|-------------------------|
|                  |                            |         |                    |      |             |                         |
| Around the House | Clothes Dryer              | 5,000   | 25                 | 5    | 125         | \$14.44                 |
|                  | Electric Blanket           | 250     | 30                 | 0.25 | 7.5         | \$0.87                  |
|                  | Engine Block Heater        | 1,000   | 360                | 1    | 360         | \$41.58                 |
|                  | Gutter Heater/Roof De-Icer | 1,000   | 720                | 1    | 720         | \$83.16                 |
|                  | Hair Dryer                 | 1,600   | 4                  | 1.6  | 6.4         | \$0.74                  |
|                  | Heat Lamp                  | 250     | 360                | 0.25 | 90          | \$10.40                 |
|                  | Heat Tape                  | 200     | 360                | 0.2  | 72          | \$8.32                  |
|                  | Heated Driveway (20x40)    | 28,000  | 16                 | 28   | 448         | \$51.74                 |
|                  | Hot Tub                    | 5,500   | 60                 | 5.5  | 330         | \$38.12                 |
|                  | Light Bulb (LED)           | 9       | 150                | 0.01 | 1.35        | \$0.16                  |
| Electronics      | Light Bulb (Incandescent)  | 60      | 150                | 0.06 | 9           | \$1.04                  |
|                  | Radon Fan                  | 50      | 720                | 0.05 | 36          | \$4.16                  |
|                  | Stock Tank Heater          | 1,500   | 720                | 1.5  | 1080        | \$124.74                |
|                  | Washing Machine            | 500     | 25                 | 0.5  | 12.5        | \$1.44                  |
|                  | Water Heater               | 4,500   | 90                 | 4.5  | 405         | \$46.78                 |
|                  | Well Pump (2 hp)           | 1,492   | 30                 | 1.49 | 44.76       | \$5.17                  |
|                  | Computer (Desktop)         | 200     | 240                | 0.2  | 48          | \$5.54                  |
|                  | Computer (Laptop)          | 60      | 240                | 0.06 | 14.4        | \$1.66                  |
|                  | Video Game Console         | 250     | 90                 | 0.25 | 22.5        | \$2.60                  |
|                  | TV (32" LED)               | 60      | 150                | 0.06 | 9           | \$1.04                  |
|                  | TV (55" LED)               | 150     | 150                | 0.15 | 22.5        | \$2.60                  |
|                  | TV (Plasma)                | 250     | 150                | 0.25 | 37.5        | \$4.33                  |

|                      | Item                       | Wattage | Average Hours Used | kWh  | Average kWh | Cost @ \$0.1155 per kWh |
|----------------------|----------------------------|---------|--------------------|------|-------------|-------------------------|
|                      |                            |         |                    |      |             |                         |
| Kitchen Appliances   | Coffee Maker               | 800     | 15                 | 0.8  | 12          | \$1.39                  |
|                      | Dishwasher                 | 1,800   | 30                 | 1.8  | 54          | \$6.24                  |
|                      | Freezer                    | 250     | 100                | 0.25 | 25          | \$2.89                  |
|                      | Microwave                  | 1,400   | 7                  | 1.4  | 9.8         | \$1.13                  |
|                      | Oven                       | 5,000   | 7                  | 5    | 35          | \$4.04                  |
|                      | Refrigerator               | 750     | 100                | 0.75 | 75          | \$8.66                  |
|                      | Stove-top burner (small)   | 1,000   | 7                  | 1    | 7           | \$0.81                  |
|                      | Stove-top burner (large)   | 3,000   | 7                  | 3    | 21          | \$2.43                  |
|                      | Toaster                    | 1,200   | 3                  | 1.2  | 3.6         | \$0.42                  |
|                      | Air Conditioner            | 1,000   | 180                | 1    | 180         | \$20.79                 |
| Comfort Conditioning | 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                 |
| EVs                  | EV Level 1 Charger         | 6,000   | 14                 | 6    | 84          | \$9.70                  |
|                      | EV Level 2 Charger         | 11,000  | 7                  | 11   | 77          | \$8.89                  |