MISCELLANEOUS ENERGY DEVICES

WINTER SEASON

ELECTRIC DEVICES

LEVEL OF USE

MONTHLY COST

ENERGY SAVING TIPS

Dehumidifier

8 hrs./day

$22.80/mo.

- Try to identify and eliminate sources of moisture in your home in order to reduce use of the dehumidifier.
- Run with windows closed.

Freezer

(less than 10 yrs. old)

24 hrs./day

$23.80/mo.

- Limit the time you open the doors.
- Consider purchasing an in-door ice maker which uses about half the amount of electricity.

Waterbed heater

10 hrs./day

$21.49/mo.

- Insulate your waterbed keeping it covered with a comforter or other blankets.
- Use a timer to turn the heater on and off when needed.

10 regular light bulbs

(100 watts each)

4 hrs./day

$22.80/mo.

- Turn off lights when you don’t need them.
- Replace light bulbs you use the most with light-emitting diode (LED) bulbs.
- LED bulbs use one-quarter the amount of electricity.

Fish tank

(with light and filter; 50 gallons)

7 hrs./day

$9.40/mo.

- Use the light only when you need to maintain the water temperature.

Hot tub

(50 gallons)

24 hrs./day

$31.40/mo.

- When not in use turn temperature down and use an insulated tight-fitting cover.

SUMMER SEASON

ELECTRIC DEVICES

LEVEL OF USE

MONTHLY COST

ENERGY SAVING TIPS

Room air conditioner

(12,000 BTU)

6 hrs./day

$41.00/mo.

- Use only when necessary.
- Turn it off or on when you are not home.
- Use a programmable thermostat.
- Keep windows shut.
- Use a fan to circulate the air.

Central air conditioner

8 hrs./day

$123.10/mo.

- Use only when necessary.
- Turn it off or on when you are not home.
- Use a programmable thermostat.
- Keep windows shut.
- Use a fan to circulate the air.

Furnace

24 hrs./day

50-60% of winter energy costs

- Insulate your attic.
- Insulate heating ducts and save 10-30% of heating costs.
- Seal cracks around windows and doors.
- Lower your thermostat at night and when you are not home.
- Install a programmable thermostat.

Circulating fan

6 hrs./day

$2.90/mo.

- Use fans to help move the air around and bring in cooler air at night.
- Fans use much less energy than air conditioners.

Swimming pool pump

(1 horsepower)

8 hrs./day

$36.50/mo.

- Check that the pump filter is clean and the pump is well lubricated.
- Turn off when not needed.
- Use a programmable timer.

Portable heater

(1,500 watts)

8 hrs./day

$68.40/mo.

- Only use when necessary.
- Turn it off or on when you are not home.
- Use a programmable thermostat.
- Keep windows shut.
- Use a fan to circulate the air.

Electric blanket

(King size bed)

8 hrs./day

$7.70/mo.

- Consider using the electric blanket only to warm up the bed.
- Turn it off when you settle in.

Furnace

24 hrs./day

50-60% of winter energy costs

- Insulate your attic.
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- Seal cracks around windows and doors.
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- Install a programmable thermostat.

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- Run with windows closed.

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$770/mo.

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Look around. What appliances are on? Do you know how much they are costing you? Knowing how much your main electric devices cost to run will help you lower your utility bills and become more energy efficient. This brochure includes a list of common household electric devices and appliances, their estimated operating costs based on level of usage, and some energy saving tips. The operating costs of your appliances and electric devices may differ from those listed here depending on their use, age and frequency of use.

The estimated monthly cost is based on a certain level of use. If your level of use is different from the amount shown, you should recalculate your cost based on your usage. For example, if your personal computer is on for 10 hours a day, instead of the five hours shown in the chart, the amount of electricity it consumes would be twice as much. Therefore, your monthly personal computer cost would be $8.00, instead of $4.00.

Use the information in the chart to estimate your savings if you reduce your cost based on your usage. For example, if your personal computer normally runs five hours per day, the monthly cost would be $4.00. If you were able to reduce the level of use is different from the amount shown, you should recalculate your cost based on your usage. For example, if your personal computer is on for 10 hours a day, instead of the five hours shown in the chart, the amount of electricity it consumes would be twice as much. Therefore, your monthly personal computer cost would be $8.00, instead of $4.00.

Use the information in the chart to estimate your savings if you reduce your cost based on your usage. For example, if your personal computer normally runs five hours per day, the monthly cost would be $4.00. If you were able to reduce the level of use, the monthly cost would be $2.00, instead of $4.00.

### KITCHEN

<table>
<thead>
<tr>
<th>ELECTRIC DEVICES</th>
<th>LEVEL OF USE</th>
<th>MONTHLY COST</th>
<th>ENERGY SAVING TIPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refrigerator (36 cubic feet; 10-15 years old)</td>
<td>24 hrs/day</td>
<td>$33/10/mo.</td>
<td>- Limit opening the doors - Set the refrigerator at 38º and the freezer at 0º - Consider purchasing an Energy Star™ model which will use one-third the amount of electricity.</td>
</tr>
<tr>
<td>Oven</td>
<td>30 min/day</td>
<td>$20/10/mo.</td>
<td>- Consider using a toaster or microwave oven, which use one-tenth the amount of electricity of a conventional oven.</td>
</tr>
<tr>
<td>Stove top burner (large burner)</td>
<td>30 min/day</td>
<td>$7.30/mo.</td>
<td>- Larger burners use one-half the amount of electricity. - Cook with lids on your pans.</td>
</tr>
<tr>
<td>Dishwasher (washing and drying cycles)</td>
<td>1 load/day</td>
<td>$5.70/mo.</td>
<td>- Run dishwasher only when full. - Use a dishwasher with high efficiency. - Wash with full loads.</td>
</tr>
<tr>
<td>Microwave (1,400 watts)</td>
<td>30 min/day</td>
<td>$4.00/mo.</td>
<td>- Use a microwave oven for one-tenth the amount of electricity as an oven.</td>
</tr>
<tr>
<td>Coffee maker</td>
<td>30 min/day</td>
<td>$17.00/mo.</td>
<td>- Turn off coffee maker when not brewing or warming coffee.</td>
</tr>
</tbody>
</table>

### HOME ENTERTAINMENT AND OFFICE

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</thead>
<tbody>
<tr>
<td>Large Screen TV</td>
<td>6 hrs/day</td>
<td>$9.40/mo.</td>
<td>- Turn the TV off when you are not watching it.</td>
</tr>
<tr>
<td>Standard Size TV</td>
<td>6 hrs/day</td>
<td>$8.60/mo.</td>
<td>- Consider unplugging extra cable boxes that are not in use. - Don’t plug in devices that do not draw power. - Ask your cable provider for an Energy Star® device.</td>
</tr>
<tr>
<td>Cable box</td>
<td>24 hrs/day</td>
<td>$4.80/mo.</td>
<td>- Install a programmable thermostat.</td>
</tr>
<tr>
<td>Personal computer (with monitor and printer)</td>
<td>5 hrs/day</td>
<td>$8.00/mo.</td>
<td>- If you are not using your computer, turn it off. - Purchase an ENERGY STAR device.</td>
</tr>
</tbody>
</table>

### LAUNDRY AND BATHROOM

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Water heater (52 gallons)</td>
<td>24 hrs/day</td>
<td>$77.00/mo.</td>
<td>- Insulate hot water heater and hot water pipes. - Lower water temperature to 100-110º (if you have a dishwasher). - Install faucet aerators and use flow shower heads.</td>
</tr>
<tr>
<td>Clothes dryer</td>
<td>1 load/day</td>
<td>$17.80/mo.</td>
<td>- Use a clothesline when possible.</td>
</tr>
<tr>
<td>Clothes washer</td>
<td>1 load/day</td>
<td>$5.90/mo.</td>
<td>- Use cold water when you can.</td>
</tr>
<tr>
<td>Hair dryer</td>
<td>15 min/day</td>
<td>$3.30/mo.</td>
<td>- Dry your hair when you want to. - Consider air drying in warmer weather.</td>
</tr>
</tbody>
</table>

Install a programmable thermostat. Take advantage of rebates and discounts on energy efficiency improvements. Use ENERGY STAR® appliances and devices. Use your washer and clothes dryer at night or off-peak hours. Light Emitting Diodes (LEDs) use 75%-80% less electricity than incandescent bulbs. Turn off lights in rooms not in use.