

ENERGY FAST FACTS

(Based on 8¢/kWh)

Lighting

FLUORESCENT FIXTURES

- ✍ 4-Tube T-12 40W Magnetic Ballast—1 hour ON = 1.3[¢]
- ✍ 2-Tube T-12 34W ES Magnetic Ballast—3 hours ON = 1.5[¢]
- ✍ Room w/ 20 fixtures (2-Tube T-12 40W Magnetic ballast)
Cost per hour ON = 14.5[¢]
- ✍ Room w/ 20 fixtures (2-Tube T-8 32W Electronic Ballast)
Cost per hour ON = 10.4[¢]

EXIT FIXTURES

- ✍ Conventional fixture w/ 2 20W lamps – 1 day ON = 8[¢]
- ✍ LED Fixture – 1 day ON = 2.4[¢]

INCANDESCENT FIXTURES

- ✍ 300W Incandescent Lamp – 1 hour ON = 2.4[¢]
- ✍ 23W Compact Fluorescent Lamp—7 hours ON = 1.3[¢]

GYM LIGHTING

- ✍ Gym with 30 400W Metal Halide Lamps—1 hour ON= \$1.00

Computer Equipment

COMPUTER WITH MONITOR

- ✍ Cost if left ON after normal use – per hour = 1.6[¢]
– per day = 33.3[¢]

PRINTER

- ✍ Cost if left ON after normal use – per day = 7.5[¢]
– per year = \$28

COPIER

- ✍ Cost if left ON after normal use – per 4 hour day = 57[¢]
– per year = \$83.4

Portable Electric Heaters

- ✍ 1500 W unit running 4 hours a day = 49[¢]
4 hours a day for 90 days = \$42+

Leaking Water Faucets

- ✍ A faucet dripping at 20 drips per minute per year = \$3.15

Vending Machines

- ✍ Electricity costs per year = up to \$160
* 50% can be saved with efficiency technologies

Waterless Urinals

- ✍ Reduction in water/maintenance costs per year = \$457/urinal

Questions?

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ENERGY CHECKLIST

Several important items to check daily:

- ✍ Turn off all computers that are not required to be on 24 hours a day
- ✍ Be sure all lights in closets and storage areas are turned off when not in use or required
- ✍ Be sure all lights in mechanical areas are turned off when not in use
- ✍ Check all classroom lights and turn off when not needed
- ✍ Check for obstructions in front of ventilation units
- ✍ Report all equipment that is not working properly
- ✍ Check all printers and copiers to be sure they are off before leaving the building
- ✍ Report all leaking faucets and other water-related items
- ✍ Check all thermostats setting, if appropriate
- ✍ Be sure all personal lights and heaters that are brought into the classroom are turned off before leaving the school each day
- ✍ Check all modular/re-locatable/temporary classroom units to be sure all lights and equipment are turned off
- ✍ Report all time clocks not operating properly
- ✍ Be sure all windows are closed and secured

Created by Rebuild Colorado and Rebuild America for:

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