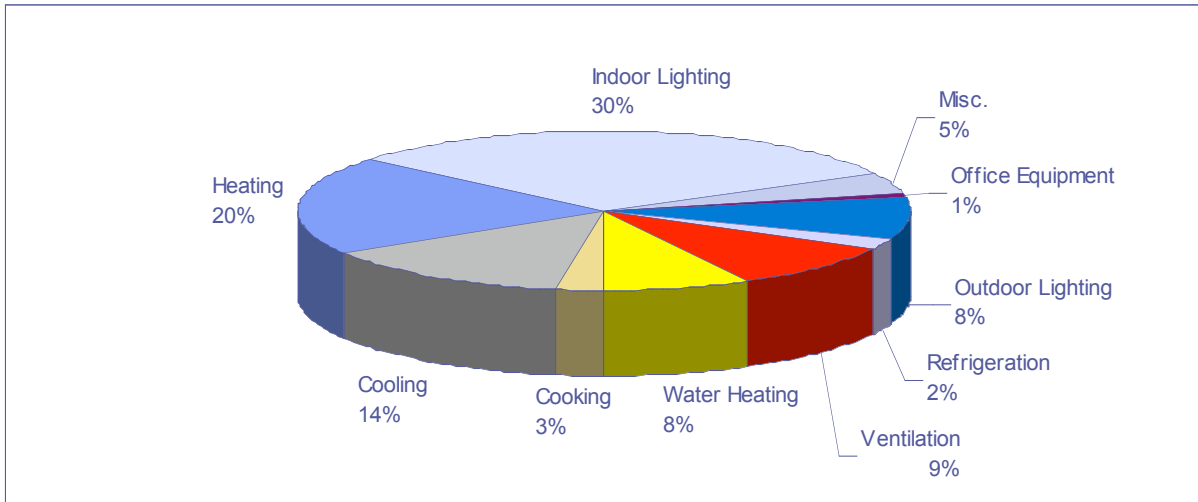


Pacific Gas and Electric Company School Resources Program
 Energy Saving Information for School Custodians

TYPICAL ELECTRIC USE AT A PUBLIC SCHOOL



Hourly Equipment Operating Costs

The cost to run electrical items (and natural gas items, too) when they are not needed really adds up quickly. As custodians, you see items everyday that are left on and adding to the District’s energy costs.

You can help your District reduce energy costs by understanding how much it cost to operate school equipment, and by turning that equipment off if authorized to do so. The table below shows the estimated hourly cost of operating some common items found in today’s schools. Remember, the more watts a unit uses, or the longer it runs, the more expensive it is to use.

Item / Watts	Cost per HOUR
Compact Fluorescent Lamp 23 Watts	one third cent
Incandescent lamp 100 Watts	1.4 cents
Computer 100 Watts	1.5 cents
T8 3 lamp 4 foot fluorescent fixture 112 Watts	1.5 cents
Aquarium 250 Watts	1.75 cents
T12 4 lamp fluorescent fixture 184 Watts	2.5 cents
Computer Monitor 220 Watts	3 cents
Mini classroom refrigerator 350 Watts	5 cents
Older Donated Refrigerator 725 Watts	6 cents
Metal Halide Gym Lighting 465 watts	6.5 cents
Refrigerated Vending Machine 1,150 Watts	10 cents
Fax Machines 864 Watts	12 cents
Microwave Oven 1,100 Watts	15 cents
Photo copier 1,081 Watts	15 cents
Coffee Maker 1,100 Watts	16 cents
Portable electric heater 1,500 Watts	21 cents

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EASY WAYS TO SAVE ENERGY AT SCHOOL

- Turn off classroom lights when not needed. Remind coworkers to turn lights off when leaving. It is always less expensive to turn off fluorescent lighting than to leave them on.
- Be sure all lights in closets, storage rooms, and custodial closets are turned off when not needed.
- Except for safety lighting, be sure all lights in equipment rooms are turned off when the room is unoccupied.
- Turn off any outside lights that are left on during daylight hours.
- Turn off all computers that are not required to be on 24 hours a day.
- Turn off all computer monitors when computer is not in use.
- Check all printers and copiers to be sure they are off at night and on weekends and holidays.
- Check thermostat settings if appropriate.
- Move obstructions blocking ventilation or AC intake grilles.
- Report equipment that is making unusual noises or not working properly.
- Report water using items that are leaking.
- Be sure all personal lights, coffee makers, heaters and small appliances that are brought onto school property are turned off before the last person leaves.
- Before leaving, check all portable classrooms to be sure lights and equipment are turned off.
- Check the accuracy of time-clocks. Report any time clocks that are not operating properly.
- Be sure all doors and windows are closed and locked.