



Energy Section Green & Healthy Schools Assessment

Reducing energy use, encouraging energy-saving behavior, and purchasing energy efficient appliances saves natural resources and can save your school money. Regular maintenance of heating, ventilation and air conditioning systems will improve performance and may prevent a minor repair cost from becoming a major expense. It also helps to maintain indoor air quality and reduce allergy and asthma triggers. This section will help you identify current energy management practices in your school and start you thinking about ways to modify these practices to make your school greener and healthier.*

School Name: _____

Date: _____

Conducted By:

School Population

Students: _____
 Staff: _____
 Total: _____

A. Classroom Energy Assessment

Have each classroom complete the Classroom Energy Assessment (see accompanying PDF document)

B. General Information

1. Contact your electricity provider to determine the primary sources of energy for your school.

- | | |
|---|---|
| <input type="checkbox"/> Coal ___% | <input type="checkbox"/> Natural Gas/Propane ___% |
| <input type="checkbox"/> Nuclear ___% | <input type="checkbox"/> Oil ___% |
| <input type="checkbox"/> Hydroelectric ___% | <input type="checkbox"/> Windpower ___% |
| <input type="checkbox"/> Solar ___% | <input type="checkbox"/> Geothermal ___% |
| <input type="checkbox"/> Wood ___% | <input type="checkbox"/> Other _____% |

2. What facilities other than the school building use electricity on school grounds?

- | | |
|--|---|
| <input type="checkbox"/> Athletic Fields | <input type="checkbox"/> Outdoor lighting |
| <input type="checkbox"/> Press Box | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Storage Sheds | |

3. How much did your school pay for energy last year?

Propane/Natural Gas/Oil _____
 Electricity _____
 Other _____

* To conserve paper, please print double-sided whenever possible

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11. Are trees located closely around the building to provide shade during sunny days?
 Yes No

12. Are trees placed on the north and west sides of the school to provide a wind break?
 Yes No

D. Temperature

1. How is the temperature in your building controlled?
 Whole school is set at same temperature
 Individual thermostats for each room or group of rooms

2. Who sets the thermostats?
 Individual teacher controls the thermostat
 Thermostat is set by administration/maintenance staff

3. Does your school use programmable thermostats?
 Yes No

4. Does your school (or school district) have standards or guidelines for thermostat temperature settings?
 Yes No

If yes, what are the thermostat temperature settings for the following?

Heating Season:	Cooling Season:
Occupied _____	Occupied _____
Unoccupied _____	Unoccupied _____

E. Lighting

1. What type of lighting is used inside of the school?

Rooms	Compact Fluorescent Light bulbs (CFL's)	Incandescent Light bulbs	Fluorescent Light bulbs	High Intensity Discharge (HID) Light bulbs	Other (Please specify)
Classrooms					
Office					
Restrooms					
Cafeteria					
Auditorium					
Gym					
Locker Rooms					
Hallways					
Library					
Other					

2. What kind of lighting is used outside of the school?

Area	Compact Fluorescent Light bulbs	Incandescent Light bulbs	Fluorescent Light bulbs	High Intensity Discharge (HID) Light bulbs	Other (Please specify)
Stadium					
Concessions					
Parking Lots					
Building Ext.					

3. Are exit and emergency lights periodically inspected by school staff?
 Yes No

4. Are lights controlled by motion and/or photo sensors? If so, what type and where?
 * Photosensors automatically turn lights on/off depending on the amount of natural light in the room.
 * Motionsensors automatically turn lights on/off based on movement in the room.

Rooms	Sensors- [Type: Motion/Photo/Both/None*]
Classrooms	
Office	
Restrooms	
Cafeteria	
Auditorium	
Gym	
Locker Rooms	
Hallways	
Outdoors	

5. Is natural lighting or skylighting (also referred to as Daylighting) used as an alternative to artificial lighting?
 If so, where?

Rooms	Natural Lighting Only	Primarily natural lighting with artificial lighting as needed	Natural and artificial lighting both used some times	Artificial Lighting Only
Classrooms				
Office				
Restrooms				
Cafeteria				
Auditorium				
Gym				
Locker Rooms				
Hallways				

6. Does your school use Vending Misers or timers to control vending machine lighting and compressor use?
 Yes No

F. Appliances/Machines

1. Which energy-using appliances does your school have?

- | | |
|--|--|
| <input type="checkbox"/> Copiers | <input type="checkbox"/> Refrigerator |
| <input type="checkbox"/> Printers | <input type="checkbox"/> Ice Maker |
| <input type="checkbox"/> Scanners | <input type="checkbox"/> Dishwashers |
| <input type="checkbox"/> Computers/Monitors | <input type="checkbox"/> Stoves |
| <input type="checkbox"/> Refrigerators | <input type="checkbox"/> Ovens |
| <input type="checkbox"/> Televisions | <input type="checkbox"/> Clothes Dryer |
| <input type="checkbox"/> DVD Player/VHS Player | <input type="checkbox"/> Others _____ |

2. Which of these appliances/machines are turned off every night?

- | | |
|---|--------------------------------------|
| <input type="checkbox"/> Computer/Monitor | <input type="checkbox"/> Televisions |
| <input type="checkbox"/> Printer | <input type="checkbox"/> Copiers |
| <input type="checkbox"/> Fax Machine | <input type="checkbox"/> Other _____ |

3. Are the coils on your school's refrigerators and coolers cleaned on a regular basis?

Yes No

How often are they cleaned? _____

G. Curriculum and Community

1. Does your school include energy as part of the curriculum? If so, which subjects or courses are covered and at what grade levels are they offered?

2. Has your school staff recently participated in any energy professional development programs or workshops (i.e. WI K12 Energy Education program (KEEP) or workshops offered by your local energy provider)?

Yes No

3. Where is the closest power plant to your school located and what type of power plant is it (i.e. hydro, wind, geothermal, coal, and bio-energy)?

4. Has your school/class ever taken a tour of your local power plant?

Yes No

5. Does your school have an energy plan for students and staff that emphasizes energy conservation and efficiency?

Yes No

6. Are students and staff encouraged to conserve energy?

Yes No

7. Does your school website and/or other media outlets such as newsletters emphasize your conservation goals or programs?

Yes No

H. Renewable Energy

1. Does your school have any renewable energy systems?

Solar Photovoltaic

Wind

Geothermal

Solar Thermal

Other _____

2. Is renewable energy being taught in any of the classrooms?

Yes No