

ENERGY REDUCTION

CHALLENGE

Energy Scavenger Hunt



1. Meet with your school's Facilities Management staff and Administrators to review Operational Strategies and discuss which strategies your school may wish to pursue.
2. Take a tour of your school's mechanical room. Learn what type of heating and cooling system your school has.
3. Learn about the State of Minnesota's B3 Benchmarking Program and find out if your school is actively tracking their energy use with the program.
4. Find out if your school is already an ENERGY STAR® Partner.
5. Be on the look-out for ENERGY STAR® labels on appliances or equipment throughout your school. Document any ENERGY STAR®-rated equipment you find.
6. Look for leaky faucets in bathrooms, kitchens, or classrooms and report to Facilities Management.
7. Research the different types of light bulbs, learn which ones are most energy-efficient, and find out what kind of lights are primarily used in your school.
8. Find out if your school has any occupancy sensors (lights that turn on when motion is sensed and turn off when no motion is sensed for a set period of time).
9. Find out what temperature "setpoint" your school uses during school and non-school hours during both the heating and cooling seasons.
10. Estimate how many computers are in your school. It can cost approximately 1 cent per hour to power a computer that is left on when not in use. Use the following formulas to estimate how much money your school can save by shutting off all computers when not in use:

$$\frac{\text{_____}}{(\# \text{ of computers})} \times \$0.01 \times 16 \text{ hours} = \$\text{_____} \text{ Saved per Weekday}$$

(cost per hour) (non-school hrs)

$$\frac{\text{_____}}{(\# \text{ of computers})} \times \$0.01 \times 48 \text{ hours} = \$\text{_____} \text{ Saved per Weekend}$$

(cost per hour) (non-school hrs)