

## Energy Classroom Supplement

As you work towards greening your classroom by assessing the energy use in your school, you can use this classroom supplement to help you fill out your report card. This document can also guide your students in the certification process by providing opportunities for in-class activities, discussion, and data collection. This supplement is a resource for you and is NOT a required part of the program.

### Energy Conversion Tip

Use this conversion to help fill out the report card so that your energy data is consistently recorded. This way your information can be tracked and compared across other schools in Washington State.

| Energy Conversion Information |
|-------------------------------|
| 1000 BTU = 1 kBTU             |
| 1 kWh = 3.412 kBTU            |
| 1 Therm = 100 kBTU            |

### Questions to ponder:

1. Does your school have a policy of replacing bulbs with higher efficiency alternatives?  
 Yes  No
2. Are any exterior doors missing weather stripping or seals?  
 Yes  No

If yes, please note which ones.

3. Are exterior doors propped open during the day when the heater or air conditioner is operating?  
 No  Yes, some doors  
 Yes, most doors  Rarely

## Classroom Energy Audit

Students can use this audit to discover where unnecessary energy is being spent in their school. You can use this data to inform your Lasting Change in your report card.

| Room Name or Number: |  |            |        |            |
|----------------------|--|------------|--------|------------|
|                      |  | Yes or No? |        |            |
| Electricity          | Are lights turned off when not required (empty room/ sunlight)?                    |            |        |            |
|                      | Are computer monitors turned off or computers put to sleep when not in use?        |            |        |            |
|                      | Are printers, scanners, and other electronic equipment turned off when not in use? |            |        |            |
| Heating/Cooling      | Is the space around vents on walls or windowsills being blocked?                   |            |        |            |
|                      | Are windows closed when the heating or cooling is on?                              |            |        |            |
|                      | Are blinds closed at night for insulation?   |            |        |            |
|                      |  | Yes/No     | Number | Unplugged? |
| Appliances           | Copiers/ Printers/ Scanners  |            |        |            |
|                      | Computers/ Monitors  |            |        |            |
|                      | TV/ DVD  |            |        |            |
|                      | Space Heater   |            |        |            |
|                      | Portable Air Cleaner   |            |        |            |
|                      | Portable Fans  |            |        |            |
|                      | Coffee Pots  |            |        |            |
|                      | Ice Maker  |            |        |            |
|                      | Compact Refrigerator   |            |        |            |
|                      | Portable Humidifier  |            |        |            |
| Other                |  |            |        |            |

## Lighting

Learn about what type of lighting is used in different areas of your school and how is it controlled. You can use this information you gather to create a Lasting Change regarding the energy use in your school.

To fill out this table, please write “Yes,” “No,” or “N/A” when applicable.

| Area         | Type of Lighting (CFL/Incandescent) | Wall Switches? | Dimmer Switches? | Ability to turn off some, not all lights? | Motion detectors or photo sensors? |
|--------------|-------------------------------------|----------------|------------------|---|------------------------------------|
| Classrooms   |                                     |                |                  |   |                                    |
| Portables    |                                     |                |                  |   |                                    |
| Office       |                                     |                |                  |   |                                    |
| Restrooms    |                                     |                |                  |   |                                    |
| Cafeteria    |                                     |                |                  |   |                                    |
| Auditorium   |                                     |                |                  |   |                                    |
| Gym          |                                     |                |                  |   |                                    |
| Locker Rooms |                                     |                |                  |   |                                    |
| Hallways     |                                     |                |                  |   |                                    |
| Library      |                                     |                |                  |   |                                    |
| Stadium      |                                     |                |                  |   |                                    |
| Parking Lots |                                     |                |                  |   |                                    |
| Other        |                                     |                |                  |   |                                    |