

## Energy Facts

- 🌐 Before EarthCARE, 75% of computers were left on during the school days and some weekends when not being used.
- 🌐 The total savings potential is ~17 hours/day where the computers are only needed for a seven-hour day.
- 🌐 Recycling one aluminum can saves enough money to run a TV for 3 hours.
- 🌐 Turning down your central heating thermostat one degree cuts fuel consumption by as much as 10%.
- 🌐 Compact fluorescent light bulbs use 75% less electricity than regular light bulbs and last years longer. Replacing them can save 200 kilowatt hours per year, which translates into roughly \$20 per bulb.
- 🌐 An older, less efficient refrigerator running in the basement for occasional refreshments could cost you \$150 or more per year. Ask yourself if it is being well used.

## Water Facts

- 🌐 Canadians use, on average, 390 litres of water per day, about twice as much as the average European.
- 🌐 A tap that drips once every second wastes ~10,000 litres of water per year.
- 🌐 A five-minute shower with a standard showerhead uses 100 litres of water; a five-minute shower with a low-flow showerhead uses 35 litres of water!
- 🌐 A healthy human can go without food for a month, but will die in less than a week without fresh water.
- 🌐 About 97% of the earth's water is salt water.
- 🌐 If all of the earth's water could fit into a gallon jug, only a tablespoon of it (1%) would be fresh water.
- 🌐 2% of the earth's water is contained in glaciers and icecaps that are not readily accessible.

## Waste Facts

- 🌐 Canadians generate about 1.7 kg of waste per person per day. Per capita, this is about twice as much as in Sweden.
- 🌐 We use 50 million tons of paper annually, consuming more than 850 million trees.
- 🌐 Use of email causes an average 40% increase in paper consumption. The demand for reams of white paper is putting a huge strain on the world's forests.
- 🌐 The pulp and paper industry is the third-largest industrial polluter in both Canada and the United States, releasing more than 220 million pounds of toxic pollution into the air, ground, and water each year.
- 🌐 The cost of a truck to dump a garbage container and a recycling container are almost the same.
- 🌐 On average, a 10% reduction in recycling pickups would save a board ~\$5000 per year; a 10% reduction in garbage pickups would save ~\$17,000 per year.

- 🌍 If schools were to use the “recycling at home” concept (now in place at some of our schools), the board could save ~5% to 15% in recycling costs at each location.

### Computer Facts

- 🌍 Computers use a lot of energy. If a computer will not be used in the next 10 minutes, turn it off!
- 🌍 A 150-watt computer (one of the newest models) costs \$0.015/hour to operate. If a computer is on for 6 hours a day during the school year (194 days, no weekends), it would cost \$17.46/computer. Computers left on for 24 hours would cost \$69.84/computer for the school year.
- 🌍 Sometimes computers are inadvertently left on during the summer when no one is using them. Such a computer would cost an additional \$22.32 each year.
- 🌍 Similarly, a 250-watt computer (an older model) costs \$0.025/hour to operate. Left on for 6 hours a day during the school year, it would cost \$29.10/ computer. Left on for 24 hours, the cost is \$116.40/computer.

- 🌍 A 750-watt computer (really too old and expensive to be kept) costs \$0.077/hour to operate. Left on for 6 hours a day, it would cost \$89.63/ computer. Left on for 24 hours, the cost will be \$358.51/computer.

- 🌍 You may not be able to choose only the newest model for your computer, but you can still save dollars by choosing how you will operate them.
- 🌍 The HPEDSB and OCDSB have almost 30,000 computers – how much savings potential is that!
- 🌍 In Ottawa-Carleton, the LOCO campaign in 04/05 avoided a cost of \$1,083,118 for the district, equivalent to 10.1 tonnes of CO<sub>2</sub> emissions.



### Enviro Facts



**EarthCARE**  
See yourself making a  
difference!

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