

# EMF Fact Sheet

## Electric and Magnetic Fields, “Dirty” Electricity and Radio Frequency Fields

### ..... Electric and Magnetic fields (60 Hz) .....

#### Power Lines and Home Wiring



#### **EMFs have been linked to an increase in Chronic Diseases**

April 2002 – A major study conducted by the California Department of Health concluded “EMFs produced by power lines, home wiring and appliances ”can cause some degree of increased risk of Childhood Leukemia, Brain Cancer, Lou Gehrig’s Disease (ALS) and Miscarriages.”

<http://www.emfsolutions.ca/images/ExecSumm.pdf>

#### Transmission Towers



#### **Increased risk of Alzheimer’s and Dementia near Electricity Pylons**

November 2008 – A Swiss team found the risk of developing Alzheimer’s increases the longer people live next to electricity pylons. Anyone who lives within the immediate vicinity of high-voltage power lines for more than 10 years has a significantly higher risk of developing Dementia or Alzheimer’s.

<http://www.express.co.uk/posts/view/70485/Pylons-double-risk-of-dying-from-dementia>

### ..... ”Dirty” Electricity .....

#### Electronics and Computers



#### **Modern Electronics and Computers contribute to microsurgers of dangerous Radio Frequency radiation on our power lines, now referred to as “Dirty” Electricity**

According to a Canadian researcher, increasing levels of “Dirty” Electricity in homes and schools is contributing to increased rates of MS, Diabetes and ADD/ADHD and Asthma in children.

<http://www.osstf.on.ca/Default.aspx?DN=1c922d4d-9c75-4364-ab75-01973e2ec814>

#### Compact Fluorescent Lights (CFLs)



#### **Energy efficient CFLs and low voltage lighting create “Dirty” Electricity as they operate in the 25-100KHz frequency range**

January 2009 - After a Canadian news program aired a segment about the health concerns surrounding CFLs hundreds of Canadians wrote in saying these lights were making them sick. Health Canada is now investigating the bulbs for their UV and electromagnetic radiation emissions.

<http://www.dirtyelectricityfacts.com/news.php>

#### Dimmer Switches



#### **Dimmer switches also contribute to “Dirty” Electricity**

These modern technological devices “chop up” our 120-volt power supply inducing high levels of “Dirty” Electricity back into the building’s electrical system.

<http://www.dirtyelectricity.ca/Way%20to%20avoid%20EMF%20exposure.htm>

## ..... Radio Frequency Fields .....

### DECT Cordless Phones and Baby Monitors



### **Almost all Digital Cordless Phones (DECT) and Baby Monitors emit radiation full time**

January 2005- The German Federal Governments agency for Radiation Protection issued a health warning concerning DECT phones.

[http://www.emfsolutions.ca/dect\\_phones.htm](http://www.emfsolutions.ca/dect_phones.htm)

### Wireless Networks



### **Wi-Fi and other wireless technologies are some of the worst polluters**

December 2005- The Health Ministry in Salzburg, Austria issued a health warning concerning DECT phones and Wi-Fi and urged they not be used in schools and kindergartens.

<http://www.emfsolutions.ca/images/Salzburg%20bans%20wi-fi%20and%20DECT.pdf>

January 2007- Lakehead University, Canada banned the use of Wi-Fi on campus exercising the precautionary principle.

<http://policies.lakeheadu.ca/policy.php?pid=178>

### Cell Phones and PDAs



### **Increased risk of Brain Tumors with Cell Phones**

A study led by Anna Lahkola of the Radiation and Nuclear Safety Authority in Finland, found firm corollary evidence that using a cell phone causes the risk of getting a brain tumor called a glioma to rise by 40 to 270 percent on the side of the head preferred for using the phone.

<http://omega.twoday.net/stories/3371040/>

May 2009 – Thirteen nations have issued warning concerning the use of cell phones to persons under the age of 13; Canada is not one of these nations.

### Cell Towers



### **EMFs from Cell Towers have been linked to increases in Chronic Diseases**

September 2008 – the European Parliament voted 522 to 16 to encourage Member States “to take into account the Member States’ best practices and thus to set stricter exposure limits for all equipment which emits electromagnetic fields in the frequencies between 0.1 MHz and 300 GHz.”

<http://www.scribd.com/doc/13046064/Motion-for-a-European-Parliament-Resolution-on-Health-Concerns-Associated-With-Electromagnetic-Fields>