

THE TOWER FIGHT IS *NOT* OVER

WHAT YOU MUST KNOW

HOW THE AM RADIO TOWERS WILL AFFECT YOU AND YOUR FAMILY'S LIVES IF KRPI'S 5 ANTENNAS ARE BUILT IN POINT ROBERTS NEAR THE BORDER

- Recently published research concludes that "*continuous exposure to electromagnetic radiation would predispose an individual to the accumulation of DNA damage and the development of cancer*". These towers would be operating non-stop at maximum power (50,000 watts) 24 hours a day, every day, every night for as long as the towers are operational - potentially 50 years. (1)
- As of fall 2014 in Tsawwassen there were 3,270 school aged children (kindergarten to grade 12). This does not include infants, toddlers and preschool aged children.
- *Children are more vulnerable to electromagnetic radiation than adults.* (2) *This is a public health issue affecting the most vulnerable population, your children, and of course yourselves.*
- A large study done in South Korea concluded that "In this study, there was an *increased risk of lymphocytic leukemia among children* with higher levels of exposure to radio frequency radiation from nearby AM radio broadcasting (stations) than among children with lower levels of exposure". (3)
- A study done in Hawaii showed an *increased risk of childhood leukemia* within 2.6 km of the radio towers. (4)
- Vatican Radio is a collection of very powerful stations located in a northern suburb of Rome, Italy. In the 10 km area around the station, the *risk of childhood leukemia* was higher than expected for the distance up to 6 km from the radio station and there was a significant decline in risk with increasing distance. (5)
- The powerful electromagnetic radiation (EMR) from the proposed towers would travel through the air, along the ground and into our bodies. The skin effect depth is where the energy level of the EMR has 37% of the energy of the level at the surface. At 1550 kilohertz, in wet soil, the skin effect of the EMR penetrates 4 meters deep. *The skin effect of EMR penetrating your body is about 30 centimeters or 12 inches.* (6,7)
- *Disruption of your electronic devices will be a daily, ongoing and frustrating experience.* This blanketing interference will affect your phones (landlines, cordless, even some cells), computers, speakers of all kinds, hearing aids, baby monitors and much more. Even some baseboard heaters can have radio programming come through! Like to fall asleep listening to the radio? Expect to have AM static as well as KRPI programming intermittently coming through. Talking on the phone will be challenging as there will be background static. The US Federal Communications Commission (FCC) does not require broadcasters to fix these problems because *they mostly can not be fixed.* (8)

THIS IS AN IMPORTANT PUBLIC HEALTH ISSUE AFFECTING ALL OF US

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