Edie Barrett

RANDOM NOTES

The truth of the matter is, if I hadn't just had a concerning and very unpleasant experience with smart meters, emitting radio frequency radiation, the postcards for this meeting might have gone into recycling. I am now paying attention.

I have learned that we can find information that confirms our beliefs or biases. On one hand,

The estimated completion dates are 2030 or 2031.

Published by International Research Journal of Engineering and Technology (IRJET) in 2015, out of India, research by Anirdh Balaji

2.1. SHORT TERM HEALTH PROBLEMS: High power lines emit high levels of electromagnetic radiation. These hazardous man-made EMFs interact in a destructive way with natural electromagnetic fields that exists within human beings. They interfere with cell function, break DNA strands, and erode the immune system. These biological irregularities cause initial symptoms such as dizziness, fatigue, headaches, nausea, and digestive disorders. They often culminate in causing more serious disorders in children, pregnant women, and elderly people. 2.2. LONG TERM HEALTH PROBLEMS: Overhead high voltage power line causes ionization of air emitting trillions of corona ions into the air per second. These ions get attached to the aerosol particles of many types of carcinogenic air pollution like diesel exhaust, flame retardants in furniture, unintentional byproducts of industries, etc. The charged pollution particles are then carried by the wind up to 7kms downwind of the power line and deposit in the lungs at a significantly greater rate than uncharged pollutant particles. The analysis of corona effect risk shows that up to 400 excess cases of lung cancer mortality and 3000 excess cases of cardiovascular and respiratory illness and aggravated asthma may occur annually among 2.7 million people living within overhead high voltage lines.

research by Anirdh Balaji

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Evidence that Electromagnetic fields from high voltage powerlines and in buildings, are hazardous to human health, especially to young children Dr Neil Cherry 29th August 2001, revised 09-02 © Dr Neil Cherry 2002-2005 neil.cherry@ecan.govt.nz Department of Human Sciences Lincoln University New Zealand

New Zealand
Hence utility workers in the Substation and maintaining the powerlines are acutely and chronically at risk of serious health effects. People who live or work in the vicinity of the substation or the high voltage line are also significantly at risk, including children who will reside within the zone where the induced magnetic field is around 1 mG or higher. Every person is at risk of neurological effect from living, working or going to school in fields of 0.2 mG or more, a 22 % increase in suicide risk for example, Figure 24. This is a reduced melatonin-related effect and hence is also associated with increased depression and learning difficulties for children. This is especially true for nocturnal exposures because of reduced melatonin. Under these circumstances it is a common practice to set an achievable management guideline that will produce a significant reduction in health effects (but not zero health effects), Table 6, MFE (2000).

https://researcharchive.lincoln.ac.nz/server/api/core/bitstreams/7d07ed5e-0945-4b27-bdf2-15a9c7f1acd7/content

Environmental justice: A contrary finding for the case of high-voltage electric power transmission lines DANIEL WARTENBERGa,b, MICHAEL R. GREENBERGc AND GERALD HARRIS. From Nigeria

Environmental justice is the consideration of whether minority and/or lower-income residents in a geographic area are likely to have disproportionately higher exposures to environmental toxins than those living elsewhere. Such situations have been identified for a variety of factors, such as air pollution, hazardous waste, water quality, noise, residential crowding, and housing quality. This study investigates the application of this concept to

high-voltage electric power transmission lines (HVTL), which some perceive as a health risk because of the magnetic fields they generate, and also as esthetically unpleasing. We mapped all 345 kV and higher voltage HVTL in New York State and extracted and summarized proximate US Census sociodemographic and housing characteristic data into four categories on the basis of distances from HVTL. Contrary to our expectation, people living within 2000 ft from HVTL were more likely to be exposed to magnetic fields, white, of higher income, more educated and home owners, than those living farther away, particularly in urban areas. Possible explanations for these patterns include the desire for the open space created by the rights-of-way, the preference for new homes/subdivisions that are often located near HVTL, and moving closer to HVTL before EMFs were considered a risk. This study suggests that environmental justice may not apply to all environmental risk factors and that one must be cautious in generalizing. In addition, it shows the utility of geographical information system methodology for summarizing information from extremely large populations, often a challenge in epidemiology. Journal of Exposure Science and Environmental Epidemiology (2010) 20, 237–244; doi:10.1038/jes.2009.11; published online 8 April 2009

file:///C:/Users/ediep/Downloads/jes200911.pdf

Study of the influence high-voltage power lines on environment and human health (case study: The electromagnetic pollution in Tebessa city, Algeria) DIB Djalel1, *, MORDJAOUI Mourad2

https://www.researchgate.net/profile/Djalel-Dib/publication/270706984_Study_of_the_Influence_High-voltage_Power_Lines_on_Environment_and_Human_Health_Case_Study_The_Electromagnetic_Pollution_in_Tebessa_City_Algeria/links/552053410cf29dcabb0b43e1/Study-of-the-Influence-High-voltage-Power-Lines-on-Environment-and-Human-Health-Case-Study-The-Electromagnetic-Pollution-in-Tebessa-City-Algeria.pdf

New Zealand

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