

I am against the use of exposed or open line BPL. BPL poses a serious problem for any user of the HF Spectrum. This would include Amateur Radio Operators, Short Wave Listeners, Military and Transportation services. BPL drowns out many AM broadcast stations on the 550 KHz. to 1700 KHz. frequencies. The broadcasters will complain that they are not able to reach the current market with their advertising and programming.

For example, in Emmaus, PA, where BPL has been already been placed into service. Many listeners in Emmaus cannot hear KYW AM 1030 KHz. in Philadelphia, running 50,000 watts power. BPL also renders the HF spectrum useless to Amateur Radio Operators within 100 meters of the exposed BPL lines.

Currently Cable Services deliver similar services via "Closed Circuit" cables and fiber optics. Leakage of the Cable Services into the HF spectrum are severely dealt with by the FCC. Leakage of BPL into the HF spectrum will not even be a violation as open wire cannot suppress leaking of RF. If BPL is permitted, it should be only on shielded and filtered lines, similar to those required by the cable TV industry. RF signals are not supposed to escape from or intrude into the cable TV lines. Radio signals can coexist with cable signals even on the same frequencies. Havoc occurs when signals leak into and out of the cables. Are the BPL users going to establish replacements for the current amateur radio emergency communications stations?

Currently, we amateur radio operators frequently contend with noisy electric power lines, hardware, and transformers which interfere with our reception. The FCC *requires* the electric utilities to repair and clean up those lines. Our local electric utility, NH Electric Cooperative, is very cooperative, compliant, and helpful. Please do not allow any change by allowing "open wire BPL." During emergencies, how will we communicate?

One may assume that BPL might be off during emergencies. However, that interruption would be short lived. Moreover, few hams will be left to communicate. Without a usable spectrum, they will have abandoned the hobby and dismantled their stations. To damage the HF infrastructure of over 1 million licensed amateur radio operators, is to remove the backbone of emergency communications. The FCC must protect the non-commercial communications interests that invade the HF spectrum!

There are better ways to accomplish the same goal that the power industry is seeking. Satellite links and fiber optics provide a much more reasonable approach to providing for this assumed need. Moreover, BPL is a giant step backward - to the days of the broadband interference of spark gap transmitters. They were banned from the air for a good reason. Why recreate this nuisance for what constitutes a short term gain - and an incalculable long term loss?