

I wish to say that the Commission should tread slower on the business of BPL. Much more study is required to ascertain the real truth about the interference potential of BPL. Several organizations have filed comments stating that BPL can and will interfere with licensed services. This scares me.

I am involved with emergency communications with ARES/RACES in Winnebago County, Wisconsin. I am fearful that BPL will knock out the one backup communication system which is known not to fail. That system is amateur radio. This too will fail if BPL is allowed to prevail.

I ask that the commission to place stricter interference safeguards into the part 15 rules. I think that the standards for part 15 need to be tightened so the radiation from power lines is much lower and the transmission on power lines be allowed on frequencies higher than 10 GHz.

I think the mitigation of interference should be a strict process that should be resolved within one month or the BPL system would have to shut down till the interference is resolved. If the FCC needs to be involved with the interference issue, I think that clout should be given to the FCC to impose fines that are large enough to give the message to the power companies that interference will not be tolerated. Also, the FCC should be given the power though due process to put non-cooperative managers subject to sizeable prison sentences.

I also want to express my losses that I will experience with BPL, the loss of the ability to listen to Shortwave stations on the HF frequencies. Many SWL's such as myself will lose much pleasure listening to international broadcast stations.

I am very concerned with the harmonics generated by BPL. I fear that massive interference will be generated on VHF and UHF communications. I did not see any studies of this spectrum. Move slowly, so the mitigation will include this area also.

Last of all, I fear interference for the low television channels 2 through 5. As a viewer of DTV and NTSC, I foresee interference of to these television channels. This would especially true of DTV. Again, the receiving public is hurt.

Last of all, I am concerned with the nations security. Many of the governments communications channels are allocated within the 1.7 to 80 MHz area of spectrum. I fear that during emergency situations BPL will interrupt these essential communications. Will BPL shut off to accommodate these communications. I think not.

In conclusion, I believe the FCC needs to tread with rules with meat to enforce interference issues that develop with BPL. Many power companies look the other way with interference issues due to arcing. More clout needs to be given to enforcement, so the rules can be enforced. Make the power companies know that BPL interference will be dealt with quickly and harshly.

s/ Ernest R. Swanson, K9LO

