I am quite concerned that the large scale deployment of Broadband over PowerLines (BPL) may result in the loss of use of significant portions of the HF spectrum. The intention to load into the power lines with frequencies from 2 to 80 MHz will result in this system having the largest, most pervasive antenna system around. Even if the radius of radiation from each electric cable is only a few hundred feet, the US is networked with electric cable, and there will be few, if any, places which will be free from this plague of interference.

Deployment of this technology will hinder HF communications not only for hobby use, but also for homeland security tasks, both within and outside the amateur bands. BPL will impact military HF communications, the SHARES system, plus inhibit the ability of amateurs to provide backup long-distance communications.

Additionally, this use will also overlap with the low-band public safety users, and in my rural mountainous state, many public safety agencies including fire departments and our state police still operate on low-band because it is the only band which will allow coverage given our topography. I suspect that BPL will significantly impact on these users.

Unfortunately, this effect will not be able to be turned off if a need to use HF arises, as the BPL will become part of the infrastructure of data communications. This is a genie that will not fit back in the bottle once it is let out.

I hope these comments are helpful in your ongoing consideration of this proposal. Please feel free to contact me if you need further input. Charles L. Werntz III, WA3ZZU