

I am a retired employee of Hawaii Electric Light Company, Inc. (HELCO). I worked as the Electronic Shop Foreman for about 29 years. One of my jobs was troubleshooting power line interference. It is not an area of high priority.

I see in BPL, especially on open transmission and distribution lines, a very real potential for widespread destructive interference to Amateur Radio and other services.

Digital signals are by nature square wave type signals and by definition this means they are composed of the sum of all odd harmonics. Since Amateur radio operates on bands rather than individual frequencies, that means the chance of landing on one of the odd harmonics is very high.

During my employment I assisted the Information Services Division of HELCO. One of their desires is to increase speed. With BPL technology the maximum speed is limited. A much better way is to use fiber optics cable imbedded in the messenger wires. With fiber optics and multi-colored lasers, the speed potential is almost infinite. The downside is initial cost.

I urge you to forbid or at least highly discourage this technology.

Respectfully,  
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