

**Comments Concerning ET-Docket No. 03-104
Broadband Over Power Line Systems**

I strongly urge the Commission to reject broadband over power line (BPL) systems until the electric power industry can demonstrate to independent agencies that BPL does not provide interference to FCC licensed or authorized spectrum users as well as listeners to these services.

The investigation conducted by the Amateur Radio Relay League (ARRL) clearly demonstrates that BPL, as currently being tested, will render useless many current FCC licensed or authorized HF and low VHF services in the 2-80 MHz frequency spectrum, including (but not limited to):

- Local, state and federal government radio systems
- Military radio systems
- Maritime HF systems (at least the land based portion)
- Aeronautical HF systems
- Amateur radio
- Citizen band 27 MHz service
- Shortwave broadcasting
- TV channels 1-6
- Various business communication systems

Many of these systems are used during emergencies, as many of these services are decentralized and not dependent on centralized computerized control. Centrally controlled systems, such as trunked radio systems, the internet, wireless and land line telephone services are subject to failure during emergencies either due to infrastructure failures or overloading. If BPL is deployed in any large way, there will be, over time, a substantial atrophy of these non-centralized HF and low VHF radio systems, rendering them useless in an emergency.

As a shortwave radio listener and an amateur radio operator (amateur radio station KC4VG) living in an antenna restricted housing environment, BPL deployment would certainly render useless all of my inside (mainly attic) antennas and my receiving and transmitting equipment.

Japan has already halted deployment of BPL systems because of interference to RF spectrum users. I strongly urge the Commission do the same in this country.

Respectfully submitted,

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