



memo

Date: August 08, 2003

To: John Kennedy
FCC Office of Engineering and
Technology

From: Chris Furnari
Progress Energy Corporation

Subject: BPL Experimental License Six Month Status Report

Dear Mr. Kennedy,

Progress Energy Corporation submitted and was granted an experimental license for Broadband PowerLine (BPL) Communications on February 10, 2003. Progress Energy Corporation's file number is 0011-EX-PL-2003 and the call sign granted is WD2XCA. The experimental license was granted with special conditions. Under these special conditions, the licensee, Progress Energy Corporation, is required to submit a progress report every six months from the date of grant. The information contained within this document is the progress report for the first six months for our testing with Amperion and the BPL system ending August 10, 2003.

Progress Energy Corporation and Amperion worked jointly deploying a BPL system utilizing portions of the Progress Energy Corporation medium voltage distribution system in the Raleigh, North Carolina area. Individuals and companies were solicited to use and evaluate the BPL system installed in their area. These groups used the BPL system for Broadband Internet access at speeds comparable with, and in many cases exceeding, those available through DSL and Cable access systems. Progress Energy also worked closely with Amperion during FCC Part 15 compliance testing of their underground and aboveground equipment. Amperion contracted with Test Site Services, Inc. to perform Part 15B compliance on the deployed systems. The resulting EMI Test Report provided by Test Site Services, Inc. has been submitted as Test Number B03093 to the FCC for review. This report contains the results of testing conducted on the Progress Energy Corporation BPL system and the systems installed for Pennsylvania Power and Light in Allentown, PA and American Electric Power in Dublin, OH.

Please review this progress report and if any comments, concerns or information is requested contact Matt Oja, (919) 546-6992, matt.oja@pgnmail.com, William Godwin, (919)235-4104, bill.godwin@pgnmail.com or myself, (919) 235-4107, chris.furnari@pgnmail.com for further assistance.

Sincerely,

Christopher M. Furnari

- c. William Godwin
- William J. Murray, Jr.
- Matt A. Oja
- Tommy Pope
- Donnie Beard
- Joseph A. Shipp (file copy)