

PPL Electric Utilities, Inc.
Experimental License Application
Confirmation No. _____
File No. _____

Exhibit I

Narrative Statement

The applicant herein, PPL Electric Utilities, Inc. (" PPL EU"), is an affiliate of PPL Corporation (" PPL"). PPL is a public utility holding company and PPL EU is an electric utility that provides electric service to customers in Pennsylvania.

PPL EU is interested in the potential use of power line communications (" PLC") to provide needed communications to increase the reliability and efficiency of its own electric grid and to provide broadband Internet access to its electric customers. PLC technology is available from several vendors who are in various stages of compliance testing with respect to their equipment. Accordingly, in order for PPL EU to test and evaluate PLC equipment, AEC hereby applies for this experimental license.

Geographic area: The service territory of PPL EU in the state of Pennsylvania.

Frequency range: 1.7 to 30 MHz.

Time period: two years.

Number of units of equipment: up to 1,000.

Description of equipment: PLC equipment consists of PLC modems and couplers that are used to enable RF signals to travel over medium and low voltage electric distribution lines and over electrical wiring in customer premises. PLC modems convert standard Ethernet or USB protocol signals into radio frequency (RF) signals that can be transmitted over power lines. Couplers enable the RF signals generated by PLC modems to be transmitted to power lines without direct connection to the electric conductors.

Description of installations: PLC equipment will be deployed and tested in at one or more electric distribution grid locations within PPL EU service territory in Pennsylvania. Volunteer trial participants will plug supplied PLC modems into electric outlets in their homes or businesses and connect the PLC modem to their computer using USB or Ethernet cables. PPL EU and its vendors will use couplers to attach additional PLC modems to the electric distribution grid at points of interconnection with broadband

communications networks, at electric distribution transformers as repeaters, and in other locations on the power distribution grid where repetition of the signal may be necessary.

Description of technical tests: PLC equipment will be evaluated for both customer acceptability and FCC compliance. The performance of the equipment will be evaluated for customer acceptability as a means of sending and receiving broadband digital information over the Internet, comparable to presently available cable modem or DSL services. Such evaluation will include testing to examine the propagation characteristics of the PLC signal on the electric grid. The equipment will be operated under Section 2.803(e)(1)(I) of the Rules and compliance with Section 15.109(e) of the rules will be demonstrated. Compliance with Section 15.109(e) will be demonstrated by measurements taken in accordance with Section 15.31 of the Rules with particular attention paid to restricted bands described in Section 15.205.

Description of marketing tests: PLC access service will be offered at no charge to volunteer trial participants. Marketing information will be gathered regarding customer perceptions on ease of use and other system performance characteristics.

Applicable rule parts: The tests involve carrier current systems as defined in Section 15.3(f). In order to create representative network configurations, PPL EU plans to conduct tests on networks providing high-speed Internet service for up to 200 participants. This application requests approval for the use of up to 1000 units of equipment in order to account for multiple devices used on the electric distribution grid as described above.

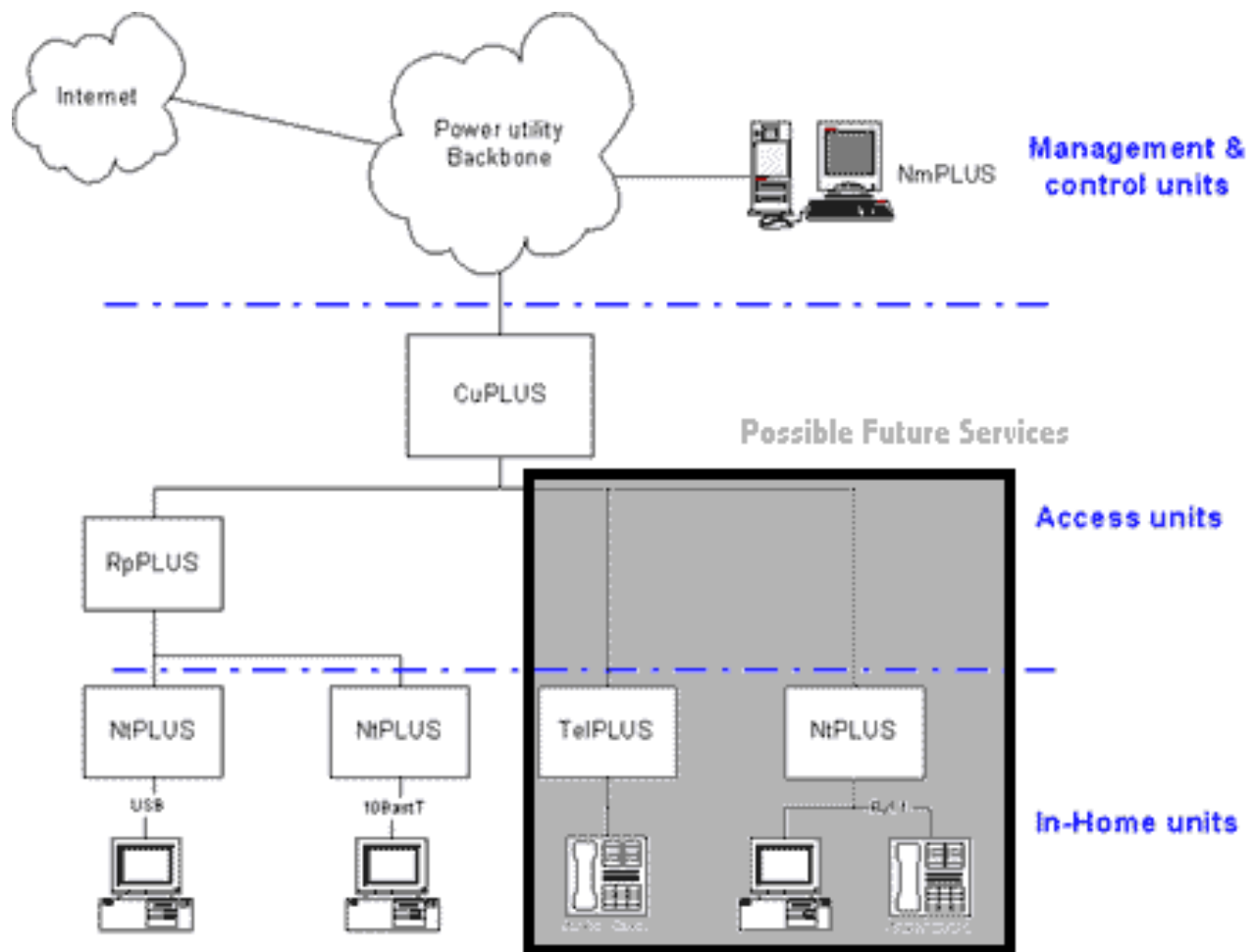


Diagram 1 (Typical Installation)