

Exhibit I

Narrative Statement

The applicant herein, Ameren Energy Communications, Inc. (“AEC”), is an affiliate of Ameren Corporation (“Ameren”). Ameren is a public utility holding company that through its affiliates provides electric and other services to customers in Missouri and Illinois. AEC is a qualified Exempt Telecommunications Company (“ETC”) under PUHCA.

Ameren is interested in the potential use of power line communications (“PLC”) to provide a more intelligent 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 Ameren to test and evaluate PLC equipment, AEC hereby applies for this experimental license.

Geographic area: The service territory of Ameren in the states of Missouri and Illinois.

Frequency range: 1.7 to 30 MHz.

Time period: two years.

Number of units of equipment: 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 inside electrical wiring in customer premises. PLC modems convert Ethernet 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 various electric distribution grid configurations. Trial participants will plug PLC modems into electric outlets in their homes or businesses and connect the PLC modem to their computer using USB or Ethernet cables. AEC 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 needed as repeaters.

Description of technical tests: PLC equipment will be evaluated for performance in two broad respects, customer acceptability and FCC compliance. The performance of the equipment will be evaluated for customer acceptability as a means of sending and receiving information using a

broadband Internet connection that would be comparable to cable modem or DSL service. Such testing will examine the propagation characteristics on the electric grid. The performance of the equipment also will be evaluated for compliance with the Commission's RF emissions limits for carrier current systems.

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. PLC modems will not be offered for sale to customers and will remain the property of the vendors participating in the tests.

Applicable rule parts: The tests involve carrier current systems as defined in Section 15.3(f). In order to create representative network configurations, AEC plans to conduct tests on networks providing high-speed Internet service for up to 100 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.