Section 13—Special Provisions and Equipment

13–1 Customer-Installed Capacitors

Customers installing capacitors to improve the power factor of their load must consult their company account manager for advice regarding supply system characteristics and essential coordination details.

13–2 Electric Fences

Due to the problems involved in the operation of electric fences, the company urges extreme care in selection of the electric fence system and close adherence to the standards for electric fence controllers (ANSI/UL 69). A direct connection to a fence, or a connection through resistance, reactance, or lamp bulb without an approved controller is not permitted. The controller, commonly called a fence charger, is required to regulate the amount and timing of the current through the wire. The fence charger and other equipment used must carry the label of the Underwriter's Laboratories (UL).

13–3 Computers, Solid-State Devices, or Other Voltage-Sensitive Equipment

The company will endeavor to supply voltage within an approximate 5.0% tolerance, but will not be responsible for damage to equipment or loss of data due to outages or voltage transients that exceed these limits. It is the customer's responsibility to provide and maintain protective interface equipment. Contact the company for further guidance.

13–4 Transient Surge Protectors

Transient surge protectors are available through distributors to help protect particularly sensitive customer equipment from low-energy transient surges.

13-5 Lightning or Surge Protection Systems

The company recommends the use of secondary surge arresters for protection of customer's equipment, where such additional protection is desired. Arresters must be connected on the load side of the main disconnect, not at the weatherhead.

Lightning rod systems, if desired, should be installed according to NFPA 78 "Lightning Protection Code." A bond between the lightning rod system down ground and the service neutral should not be installed. Refer to NEC Section 250-46 for spacing requirements. Spacing should be so arranged that the meter enclosure is not bonded to the lightning rod system down ground conductors.