

Information Request AG-6-18

**Request:**

Provide a detailed description of the Company's plan to complete the WAN expansion referenced in the Grid Modernization Plan (Updated), pages 68 through 69, and provide a link-by-link listing of costs including fiber or microwave construction and equipment costs. Also, provide the number of fiber pairs and expected bandwidth for each link.

**Response:**

This level of design has not been completed. The Company prioritized a list of the top 50 substations for expansion and developed experience-based cost estimates to reach them. The determination of which stations will become nodes on the SONET network and which stations may be spurs either via fiber or MW has not been completed. Part of the engagement with vendors upon approval of the Grid Modernization Plan is for the detailed design of the WAN network. Analysis will need to be completed to determine the overall topology of the WAN, the details of implementation for each station, and the schedule for deployment to those stations. The number of fibers used and the bandwidth for each link will be determined during detailed design and will be impacted by the availability at the time of existing fiber or leased fiber rights, how the stations tie into the existing network, and available bandwidth on the links elsewhere in the ring.