

After Action Review Recommendations for Transmission from Winter Storm Elliott (8/7/23):

- **Review and update as necessary the LG&E/KU Transmission Capacity Load Shedding Standard.**
 - Status: Complete, pending sign-off by Transmission, Distribution and Customer Services.
 - Description: Transmission and Distribution operations collaborated to redesign the manual rotational load shedding process meeting all regulatory requirements. In the previous approach, operators rapidly shed load from radial circuits by opening one breaker for each 69kv radial circuit, which had a significant impact on KU customers. The new coordinated load shed plan empowers Distribution operations to utilize SCADA, enabling more precise and controlled distribution load shedding as directed by Transmission operations. This enhanced plan allows for better distributed load shedding with increased granularity, minimizing the impact on major industrial customers based on criticality scores. The manual transmission load shed process remains in place as a backup, to be utilized only if DCC encounters any issues in rapid load shedding.
 - Reference documents: LG&E/KU Transmission Load Shedding Standard Rev. 1

- **Review and update as necessary the LG&E/Capacity and Energy Emergency Operating Plan.**
 - Status: Complete.
 - Description: The Companies' Capacity and Energy Emergency Operating Plan underwent a thorough review from both a compliance and operational perspective following the event. While some minor changes were suggested to enhance the document, no material changes were recommended.
 - Reference documents: LG&E/KU Capacity and Energy Emergency Operating Plan Rev. 8

- **Consider a defined LG&E/KU Power Conservation Alert Process/Program.**
 - Status: In progress.
 - Description: Following the December event, representatives from Transmission and Major Accounts engaged in discussions with the University of Kentucky and Corning Glass, seeking their feedback. Subsequently, Transmission, Power Supply, and Customer Services collaborated to develop a new Power Conservation Alert Process, and the initial document is currently undergoing review. To ensure its effectiveness, Transmission, Distribution, Power Supply, and Customer Services plan to conduct walkthroughs of potential scenarios on August 10. Once the process is fully vetted, we will coordinate next steps with Corporate Communications.

- **Develop and execute the necessary Corp Awareness Training for any New or Updated Transmission Operating Plans/Programs.**
 - Status: Complete, pending GridEx.
 - Description: T&D have developed tailored operator training for both Transmission Control Center (TCC) and Distribution Control Center (DCC), which includes in-person sessions and monthly simulations. Additionally, a table-top exercise for operators is scheduled to take place once all processes are thoroughly vetted. To conduct broader testing and evaluation, we will utilize the GridEx exercise.

- **Incorporate any New or Updated Operating Plans/Programs (Transmission & Other) into the 2023 GRID EX where they will be exercised.**
 - Status: In progress.
 - Description: One objective identified for the LKE 2023 GridEx is to integrate a capacity and energy emergency resulting in a load shed event. This exercise is scheduled for November 14, 2023.

- **Address all follow-up items that may result from the Distribution After Action Review, creating subteams as needed.**
 - Status: Complete.

- Description: We conducted a comprehensive review of conservation operations and alert processes in use by other utilities, incorporating best practices into our own procedures. Additionally, we provided training to transmission operators to ensure they are well-versed in the newly implemented processes.
 - Reference documents: LG&E/KU BA/TOP System Alerts and Conservative Operations Rev. 4
- **Routine Compliance Review of the Event.**
 - Status: Complete.
 - Description: We conducted a thorough compliance review with Corporate Compliance and Legal to assess the actions taken during Winter Storm Elliott, and no concerns were identified. Moreover, we met with investigators from FERC and NERC to review our actions and identify best practices, and they also expressed no concerns during the meeting. FERC has not issued a final report.

Referenced Documents:

- LG&E/KU Transmission Load Shedding Standard Rev. 1
- LG&E/KU Capacity and Energy Emergency Operating Plan Rev. 8
- LG&E/KU BA/TOP System Alerts and Conservative Operations Rev. 4