

QUESTION:

Please refer to Witness Prieto's direct testimony, page 6, lines 18-23. According to Witness Prieto's testimony, transmission line assessment studies indicate that, "by December 2018, the existing 115 kV transmission network between Baldwin, Bradford, and Columbia substations will not have sufficient capacity to provide reliable service to existing and proposed substation loads." Please provide the results of these studies, and the data on which they are based, in electronic form.

RESPONSE:

Please see Excel file provided with the results of these studies.

The data used to perform these studies are loadflow cases. These cases represent the best available information of all Power System components of Florida's Transmission System developed by the Florida Reliability Coordinating Council (FRCC). These Power System components include: forecasted loads, generation, new equipment, new and upgraded transmission lines and substations, and any additional transmission improvements from all the Utilities in Florida, members of the Florida FRCC. This data is updated and analyzed yearly to demonstrate that the transmission system within the FRCC Region remains adequate, secure, and reliable throughout the ten-year planning horizon and meets NERC compliance Standard requirements. The tool used to review and analyze this data is PSS^{TME}, a proprietary software program owned by Siemens Energy used by electrical transmission participants worldwide for simulating, analyzing, and optimizing power system performance.