

Presentation # 20

Presenter: John McDaniel, National Grid

Title: An update from the IEEE Distribution Reliability Working Group

Abstract

The IEEE Distribution Reliability Working Group (WG) is one of many groups within IEEE. It is in the Power & Energy Societies Transmission and Distribution Committee. Within the T&D Committee, it is in the Distribution Subcommittee. Within the Distribution Reliability WG there are several Task Forces. These Task Forces (TF) are: Reliability Indices, Catastrophic Events and Interruption Reporting Practices. In the past there have been Task Forces on Weather Normalization and Reliable Design.

The TF on Reliability Indices is in the process of updating IEEE Standard 1366, Guide for Electric Power Distribution Reliability Indices. The TF also performs an annual benchmarking that numerous utilities participate in. This benchmarking utilizes the 2.5 Beta Method to normalize the reliability indices and has been annual since 2003.

The TF on Catastrophic Days is evaluating whether changes are needed to the 2.5 Beta Method. Some very large events, such as the 1998 Ice Storm in the Northeast and Quebec or large Hurricanes, such as Andrew or Katrina, might skew the 2.5 Beta Method. This task force is analyzing data from the utilities that were affected by these large events and analyzing their effects on the 2.5 Beta Method and if any modifications are required. This work is ongoing.

The TF on Interruption Reporting Practices is in the process on developing an IEEE Standard. This standard is titled: Guide for Collecting, Categorizing and Utilization of Information Related to Electric Power Distribution Interruption Events. This standard is the result of several white papers that were written by this task force. It will also be a companion standard to IEEE Standard 1366.