

## **Presentation # 19**

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**Title:** The application of the IEEE 1366 standard in the calculation of utility reliability indices

### **Abstract**

Recent major events in North America, such as those caused by the Ice Storm of 1998, the August 2003 Blackout, Hurricane Juan in September 2003 and Hurricane Katrina in August 2005 have highlighted the problems associated with evaluating performance between utilities when these major events impact the electrical reliability of the system. Without the removal of such events from a utility's statistics, the variation in annual performance is too great to set meaningful targets.

The IEEE has developed a systematic and clear approach to segment these major event days. A clearer picture of a utility's reliability performance can then be provided to company executives and regulators. This presentation will provide an overview of the IEEE process for identifying and excluding these major event days from a utility's reliability performance data. Although this approach might not be the best method for all utilities, the process currently stands as one of the best and most adopted methods for major event day exclusion.