

#### **R8-40A SERVICE RELIABILITY INDEX REPORTING**

(a) Purpose. The purpose of this Rule is to establish standards for measuring and reporting distribution service reliability by electric public utilities that own and operate electric power distribution systems in North Carolina.

(b) Applicability. This Rule applies to Duke Energy Carolinas, LLC; Duke Energy Progress, Inc.; and Dominion North Carolina Power.

(c) Definitions. Unless otherwise provided for in this Rule, all terms used are as defined by the Institute of Electrical and Electronics Engineers (IEEE) in the most current IEEE Guide for Electric Power Distribution Reliability Indices 1366 (IEEE Standard 1366).

(d) Quarterly Reports.

- (1) Each electric public utility shall report service reliability data to the Commission on a quarterly basis. The data reported shall be submitted within 30 days of the end of each quarter and shall reflect SAIDI and SAIFI results for the preceding 12 months.
- (2) SAIDI and SAIFI shall be calculated in accordance with IEEE Standard 1366.
- (3) The reports shall include: SAIDI, with and without Major Event Days, and SAIFI, with and without Major Event Days.
- (4) Interruptions reported shall include all sustained interruptions, except those for Major Event Days.

(NCUC Docket No. E-100, Sub 138, 11/25/13)