

**CHAPTER 5  
ELECTRIC SERVICE****Authority**

N.J.S.A. 48:2-12, 13, 16, 25, 42 and 52; and 48:3-96.

**Source and Effective Date**

R.2008 d.57, effective February 14, 2008.  
See: 39 N.J.R. 3716(a), 40 N.J.R. 1684(a).

**Chapter Expiration Date**

Chapter 5, Electric Service, expires on February 14, 2013.

**Chapter Historical Note**

Chapter 5, Electric, was filed and became effective prior to September 1, 1969. Subchapter 4, Regulation for Residential Electric Underground Extensions, was adopted as R.1971 d.183, effective December 31, 1971. See: 1 N.J.R. 9(a), 3 N.J.R. 227(c). Subchapter 7, was adopted as R.1973 d.106, effective April 19, 1973. See: 4 N.J.R. 134(c), 5 N.J.R. 167(a). Subsequent revisions to Subchapter 7 were filed and became effective January 21, 1975, as R.1975 d.12. See: 5 N.J.R. 353(a), 7 N.J.R. 62(b). Subchapter 7 was repealed by R.1977 d.37, effective February 17, 1977. See: 9 N.J.R. 139(a).

Pursuant to Executive Order No. 66(1978), Subchapter 3 expired on April 23, 1984.

A new Subchapter 3, Meters, was adopted as R.1985 d.625 effective December 16, 1985. See: 17 N.J.R. 2237(a), 17 N.J.R. 2998(a).

Pursuant to Executive Order No. 66(1978), Chapter 5, Electric, expired on December 16, 1990.

Chapter 5, Electric, was adopted as new rules by R.1991 d.583, effective December 2, 1991. See: 23 N.J.R. 1519(a), 23 N.J.R. 3652(a).

Pursuant to Executive Order No. 66(1978), Chapter 5, Electric Service, expired on December 2, 1996.

Chapter 5, Electric Service, was adopted as new rules by R.1997 d.99, effective March 3, 1997. See: 28 N.J.R. 4080(a), 29 N.J.R. 786(b).

Subchapter 7, Interim Electric Distribution Service Reliability and Quality Standards, was adopted as R.2001 d.3, effective January 2, 2001. See: 32 N.J.R. 2980(a), 33 N.J.R. 123(a).

Chapter 5, Electric Service, was readopted as R.2002 d.314, effective August 21, 2002. See: 34 N.J.R. 1390(a), 34 N.J.R. 3234(a).

Subchapter 4, Regulation for Residential Electric Underground Extensions, was repealed and Subchapter 4, Extension of Electric Service, was adopted as new rules by R.2004 d.462, effective December 20, 2004. See: 36 N.J.R. 276(a), 36 N.J.R. 5928(a).

Subchapter 8, Vegetation Management (Tree Trimming) Standards, was adopted as new rules by R.2006 d.434, effective December 18, 2006. See: 37 N.J.R. 4385(a), 38 N.J.R. 5396(a).

Chapter 5, Electric Service, was readopted as R.2008 d.57, effective February 14, 2008. As part of R.2008 d.57, Subchapter 1, Scope and Applicability, was adopted as new rules; former Subchapter 1, Plant, was recodified to Subchapter 2; former Subchapter 2, Service, was recodified to Subchapter 3; former Subchapter 3, Meters, was recodified to Subchapter 4; former Subchapter 4, Extension of Electric Service, was recodified to Subchapter 5; former Subchapter 5, Uniform System of Accounts for Classes A and B Electric Utilities, was recodified to Subchapter 6; former Subchapter 6, Electric Transmission Lines, was recodified to Subchapter 7; former Subchapter 7, Interim Electric Distribution Service Reliability and Quality Standards, was recodified to Subchapter 8 and renamed Electric Distribution Service Reliability and Quality Standards; and former Subchapter 8, Vegetation Management (Tree Trimming) Standards, was recodified to Subchapter 9 and renamed

Vegetation Management, effective March 17, 2008. See: Source and Effective Date. See, also, section annotations.

Subchapter 9, Vegetation Management, was renamed Electrical Utility Line Vegetation Management by R.2010 d.018, effective January 19, 2010. See: 41 N.J.R. 2084(a), 42 N.J.R. 508(a).

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## SUBCHAPTER 1. SCOPE AND APPLICABILITY

**14:5-1.1 Scope**

(a) This chapter shall govern the operation of all electric distribution companies (EDCs) operating within the State of New Jersey.

(b) In addition to complying with this chapter, each EDC described at (a) above shall also comply with the applicable provisions of the Board's rules for all utilities at N.J.A.C. 14:3.

(c) For the purposes of this chapter, the act of any person, as defined at N.J.A.C. 14:3-1.1, acting on behalf of an EDC, shall be deemed to be the act of the EDC.

New Rule, R.2008 d.57, effective March 17, 2008.

See: 39 N.J.R. 3716(a), 40 N.J.R. 1684(a).

Former N.J.A.C. 14:5-1.1, Plant construction, recodified to N.J.A.C. 14:5-2.1.

**14:5-1.2 Definitions**

For the purposes of this chapter, the following words and terms shall have the following meanings, unless the context clearly indicates otherwise. Additional definitions that apply to this chapter can be found at N.J.A.C. 14:3-1.1.

“Annual System Performance Report” means an annual report containing the information requested in N.J.A.C. 14:5-8.7. This report is to be submitted to the Board by May 31 of each year.

“Benchmark” means the five-year average (2002-2006) of CAIDI and SAIFI or a value determined by the Board.

“Board” means the New Jersey Board of Public Utilities.

“Corrective action” means the maintenance, repair, or replacement of EDC or utility system components and structures to allow them to function with the proper degree of reliability.

“Customer Average Interruption Duration Index (CAIDI)” represents the average time in minutes required to restore service to those customers that experienced sustained interruptions during the reporting period. CAIDI is defined as follows:

$$\text{CAIDI} = \frac{\text{sum of sustained customer interruption durations per reporting period}}{\text{total number of sustained customer interruptions per reporting period}}$$

“Distribution circuit” means a three phase set of conductors emanating from a substation circuit breaker serving customers in a defined local distribution area. This includes three phase, two phase and single phase branches.

“Electric distribution company” or “EDC” means a company that has an electric distribution system and meets the definition of a public utility at N.J.S.A. 48:2-13.

“Electric distribution system” means that portion of an electric system which delivers electric energy from transformation points on the transmission system to points of connection at the customers' premises.

“IEEE” means a professional association for the advancement of technology, which was originally named the Institute of Electrical and Electronic Engineers. The IEEE is located at 445 Hoes Lane, Piscataway, NJ 08854. Further information can be obtained on the IEEE website at <http://www.ieee.org/portal/site>.

“Interrupting device” means a device capable of being reclosed whose purpose includes interrupting fault currents, isolating faulted components, disconnecting loads and restoring service. These devices can be manual, automatic, or motor operated. Examples include transmission and distribution breakers, line reclosers, motor operated switches, fuses or other devices.

“Interruption” means the loss of electric service to one or more customers. It is the result of one or more component outages, depending on system configuration as well as other events. See “outage” and “major event.” The types of interruption include momentary event, sustained and scheduled.

“Interruption, duration” means the period (measured in minutes, hours, or days) from the initiation of an interruption of electric service to a customer until such service has been restored to that customer. An interruption may require step-restoration tracking to provide reliable index calculations.

“Interruption, momentary event” means an interruption of electric service to one or more customers of duration limited to the period required to restore service by an interrupting device. Such switching operations by interrupting devices must be completed in a specified time not to exceed five minutes. This definition includes all reclosing operations which occur within five minutes of the first interruption. For example, if a recloser or breaker operates two, three, or four times and then holds within five minutes, the event shall be considered one momentary event interruption.

“Interruption, scheduled” means an interruption of electric power service that results when one or more components are deliberately taken out of service at a selected time, usually for