



POWER QUALITY
Customer Electric

10-01-10
ER 16-600-C
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USE: Provides Power Quality Specifications for Customer adherence.

PREVIOUS REVISION 04-01-05	ORIGINATED 06-94	PREVIOUS NUMBER ER 10-100 (02-94), ER 10-101 (02-94), ER 16-610 (06-94)
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LATEST REVISION: General Clarification and Revision.

REFERENCE: IEEE Standard 519, latest revision, NIPSCO Standard E 23-490, IURC Electric Service Tariff Original Volume Number 10. ANSI Standard C84.1, latest revision ANSI/IEEE Standard C57.110, latest revision, ANSI/IEEE Standard 141, latest revision, ITIC Curve, latest revision, Indiana Administration Code (170 IAC 4-1-19, 20,21), latest revision.

SPECIFICATIONS:

1. DEFINITIONS:

1.1 Company - NIPSCO.

1.2 Customer - Any Retail Customer who buys electric service and energy from NIPSCO.

2. ELECTRICAL CHARACTERISTICS AND EQUIPMENT REQUIREMENTS:

2.1 The Customer shall only install electric equipment that has the approval of the Company as being suitable for operation with the character of service designated and supplied by the Company, and the electrical energy must not be used in any manner to cause unreasonable voltage fluctuations in the Company's distribution or transmission system, or in the premises of other Customers. The Company may require the Customer to make such changes in their equipment, or of their use of the equipment, or to install such corrective equipment as may be necessary to eliminate fluctuating or unbalanced loads.

2.2 Customers shall abide by industry standards, ANSI/IEEE 519, ANSI/IEEE C57.110, ITIC Curve, or the IEEE/GE voltage flicker criteria, when operating their equipment. The Company may refuse or disconnect service to Customers for using electricity or equipment that adversely affects distribution or transmission service to other customers.

3. POWER FACTOR:

The Customer's power factor shall be in compliance with the Customer's current rate class and schedule.

4. IMPLEMENTATION:

4.1 All new Customers shall be subject to this Electric Power Quality Standard on their turn-on date.

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4.2 All existing Customers shall be subject to this Power Quality Standard, ER 16-600, per the IURC Electric Service Tariff, General Rules and Regulations applicable to Electric Service, Rule 21, *Description of Service to be Furnished*, Rule 31, *Notify Company before Increasing Load*, and Rule 36, *Customer's Equipment*.

4.3 Compliance:

- 4.3.1 The Company reserves the right to monitor customer's electrical characteristics to determine compliance.
- 4.3.2 Company shall record violations, notify Customers, and solicit compliance.
- 4.3.3 Failure to comply may result in termination of service.