



**SUBSTATION
MAINTENANCE**
Customer Owned

01-01-01
ER 19-925
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USE: To define the responsibilities for the maintenance of joint owned substation facilities.

PREVIOUS REVISION	ORIGINATED 01-01	PREVIOUS NUMBER
LATEST Revision: New Standard. Develop electric rules to define customer and company responsibilities per ES 18-400.		

REFERENCE: National Electrical Safety Code, ANSI C2-1997
Indiana Electrical Code/ National Electrical Code, 1999, latest revision
IURC Electric Service Tariff – General Rules and Regulations Applicable to Electric Service, latest addition.

SPECIFICATION:

1. GENERAL RESPONSIBILITY:

- 1.1 Safety - Safety of persons within the area in and around substations is of primary concern.
- 1.2 Access - Restrict the access to substations, to qualified persons only.
- 1.3 Power Quality - Utilization equipment shall be maintained to prevent operation at a low power factor.
- 1.4 Reliability - Suitable protective devices and equipment shall be provided and maintained, to prevent outages, power quality issues or interference with service to other customers.
- 1.5 Financial - If the customer's maintenance responsibilities are not met, upon notification from NIPSCO, they will be provided by NIPSCO at a cost to the customer.

2. RESPONSIBILITY OF CUSTOMER:

- 2.1 The customer shall inspect and maintain all customer owned facilities and equipment in good working order per NIPSCO standard ES 18-400.
 - 2.1.1 Grade and Stoning - maintain adequate cover layer and drainage.
 - 2.1.2 Fencing - repair as needed to maintain integrity.
 - 2.1.3 Foundations - maintain level support for equipment.
 - 2.1.4 Access Drive - to be kept clear and passable at all times.
 - 2.1.5 Vegetation - areas should be kept free of all plant growth.
 - 2.1.6 Clear Zones - trees trimmed and all vegetation controlled to safe limits.
- 2.2 The customer shall report all abnormal/ emergency conditions or customer equipment failures to their assigned NIPSCO dispatch center.

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3. RESPONSIBILITY OF NIPSCO:

3.1 NIPSCO to inspect and maintain all NIPSCO owned facilities and equipment within customer owned substations, in good working order per NIPSCO standard ES 18-400.

3.1.1 Transmission voltage transformers, are typically NIPSCO maintained.

3.1.2 Structures (Primary and Secondary), to be kept in good condition.

3.1.3 Primary Conductors are sized to load and maintained by NIPSCO.

3.1.4 Metering, owned, tested and maintained by NIPSCO.

3.1.5 Insulators should have contamination removed as necessary.

3.1.6 Lightning protective equipment shall be replaced as needed.

3.2 NIPSCO, when notified will respond appropriately based on the reported conditions.

3.3 NIPSCO will attempt to accommodate the customers needs when scheduling substation voltage safety outages or clearances required to complete customer maintenance.

3.3.1 Clearances are at no cost to the customer if prearranged during normal scheduled working hours.

3.3.2 If overtime is required to complete a clearance, the customer shall be charged the total of all costs incurred by NIPSCO. This charge includes the reporting, switching and return at the overtime or premium rate for all personnel and equipment.