

# Industrial Electrical Safety Services

A critical part of any industrial safety program are the standards and procedures for electrical safe work practice. Industrial safe work practices involve an array of issues including Personnel Protective Equipment (PPE), Lock-Out-Tag-Out (LOTO) procedures, job safety analysis and energized electrical safe work practices. Addressing these electrical safety concerns, industrial facilities must have a complete understanding of the hazards associated with their distribution system. The hazards of industrial electrical systems range from short circuit fault levels and equipment ratings, arc-flash boundaries for energized work and the required training and classification of qualified and non-qualified workers.

Pickering Associates has over 20 years of experience in providing electrical engineering services to industrial facilities for electrical safety services. Pickering utilizes SKM Power Tools™, a leading software package exclusively designed to model electrical distribution systems.

## SKM Power Tools Capabilities

- Short Circuit Calculations
- Equipment Evaluations
  - Arc-Flash Hazard Evaluations
  - Auto Coordination and Evaluations
  - Transient Motor Starting Analysis
  - Harmonic (HiWave) Studies
  - Unbalanced and Single-phase Studies
  - Produce NFPA 70E compliant equipment tags

⚠ WARNING	
TAG:	1RPA, HU-C
BREAKER:	CP-1RPA, HU-C
VOLTAGE HAZARD:	208 VAC
INCIDENT ENERGY:	9.78 cal/cm <sup>2</sup>
FLASH BOUNDARY:	67 in
ARC FLASH BARRICADE:	67 in
LIMITED APPROACH:	42 in
PPE CATEGORY:	Level 3
Label:	008 Plot Date: Feb 06, 2020

Other benefits of an SKM model is **Scenarios Modeling** which evaluates the effect of new equipment on the electrical system, providing insight on development strategies.

Pickering Associates also has extensive experience in providing industrial facilities with NFPA 70E electrical safe work practices training.

Whatever your electrical engineering safety needs, Pickering Associates can provide a total solution for a safe and NFPA 70E compliant facility.



Architects • Engineers • Surveyors

1.800.954.5305

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Required Procedure	Time
Electrical Safety Program Audit	Not to Exceed Three Years
Safety Related Work Practices	Not to Exceed Three Years
De-energized Work Training	Not to Exceed Three Years
De-energized Work Audit	Annual



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