



PIEPER ELECTRIC, INC. ON SITE ELECTRICAL SERVICE AND MANUFACTURING

## Why an Arc Flash Analysis is important to our customers?

An Arc Flash is the rapid release of incident energy from an electric source in the form of heat at any electrical source above 50V. The intense thermal energy can cause severe burns in just a fraction of a second. The temperature of an Arc Flash can reach approximately 35,000 degrees Fahrenheit, or about four times as hot as the surface of the sun. One of the major causes of electrical burns and death to workers is ignition of non-fire rated clothing due to an arcing fault.

An electrical shock can occur to anyone that works on or near electrical equipment. Shock hazards is one of the leading causes of injury in the workplace and can cause very serious injuries and even death. All it takes is as little as 100ma, at the right path, to cause death.

The effects of an Arc Flash and shock hazards can be devastating to your company and our customers. It can cost millions of dollars in facility damage, production loss, fines from OSHA, and most importantly the lives and safety of their employees.

Our team of highly skilled employees is equipped to provide the services necessary to help prevent your risk of this type of electrical hazard as long as people working on or near electrical equipment follow the safe work practices we can provide you with. We refer to this as our “Arc Flash Department”. We utilize the most advanced and sophisticated software available to perform Arc Flash Analysis, Short Circuit Studies and Selective Coordination Studies. Our field experience is the best around due to our electrical experiences in electrical work and installations. Our solutions are the best available in the industry.

The Arc Flash department here at Pieper Electric has been performing this invaluable service to our customers since 2003 throughout the United States. We also provide on-site classroom training on NFPA-70E and OSHA standards involving Arc Flash Hazards and Lock-Out/Tag-Out procedures to further ensure the safety to our customer’s facility and their employees. According to NFPA-70E, it is the responsibility of the owner of the electrical equipment to provide labels on your electrical equipment warning anyone that works on or near this equipment of the hazard involved.

This specialty service we provide is a great way to protect your people with the knowledge and proper PPE selection to make sure they will not get hurt. We would like the opportunity to partner with you to provide this service. Please contact Roger Porter at 414-788-4699 or [roger.porter@pieperpower.com](mailto:roger.porter@pieperpower.com)

Thank You,

Roger Porter  
Department Manager  
NFPA-70E Specialist

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*Pieper Electric, Inc is an Equal opportunity Employer functioning under an Affirmative Action Plan*

**SAFETY: Working Together For Tomorrow**