

# ARC FLASH

## ASSESSMENT & ELECTRICAL SAFETY PROGRAM

The potential for hazardous arc flashes from your equipment poses serious risk exposure. H&A just partnered with NEI Electric Power Engineering, Inc. to offer a program that protects your employees from injury and your organization from costly fines.

Our Arc Flash Risk Assessment and Electrical Safety Program is a low-cost method for establishing compliance.

### During our Arc Flash Assessment, we:

- Determine the potential for a hazardous arc flash in equipment that employees work on or near while the equipment is exposed and energized.
- Identify opportunities to reduce or eliminate as many potential arc flash hazards as possible.
- Determine the minimum safe working distance (arc flash boundary).
- Determine the appropriate Personal Protection Equipment (PPE) required to avoid a permanent injury from an arc flash.
- Implement arc flash hazard and electrical shock warning labels on electrical equipment.

### The Electrical Safety Plan includes:

- Updated one-line electrical drawings
- Short circuit study with recommendations
- Protective device coordination study with recommendations
- Recommendations to reduce arc flash hazard categories
- PPE requirements established and incorporated into your safety manual
- Arc flash labels and labeling compliant to NFPA and NEC
- Employee training for qualified electrical tasks
- Incorporation into AssuredCompliance training matrix

### COSTS

Program costs are dependent upon the number of electrical buses for evaluation, however complete program implementation for a mid-sized organization ranges between \$5,500 and \$8,000.

### Are You At Risk?

*“Lack of protective equipment for Republic Steel manufacturing plant electrician resulted in 1st and 3rd degree burns after an arc flash.*

*These injuries were avoidable. Republic Steel has a responsibility to make sure that its electric technicians are properly trained, equipped with, and using personal protective equipment to protect from arc flash.”*

**Total proposed penalties:  
\$147,000**

-OSHA News Release