

An Arc Flash is an electric discharge that travels through the air between conductors or from a conductor to a ground. The result is an explosion which can cause fires and serious harm to equipment and people.

An Arc Flash Study is an on-site evaluation of a workplace facility's electrical system that can help prevent an arc flash from occurring.



When Windemuller does an Arc Flash Hazard Calculation Study we are all about the details. Our trained technicians will perform detailed data collection which includes: equipment information, conductor sizes and lengths, fuse and circuit breaker information and settings, and any additional data that is needed to conduct a study specific to your facility. Once all of the data is collected, we use a software package (EasyPower or SKM) to perform a short circuit study and arc flash analysis, which calculate the potential danger at each piece of equipment.

We provide and apply arc flash labels to the equipment that summarize the available energy and protective clothing required to perform service while the equipment is energized. At the completion, a report is generated which summarizes the findings and provides recommendations to reduce hazard levels where possible. Windemuller also provides NFPA 70E safety training for facility staff to ensure OSHA compliance.

## BENEFITS

- Ensures your electrical system is safe
- Improves your electrical distribution system
- Documents the condition and possible safety and code concerns of the electrical system
- Documents all electrical system components
- Identifies proper level of PPE based on the study
- Validates and documents a safe work environment
- Meets OSHA requirements to protect employees who work on and around electrical equipment
- Can reduce insurance liability
- Fulfills periodic electrical evaluations required by law
- Arc Flash Surveys need to be done every 5 years