

# Avoid the Charge

## Arc Flash Risk Assessment



Completing a best-in-class Arc Flash Risk Assessment in-house requires time, engineering resources and power system analysis software to accurately calculate arc flash risk beyond general scenarios. In addition to the time spent to complete this assessment, simple miscalculations can lead to incorrect incident energy levels resulting in the improper use of Personal Protective Equipment (PPE).

Our Arc Flash Risk Assessment is performed by an engineer using power system analysis software, providing you with the tools and resources for success. From performing the risk assessment and printing the proper arc flash labels, to collaboration with your stakeholders and a detailed assessment report, our engineers help you to not only reach compliance, but maintain compliance.

### Process

- One of our engineers holds a kick off meeting that includes introductions with your internal stakeholders and a facility tour
- Our engineer collects and audits your arc flash data including identifying all electrical equipment, documenting conductor lengths and ampacities, documenting overcurrent protection device ratings and more
- Once all the data is collected, they enter the information into the power system analysis software creating an electrical system single-line diagram
- With all information in hand our engineer creates your risk assessment report and create the corresponding arc flash labels
- Once the report is complete, our engineer reviews your report and installs your arc flash labels

### What you receive

- Your updated Arc Flash Risk Assessment Report, including:
  - An electrical system single-line diagram modeled in power system analysis software
  - A fault current study
  - A protective device coordination study
  - Recommendations for improving arc flash safety and reducing incident energy levels
- Corresponding arc flash labels and label installation

### Protect your investment

- Ongoing updates to your assessment as your equipment and facility change. This support service is a more cost-efficient alternative to performing a new risk assessment when it may not be necessary. Price is determined on a per-case basis; inquire for more details.

## Arc Flash Risk Assessment Review



Once you have an assessment, you need to have it reviewed within 5 years. Brady provides an unbiased outside perspective into what you're doing well and where improvements are needed to stay compliant.

Our engineers allow you to proactively address arc flash by helping you keep your assessment up to date, maintain compliance and keep your employees safe.

### Process

- Provide Brady with a copy of your electrical safety program prior to arrival
- One of our engineers comes on-site to evaluate your current arc flash labeling, accuracy of previous arc flash hazard assessment input data, personal protective equipment (PPE) and more
- Our engineers then compile the audit information, prepare a review of the audit findings and recommend next steps for improving and sustaining your arc flash risk assessment

### What you receive

- A detailed review of your current arc flash risk assessment
- Noted errors found in your arc flash risk assessment
- Recommended corrective actions for a path forward to a safer and more compliant workplace
- The applicable OSHA regulation, or consensus standard (NFPA 70E)
- All project files are in a .prj format to make assessment reviews easier

### Did you know?

Assessment reviews must be performed within five years under NFPA70E. Don't wait, and avoid having to perform an entirely new assessment.