

## EXECUTIVE SUMMARY

### Electrical and Arc Flash Safety

### 1910 Subpart S and 1926 Subpart K

This document presents a brief overview and summary of the official written program. The official program is a comprehensive guide to assist District staff in complying with the requirements of the OSHA standard.

#### PROGRAM OBJECTIVE:

Establishes minimum standards to provide a workplace free of electrical hazards, prevent hazardous electrical exposures to personnel, and ensure compliance with regulatory requirements applicable to electrical systems such that energized electrical work is performed safely by qualified/trained electrical workers who are given safe work procedures, tools, protective equipment, and other controls.

#### PROCEDURES:

##### General Requirements

- The most important principle of electrical safety is to assume all electric circuits are energized unless each involved worker ensures they are not. Every circuit and conductor must be tested every time work is done.
- Employees must be familiar with and follow the work practices described in the written program, including the required training and use of appropriate PPE and tools.

##### Employee Training

- Workers near energized, or potentially energized electrical circuitry of fifty (50) volts to ground or greater, shall be trained. Training will include Lockout/Tagout procedures.
- Employee will receive training when initially assigned to the job and refresher training annually or when conditions change.
- ESG will coordinate and provide training using a qualified instructor.

##### Facility Assessments

- ESG will ensure that all District facilities have an electrical arc flash risk assessment conducted by a qualified person.
- Various types of equipment in District facilities shall be labeled with specific information indicating the presence of arc flash and shock hazard. See written program for details.

##### Requirements for Specialized Electrical Equipment, Wiring, and Environmental Situations

Refer to written program for specific requirements that apply to the following items:

- *Portable Electrical Equipment and Extension Cords*
- *Temporary Wiring*
- *Wet or Damp Locations*
- *Working with De-energized and Energized Equipment*
- *Lockout/Tagout Program*
- *Personal Protective Equipment: general requirements, types of, usage, maintenance*
- *Working Spaces surrounding Electrical Equipment: access distance, illumination*

#### RECORDKEEPING REQUIREMENTS:

##### Records:

- Maintained by ESG and available upon request.
- Contact Information: Environmental Services Group | Phone: 651.744.1800  
Web Site: <https://www.spps.org/Page/3470> | Email: [ESG@spps.org](mailto:ESG@spps.org)