

Workplace Safety: Avoid Common Electrical Hazards

Contact with or exposure to electricity is one of the leading causes of workplace fatalities. Follow these tips to avoid electrical injuries.

Overhead Power Line Contact

46% of all electrical fatalities are caused by contact with overhead power lines

57% of overhead power line fatalities were in non-electrical occupations



Always assume all lines are **live and dangerous**



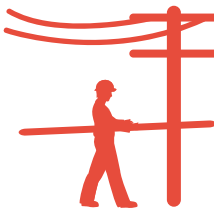
Always look up; **be aware** of overhead power lines



Keep yourself and equipment at least **10 feet away** from overhead power lines



Do not touch anything that is in **contact** with overhead power lines



Carry equipment, including ladders, **horizontally** to avoid contact with power lines



Stay at least **35 feet away** from downed power lines

Accidental Contact with Energized Conductors or Parts

45% of all electrical fatalities were caused by working on or near energized conductors or parts

74% of these fatalities were in electrical occupations



Always **test for voltage** before you perform work. Be sure to also test the area around the equipment you are working on to avoid accidental contact with energized equipment



Always perform a **site and risk assessment** before conducting work. Hazards exist on and near the equipment you are working on



When possible, **turn off power** before conducting work



Follow proper **lockout / tagout procedures**



Avoid **complacency**. Every job is different, make sure you **follow the hierarchy** of controls and other electrical safety work practices on every job

Electrical Safety in the Workplace

69% of all electrical fatalities involved **non-electrical occupations**



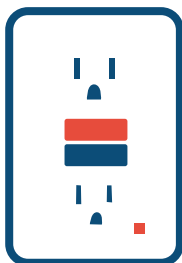
Know when to say when. If you feel unsafe performing a job, say something



Be aware of **potential electrical hazards** in the workplace. Avoid electrical rooms and other potentially hazardous areas



All electrical work should be completed by **qualified workers** with proper training



GFCI protection should be installed where **electricity and water** may come in contact

5 sources accounted for **92% of all electrical fatalities**

Overhead power lines



Unexpected contact with electricity



Working on energized parts



Ground fault



Damaged wiring



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