

Minimum Personnel and Equipment Requirements

Tools, Materials and Equipment

- Protective cover
- Rigging equipment
- Crimping and cutting tools (chainsaw fuel, bar and chain oil)
- Specialty equipment, such as primary and secondary voltage meters
- Climbing tools (belts, safeties, hooks and lanyards)
- Hot line tools (live line tools) and associated attachments to perform switching and grounding tasks, including Load Buster tool
- Portable protective grounds (only bucket trucks). All grounds must be accompanied by a tag with the company name, ground owner and contact information
- Reflective pole wrap with “Workers on line, Do not energize” or similar.”

Trucks

- Reliable/Mechanically and Electrically sound truck
- Traffic control devices (cones, signs, vests, flags, etc.)
- Ladder
- First aid kit
- Fire extinguisher
- Proper lighting to allow for safe work during low visibility

Personal Protective Equipment (PPE)

- Proper footwear
- Hand protection
- Head protection
- Hearing Protection
- Eye protection

- Fall protection
- Hazard Risk Category 2 Arc Rated clothing
- Hi-visibility clothing/vest
- Personal Voltage Detectors, or PVD's, are strongly encouraged

Seasonal

- Tire Chains when responding to events involving snow/Ice conditions
- Snowshoes (Optional, but strongly recommended)
- Appropriate additional clothing/accessories for anticipated weather (Insulated FR coat/bibs, helmet sunshade, water cooler)

Mutual Aid Crew Requirements

Tools, Materials and Equipment

Crews will need to be equipped with adequate protective cover, rigging equipment, crimping and cutting tools (chainsaw fuel, bar and chain oil) and equipment to work energized conductors and devices. Specialty equipment such as primary and secondary voltage meters as well as secondary rotation meters will also be needed.

Work may or may not be accessible to vehicles and equipment.

Crews must be prepared and equipped to work inaccessible/pole climbing locations to replace poles, transformers and other distribution hardware and equipment.

Climbing tools (belts, safeties, hooks and lanyards) are to be in good condition and must meet industry standards.

Crews should have an adequate supply of traffic control devices (cones, signs, vests, flags, etc.) to set up and properly maintain a work area. Additional traffic control devices will be supplied by the host utility.

Crews will need tools and/or equipment to interrupt primary voltage current (load break device). Any switch opened under load will be opened by means of a load break device. If no load break device is available contact your host utility representative.

Crews will need to be equipped with hot line tools (live line tools) and associated attachments to perform switching and grounding tasks.

Underground: Crews will need portable protective grounds to ground URD/UG devices/facilities. Portable protective grounds will be a minimum of 1/0 stranded copper and shall meet ANSI standards. All grounds you place must have a tag with company name, your name and contact information.

Trucks must be equipped with proper tire chains if weather permits. Trucks must be equipped with a first aid kit and fire extinguisher. Trucks must be equipped with proper lighting to allow for safe work during low visibility.

Personal Protective Equipment (PPE) and Rainwear

Each crew member will be equipped with the proper footwear, hand protection, head protection, Z87 minimum eye protection, fall protection and hearing protection which meets industry standards. **HRC2 is the minimum required flame resistant (FR) clothing.**

Crew members shall be equipped with rain gear and other PPE to work in flooded areas where raw sewage may be present. Crews shall be equipped to respond to and safeguard oil spills.

All PPE items must be “in date” and last the duration of the assignment. Purchase or replacement of PPE items shall be at the expense of the assisting company, not the host utility.

Mutual aid crews should be supplied with sun block or sun screen, insect repellent and first aid kits.

Protective Grounds

Homemade or hot line clamp grounds are prohibited from use. Crews shall have adequate grounds of not less than 1/0 stranded copper and enough to ground a three-phase distribution line, if necessary. Any grounds placed on lines and/or equipment shall be tagged with the appropriate tags, flags and hold cards. This should include company and employee name, date and contact information.

Crews who are not trained or equipped to create an equipotential (EP) ground zone shall wear rubber gloves rated for the voltage being worked.

Secondary grounding clusters are permitted for use and recommended on circuits of 600 volt or less.

Red tags for grounding identification to be provided by the host utility.

AT NO TIME WILL YOU REMOVE SOMEONE ELSE'S GROUNDS WITHOUT THEIR CONSENT.