



CITY OF SENECA

221 East North First Street
Seneca, South Carolina 29678
(864)885-2700 Fax: (864)885-2701

www.Seneca.SC.US

SENECA LIGHT & WATER POSITION DESCRIPTION – CLASS A LINEMAN

GENERAL PURPOSE

Performs skilled line work in the operation, maintenance and repair of overhead and underground electrical distribution systems; operates a variety of specialized related equipment and vehicles. Reports to the Electrical Superintendent. May serve as lead worker for a crew of line workers.

ESSENTIAL DUTIES AND RESPONSIBILITIES

Plans and initiates project. Establishes safety requirements.

- Verifies work to be performed with supervisor.
- Meets with crew at job site to discuss safety requirements.
- Notifies customers if power will be disrupted.
- Ensures that the crew has all safety equipment required to do the job.
- Loads all material and equipment needed for the job.

Sets poles and constructs other devices to hold electrical wire.

- Ensures equipment is grounded so job can be done safely. Checks to see if job can be done with “hot” or “cold” pole.
- Places rubber on all exposed wires that may come in contact with new pole.
- Ensures all other utilities have been located before digging hole.
- Digs pole hole and sets pole to specifications.
- Relocates old wire and material to new pole.

Strings new wire and maintains old wire. Installs and maintains transformers and other equipment.

- Blocks station and applies grounds where needed.
- Places rubber on exposed crossings.
- Grounds all pulling equipment.
- Ensures old wire is pulled out and in place.

Installs, repairs and maintains underground electrical distribution systems.

- Trenches in wire and sets up transformers and pads.
- Terminates dip poles, transformers, and switching cabinets.
- Trouble-shoots bad underground primary cable using thumper.
- Works with all phases of construction from specifications to completion of construction.

Installs, maintains and repairs traffic and outdoor lighting.

- Responds to work orders on street lighting overhead and underground wiring for lighting.
- Repairs and replaces all types of lighting such as mercury vapor, high pressure sodium, etc. Uses fault locating equipment for underground wiring.
- Trims trees where needed.

- Assembles and erects substations. Prepares job site and installs transformer, insulators, circuit breakers, capacitors, circuit switches, disconnect switches, high voltage fuses and voltage regulators.
- Performs skilled work in the constructing, reconstructing, maintaining and repairing electrical systems and equipment, including substation, distribution systems, transformers, and power lines; inspects, installs, services, troubleshoots and modifies high voltage electric distribution and related equipment.
- Performs skilled work in placing and removing crossarms, stringing wires, tapping wires, repairing crossarms and wires, placing and replacing insulators and setting transformers.
- Performs live line work as necessary to ensure safety and minimize power outages.
- Inspects, tests, calibrates and adjusts various controls or meters used in the electrical system to measure voltage, current, and resistance.
- Installs and maintains underground or overhead wiring systems as required.
- Provides temporary power connection for contractors.
- Installs and connects wire, meters and other electrical services on customer premises.
- Climbs utility poles using safety belt and climbers.
- Operates a variety of equipment and trucks, and the use of attached equipment such as power diggers, bucket truck, trencher, and derrick truck to construct, maintain and repair the electric distribution system.
- Conducts on-the-job training and directs crew activity in all live line maintenance and construction tasks.
- Maintains safety practices and procedures.
- Keeps inventory, time and material records, as assigned; stocks service vehicles as required.

PERIPHERAL DUTIES

- Ensures equipment is in proper working order.
- Responds to customer complaints.
- Performs other related duties as required.

DESIRED MINIMUM QUALIFICATIONS

Education and Experience:

- Graduation from high school or GED equivalent, and
- Five years' experience in construction or electrical maintenance; or
- Any equivalent combination of education and experience.

Necessary Knowledge, Skills and Abilities:

- Working knowledge of methods, materials and tools used in electrical distribution system maintenance work.
- Working knowledge of the occupational hazards and safety precautions of the trade. Considerable knowledge of the principles of electrical theory as applied to electrical circuits and wiring systems and ability to apply this knowledge to work situations. Knowledge of how circuits feed and where they can be blocked.
- Skill in operation of the listed tools and equipment. Skill in the application of first aid methods including artificial respiration. Skill in the reading and interpretation of electric schematics and one-line diagrams.
- Ability to follow proper methods, procedures and safety precautions of line work; Ability to understand and follow complex oral and written instructions; Ability to work under varying weather conditions.

SPECIAL REQUIREMENTS

- Valid State Driver's License or ability to obtain one, with CDL endorsement.;
- Must possess a Class A lineworker's license or certification;
- Certified to perform First Aid and CPR;
- Certified in Pole Top Rescue.

TOOLS AND EQUIPMENT USED

Motorized vehicles and equipment including pickup, dump truck, manlift, digger derrick, backhoe, chipper, pole climbing equipment, hydraulic press, wire cutters, heat sensors, electrical testing equipment, hot sticks, clamp sticks, generator, chain saw, line tracer, and various hand tools.

ESSENTIAL SAFETY FUNCTIONS

It is the responsibility of each employee to comply with established policies, procedures and safe work practices. Each employee must follow safety training and instructions provided by their supervisor. Each employee must also properly wear and maintain all personal protective equipment required for their job. Finally, each employee must immediately report any unsafe work practices or unsafe conditions as well as any on-the-job injuries or illnesses.

PHYSICAL DEMANDS AND WORK ENVIRONMENT

The physical demands and work environment described are representative of activities required and work environment encountered while performing the essential functions of this job. Reasonable accommodations may be made to allow individuals with disabilities to perform the essential functions.

- The employee is frequently required to stand; walk; use hands to finger, handle, feel or operate objects, tools, or controls; and reach with hands and arms. The employee is frequently required to sit; climb or balance; stoop, kneel, crouch, or crawl; talk or hear; Employee is occasionally required to taste or smell.
- The employee must frequently lift and/or move up to 25 pounds and occasionally lift and/or move up to 100 pounds.
- Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.
- The employee regularly works in outside weather conditions. The employee occasionally works near moving mechanical parts and in high, precarious places and is occasionally exposed to wet and/or humid conditions, fumes or airborne particles, traffic, toxic or caustic chemicals, risk of electrical shock, and vibration.
- The noise level in the work environment is usually moderate.

The duties listed above are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment to the position.

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.