



BRIGHAM CITY CORPORATION
Job Description
(Qualified Internal Applicants Only)

Title:	Apprentice Electric Line Worker	Code: 723, 724, 725, 726
Division:	Power Distribution	Effective Date: 7/99
Department:	Public Power	Last Revised: 5/2016

	GRADE	WAGE
Apprentice IV	73	\$37.85 per hour
Apprentice III	69	\$33.64 per hour
Apprentice II	65	\$29.44 per hour
Apprentice I	61	\$25.23 per hour

OPENED: November 23, 2021	CLOSES: December 3, 2021
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GENERAL PURPOSE

Performs a variety of **apprentice level, technical** duties related to performing and effecting power system installation, distribution, transmission, and maintenance.

SUPERVISION RECEIVED

Works under the general supervision of the Lead Electric Line Worker.

SUPERVISION EXERCISED

None.

ESSENTIAL FUNCTIONS

Conducts general technical analysis of line functions and operations as needed to anticipate and prevent line problems; makes recommendations for line specifications on new construction and circuit enhancements; prepares routine reports of activities; uses various equipment, tools, and vehicles in maintaining an electrical distribution system to assure against loss of service.

Performs construction, installation, maintenance and repair of substations, and circuits for overhead and underground powerlines; digs trenches and lays pipe for underground lines; assists in building new substations and maintains existing substations.

Performs connecting, installing, maintaining and repairing of energized overhead and underground power distribution and transmission lines; operates line trucks, line working apparatus and heavy equipment; digs pole holes and trenches, sets and frames poles; climbs poles, descends into vaults or trenches; strings lines; splices and sags wire on live or dead circuits; connects or disconnects transformers, cutouts, meters and guide wires, changes insulators on high voltage lines and taps into transmission lines; makes URD splicing and terminations; locates damaged lines and poles; trouble shoots power distribution equipment to determine problems; splices cables; repairs, sets and terminates transformers; conducts voltage and amperage checks and system tests ; replaces fixtures in crossarms; hangs insulators; replaces and repairs fuses, grounds, etc.

Responds to emergency calls, resolves power problems, and restores power outages; makes connections and disconnections for customers; informs public of pending outages due to repair; repairs streetlights, trims trees and removes other line obstructions; explains problems to public; requests cooperation during repair; uses various technical tools including crimpers, hot sticks, cutters, body belts, bucket truck, wire pullers, etc.

Assists to maintain inventory of instruments, meters, instrument transformers and related equipment, materials, and supplies.

Performs a variety of maintenance testing, calibration and repair on electrical instruments including single

phase, watt hour and demand meters, recording volt and amp meters, transformers, etc., used in electrical utility programs for testing equipment; tests and maintains equipment; determines cause of meter malfunction.

Tests personal protective equipment used in high voltage work, including rubber gloves, etc.; performs complex electrical maintenance projects on city buildings and facilities; runs power lines, installs breakers, installs main power boxes; installs and maintains plugs and related connections.

Performs miscellaneous duties affecting the overall delivery and quality of power services; including, line locations for underground system; pulls wire; completes terminations and performs shut-off's, utilizes rubber gloving methods; prepares rigging for poles; assists with electrical and GFI inspections; performs substation readings; performs permanent power and temporary power connections; responds to power outages.

Operates chipper; performs routine service on all trucks; conducts safety meetings; performs tree trimming; operates backhoe, boom trucks, bucket trucks, wire pulling equipment, dump truck, etc.

Performs other related duties as required.

Apprentice IV

Assists in building new powerlines; maintains and rebuilds old lines. Sets poles; climbs poles; hangs cross arms. Strings wires; slices and sags wire on live or dead circuits. Connects or disconnects transformers, cutouts, electric meters, guy wires. Changes insulators on de-energized high voltage lines and taps onto transmission lines. Repairs and replaces streetlights, trims tree branches. Digs trenches and lays pipes for underground lines. Uses a variety of tools and equipment in work performance including hot-line tools, line truck, bucket truck, backhoe and voltage and current test equipment.

Must have three (3) years of apprentice level experience.
Must fulfill required hours needed to advance to next level fulfill.
Must successfully pass the IPSA Apprentice III exam.

Apprentice III

Assists in building new powerlines; maintains and rebuilds old lines. Sets poles; climbs poles; hangs cross arms. Strings wires; slices and sags wire on live or dead circuits. Connects or disconnects transformers, cutouts, electric meters, guy wires. Changes insulators on de-energized high voltage lines and taps onto transmission lines. Repairs and replaces streetlights, trims tree branches. Digs trenches and lays pipes for underground lines. Uses a variety of tools and equipment in work performance including hot-line tools, line truck, bucket truck, backhoe and voltage and current test equipment.

Must have two (2) years of apprentice level experience.
Must fulfill required hours needed to advance to next level.
Must successfully pass the IPSA Apprentice II exam.

Apprentice II

Assists in building new powerlines; maintains and rebuilds old lines. Sets poles; climbs poles; hangs cross arms. Strings wires; slices and sags wire on live or dead circuits. Connects or disconnects transformers, cutouts, electric meters, guy wires. Changes insulators on de-energized high voltage lines and taps onto transmission lines. Repairs and replaces streetlights, trims tree branches. Digs trenches and lays pipes for underground lines. Uses a variety of tools and equipment in work performance including hot-line tools, line truck, bucket truck, backhoe and voltage and current test equipment.

Must have one (1) year of apprentice level experience.
Must fulfill required hours needed to advance to next level.
Must successfully pass the IPSA Apprentice I exam.

Apprentice I

Assists in building new powerlines; maintains and rebuilds old lines. Sets poles; climbs poles; hangs cross arms to wires. Strings wires; slices and sags wire on live or dead circuits. Connects or disconnects transformers, cutouts, electric meters, guy wires. Changes insulators on de-energized high voltage lines and taps onto transmission lines. Repairs and replaces streetlights, trims tree branches. Digs trenches and lays pipes for underground lines. Uses a variety of tools and equipment in work performance including hot-line tools, line truck, bucket truck, backhoe and voltage and current test equipment; Works

on voltages less than 300 volts, phase to phase, under direct supervision by a secondary or primary supervisor.

Must fulfill required hours needed to advance to next level.

MINIMUM QUALIFICATIONS

1. Education and Experience:

- A. Graduation from high school; plus, experience in specialized power distribution training provided through vocational college or professionally sponsored certificate programs;
- AND
- B. Experience performing above and related duties;
- OR
- C. An equivalent combination of education and experience.

2. Knowledge, Skills, and Abilities:

Working knowledge of general electrical engineering principles and practices; legal environment associated with power utility projects, construction and maintenance; modern methods, principles and practices of power transmission and distribution; operation of meters, gauges and instruments associated with electricity and electric power generation and distribution; metering equipment maintenance; equipment and materials used in construction and maintenance operations; current codes, standards, safety practices and principles involved in power utility operations.

Apprentice Skill in the use of various heavy equipment, hand and power tools crimpers, hot sticks, cutters, body belts, bucket truck, line truck, wire pullers, etc.

Ability to keep operating records and prepare reports; establish and maintain effective working relationships with employees, other agencies, and the public.

3. Special Qualifications:

Must become a certified journeyman power line worker within four (4) years from hire.
Must possess a valid state of Utah Class A Commercial Driver License (CDL) with tanker and manual transmission vehicle endorsements. Must obtain CDL within 90 days of hire.
Must maintain annual continuing education requirements related to licenses and certifications.
Must be first aid and CPR certified.
Must be willing to accept on-call assignments and respond within 20 minutes of notification.
Regular and reliable attendance.

4. Work Environment:

Incumbents of the position perform normally in an outdoor, physical environment. Tasks require variety of physical activities involving muscular strain, related to walking, standing, stooping, sitting, reaching, and lifting. Essential functions require talking, hearing, and seeing. Common and complex eye, hand, finger dexterity exists. Mental application utilizes memory for details, verbal instructions, emotional stability, discriminating thinking and creative problem solving. Daily travel required in normal course of job performance. Regular exposure to changing weather conditions and hazards common to high voltage power system.

NOTE: All Brigham City employees must successfully complete a pre-employment drug test and criminal history check following a conditional offer of employment.

Employees required to drive a motor vehicle as an essential job duty will be required to successfully complete a motor vehicle record (MVR) check following a conditional offer of employment.

HOW TO APPLY:

Complete and submit an employment application at the following web address:

<https://brigham.seamlessdocs.com/f/6w9iwoihhu22>

BRIGHAM CITY CORPORATION IS AN EQUAL OPPORTUNITY EMPLOYER