

## Copper Valley Telephone Cooperative

Position Title: Telecommunications Technician	Department: Plant
Reports To: Plant Superintendent	FLSA Status: Non-Exempt

### **General Summary:**

Installs, maintains and repairs customer premises equipment. Splices fiber cables and cuts terminals for new construction. Installs, maintains and repairs all types of cable facilities. Troubleshoots and maintains Central Office switching systems. Performs acceptance testing. Maintains and completes records, logs and reports as appropriate.

### **Essential Job Functions:**

- Installs, maintains, and repairs customer premises equipment. Installs drop wires, station protectors, and network interface devices, and performs initial wiring or rewiring for new subscriber systems.
- Splices fiber cables and cuts terminals for new construction. Installs, maintains and repairs all types of cable facilities.
- Troubleshoots and maintains Central Office switching systems. Queries system for status reports and trouble isolation.
- Ensures functionality of newly installed Central Office equipment by performing acceptance tests as appropriate.
- Maintains and completes records, logs, reports and as-built documents and forwards to appropriate personnel.
- Performs all other related duties as assigned by management.\*

\*These tasks do not meet the Americans With Disabilities Act definition of essential job functions and are usually less than 5% of time spent. However, these tasks still constitute important performance aspects of the job.

### **Knowledge, Skills, and Abilities:**

- Knowledge of OSP facilities, copper and fiber optic cables and conduit systems.
- Possess a thorough background and working knowledge of splicing, bonding and grounding of both copper and fiber telecommunications cables in accordance with RUS requirements.
- Knowledge of equipment used by CVTC in construction and maintenance of telephone plant.

- Knowledge of electrical circuitry, DC circuitry, ohms law, resistance, capacitance and induction.
- Knowledge of company policies and procedures.
- Knowledge of company products and services.
- Knowledge of digital and analog equipment and their application to the telephone plant.
- Skill in operating personal computer and MS Office software.
- Skill in oral and written communication.
- Skill in understanding electronic schematic diagrams, blueprints, drawings, sketches, scales and maps.
- Skill in operating an analog or digital volt-ohmmeter, cable locator, cable fault locator, and transmission test sets. Skill in interpreting the results.
- Skill in operating a wide variety of tools and work equipment.
- Skill in operating construction equipment including backhoe, ditchwitch, plows and other equipment used in the construction and maintenance of telecommunications facilities.
- Ability to communicate with customers, employees, consultants, contractors, suppliers, and various business contacts in a professional and courteous manner.
- Ability to travel.
- Ability to accomplish work in varying and often extreme climactic conditions.
- Ability to travel using various modes of transportation including trucks, single engine aircraft, snowmobiles, boats and ATVs.
- Ability to obtain and maintain a valid driver's license, Commercial Driver's License, and TWIC card.
- Ability to work overtime when needed.
- Ability to work independently.

**Education and Experience:**

High School diploma or equivalent plus four years (8,000 hours) of outside plant construction and maintenance experience.

**Physical Requirements:**

PHYSICAL REQUIREMENTS	0-24%	25-49%	50-74%	75-100%
Seeing: Must be able to distinguish various colors of wires and have excellent depth perception.				X
Hearing: Must be able to hear well enough to communicate with employees and industry contacts.				X
Standing/Walking: Must be able to use snow shoes in snow, mud, water and thick brush.			X	
Climbing/Stooping/Kneeling: Must be able to stoop, kneel and crawl to perform installations.			X	
Lifting/Pulling/Pushing: Must be able to lift and carry up to seventy-five pounds over rough terrain in all weather conditions.		X		
Fingering/Grasping/Feeling: Must be able to use hand tools and testing equipment.				X

**Working Conditions:**

This factor measures the surroundings or physical conditions under which a job must be done and the extent to which those conditions make the job disagreeable. Consider the presence and relative amount of exposure to dust, dirt, heat, fumes, contaminants, cold, noise, vibration, wetness, etc.

Somewhat disagreeable working conditions due to the continuous exposure to one or more of the elements listed above. Exposed to one element continuously or several elements occasionally, but usually not at the same time.

**Note:** The statements herein are intended to describe the general nature and level of work being performed by employees, and are not to be construed as an exhaustive list of responsibilities, duties and skills required of personnel so classified. Furthermore, they do not establish a contract for employment and are subject to change at the discretion of the employer.