

## **Communications Systems Technician**

### **New Hampshire Electric Cooperative**

#### **Plymouth, NH**

#### **EDUCATION:**

Successful completion of a secondary two-year training program for electronics or wireless communications or possession of an AA or AS degree.

#### **EXPERIENCE:**

Two years of experience that includes repairing and maintaining wireless communications equipment; or an equivalent combination of training and experience.

#### **ABILITIES AND SKILLS:**

Design, build, configure test and install or remove components of communications infrastructure. Read and use schematic diagrams to assemble interconnection components, cabling & equipment into a functional system. Create and maintain documents and records (including drawing – Visio preferred) of communication systems and their configuration.

Monitor and maintain total communications system to support company safety and reliability standards.

Able to interface effectively with outside service vendors to coordinate and monitor NHEC interactions.

Be flexible and able to handle varied work assignments and schedules.

Effectively troubleshoot equipment and network issues, implementing solutions using various pieces of test equipment such as spectrum and communication analyzers, cable sweep testers, watt meters, volt meters etc.

Must have a general understanding of IP networks, switches, routers, patch panels, cabling and fiber optics.

Must have a valid NH driver's license and be able to get a NHDOT-required medical card for the operation of certain commercial vehicles and be able operate off road vehicles and tow a trailer.

Must have computer skills, be organized, and able to effectively communicate and establish favorable working relationships with others as a team member and also be self-motivated to work independently with a minimum of supervision or guidance to resolve problems.

Must be physically able to work with your hands, bend over, lift up to 70 pounds and hike to remote mountaintop communications sites carrying a 50 pound pack.

#### **JOB KNOWLEDGE:**

Must have extensive knowledge of the principles of radio communications (i.e. microwave and two way), cellular and fiber optic technologies (theory and a practical understanding of electronics and network communications); with the ability to troubleshoot complex electronic systems.

Must be knowledgeable of principles of design, installation, operation, maintenance and support of wide area enterprise communication infrastructure including microwave, land mobile radio, fiber optic, Ethernet based IP networks and wireless Ethernet based backhaul communications systems. Knowledge of the electric utility industry preferred.

#### **WORKING CONDITIONS:**

Job entails considerable periods of walking over a wide range of ground conditions; from flat, hard and level to rough, rocky and steep, to thickly wooded and brush covered.

This position is subject to adverse weather conditions/hazards, and subject to work-related hazards while

performing the job within regular working hours and overtime. Occasional travel for work and training opportunities may be required.

Assistance with power and/or communications infrastructure restoration efforts is required of all employees. It may be required during regular business hours that employees will be assigned functions to support restoration and for some employees that may be different from their normal duties. In addition, such assistance may require working nights, weekends and holidays which may involve considerable extra hours. In order to meet this working condition, all employees are required to provide a personal phone number where they may be reached after hours. This number will only be used for internal purposes. Some occasional weekend work will be required for the routine operation and maintenance activities, particularly preventative maintenance activities during the spring and summer months.

**APPLY:** [www.nhec.com](http://www.nhec.com)

**EEO Employer F/M/Vet/Disabled**