

JOB DESCRIPTION
GREENEVILLE ENERGY AUTHORITY

POSITION: Outside Plant Technician

Reports to: Outside Plant Engineer	Department: Broadband and Technology
Date:	FLSA Status: Non-Exempt
Approved: Broadband & Technology Director	Pay Status: Hourly

SUMMARY OF DUTIES AND RESPONSIBILITIES

- Responsible for providing engineering support of the various outside plan infrastructures utilized by the network services
- Responsible for designing and maintaining fiber optic infrastructure and electronic facilities (Point of Presence locations, Central Office, Wireless Access Points) to include the DC Power systems, environmental monitoring, electrical grounding and card installations and replacement for fiber electronics.
- Assist with engineering, mapping, documentation and fiber construction of both new and existing service areas.
- Gather information for fiber optic layout design with consideration of pole make-ready requirements, attenuation loss, and node locations.
- Provide construction planning requirements for RFP bidding process of network build.
- Work in conjunction with various Greeneville Energy Authority departments, vendors, consultants, and other engineers to support the technical operation of the organization.
- Work with OSP Engineer to develop annual budget recommendations to management for tool requirements and expected special project costs.
- Plan and prepare drawings for construction/relocation of new or existing overhead or underground lines, cables, and conduits to obtain optimum and economical utilization of communications facilities.
- Analyzes traffic utilizations of existing networks and forecasts needs to determine new construction or redesign of the infrastructure.
- Prepare detailed construction and installation drawings, estimates equipment, labor, and material costs.
- Request materials and equipment required and direct work activities to ensure conformance with engineering specifications and work authorization.
- Initiates work authorization request and submits request with substantiating drawings and documents to management for approval.
- Assist in design and support of electronic facilities (POP, CO) include the DC Power systems, environmental monitoring, electrical grounding, and card installations and replacement for fiber electronics.

- Cross-train field personnel in regards to Fiber Plant and best practices standards.
- Communicate with customers, staff, peers, vendors, and other telecommunications partners.
- Schedule and complete maintenance work with vendors and other partners of IRU fiber.
- Build and construct outside plant projects and manage repairs for damaged fiber.
- Coordinate the work of Fiber crews and contractors in repair of fiber optic plant.
(Position has no authority in tangible employment actions including hiring, firing, promoting, reassigning significantly different tasks, or causing changes to benefits but may be involved in directing day-to-day operations of employees).
- Ability to maintain reliable, predictable and reasonable attendance.

REQUIRED OPERATION OF EQUIPMENT / OFFICE MACHINES

- Perform other duties as requested or assigned.
- Maintain a valid driver's license from state of residence.
- Available for afterhours work (subject to call outs and on-call rotation to include holidays, nights and weekends) which would include working fair share of all necessary overtime.
- Maintain vehicles assigned to Department.

MINIMUM EDUCATION REQUIREMENTS

- High School diploma or equivalent required;
- Degree in Electronics Engineering preferred; equivalent experience in OSP engineering may substitute for education.
- Two years of progressive experience in managing Fiber Optic network design, construction, maintenance and support.
- Prior specialized training, certifications, and experience in Broadband preferred.

SPECIAL SKILLS AND TRAINING REQUIRED

- Possess solid understanding of a FTTH Network in a retail offering environment, including backbone, distribution, drops, electronic components, cabinets, splitters, splice points, jumpers, huts, ONT's, hand holes, vaults and pedestals.
- Possess a working knowledge of fiber splicing, install procedures and QC procedures.
- Possess general knowledge of core electronics and headend functions and operations.
- Maintain knowledge of network protocols, maintenance, tools and equipment.
- Possess advanced computer skills and related software applications.
- Skilled in installing and configuring network services.
- Maintain current knowledge of FCC (Federal Communications Commission) testing and properly maintain all records and reports.
- Ability to troubleshoot problems with converged data, catv, and telephony networks.
- Possess and maintain a working knowledge of Passive Optical Networks, Wireless networking, structured wiring, LAN/WAN network design, Cable TV wiring, and Telephony service delivery.

- Maintain knowledge of current industry advances and techniques to ensure Greeneville Energy Authority utilizes the most efficient installation and support methods.
- Submit to background check at least every two years to maintain access to government facilities.
- Possess excellent communication and customer relations skills both verbal and written.

WORK ENVIRONMENT AND PHYSICAL REQUIREMENTS

- Ability to work in confined areas for long periods of time.
- Ability to climb poles/ladders safely.
- Ability to lift, carry, set-up, and take down ladders.
- Ability to lift and carry heavy objects up to 50 pounds.
- Location of work varies between an indoor climate-controlled office environment with appropriate lighting and outside in varying weather conditions on varying terrains.
- May also be exposed to noise, dust, dirt or various other particles and moving mechanical parts as you traverse throughout manufacturing facilities and/or various business settings.
- Some overnight travel required.

SUPERVISORY RESPONSIBILITIES

- No direct supervisory responsibilities

FREQUENCY AND NATURE OF BUSINESS CONTACTS

- Communicate with vendors and other telecommunications partners

FREQUENCY AND NATURE OF CUSTOMERS CONTACTS

- Communicate with customers as needed

ADDITIONAL NOTES

- Be a self-starter and take initiative to improve systems throughout all departments

These essential job functions are not to be construed as a complete statement of all duties performed. Since jobs tend to change over time, Employees will be required to perform other job related marginal duties as required without a formal update of the job description.

EMPLOYEE SIGNATURE

DATE

SUPERVISOR SIGNATURE

PRESIDENT & CEO