



Electrical Engineer

Alaska Power & Telephone is hiring for a full-time **Electrical Engineer** working out of a home-base location in Alaska or the Pacific Northwest.

AP&T is an employee owned, vertically integrated utility that independently owns and operates ten isolated power systems across a large expanse of Alaska. We incorporate hydro, solar and diesel resources to provide economic power to the communities we serve. As a small utility we offer a diversity of experience. We work together to safely integrate innovative new generation resources including renewables, address day to day operational issues, ensure power system stability, connect, and monitor industrial load centers power quality, pursue coordination issues, address regulatory requirements and other such tasks. The successful candidate will work to find their own relative strengths within our engineering staff and ultimately take leadership on a variety of projects.

Duties and Responsibilities:

- Develop engineering designs for generation, transmission, distribution, substations, SCADA, and automation equipment
- Design control and power circuits, draft outline and schematic diagrams, charts, data bases, and plans
- Provide operational support for operations of diesel, hydro and other plant facilities including non-working hours emergency troubleshooting if needed
- Address engineering design problems; investigate, analyze, and develop corrective action plans; draft reports and studies. Present information to utility staff outside of the technical group as needed
- Prepare standards, equipment specifications, RFPs, and material requisitions
- Perform equipment installation, testing, startup, modifications, upgrades, repairs, and documentation
- Prepare SOPs and safety procedures for facilities
- Provide review of existing facilities for NESC compliance and violation tracking
- Work with rest of technical staff in yearly budgeting and planning, project information organization and tracking

Required Qualifications:

- 2- or 4-year engineering or technical degree in a relevant area of study with 0-10 years of experience in the field
- Ability to self-motivate, manage time, plan projects, communicate with other team members
- Ability to safely identify hazards and work around electrical and mechanical equipment.
- Familiar with AutoCAD, Microsoft office and other similar basic computer tools
- Current passport and ability to travel to other locations, up to 25% of workload will involve travel, which is reduced if in or near AP&T served communities
- Mental flexibility, willingness to learn unfamiliar parts of the job and a positive attitude
- Must be able to pass a pre-employment drug test and background check

Desired Qualifications:

- Familiarity with utility and/or industrial equipment and design practices
- Familiar with isolated Alaskan communities and challenges of travel and planning projects in the region.
- Background in power generation and distribution systems
- Familiarity with outside distribution construction practices is a plus, but not required
- Knowledge of engineering design principles and engineering standards and codes applicable to electric utility

Interested? Apply online at:

<https://aptalaska.workbrightats.com/jobs/794911-176045.html>