BONNEVILLE POWER ADMINISTRATION
REASSIGNMENT OPPORTUNITY
INTEREST ANNOUNCEMENT BPA-25-IA-006

Electronics Engineer
For Classified position:
Electronics Engineer, GS-0855-12 and 13
Term Length: Permanent Reassignment
Number of Vacancies: Few

OPENS: 5/16/2025 **CLOSES: 5/30/2025**

POSITION LOCATION: Vancouver, WA; Spokane, WA; Snohomish, WA; Kent, WA; The Dalles, OR; Goshen, OR; Idaho Falls, ID; Kalispell, MT; Goldcreek, MT; Keizer, OR; Olympia, WA; Richland, WA; Pasco, WA; Umatilla, OR; Redmond, OR; Malin, OR; Clarkston, WA; Longview, WA; Grand Cooluee, WA; East Wenatchee, WA; Ellensburg, WA

WHO MAY APPLY: Career or career-conditional Department of Energy (DOE) and Bonneville Power Administration (BPA) employees currently at the GS-12 and GS-13 level or equivalent. There is no promotion potential with this reassignment and your resume will be considered at the grade you currently hold (GS-12 or GS-13 or equivalent).

NOTES: Relocation is **not** authorized. Occasional travel may be required. Low Risk or Moderate Risk background investigation may be required.

MAJOR DUTIES:
There are positions in field services and non-field services. Field Services is responsible for field switching operation and maintenance of Bonneville's high-voltage electrical transmission system to provide safe, reliable, and cost-effective service to customers. Non-field services is responsible for performing atypical or highly difficult professional engineering studies and assignments within the subject-matter or functional area assigned.

As an Electronics Engineer, you may:

- Plans and oversees preventative maintenance to ensure operability, reliability, security, and compliance with BPA and other regulatory agency policies, standards, directives, and guidelines.
- Serves as a consultant and lead advisor on assigned PSC assets integrating state of the art digital communications systems within systems containing obsolete analog systems.
- Conduct engineering analysis of various alternatives/conflicting issues to meet operational and maintenance objectives.
- Create policies, procedures, standards, and plans for new technology based on operational equipment.
- Independently investigates and resolves problems and conditions in PSC systems impacting costs, efficiency, safety, and performance.
- Perform long-range studies of the telecommunications system composed of radio and fiber for adequacy of capacity.
- Design, develop and maintain system documentation for the operational telecommunication system.
- Prepare or assure the preparation of preliminary design studies, design memoranda, final design calculations and plans, technical specification provisions and labor and materials estimates.
- Discuss or consult with both internal and external planners, evaluators, and engineers or other subject matter experts.

Qualifications:

A. Degree: Engineering. To be acceptable, the program must: (1) lead to a bachelor's degree in a school of engineering with at least one program accredited by ABET; or (2) include differential and integral calculus and courses (more advanced than first-year physics and chemistry) in five of the following seven areas of engineering science or physics: (a) statics, dynamics; (b) strength of materials (stress-strain relationships); (c) fluid mechanics, hydraulics; (d) thermodynamics; (e) electrical fields and circuits; (f) nature and properties of materials (relating particle and aggregate structure to properties); and (g) any other comparable area of fundamental engineering science or physics, such as optics, heat transfer, soil mechanics, or electronics.

-OR-

B. Combination of Education and Experience -- college-level education, training, and/or technical experience that furnished (1) a thorough knowledge of the physical and mathematical sciences underlying engineering, and (2) a good understanding, both theoretical and practical, of the engineering sciences and techniques and their applications to one of the branches of engineering. The adequacy of such background must be demonstrated by one of the following:

1. **Professional Registration or Licensure** -- Current registration as an Engineer Intern (EI), Engineer in Training (EIT), or licensure as a Professional Engineer (PE) by any State, the District of Columbia, Guam, or Puerto Rico. -OR-
2. **Written Test** -- Evidence of having successfully passed the Fundamentals of Engineering (FE) examination or any other written test required for professional registration by an engineering licensure board in the various States, the District of Columbia, Guam, and Puerto Rico.-OR-
3. **Specified Academic Courses** -- Successful completion of at least 60 semester hours of courses in the physical, mathematical, and engineering sciences and that included the courses specified in the basic requirements under paragraph A. The courses must be fully acceptable toward meeting the requirements of an engineering program as described in paragraph A.-OR-
4. **Related Curriculum** -- Successful completion of a curriculum leading to a bachelor's degree in an appropriate scientific field, e.g., engineering technology, physics, chemistry, architecture, computer science, mathematics, hydrology, or geology, may be accepted in lieu of a bachelor's degree in engineering, provided the applicant has had at least 1 year of professional engineering experience acquired under professional engineering supervision and guidance. Ordinarily there should be either an established plan of intensive training to develop professional engineering competence, or several years of prior professional engineering-type experience, e.g., in interdisciplinary positions. (The above examples of related curricula are not all-inclusive.)

SPECIALIZED EXPERIENCE REQUIREMENTS: A qualified candidate's online application and resume must demonstrate at least one year of specialized experience equivalent to the next lower grade level GS-11 or GS-12 in the Federal service.

HOW TO APPLY: Supervisor approval is required prior to applying to this announcement. Applicants should submit their resume listing relevant experience, education; and brief description of the knowledge, skill and abilities possessed that will enable the successful performance the duties of this position, and current SF-50 (the SF-50 must show current grade, otherwise it will not be accepted) to BPAIA@BPA.GOV by 11:59pmET on closing date.

In the subject line of the email application please include announcement number “BPA-25-IA-006”. Please indicate the specific location(s) in which you are interested.

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SUPERVISOR'S ACKNOWLEDGEMENT

INTEREST ANNOUNCEMENT *(*BPA-25-IA-006*)*

I acknowledge that ____________________________________ has requested consideration for this position. I understand this assignment is a permanent reassignment.

I am willing to consider approving the reassignment.

Supervisor's Signature __________________________________ Date: ___________________

Supervisor's Title: ______________________________________ Routing: ________________