

INTEREST ANNOUNCEMENTS



BONNEVILLE POWER ADMINISTRATION
DETAIL OPPORTUNITY
INTEREST ANNOUNCEMENT FY25-TPR-001

Electrical Engineer

For Classified position J08737 GS-0850-13

Full-time for 120 days

Number of Vacancies: 1

OPENS: 06/06/2025

CLOSES: 06/15/2025

POSITION LOCATION: TPR, Vancouver, WA

WHO MAY APPLY: Any Bonneville Power Administration employee with current competitive career conditional/career status currently at the GS-12 or GS-13 (or equivalent) grade levels are encouraged to apply. This is a non-competitive temporary promotion or detail NTE 120 days. Employees will need to confirm they have their supervisor's approval when applying for the non-competitive temporary promotion or detail.

Employees who have non-competitively served a total of 120 days in a temporary promotion or detail to a higher grade within the preceding 12 months are not eligible for a higher-graded opportunity. Contact Pearl Phadungcharoen at pkphadungcharoen@bpa.gov if you have questions regarding your eligibility.

NOTES: A successful candidate will be detailed or non-competitively temporarily promoted to the position of Electrical Engineer, GS-0850-13. Selection from this interest announcement is subject to the requirements of applicable employment practices. Any promotion associated with this announcement will be subject to the following:

- When an employee already holds the same grade or higher as the position of interest on a permanent basis, then the detail may be made for a period up to one year, in 120-day increments. When appropriate, details may be extended for an additional year, in 120-day increments.
- When an employee holds a lower graded position or is in a position with lower-graded promotion potential than the position of interest, he/she is prohibited from serving in a higher-graded position for more than 120-days in a 52-week period. The action may be processed as a detail or non-competitive temporary promotion at management's discretion. Employees selected for a non-competitive temporary promotion must meet time in grade, experience, and any minimum education requirements specified under Special Skills & Abilities below. Those who do not meet the time in grade or qualifications requirement(s) may be eligible to accrue experience during a detail. Non-competitive temporary promotions or details to a higher grade may not be extended or made permanent.
- The employee will be returned to his/her permanent position of record (i.e., position prior to detail or temporary promotion) upon completion of the detail or temporary promotion opportunity.
- Temporary promotions and details may be terminated at any time based on the needs of management.

GENERAL INFORMATION: The incumbent will report to *Andrew Christensen, Supervisory Electrical Engineer*

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The TPR organization has responsibility for the Facility Rating Program and manages systems and processes by which BPA Transmission enhances performance, reliability, and sustainability of assets and the grid. Facility Ratings directly impact the commercial inventory for transmission sales and Operational capabilities. This organization works to increase the effectiveness of Transmission Assets, reliability of agency reporting, and the efficiency of Facility Rating systems. Facility Rating Program elements include Transmission wide responsibility for rating methodology, reporting, data standardization, and collaboration across the agency; NERC/WECC reliability standards and compliance; direction and oversight of all other Facility Ratings.

MAJOR DUTIES:

Serves as the engineering SME in technical review of Facility Ratings processes, standards, and transmission asset data. Working with BPA's newest GIS system (ESRI Utility Network) and its stewards to make engineering determinations required for accurate power system modeling and reporting. This role uses technical engineering knowledge to establish, perform, and monitor quality control (QC) and quality assurance (QA) measures required for Facility Ratings implementation and facilitates the validation, and coordination of asset information and power system modifications through the capital project lifecycle. It also provides engineering consultation and expertise for the larger Facility Ratings program. Including the formulation and development of BPA standards and methodologies, the application of Compliance requirements and their impacts on the Bulk Power System, and the interpretation of prints, schematics, and design documentation.

SPECIAL SKILLS & ABILITIES:

BASIC REQUIREMENT:

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

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prior professional engineering-type experience, e.g., in interdisciplinary positions. (The above examples of related curricula are not all-inclusive.)

For more information on how to meet the Basic Requirements please visit: [Professional Engineering Position Individual Occupational Requirements](#)

SPECIALIZED EXPERIENCE REQUIREMENTS:

Applying electrical engineering theories, principles, concepts, standards, and methods applicable to 1) high voltage transmission systems, as well as knowledge of standards applicable to transmission systems materials, equipment, design, construction, and project management, 2) applying NERC and WECC regulations, standards and methods on projects and studies to identify and develop solutions and 3) provide guidance to other technical specialists on mission of Transmission Services.

HOW TO APPLY: Complete a brief memorandum of interest giving a description of your relevant experience and reasons for applying for this detail. Submit your memorandum, along with the completed supervisory acknowledgment statement below by close of business 06/14/2025 to: Andrew Christensen at alchristensen@bpa.gov. Do NOT submit a resume.

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SUPERVISOR'S ACKNOWLEDGEMENT

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I acknowledge that _____ has requested consideration for this position. I understand this assignment is a detail *(not to exceed or duration, part-time or full-time)*.

I am willing to consider approving the detail and understand the *(salary and/or FTE)* for the duration of the detail will be funded by *(indicate which organization will carry the FTE or fund the salary, or if either of these are negotiable)*.

Supervisor's Signature _____ Date: _____

Supervisor's Title: _____ Routing: _____