BONNEVILLE POWER ADMINISTRATION
REASSIGNMENT OPPORTUNITY
INTEREST ANNOUNCEMENT BPA-25-IA-003

Mechanical Engineer
For Classified position:
Mechanical Engineer, GS-0830-12 and GS-0830-13
Term Length: Permanent Reassignment
Number of Vacancies: Few

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

POSITION LOCATION: Portland, OR; Vancouver, WA; Spokane, WA; Seattle, WA; Idaho Falls, ID; Walla Walla, 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:
As a Mechanical Engineer, you may:

- Collaborate, coordinate, and work in conjunction with other organizations across BPA.
- Lead cross-functional teams.
- Provide expert technical leadership across a variety of services and support including senior project management, energy efficiency engineering expertise, analytical and consulting services to internal and external clients.
- Oversee the implementation of the project on a daily basis.
- Serve as a technical lead and/or highly knowledgeable technical specialist and nationally recognized technical expert in energy efficiency, integrated demand-side management, conservation acquisition and experts in end use of electricity.
- Plans and coordinates feasibility studies for extensive modifications of major mechanical systems, equipment, or facilities associated with high-voltage power generation and transmission systems.
- Serve as the SME for mission critical and business critical facilities in order to ensure site uptime and reliability of BPA's critical operations in Transmission and Corporate business lines.
- 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-003”. Please indicate the specific location(s) in which you are interested.

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SUPERVISOR'S ACKNOWLEDGEMENT

INTEREST ANNOUNCEMENT *(*BPA-25-IA-003*)*

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: ________________