

Mechanical Engineer II

Tracking Code 1807

Job Location Boise, ID

Salary \$70,657 – 85,092 (exempt)

Application Deadline 06/12/2012 (5:00 p.m. MST)

Job Description

Under limited supervision, in a team environment the successful applicant will provide mechanical engineering services to the Power Production Department. These services will include operation, maintenance and construction engineering support of hydroelectric and combustion turbine generation facilities, and construction management services for plant betterment projects.

The successful candidate will perform a variety of duties and tasks, including:

- Providing mechanical engineering design, analysis and study functions for hydro electric and combustion turbine equipment.
- Evaluate generator mechanical performance, including rotating machine dynamics, bearing performance and ancillary equipment performance.
- Provide design and construction management services for various plant betterment and new construction projects.
- Develop preliminary cost and generation estimates for potential generation projects.
- Provide engineering support for FERC licensing issues.
- Research new materials, equipment, methods and technologies for generation applications, and evaluate costs and benefits associated with hydroelectric facility operational alternatives.
- Develop solutions to operational and maintenance issues as they arise.
- Assist in preparing and tracking budget activities.

Required Skills

- Knowledge of:** Mechanical engineering principles; application of computers in engineering work; electrical utility construction methods, materials, standards, and equipment; advanced mathematics including trigonometry, calculus, and vectors. **Prefer** knowledge of FERC engineering guidelines and licensing regulations; hydroelectric power plant operations and maintenance; contracting procedures and construction practices.
- Skills in:** Performing technical research to solve problems; developing and organizing methods of solving problems; evaluating the cost effectiveness of projects, processes, and solutions; and performing detailed work with a high degree of accuracy. **Prefer** skills in applying engineering knowledge to real life plant betterment and repair projects. Ability to rapidly come up with solutions to problems as they arise in the field.
- Ability to:** Prepare comprehensive written and oral reports; break tasks into small components and ensure all details are included in the finished product; work in teams and maintain effective working relationships with other departments; read and develop detailed engineering drawings, diagrams, and specifications; work independently; and use judgment and initiative in resolving problems. **Prefer** ability to work with and explain complex engineering principles to mechanically oriented non-engineers, as well as the ability to rapidly come up with solutions to problems as they arise in the field.

To be considered for this position, please visit our website at www.idahopower.com/careers and complete our online application.

If you have questions, or require assistance or accommodation to complete the online application, please contact us at:

Phone: (208) 388-2965 or **E-mail:** jobs@idahopower.com

Idaho Power is an Equal Opportunity Employer.

Required Experience

MINIMUM REQUIREMENTS

Education	Bachelor's degree in engineering (prefer mechanical emphasis). Prefer master's degree in Mechanical Engineering.
Experience	Two years of mechanical engineering experience. Prefer five years of mechanical engineering experience.
Licenses & Certifications	Valid driver's license with an acceptable driving record according to driving requirements of the position; Prefer either EIT (Engineer in Training) or PE (Professional Engineer) certification.

Competencies

Decision Making, Communication, Adaptability, Planning and Organizing, Work Standards, Building Strategic Working Relationships, Initiating Action, Innovation, Continuous Learning, and Customer Focus.

Additional Requirements

Job requires travel to various hydropower and combustion turbine facilities and will require some overnight stays. Will occasionally require working in proximity to hazardous areas, and therefore requires thorough familiarity and strict conformance with all state and federal safety rules as well as Idaho Power's safety procedures. Extended field projects at plants may be required. Will frequently be required to climb multiple flights of stairs as well as crawl into and around complex machinery.