

Position Title

Geysers Performance Engineering Intern

Position Description

The Geysers is the largest complex of geothermal power plants in the world. Calpine is the largest geothermal power producer in the US and one of the most reliable energy sources in California accounting for one fourth of the green power produced in California. See www.geysers.com for more information regarding Calpine.

Essential Duties and Responsibilities will include some or all of the following:

Assisting the Power Plant Performance Management team with ongoing monitoring, evaluating, and optimizing plant performance (efficiency and total output) at The Geysers Power Plant.

Gaining hands on experience in ongoing engineering projects including:

1. Power plant performance testing.
 2. Evaluation of test data.
 3. Identify and recommend opportunities for cycle optimization and equipment upgrades.
- The remainder of unloaded intern time will be utilized in assisting Tech Services personnel in other tasks including spreadsheet analysis.

The above statements reflect the general details considered necessary to describe the essential functions of the job and are not to be construed as a detailed description of all the work requirements that may be inherent in the position.

Required skills and experience

Candidate should have completed coursework in their junior year in engineering science, including chemical or mechanical engineering coursework in Fluid Flow and Thermodynamics.

Candidate should be familiar with Microsoft Office Tools software (Word, Excel, Outlook), and ideally will be familiar with Excel programming in VBA as well as able to quickly learn the PIPE and Gate Cycle power plant performance modeling software packages.

The candidate should also be willing to work as a team with good writing and communication skills. Intern must hold a valid driver's license, and have the ability to drive mountainous, winding, narrow roads. Work environment includes an office setting as well as outdoors in an industrial/power plant setting.

Additional Job Requirements:

- Strong work ethic and initiative
- Ability to work well in a team environment.
- Intrinsic motivation and initiative for self-development.
- Strong written and verbal communication skills.
- Good academic standing or GPA of 3.0 or higher.

This job will be based at The Geysers power plant near Middletown, California.

Work schedule is 4X10 (Monday – Thursday)

Calpine is an Equal Opportunity/Affirmative Action Employer

URL link for students to apply:

https://rn11.ultipro.com/CAL1005/jobboard/NewCandidateExt.aspx?_JobID=1873&_jbsrc=