

California Energy Commission



CLASSIFICATION: **Senior Electrical Engineer**
Will consider Associate Electrical Engineer

TENURE/TIME BASE: Permanent/Full Time

SALARY: Senior Electrical Engineer: \$8,978 - \$11,235
Associate Electrical Engineer: \$7,632 - \$ 9,547

LOCATION: Energy Assessments Division, Supply Analysis Office
Sacramento

FINAL FILING DATE: **Until Filled**

The Energy Assessments Division consists of a multi-disciplinary staff of economists, engineers, and scientists responsible for developing methodologies, models, and data for analyzing energy supply and demand. The Supply Analysis Office (SAO) conducts assessments of the electricity and natural gas systems, as well as the transportation fuels infrastructure, and the demand for petroleum, renewable, and alternative fuels.

The Supply Analysis Office provides critical information and independent, objective analyses of the electricity and natural gas markets, electric and natural gas systems operations, and electric, natural gas and environmental resource issues. Major office activities include energy data collection, analysis of and reporting on energy trends and prices, technical scenario modeling, and making recommendations to improve functions of electricity and natural gas systems and markets and to promote sound public policy.

JOB DESCRIPTION: The Senior Electrical Engineer shall primarily perform electricity power flow modeling and analysis to understand electric system reliability in relation to natural gas supply. This includes developing contingency plans, alternative scenarios, and other analysis needed to preserve electric service reliability. The incumbent is expected to perform the more difficult and complex work in specialized areas of electrical engineering such as advanced power flow modeling and related power systems analysis.

Additionally, the incumbent plans, organizes, and provides high level engineering technical leadership, direction and coordination for electrical engineering analysis relating to grid reliability. Identifies, selects, and runs appropriate electricity power flow models to test variables, assumptions, and scenarios relating to electric grid operations. Leads staff in developing new methods and applications for contingency planning, along with integrated electric and gas modeling to understand electric system grid reliability. The incumbent also leads, coordinates and communicates with staff, California utilities, government agencies, and industry stakeholders regarding electricity and integrated electricity and natural gas modeling, analysis results, and any suggested modifications.

DESIRABLE EXPERIENCE/QUALIFICATIONS: The successful applicant should have:

- Excellent interpersonal, organizational, and leadership skills. Ability to coordinate interdisciplinary projects and staff, at times dealing with competing work priorities and deadlines. Ability to effectively work and lead others within a team environment while under pressure, and maintain positive and constructive work relationships with others.

- Excellent written and oral communication skills. Ability to effectively communicate with others. Ability to effectively write, review, and edit technical program information. Ability to gather, compile, analyze, interpret and communicate written and numerical research data.
- Excellent analytical skills and the ability to reason logically and creatively while analyzing a variety of analytical techniques.
- Proficiency on a personal computer and familiarity with word processing, data base management, spreadsheets, models, and graphics.

WHO MAY APPLY: Eligible candidates who are current state employees with status in the above classification, lateral transfers from an equivalent class who meet the minimum qualifications of this classification, former state employees who can reinstate into this class or persons who are reachable on a current employment list for this classification. Appointment is subject to the provisions of the SROA process: SROA/SURPLUS/ REEMPLOYMENT candidates are encouraged to apply and must attach a copy of their status letter in order to be considered. Applications will be screened and the most qualified may be contacted for an interview.

Interested applicants must submit a completed Standard State Application (Form STD. 678) with an original signature, to the contact/address listed below. Electronic applications will not be accepted. **You must clearly indicate the basis of your eligibility (i.e., list, transfer, SROA/Surplus, reinstatement, etc.), RPA #810-138 and Position #8100-3600-001 in the “Explanation Section” of the STD. 678.**

***Please Note:** Possession of the minimum qualifications will be verified prior to the interview and/or appointment. If it is determined an applicant does not meet the minimum qualifications, the application may be forwarded to the State Personnel Board for review and the applicant’s name may be removed from the eligibility list.*

SUBMIT APPLICATIONS TO:

Personnel Services Office
ATTN: RPA #810-138
1516 9th Street, MS-3
Sacramento, CA 95814

View full Duty Statements:

<http://www.energy.ca.gov/careers/jobs.html>

For additional questions regarding this recruitment, you may contact (916) 654-4305 or email personnel@energy.ca.gov.

California Relay (Telephone) Service – TDD Phones: 1-800-735-2929 and Voice Phones: 1-800-735-2922