



# JOB OPPORTUNITY BULLETIN

**CLASSIFICATION: ELECTRIC GENERATION SYSTEM SPECIALIST I**

**TENURE: PERMANENT**

**TIME BASE: FULL TIME**

**SALARY: \$7,058.00 - \$8,732.00**

**LOCATION: ENERGY RESEARCH AND DEVELOPMENT DIVISION  
SACRAMENTO, CA**

**FINAL FILING DATE: UNTIL FILLED**

**DUTIES/RESPONSIBILITIES:** The Electric Generation System Specialist I is under the general direction of the Energy Generation Research Office's Electric Generation Systems Specialist III and serves as part of interdisciplinary and or interdivisional teams to plan and implement research, development, and demonstration (RD&D) projects that advance renewable integration and distributed energy resource (DER) technologies. The incumbent will ensure that the Energy Commission's EPIC RD&D program advances the state of RD&D to improve renewable integration in California and enable the state to cost-effectively meet its renewable energy and greenhouse gas emissions reduction goals. Duties include, but are not limited to:

- Conduct EPIC Program planning and implementation, including implementation of Triennial Investment Plans; conduct EPIC RD&D planning, contracting, and grant award activities; and develop and implement innovative ideas, concepts, and efforts to incubate new clean energy technology products and solutions through RD&D and market facilitation. The incumbent engages in completing complex technical analysis, evaluations, field demonstrations, and systems tradeoffs on the ability of new and emerging renewable integration, DER, and other energy technologies to conform to planning and operational elements of electric generation systems. Develop and use complex system models that will evaluate and assess the performance, reliability, and capability of new energy technologies to perform in electricity systems both as individual technologies and within a larger portfolio of many different new technologies. Evaluate the ability of new technologies to fit in with the state's planning, interconnection, capacity, resource adequacy, and reliability requirements, as well as existing and planned wholesale and retail markets. Using and interpreting the output of computer models, the incumbent will evaluate the potential impacts of the new technologies on state mandated goals such as higher levels of electricity generation from renewable resources, reduction of greenhouse gas emissions and criteria pollutants, maintenance of reliable electricity delivery, and reduction of natural gas use.
- Lead the research, design and development of new renewable integration and DER technologies to ensure that they will, whether taken individually or as a group, fit in with electricity systems in terms of operation, characteristics, and benefits. The incumbent implement solicitations and collaborative strategies to meet EPIC Program goals through project development by defining the project scope, work statement, and budget. The incumbent reviews proposals to determine how well the project addresses the scope of the solicitation criteria including, but not limited to: the extent the project will advance science or technology, address market issues and needs, and meet specified target goals and objectives; the skill and experience of the project team to carry out the technical tasks

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within budget and schedule and move the results into the marketplace; and the adequacy of the project funding. The incumbent prepares written findings of such evaluations. The incumbent briefs Office, Division, Commission management, and Commissioners on the status of the projects.

- Consult with and advise the Electric Generation Systems Specialist III, Office Manager, Division management, and Commissioners on a variety of energy systems integration and research needs related to renewable integration and DER technologies and their application on the electricity generation systems. Participate in identification of issues and analytic methodologies.
- Participate in the development of the EPIC Program annual report to the California Public Utilities Commission (CPUC). Work with stakeholders and synthesize complex information from many sources into consensus (where feasible) regarding the direction of the electricity RD&D.
- Follow proceedings at the CPUC and initiatives at the California Independent System Operator (CAISO) that may impact or be informed by EPIC research projects. Summarize status and upcoming needs of these proceedings and initiatives to guide research. The incumbent briefs Office, Division, Commission management, and Commissioners on the CPUC proceedings and CAISO initiatives.

**DESIRABLE EXPERIENCE/QUALIFICATIONS:** The successful applicant should have:

- Excellent interpersonal skills. Ability to coordinate interdisciplinary projects.
- Ability to work under pressure effectively, both under supervision as well as independently, within a team environment and maintaining positive and constructive work relationships with others.
- Ability to effectively write and edit technical program information. Excellent analytical skills and the ability to reason logically and creatively while analyzing a variety of analytical techniques.

**WHO MAY APPLY:** All interested eligible persons are encouraged to apply. Applicants must have either transfer, list, reinstatement, or SROA/Surplus eligibility. Please indicate your eligibility for this classification on the state application form, STD. 678.

Training & Development Assignments may be considered.

INTERESTED APPLICANTS SHOULD SUBMIT A COMPLETED STANDARD STATE APPLICATION (FORM STD. 678) TO:

**SUBMIT APPLICATIONS TO:**

Personnel Services Office  
Attn: RPA #320-488  
1516 9<sup>th</sup> Street, MS-3  
Sacramento, CA 95814  
Phone: 916-654-4305

California Relay (Telephone) Service for  
the Deaf or Hearing-Impaired  
From hTDD Phones: 1-800-735-2929  
From Voice Phones: 1-800-735-2922

[PersonnelServices@energy.ca.gov](mailto:PersonnelServices@energy.ca.gov)