



JOB OPPORTUNITY BULLETIN

CLASSIFICATION: Electric Generation System Specialist I

TENURE: Permanent

TIME BASE: Full Time

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

LOCATION: Energy Generation Research Office
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 is one of the EGRO's subject matter experts in distributed energy resources and renewable integration. The incumbent will use this expertise to 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.

WORKING CONDITIONS:

The work is performed in an indoor office and meeting room setting involving sitting, standing, and walking. Travel is required to attend workshops, hearings and meetings. Additional hours beyond an eight-hour workday or forty-hour workweek may be required. While performing the duties described below, the incumbent will be required to work alone, work within a team, utilizing a personal computer and appropriate Energy Commission software such as the Microsoft suite of software, electronic mail and the Internet. The incumbent will be required to plan, organize, assist and/or participate in meetings with other Energy Commission staff, staff from other federal and state agencies, consultants, contractors, and other parties active in energy-related research and development.

Duties include, but are not limited to:

- Conduct EPIC Program planning and implementation, including implementation of Triennial Investment Plans; 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 generation, distributed generation, 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 present and future community-scale electricity generation resource adequacy. 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,

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reduction of greenhouse gas emissions from CHP systems, maintenance of reliable electricity delivery, reduction of natural gas use, and the need for emission reduction credits.

- Lead the research, design and development of new renewable generation and distributed generation 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, meet specified target goals and objectives; the skill and experience of the project team to carry out the technical tasks 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 for use by technical scoring committee. 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, Energy Resources Specialist III, Division management and Commissioners on a variety of energy systems integration and research needs related to renewable energy and distributed generation 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 and participate in CPUC EPIC proceedings. Work with stakeholders and synthesize complex information from many sources into consensus (where feasible) regarding the direction of the electricity environmental-related RD&D

DESIRABLE EXPERIENCE/QUALIFICATIONS:

- 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 and 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 #320-162
1516 9th 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
personnel@energy.ca.gov