



JOB OPPORTUNITY BULLETIN

CLASSIFICATION: ELECTRIC GENERATION SYSTEM SPECIALIST I
(Training and Development assignments may be considered)

TENURE: PERMANENT

TIME BASE: FULL TIME

SALARY: \$7,376-\$9,125

FINAL FILING DATE: January 24, 2019

DUTIES/RESPONSIBILITIES: Under the general direction of the Electric Generation System Specialist II, the incumbent serves as part of interdisciplinary and or interdivisional teams to plan and implement research, development, and demonstration (RD&D) projects that advance the integration of energy efficiency, load management, and distributed energy resource (DERs) in buildings, and agricultural, industrial, and water facilities. The primary goal is to reduce GHG emissions due to energy consumption by developing technologies and operational strategies that integrate energy efficiency, load control and management, electricity storage, and distributed generation in buildings and facilities so they can operate as flexible grid resources while still meeting the production, operation, and cost needs of customers. The incumbent will work with a team to develop and oversee research, development and deployment activities needed to optimally design, deploy and integrate new and emerging energy efficiency and DER alternatives to provide grid support and meet the State's carbon reduction, Zero Net Energy, and efficiency goals for building and industrial facilities. The incumbent identifies methods, models, and techniques to evaluate customer, community-scale, and grid impacts of energy efficiency and DER technologies and strategies; and develops, tests, and demonstrates new models and strategies for determining the ideal design characteristics, for new and emerging energy efficiency and DER technologies and operational strategies. The team performs time-critical and subject matter-critical technical or market analyses to support public interest energy RD&D funding, manages complex RD&D projects, and consults with experts in the field.

- Conduct EPIC Program planning and implementation, including implementation of the 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 system tradeoffs on the ability of new and emerging energy-efficiency technology integration, DER, and other energy technologies to conform to the planning and operational elements of providing electric grid support. Develop and use complex system models that will evaluate and assess the performance, reliability and capability of new energy efficiency technologies integrated with DER to perform individually or within a larger portfolio of new technologies. 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 energy efficiency and electricity generation from renewable resources, reduction of greenhouse gas emissions and criteria pollutants, maintenance of reliable electricity delivery, and reduction of natural gas use.

(Cont'd)

(Cont'd)

- Lead the research, design and development of new energy efficiency integration related to various research areas within the Efficiency Research Office, i.e. DER technologies to ensure that they will, whether taken individually or as a group, fit in within buildings or industrial communities, in terms of operation, characteristics, and benefits. The incumbent implements solicitations and collaborative strategies to meet EPIC Program goals through project development by defining the project scope, work statement, and budget.
- Consult with and advise the Electric Generation Systems Specialist II, Office Manager, Division management and Commissioners on a variety of energy efficiency integration research needs related to DER technologies and their application on buildings, industry and the impact on the electricity generation systems.
- Participate in the development of the EPIC Program annual report to the CPUC and Integrated Energy Policy Report.
- Follow proceedings at the CPUC and rulemaking, such as energy efficiency strategic plans and other initiatives at the CAISO that may impact or be informed by EPIC research projects.

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: 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 be accepted. You must clearly indicate the basis of your eligibility (i.e. list, transfer, SROA/Surplus, reinstatement, etc.). **RPA #310-163** and **Position #535-310-4841-xxx** in the "Explanation Section" of the STD 678. Resumes are welcome but do not take the place of the completed State Application STD 678. Training and development assignments will be considered. Applications will be screened for experience and only the most qualified will be contacted for an interview. NOTE: Failure to comply with the filing instructions and incomplete applications received will not be considered.

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

SUBMIT APPLICATIONS TO:

Personnel Services Office
Attn: **RPA #310-163**
1516 9th Street, MS-3
Sacramento, CA 95814
Phone: 916-654-4309

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