



JOB OPPORTUNITY BULLETIN

CLASSIFICATION: ELECTRIC GENERATION SYSTEM PROGRAM SPECIALIST I

TENURE: PERMANENT

TIME BASE: FULL TIME

SALARY: \$7,956.00 - \$9,954.00

**LOCATION: ENERGY DEPLOYMENT AND MARKET FACILITATION OFFICE
ENERGY RESEARCH AND DEVELOPMENT DIVISION
SACRAMENTO, CA**

FINAL FILING DATE: UNTIL FILLED

DUTIES/RESPONSIBILITIES: Under the general direction of the manager in the Energy Deployment and Market Facilitation Office, the Energy Generation System Program Specialist I (EGSPS I) is required to have a high degree of skill to be able to lead and be responsible for varied, difficult, and complex technical analyses.

The incumbent will lead the overall planning, development and implementation of the Energy Commission's R&D impact assessment framework. The framework will be used across the Energy Research and Development Division to: 1) estimate the net economic benefits of the Energy Commission's R&D investments in new renewable generation, storage, demand response, energy efficiency technologies and transportation for meeting the state's energy and environmental goals; and 2) facilitate the hand-off of new clean energy technologies funded by the Energy Research and Development Division into "market pull" programs such as rebates, codes and standards, and public procurement. The incumbent should have a high degree of knowledge of technology innovation policy including: 1) how various policy instruments are used and interact with one another to advance new energy technology innovations; 2) the value and intended impact of these policy instruments at various stages of a new technology's development; and, 3) methodologies to both quantitatively and qualitatively measure the intended impacts. A high degree of inter-agency communication and coordination is needed in that this position is designed to facilitate the Energy Commission's on-going role in implementing California's clean energy programs within the Energy Research and Development Division.

WORKING CONDITIONS: The work is performed in an indoor office and meeting room setting involving sitting, standing, and walking. Travel is required to conduct project site visits, attend workshops, hearings and meetings. Additional hours beyond an eight-hour workday or forty-hour workweek may be required. 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 AND RESPONSIBILITIES:

- Independently plans, organizes, and conducts complicated studies to implement the R&D impact assessment framework. Provides expert consultative services on the feasibility, impact, or potential of a variety of operations, projects or proposals. Performs the most difficult assignments relating to engineering and economic studies of alternative electric generation methods and fuels; evaluate the need for new generation facilities; develop and analyze alternatives to current electric generation methods; evaluate new electric generation technology

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and their relationships to present and future resource plans; evaluate the design and approve implementation of generation system models. Researches best practices and peer-reviewed literature on the value of public RD&D investments, both for the energy sector as well as broader technology sectors. Establishes working relationships with academia and government agencies to design methodologies – including specific metrics – to evaluate the value of public RD&D investments by the Energy Commission. Develops and implements data collection methods across the Division to create a repository of project and program outcomes.

- Develops tools and frameworks to facilitate the hand-off of EPIC-funded technologies into market pull programs such as rebates, codes and standards and public procurement. Establishes working relationships and arrangements with other Energy Commission divisions, government agencies and private industry to: a) determine the program requirements of applicable market pull programs; b) develop strategies and analytical tools to systematically move Electric Program Investment Charge (EPIC)-funded technologies into these programs; and c) identify potential program modifications to streamline the process.
- Conducts complex detailed cost-performance modeling of new electric generation, storage and energy efficiency technologies to estimate the technology's cost at scale. Compares the modeled cost-performance to competing solutions to determine the technology's commercial viability.
- Provides input to the EPIC Annual Report, California Public Utilities Commission Natural Gas Planning Report, Integrated Energy Policy Report (IEPR), Electricity Report and other Energy Commission reports, as necessary, on specific technical and economic milestones achieved by funded R&D projects and portfolio of projects. Provides input into these reports on the value and economic impact of the Energy Commission's public RD&D programs.

DESIRABLE EXPERIENCE/QUALIFICATIONS: The successful applicant should have:

- Ability to communicate effectively and be able to relay complicated information in a simple, consumer-friendly manner
- Excellent interpersonal and team leadership skills
- Knowledge of program planning and evaluation
- Ability to reason logically and creatively and utilize a variety of analytical techniques
- Ability to effectively write and edit technical program information
- Ability to manage complex energy programs

WHO MAY APPLY: Eligible candidates who are current state employees with status in the above classification or lateral transfers from an equivalent class, former state employees who can reinstate in this classification 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.

Interested applicants must submit a completed Standard State Application (Form STD. 678) with an original signature, to the contact/address listed below. **You must clearly indicate the basis of your eligibility (i.e., list, transfer, SROA/Surplus, reinstatement, etc.), RPA #350-234 and Position #535-350-4847-001 in the "Explanation Section" of the STD 678.** A separate application is required for each position.

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Resumes are welcomed but do not take the place of the completed State Application STD 678. Will consider a Training and Development (T&D) Assignment. 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.**

***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.*

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

SUBMIT APPLICATIONS TO:

Personnel Services Office
Attn: RPA #350-234
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