



<b>Classification:</b> Electric Generation System Specialist III	<b>Position No.</b> 3100-4843-001
<b>CBID:</b> R09	<b>Office:</b> Energy Efficiency Research
<b>Date Prepared:</b> February 9, 2018	<b>Division:</b> Energy Research and Development
<b>KEY: (E) IS ESSENTIAL, (M) IS MARGINAL</b>	

Under the general direction of the Energy Resource Specialist III (Manager) in the Energy Efficiency Research Office, the incumbent will provide supervisory and technical guidance to plan and implement public interest energy research, development and demonstration (RD&D) efforts related to advancing the integration of distributed energy resources (DER) in buildings and industrial, agriculture and water (IAW) facilities. The goal is to reduce electricity use and load in buildings and IAW facilities through energy efficiency, load reduction, generation and DER strategies and potentially using buildings and facilities as electric grid resources. The incumbent will oversee 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 help meet the State’s carbon reduction, Zero Net Energy (ZNE) and efficiency goals and investigate opportunities for industrial facilities, grid support and technology. The team performs time-critical and subject matter-critical technical or market analyses to support public interest energy RD&D funding; manages highly complex RD&D projects; and consults with experts in the field.

The incumbent is knowledgeable in advanced energy efficiency technologies, load reduction and other strategies associated with ZNE buildings and industrial facilities and their impacts on grid resources; leads R&D program planning and implementation in this subject area; supervises and provides technical leadership to interdisciplinary staff that will: a) analyze and integrate new and emerging energy efficiency technologies, DER, and other strategies to help the state achieve its energy and greenhouse gas reduction goals; b) identify methods, models and techniques to evaluate impacts of ZNE, highly efficient buildings, communities, and IAW facilities on the electric distribution system, c) analyze and identify strategies for advancing energy efficiency and DERs in the low income and/or disadvantaged communities; d) prepare engineering and economic studies; and, e) analyze advanced electric load reducing options.

**WORKING CONDITIONS**

The work is performed in an indoor office and meeting room setting involving sitting, standing, and walking. The candidate must work well with people inside and outside the Energy Commission and members of the general public; perform well under the pressure of deadlines; exercise good listening and communication skills; and prepare quality reports for expert and layperson readers. The candidate will be required to provide oral and written presentations. The candidate must be able to evaluate daily workload and prioritize work including the work of team members and contractors. Travel is required to attend workshops, hearings and meetings and may consume 5% to 10% of the candidate’s time. 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 and/or in a team environment, using a personal computer and appropriate Energy Commission software such as word processing, electronic mail and Internet; participate in and lead meetings with other staff and with other agencies and stakeholders.



## **DUTIES AND RESPONSIBILITIES:**

40% Supervise and lead staff and perform the following: (E)

- Direct, plan, and coordinate the work of staff;
- Review and constructively critique staff work, and maintain quality control of program products;
- Analyze situations and take effective actions;
- Prepare, review and/or edit complex technical and other written reports;
- Establish and maintain project/program priorities within the unit;
- Manage all personnel transactions for the unit, such as preparation of probation reports and annual performance appraisals and conducts interviews and hires staff;
- Communicate with staff through routine meetings.

40% Plan and develop strategies and oversee and manage complex projects associated with research, RD&D efforts related to advancing the integration of distributed energy resources for the purpose advancing zero net energy (ZNE) and highly efficient buildings and industrial/water facilities. (E)

- Oversee and direct staff in the following areas: a) analyze, design and demonstrate the integration of new and emerging energy efficiency technologies and other DER strategies to help the state achieve its ZNE building, efficiency and greenhouse gas reduction goals; b) identify methods, models and techniques to evaluate energy system impacts caused by ZNE and highly efficient buildings and communities and IAW facilities on the electric distribution system; c) analyze and identify strategies for advancing energy efficiency and DERs in the low income and/or disadvantaged communities; d) prepare engineering and economic studies; and, e) analyze advanced electric load reducing options, technologies and strategies and the impacts to California ratepayers.
- Oversee, manage, prepare and present complex technical programs/projects, research reports and technical analyses.
- Participate and lead in preparation of cross division/office policy reports, special projects, and present results to management.
- Meet with the office, division and Energy Commission management to discuss new strategies, review the status of project work, resolve issues, and discuss resource and personnel needs.

10% Consult with stakeholders including representatives from government and private RD&D organizations and utilities, and technical experts to identify RD&D opportunities of integrating alternative and advanced energy efficiency and DER for potential application in California; and define, develop and implement projects that provide significant public benefits to California and meet the policy and technical objectives of the Energy Commission's R&D programs. (E)

5% Prepare and make presentations at workshops and conferences and provide expert testimony at hearings sponsored by the Energy Commission, Public Utilities Commission and other agencies. (M)

5% Other duties as required consistent with the specifications of this classification. (M)



<b>SIGNATURES</b>	
<b>I Certify That I Am Able To Perform, With Or Without The Assistance Of A Reasonable Accommodation, The Essential Job Duties Of This Position</b>	
<hr/>	<hr/>
Incumbent <span style="float: right;">Date</span>	Supervisor <span style="float: right;">Date</span>
Electric Generation System Specialist (Spvr)	Energy Resources Specialist III (Managerial)