



Classification: Electric Generation System Specialist III (Limited Term)	Position No. 3200-4843-001
CBID: S09	Office: Energy Generation Research Office
Date Prepared: January, 2017	Division: Energy Research and Development
KEY: (E) IS ESSENTIAL, (M) IS MARGINAL	

Under the general direction of the Energy Generation Research Office Manager in the Energy Research and Development Division, the incumbent will supervise the Renewables Integration and Environmental research teams. The Energy Generation System Specialist III (EGSS III) will provide supervisory and technical experience of renewable integration technology strategies as well as knowledge on how emerging technologies will fare under various regulatory and policy scenarios. The EGSS III will work cooperatively with the Renewable and Advanced Generation Technologies team lead to guide a team to develop and oversee research, development and deployment activities needed to optimally design, deploy, and integrate new technologies within the electricity system and its regulatory structure. This includes the ability to evaluate new and emerging renewable and conventional generation technologies and other enabling technologies to be designed, developed, and deployed to help meet the Renewable Portfolio Standard targets and greenhouse gas emission targets and goals, while maintaining a reliable and cost-efficient generation system.

WORKING CONDITIONS:

The work is performed primarily in an indoor office and meeting room setting involving sitting, standing, and walking as well as sitting for long periods of time. Travel may be required to attend project site visits, 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 and/or in a team environment; utilize a personal computer and appropriate Energy Commission software such as Microsoft suite of software, electronic mail, Internet and analytical models. 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:

45% Plan, organize and supervise the work of other professional staff engaged in renewable integration research, development and deployment activities. Develop long term vision, plans and roadmaps to help direct the technical staff for future research, development and deployment activities supporting the integration of renewables in California. Work collaboratively with the Renewable and Advanced Generation Technologies and Environmental team leads to provide leadership and overall direction to technical staff engaged in the evaluation of new renewable generation technologies to meet the Renewable Portfolio Standard goals and scenario development for the future electricity system. Develop and manage computer models to evaluate the system impacts of new



technologies on the California electricity grid; assess technologies to improve forecasting capabilities for renewable resource availability; assess technical and system issues resulting from high penetrations of distributed generation and combined heat and power technologies; develop and manage analytical tools to determine the optimal characteristics, design, operation, and locations for new renewable technologies; and develop and publish scenarios detailing optimal configuration of new renewable resources. Review products for accuracy, completeness, and professional presentation. (E)

- 20% Complete outreach activities with other state agencies, key federal and state government agencies (such as Department of Energy, Department of Defense, California Public Utilities Commission, Air Resources Board), California utilities, and the California Independent System Operator to identify areas of mutual interest and actions associate with the implementation of increased renewable technologies on the California and national electric grid. Participate in state and national working groups and advisory groups overseeing the development and implementation of new and emerging renewable technologies. Represent the staff before the Commission and the Commission before federal, state (e.g. CPUC and Air Resources Board proceedings), and local agencies and interest groups by providing reports, testimony, advice, and comments. (E)
- 20% Assist the Office Manager with management responsibilities within the office, including recruitment, administrative, overseeing personnel actions, individual and team motivation, probation and performance reviews, career development, employee recognition, and training. (E)
- 10% Perform administrative duties and oversees the successful completion of key staff tasks such as: contract and grant development activities, critical project reviews, developing and publishing of contractor and staff technical reports, weekly status reports, and responses to ad hoc information requests. (E)
- 5% Perform other duties as required consistent with the specifications of this classification. (M)

SIGNATURES	
I Certify That I Am Able To Perform, With Or Without The Assistance Of A Reasonable Accommodation, The Essential Job Duties Of This Position	
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> Incumbent Date Electric Generation System Specialist III (LT)	<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> Aleecia Gutierrez Date Energy Resources Specialist III (Managerial)