

Classification: Energy Commission Specialist III (FO)	Position No. 820-4949-008 (Lead Forecaster)
CBID: R10	Office: Demand Analysis Office
Date Prepared: March 15, 2017	Division: Energy Assessments Division
KEY: (E) IS ESSENTIAL, (M) IS MARGINAL	

The Energy Commission Specialist III (FO) is under the general direction of the Demand Analysis Office’s Energy Resources Specialist III (Managerial), works directly with the energy demand forecast’s Research Specialist IV, and is the DAO’s top subject-matter expert in developing reliable forecasts to be used in other state planning processes and the lead technical specialist responsible for the preparation of the Energy Commission’s electricity and natural gas end use forecasts. The incumbent will apply this expertise to ensure: 1) data is appropriately disaggregated to consumption levels, customer classes, and customer characteristics are collected; 2) a collaborative forecasting process with stakeholders is in place; and 3) reasonable forecasts of future energy use and savings are made at appropriate geographical and temporal disaggregation. The work involves complex issues that may require original or innovative solutions and directly impact California’s energy policies.

WORKING CONDITIONS:

The work is performed primarily indoors in an office and meeting-room setting and involves sitting, standing, and walking. Travel may be necessary to attend workshops, hearings, and meetings away from the Energy Commission’s headquarters. Additional hours beyond an eight-hour workday or a forty-hour workweek may be required.

The incumbent will be required to work in a team environment as a leader, subject-matter expert, or technical-support participant. As a team leader on large projects, the incumbent may coordinate the efforts of representatives of various governmental agencies. The incumbent must work well with people, exercise good listening, memory, and problem-solving skills.

The incumbent may also be required to work alone, using an Energy Commission–provided personal computer and software, as well as other office equipment. The incumbent is expected to maintain a well organized work space, prioritize daily workload, perform well under the pressure of time constraints, and complete assignments by their due dates.

DUTIES AND RESPONSIBILITIES:

35% Serve as the DAO’s top technical subject-matter expert pertaining to the review and assessment of forecasting data modeling results from the various energy sector forecasting models. Compile the results of these modeling efforts, and document these findings in an annual forecast report. Provide a summary of the findings and recommendations related to the forecast and energy savings for each Integrated Energy Policy Report. Prepare presentations on forecast results and related technical issues to present at workshops and meetings involving the Energy Commission, Demand Analysis Working Group, California



Independent System Operator, and California Public Utilities Commission. Lead the Division's forecast coordination effort, including, but not limited to, developing and maintaining the overall forecast schedule, negotiating deadlines, tracking forecast-related work products, coordinating related activities, and updating management on issues and potential delays. (E)

- 30% Perform the most highly technical expert and complex energy consumption analysis and guide staff in developing their modeling and analysis of the energy consumption and peak demand, including the appropriate level of geographic and temporal disaggregation of forecasts. Incorporate the impacts of a diverse and complex set of existing and new load-modifying programs, such as energy efficiency, demand response, transportation electrification, and energy storage, on energy demand. Assess potential impacts of climate change on energy demand, including the impact of overall warming temperatures and extreme heat events (heat storms). Work in conjunction with the Demand Analysis Expert Review Panel and assist the Research Specialist IV to plan and implement changes to the overall forecast design and structure, including the development of new or improved forecasting methodologies and tools. (E)
- 20% Provide top technical guidance to the Demand Analysis Office's data collection and survey units on data collection needs. Provide technical expertise as needed to California utilities and load serving entities, U.S. Energy Information Administration, consumer interest groups, etc., regarding the development of timely and accurate energy consumption data and information collection programs. (E)
- 10% Advise and present findings to the Commissioners, management, working and advisory groups, and state and federal agencies on findings related to peak and total energy consumption trends and saving programs and their effect on the supply-demand balance of energy in California. (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	
<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> Employee Energy Commission Specialist III (FO) Date	<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> Siva Gunda Energy Resources Specialist III (M) Date