



Classification: Energy Commission Specialist II (TED)	Position No. 8200-4185-004 (AAEE Forecaster)
CBID: R10	Office: Demand Analysis – AB 802
Date Prepared: November 1, 2017	Division: Energy Assessments
KEY: (E) IS ESSENTIAL, (M) IS MARGINAL	

The Energy Commission Specialist II (TED) is under the general direction of the Energy Resources Specialist III (Supervisory) in the Demand Analysis Office of the Energy Assessments Division. The incumbent is an Energy Commission subject-matter expert and serves as a highly skilled practitioner and prime resource person. Under the lead of the Energy Commission's top subject matter experts in the area of energy efficiency as well as the Lead Demand Forecaster, the incumbent will perform a range of highly complex and advanced technical tasks related to improving energy demand forecasts. The incumbent will coordinate, manage, and track the activities of technical consultants through work authorizations. This includes oversight and first-level evaluation of consultant reports. Specific responsibilities include continual involvement with electric and gas utility energy efficiency potential studies to ensure that these studies properly incorporate Energy Commission findings and recommendations related to existing market conditions and development of new technologies. Responsibilities also include estimation of additional achievable energy efficiency savings and proper incorporation of these savings within the Energy Commission's demand forecasts.

WORKING CONDITIONS. The work is performed primarily indoors in an office and meeting-room setting and involves standing and walking as well as sitting for long periods of time. The incumbent must work well with people inside and outside the Energy Commission, including members of the general public; perform well under pressure of deadlines; exercise good listening and communication skills; and prepare quality reports and regulations for expert and layperson readers, team members, and contractors. Additional hours beyond the 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 processes, electronic mail, and internet; participate in and lead meetings with other staff and with other agencies. Some travel is required to attend off-site meetings and participate in workshops and hearings.

DUTIES AND RESPONSIBILITIES:

50% As the primary technical expert, work closely with California investor and publicly owned utilities and the California Public Utilities Commission (CPUC) to develop efficiency potential studies for utilities. Help ensure that the potential studies reflect an existing conditions baseline for existing buildings, consistent with the requirements of AB 802. The incumbent will evaluate the deliverables of technical consultants such as model methodology and input assumptions and documentation of methods to place electricity savings projections within the context of overall electricity sales, peak demand, and utility



business models. Under the lead of the subject matter expert in this area, work closely with staff assessing actual market conditions and new technologies in the residential and non-residential sectors and ensure that these are reflected in the potential studies. The incumbent will coordinate, manage, and track the activities of technical consultants through work authorizations. This includes oversight and first-level evaluation of consultant reports. Fully document Energy Commission recommendations for characterizing existing market conditions and development of new technologies within the potential studies. (E)

- 35% Provide expert technical guidance to lead the effort to develop additional achievable energy efficiency savings based on the potential studies. Ensure that additional achievable energy efficiency estimates are truly incremental to “committed” efficiency already incorporated within the forecast. Working closely with the utilities and the CPUC, develop scenarios for additional achievable energy efficiency that capture a range of possible savings outcomes determined from various input assumptions. Present these scenarios in a working group setting to receive feedback from interested parties and consider adjusting scenarios. Once final scenarios are determined, ensure that additional achievable energy efficiency scenarios are incorporated properly into energy demand forecasts. (E)

- 10% Document findings and methods used to develop energy efficiency scenarios. Contribute to both staff and Commission reports. Present and participate in workshops, working groups, and meetings representing the Demand Analysis Office. Present information to staff and management about research plans, data collection, data uses, analyses performed and other topics related to energy efficiency savings impacts. (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			
Employee, ECS II (TED)	Date	Aida Escala, ERS III (S)	Date