



Classification: Energy Commission Specialist II (TED)	Position No. 8200-4185-001 (Technical Lead)
CBID: R10	Office: Demand Analysis
Date Prepared: September 18, 2017	Division: Energy Assessments
KEY: (E) IS ESSENTIAL, (M) IS MARGINAL	

The Energy Commission Specialist II (ECS II) is under the general supervision of the Energy Resources Specialist III (Supervisory) in the Data Analysis and Survey Unit of the Demand Analysis Office (DAO). The incumbent is a highly skilled practitioner who serves as the prime resource and technical lead for collecting information about equipment energy use in residential, commercial, and industrial buildings and dedicated technology that generates or stores energy used by these buildings. The role of the technical lead is to ensure the Commission has a robust survey process by incorporating data collection that covers all aspects of energy use in appliances, equipment and behind-the-meter electric generation and storage technologies and captures information to determine how electric load is impacted in specific regions. The incumbent has a high level of technical knowledge, skill, and ability that is well above the journey level. Responsibilities include, for example, survey instrument design, developing research plans and data analysis methodologies, survey implementation, contract management, and responding to data requests. The data collected includes energy consumption classified by specific building and equipment characteristics. Equipment characteristics are based on evaluating the energy impact of current and new technologies. This data collection and analysis will contribute to more detailed and accurate energy demand forecasts, providing a basis from which California's policy and decision makers can review, assess, revise, and enact state energy policy.

WORKING CONDITIONS: The work is primarily performed indoors in an office and meeting-room setting, and involves sitting, standing, and walking. Travel may be necessary to participate in data collection activities and training, 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.

DUTIES AND RESPONSIBILITIES

- 40% As the primary technical lead, conduct highly complex technical assessments of survey methodologies and research plans, evaluate the scope and design of survey instruments for effectiveness in evaluating current and future equipment technology characteristics and generation and storage technologies. The incumbent will plan and design new data collection procedures and ensure the data is collected in the most efficient manner; leverage survey data collection technologies; evaluate new data collection methods and collaborative opportunities for data collection; and develop a broad on-going data collection process. The incumbent will evaluate opportunities to aggregate different data sources, the impact to data quality of data aggregation, and provide recommendations regarding the combination and adoption of various data sources into the data collection processes. The incumbent will evaluate energy technology development that will impact customer energy use and electric system loads and develop methods that incorporate current and future technology impact on energy use that will improve sector surveys. (E)
- 30% Serve as the primary technical lead for energy use surveys by interacting and collaborating with other data collection staff on topics including determining the source of data issues and design specific corrective actions to improve data quality and characteristics. The incumbent will be the prime resource and subject matter expert responsible for implementing data quality corrective actions. The incumbent will lead efforts to identify and evaluate new data sources, data collection methods, and other data quality improvement strategies. The incumbent may manage or assist in managing survey supporting contracts. (E)



- 15% Provide expert technical guidance and actively participate and provide to the unit data quality activities involving the data quality measures, data collection strategies, development of representative sampling strategies, and authoring procurement documents to support data quality objectives. The incumbent will be responsible for authoring and maintaining data quality procedures and methodologies. (E)
- 10% Present and provide a supporting role in workshops, hearings, conferences, and meetings regarding data collected and any reports produced using the data. The incumbent will collaborate with Energy Commission staff on commercial and industrial energy consumption activities, when appropriate. Provide well-written and concise reports and/or technical papers that present the data to staff, Commissioners, and other governmental agencies. (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 Energy Commission Specialist II (TED)	_____ Date Energy Commission Specialist II (TED)
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