



State of California
California Energy Commission
DUTY STATEMENT
CEC-004 (Revised 5/2023)

Classification: Electric Generation System Specialist I

Working Title: Electric Generation System Specialist

Position Number: 535-410-4841-002

Division/Branch: Efficiency/Appliance Efficiency

Collective Bargaining Identifier (CBID): R09

Work Week Group (WWG): 2

Effective Date: February 14, 2024

Conflict of Interest (COI): Yes No

If yes, this position is responsible for making or participating in the making of governmental decisions that may potentially have a material effect on personal financial interests. The appointee is required to complete Form 700 within 30 days of appointment, which identifies pertinent personal financial information.

Job Description

Under direction of the Program and Project Supervisor of the Appliance Efficiency Standards Unit within the Appliance Efficiency Branch of the Efficiency Division, the incumbent independently performs the varied, complex, technical, and analytical work on the topics of appliance energy use, including performing complex modeling and analyses that contribute to sensitive and responsible energy systems-related work. This work requires a high level of knowledge, skill, and ability which is demonstrated through the full journey person level. The Appliance Efficiency Branch has primary responsibility of developing, adopting, and implementing statewide minimum efficiency standards for end-use appliances. In addition, the incumbent represents the division and the California Energy Commission (CEC) before various state, federal, and local energy agencies and regional, national, professional, and governmental bodies which significantly influence the state's energy policies with respect to Appliance Efficiency Branch activities. The incumbent will serve as a knowledgeable resource on policy, technology, market, and strategic issues as directed; and plays a primary role in coordination and collaboration with other state, federal, and local agencies, as well as other interested stakeholders and the public. In particular, the incumbent will develop and make recommendations on specific compatibility requirements between appliances, utility system design and operations, and range of incentive programs administered by the state and load-serving entities in consultation with the California Public Utilities Commission (CPUC), California Independent System Operator (CAISO), California Air Resources Board (CARB), Western Electricity Coordinating Council (WECC), utilities, and other experts and stakeholders.

Essential Duties

- 30% **Energy Standards Development.** Perform modeling and analyses of current and future electric generation system markets and electric generation system operations that will be used to evaluate energy resource use impact potential, including potential consumer cost impacts, attributable to electricity use by appliances. Assess new and emerging technologies associated with improving the end-use efficiency of appliances and their potential impacts on statewide electric system reliability and transition to renewable / non-emitting energy resources. Analyze resource planning scenarios and needs assessments regarding the impacts of potential standards on electricity system operations and California's ability to ensure reliability and resource needs are met at lowest costs to consumers, utilities, and grid operators. Evaluate the economic consequences of generation costs attributable to appliances to the electric utilities and members of the public. Analyze impacts of technology standards for appliances on electric system reliability and resiliency, and the operational and economic impacts of appliances on California's electric system.
- 25% **Program Support.** Participate in or lead project work teams needed to execute programs and projects, and coordinate team efforts. Implement or advance use of the Modernized Appliance Efficiency Database System (MAEDbS) to support manufacturer compliance with adopted standards. Analyze, evaluate, design and implement generation system models. Provide support and technical assistance, conduct research and analysis, coordinate, and leverage cross-program efforts within CEC and with other agencies; provide outreach, education, and presentations to decision makers, stakeholders, and the public. Plan and conduct public workshops and outreach events to gather input from external stakeholders from around the state. May be responsible for CEC reports and may lead other Appliance Efficiency Branch staff in carrying out project responsibilities.
- 20% **Flexible Energy & Decarbonization.** Coordinate with appropriate CEC teams working on load flexibility and decarbonization to provide necessary information on impacts of proposed minimum efficiency or performance standards and the degree to which potential standards support grid stability and reduce curtailment of renewable generation. Provide updates for seasonal, geographic, or utility-specific changes to load shapes attributable to the impacts of efficiency standards. Analyze and report on operational profiles of appliance types to determine how they can be utilized and best integrated into electric system operations to meet reliability and operational requirements. Synthesize and communicate complicated information in a simple consumer-friendly manner. Prepare reports, present and testify at workshops and hearings, and present to staff, management, Commissioners, and the public on issues associated with electricity system and market developments relative to demand flexible appliance standards.
- 10% **Work Authorization Management.** Assist or manage work authorizations, research, and grant programs as a subject matter expert related to electric generation data. Provide technical input and support to other divisions or agencies analyses, research, and/or pilot activities.
- 10% **Public Process Support.** Develop and maintain working relationships with key electric generation industry stakeholders and respond to requests for technical assistance and information from the public, governmental agencies, utilities, and other organizations interested in energy efficiency policy, programs, and technologies. Monitor and participate in CPUC, CAISO, WECC, and other agency proceedings and activities identified by management. Attend webinars and workshops; review papers, proposals, and public comments; and engage with agency staff and other participants, as necessary. Provide briefings and updates to staff, other divisions, management, and Commissioners on the proceedings, decisions, and the impact



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those decisions could have on the statewide electricity system, including load shift or demand response needs.

Marginal Duties

5% Perform other duties as required, consistent with the specifications of the classification.

Working Conditions

The CEC supports a hybrid workplace model with office-based and remote-centered workers. Limited in-person attendance and occasional travel may be required based on the needs of the division. Regular and consistent attendance is essential to successful performance. This position is remote-centered, which means the incumbent works 50 percent or more of their time from an alternate work location.

Diversity and Inclusion Statement

Serving all Californians, the CEC embodies diversity, equity, and inclusion, and has taken an active and meaningful role in creating an environment that enables each employee to thrive.

Employee's Acknowledgement: I certify that I am able to perform, with or without the assistance of a reasonable accommodation, the essential duties of this position.

Employee's Name (Print): _____

Employee's Signature: _____ **Date:** _____

Supervisor's Acknowledgment: I certify this duty statement represents a current and accurate description of the essential functions of this position. I have discussed the duties of this position with and provided the above-named employee a copy of this duty statement.

Supervisor's Name (Print): _____

Supervisor's Signature: _____ **Date:** _____