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

Classification: Senior Electrical Engineer

Working Title: Senior Electrical Engineer

Position Number: 535-460-3600-001

Division/Branch: Efficiency/Load Flexibility

Collective Bargaining Identifier (CBID): R09

Work Week Group (WWG): E

Effective Date: January 16, 2025

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 the general direction of the Branch Manager of the Load Flexibility Branch of the Efficiency Division, the incumbent will perform the more difficult electrical engineering assignments involved in the field of end-use and distribution system level electrical demand flexibility, management, and control technologies. The Load Flexibility Branch has primary responsibility for implementing Sections 25213, 25218(e), 25402(f) and 25403.5 of the Public Resources Code via the adoption of minimum standards and other regulations. 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 Load Flexibility Branch activities. The incumbent will serve as a subject matter expert 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.

Essential Duties

35% **Engineering Analyses**. Perform the most complex and difficult engineering research work to support Load Flexibility Branch projects and activities by providing policy and program development, implementation, and improvements. Analyze and oversee development of goals and metrics as related to appliance standards, including with respect to plug-load energy efficiency, demand response / load management impacts, and overall levels of

compliance with adopted standards. Prepare reports, analyses, and evaluations of the CEC's progress toward achieving statewide greenhouse gas reduction goals.

35% **Appliance Standards Development**. Provide quality review on contractor and staff analyses and engineering work. Lead complex technical and engineering assignments supporting the development and implementation of the Load Management Standards Program and Flexible Demand Appliance Standards Program. Lead in analyzing issues associated with new technologies and end uses related to consumer appliances and commercial/industrial equipment. Plan, organize, and direct efforts of junior staff in the standards development and adoption process, including staff's conducting of pre-rulemaking and rulemaking processes consistent with the requirements of the Administrative Procedure Act. Provide direction to junior technical staff in developing analyses supporting potential appliance standards related to their technical feasibility and cost effectiveness, and in regard to appliance energy characteristics and existing market conditions.

25% **Technical Support.** Serve as expert resource for the Load Flexibility Branch and provide professional electrical engineering advice to management, Commissioners, and stakeholders. Respond to requests for technical assistance and information from project proponents and others interested in energy policy, efficiency programs, and technologies. Review work of other electrical engineers and provide guidance to resolve complex technical issues and problems. Advise the Governor's Office, Commissioners, executive management staff, legislative bodies, governmental entities, and appliance efficiency organizations regarding energy efficiency policies, programs, and technical issues. Coordinate and develop policy and legislative recommendations through the annual Integrated Energy Policy Report (IEPR) process and direct the development of work products resulting from recommendations adopted under annual IEPR reports as directed by division management.

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 Name (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): Rajiv Dabir

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

State of California
California Energy Commission

DUTY STATEMENT

CEC-004 (Revised 5/2023)

Classification: Associate Electrical Engineer

Working Title: Associate Electrical Engineer

Position Number: 535-460-3603-XXX

Division/Branch: Efficiency/Load Flexibility

Collective Bargaining Identifier (CBID): R09

Work Week Group (WWG): 2

Effective Date: January 16, 2025

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 the direction of the Branch Manager of the Load Flexibility Branch of the Efficiency Division, the incumbent will perform a wide variety of difficult electrical engineering assignments involved in the field of end-use and distribution system level electrical demand flexibility, management, and control technologies. The Load Flexibility Branch has primary responsibility of implementing Sections 25213, 25218(e), 25402(f) and 25403.5 of the Public Resources Code via the adoption of minimum standards and other regulations. 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 Load Flexibility Branch activities. The incumbent will serve as a more 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.

Essential Duties

30% **Engineering Analyses**. Perform engineering research work to support Load Flexibility Branch projects and activities by providing policy and program development, implementation, and improvements. Perform complex office-centric electrical and electronic engineering work, centered on electrical designs of appliances and appliance controls and the prevalence and marginal costs of including demand flexibility control features. Document findings and determinations in a form and format useful for proposing and adopting minimum standards via formal rulemaking.

30% **Appliance Standards Development**. Lead varied technical and engineering assignments supporting the development and implementation of the Load Management Standards and Flexible Demand Appliance Standards Programs. Lead in analyzing issues associated with new technologies and end uses related to consumer appliances and commercial/industrial equipment. Plan, organize, and direct the standards development and adoption process, including pre-rulemaking and rulemaking processes consistent with the requirements of the Administrative Procedure Act. Provide direction to junior technical staff in developing analyses supporting potential appliance standards related to their technical feasibility and cost effectiveness, and regarding appliance energy characteristics and existing market conditions.

20% **Technical Feasibility Assessment**. Perform varied technical and engineering assignments supporting the development and implementation of minimum prescriptive and performance standards for demand flexibility control features in end-use energy consuming devices (including consumer products and commercial and industrial equipment) in support of the Load Management Standards and Flexible Demand Appliance Standards Programs. Analyze issues associated with new technologies and end uses related to automation of device energy use, including scheduling of operation and automated response to external control signals. Determine feasibility, estimated cost, and likely benefit of incorporating demand flexibility control features into various specific end use devices.

10% **Documents and Deliverables.** Prepare complete and comprehensive engineering reports on results of Engineering Analyses and Technical Feasibility Assessment to support rulemaking activities for adopting regulations establishing minimum standards for incorporation of demand flexibility control features into appliances sold or offered for sale within California.

5% **Technical Support.** Serve as lead technical resource for the Load Flexibility Branch and provide professional electrical engineering advice to management, Commissioners, and stakeholders. Respond to requests for technical assistance and information from project proponents and others interested in energy policy, efficiency programs, and technologies.

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.

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Employee's Name (Print): _____

Employee's Name (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): Rajiv Dabir

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