STATE OF CALIFORNIA  
DUTY STATEMENT  
CEC-004 (Revised 2/2022)

**Classification:** Electric Generation System Specialist I  
**Working Title:** Distributed Energy Resource Specialist  
**Position Number:** 535-820-4841-001  
**Division/Branch:** Energy Assessments/Demand Analysis - Demand Forecasting Unit  
**Collective Bargaining Identifier (CBID):** R09  
**Work Week Group (WWG):** 2  
**Effective Date:** August 15, 2022  
**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 an Electric Generation System Specialist II in the Demand Forecasting Unit, the incumbent performs, at the full journey level, varied, and complex analytical work in the field of distributed energy resource (DER) system planning. The incumbent is responsible for performing technical and analytical assignments pertaining to quantifying and forecasting California’s DER energy supply and consumption for incorporation into the state’s Integrated Energy Policy Report (IEPR). This requires refining data collection techniques to accurately capture DER system supply and consumption data; as well as improving and maintaining computer simulation models to accurately forecast DER energy supply and consumption. To generate forecast results, the incumbent may perform impact studies focused on current and emerging DER technologies, along with regulatory policy which may affect the electrical grid system. The incumbent will be required to develop and clearly articulate technical information for oral and written presentations to advise Branch Managers, Division Administrators, and Commissioners on a wide variety of DER system planning subject-matter. The incumbent may act as a team leader or coordinate the efforts of representatives of various governmental agencies on larger projects.

**Essential Duties**

35% Serves as a subject matter expert to initiate, plan, and coordinate projects needed to prepare the forecast of behind-the-meter electricity generation and consumption associated with DERs, including solar photovoltaics and stationary energy storage systems. Assesses the market potential of DER electricity supply and consumption in the residential and non-residential sectors as part of the IEPR. Analyzes the impact of retail and wholesale electricity and natural gas prices on the adoption of DERs. Evaluates how tax incentives, subsidies, retail rate design, and net metering policies affect the development of new DER projects. Determines the environmental impacts of DERs relative to the state’s greenhouse gas emission reduction goals.

35% Provides expertise and leadership in developing, revising, and maintaining the CEC’s computer simulation models that estimate California’s existing and future energy supply associated with behind-
the-meter DER facilities, especially the energy that is produced and consumed on site. Develops technical assumptions and operational characteristics of DER technologies to predict future influences on the electrical grid system. Examples of assumptions around operational characteristics include solar PV electricity generation hourly profiles and battery storage charge and discharge hourly profiles.

15% Serves as the Energy Commission’s technical expert on DER issues related to energy demand forecasting. As an expert on energy produced and consumed by behind-the-meter distributed energy resources, the incumbent participates in Energy Commission, Public Utilities Commission, and other workshops, conferences, and proceedings which address energy demand forecasting, net energy metering development, DER technology market trends, and related topics. Coordinates and directs technical discussions on behind-the-meter distributed generation issues in the Demand Analysis Working Group. Responds to questions and data requests relevant to the DER forecast.

Marginal Duties

10% Manages contracts for professional services as needed. Performs innovative research and prepares written and oral technical reports on other energy demand related topics as needed.

5% Performs other duties as required consistent with the job specifications of this classification.

Working Conditions

The California Energy Commission offers a hybrid workplace model that is designed to support a distributed workforce of both office-based and remote-centric workers that relies on a high level of telework. Limited-in person attendance and occasional travel may be required based on the needs of the division. Regular and consistent attendance - whether office-based or remote-centric - is essential to the successful performance in this position. Additional hours beyond an eight-hour workday or forty-hour workweek may be required. This position is remote centered which means the incumbent works 50 percent or more of their time monthly from an alternate work location.

Diversity and Inclusion Statement

As a state agency serving all Californians, the California Energy Commission is committed to being an organization that embodies diversity, equity, and inclusion. The Energy Commission plays 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): Alexander Lonsdale

Supervisor’s Signature: ____________________________ Date: _____________
STATE OF CALIFORNIA

DUTY STATEMENT
CEC-004 (Revised 2/2022)

Classification: Energy Analyst
Working Title: Distributed Energy Resource Analyst
Position Number: 535-820-5837-XXX
Division/Branch: Energy Assessments/Demand Analysis - Demand Forecasting Unit
Collective Bargaining Identifier (CBID): R10
Work Week Group (WWG): 2
Effective Date: August 15, 2022
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 supervision of an Electric Generation System Specialist II in the Demand Forecasting Unit, the incumbent performs work of average difficulty in a variety of consultative and analytical assignments in the field of distributed energy resource (DER) system planning. The incumbent is responsible for performing technical and analytical support assignments pertaining to quantifying and forecasting California’s DER energy supply and consumption for incorporation into the state’s Integrated Energy Policy Report (IEPR). This work involves refining data collection techniques to accurately capture DER system supply and consumption data; as well as improving and maintaining computer simulation models to accurately forecast DER energy supply and consumption. To generate forecast results, the incumbent may assist with the development of impact studies focused on current and emerging DER technologies, along with regulatory policy which may affect the electrical grid system. The incumbent will be required to develop and clearly articulate technical information for oral and written presentations to Branch Managers, Division Administrators, and Commissioners on a wide variety of DER system planning subject-matter. The incumbent may assist in coordination efforts of various governmental agencies on larger projects.

Essential Duties

40% Assists the DER technical lead’s effort to initiate, plan, and coordinate projects needed to prepare the forecast of behind-the-meter electricity generation and consumption associated with DERs, including solar photovoltaics and stationary energy storage systems. Supports the assessment of the market potential of DER electricity supply and consumption in the residential and non-residential sectors as part of the IEPR. Assists in studies to determine the impact of retail and wholesale electricity and natural gas prices on the adoption of DERs. Aids with studies focused on how tax incentives, subsidies, retail rate design, and net metering policies affect the development of new DER projects. Determines the environmental impacts of DERs relative to the state’s greenhouse gas emission reduction goals.
40% Aids in developing, revising, and maintaining the CEC’s computer simulation models that estimate California’s existing and future energy supply associated with behind-the-meter DER facilities, especially the energy that is produced and consumed on site. Develops technical assumptions and operational characteristics of DER technologies to predict future influences on the electrical grid system. Examples of assumptions around operational characteristics include solar PV electricity generation hourly profiles and battery storage charge and discharge hourly profiles.

15% As an analyst on energy produced and consumed by behind-the-meter distributed energy resources, the incumbent may participate in Energy Commission, Public Utilities Commission, and other workshops, conferences, and proceedings which address energy demand forecasting, net energy metering development, DER technology market trends, and related topics. Supports technical discussions on behind-the-meter distributed generation issues in the Demand Analysis Working Group. Responds to questions and data requests relevant to the DER forecast.

Marginal Duties

5% Performs other duties as required consistent with the job specifications of this classification.

Working Conditions

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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): Alexander Lonsdale

Supervisor’s Signature: ____________________ Date: _____________