STATE OF CALIFORNIA

DUTY STATEMENT

CEC-004 (Revised 2-/2022)

Classification: Electric Generation System Specialist I

Working Title: Associate Zero-Carbon Technology Analyst

Position Number: 535-810-4841-951

Division/Branch: Energy Assessments/Supply Analysis – Energy Reliability Unit

Collective Bargaining Identifier (CBID): R09

Work Week Group (WWG): 2

Effective Date: August 29, 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 the Electric Generation System Specialist III in the Supply Analysis Branch (SAB) within the Energy Assessments Division (EAD), the incumbent performs or directs complex engineering, economic, and market analyses regarding emerging zero-carbon and firm zero-carbon technologies at the full journey working level. Emerging zero-carbon and firm zero-carbon technologies including, but are not limited to, hydrogen, energy storage, and geothermal technologies. The incumbent serves as the SAO's lead analyst for emerging zero-carbon and firm zero-carbon technologies. Analysis performed by the incumbent provides decision-makers and the public with timely, useful information and objective analyses of electricity systems, markets, and issues. The incumbent may serve as a project lead over other technical and analytic staff.

Essential Duties

40% Develops, prepares, and reviews technical and market analyses on emerging zero-carbon technologies, zero-carbon firm technologies, and zero-carbon and renewable fuels. Conducts literature searches and synthesizes data on technology performance and cost trends. Contacts and works with internal and external technology experts to understand the technology, economic and technology development projections, technology limitations, and implementation of these technologies as part of an electric generation facility. Analyzes the value of emerging technologies to the electricity system and potential market penetration, considering interactive effects of the transition to a zero-carbon electricity system, increased electrification, and a changing technology landscape. Acts as a subject matter expert on technology development, deployment, and economics. Provides data and documentation necessary to properly characterize emerging zero-carbon technologies in reports, presentations, and analytical models.

30% Serves as a project lead and technical writer for electricity system studies, reports, papers, and presentations. Organizes and contributes to the development of study scopes, analytical workplans, and report development. Works with a wide variety of technical analyst and experts to facilitate

effective project planning, management, and communication, as well as foster robust public engagement. Tracks project progress, identifies barriers and limitations, suggests project alternatives, reports on progress, and recommends adjustments as needed. Coordinates the development of project documentation and technical reports. Synthesizes and communicates complicated information in a simple consumer-friendly manner as a technical writer for various projects.

25% Monitors and, as requested by Energy Commission management, participates in California Public Utilities Commission, California Independent System Operator, California Air Resources Board, Western Electricity Coordinating Council, Western Interstate Energy Board, Western Interconnection Regional Advisory Body, and other organization proceedings and activities identified by management. Incumbent will attend webinars and workshops; review papers, proposals, and comments; and engage with agency staff and other participants as appropriate. The incumbent may provide the Energy Assessments Division, other divisions, the Executive Office, and Commissioners briefings and updates on the proceedings, decisions being made, and the impact those decisions could have on the electricity system.

Marginal Duties

5% Performs other duties as required, consistent with the specifications of the 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. Additional hours beyond an eight-hour workday or forty-hour workweek may at times be required. Regular and consistent attendance - whether office-based or remote-centric - is essential to the successful performance in this position. This position is remote centered which means the incumbent works 50 percent or more of their time monthly from an alternate work location (i.e., teleworking).

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): _____

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

STATE OF CALIFORNIA

DUTY STATEMENT

CEC-004 (Revised 2/20222)

Classification: Energy Analyst

Working Title: Apprentice Zero-Carbon Technology Analyst

Position Number: 535-810-5837-950

Division/Branch: Energy Assessments/Supply Analysis – Energy Reliability Unit

Collective Bargaining Identifier (CBID): R10

Work Week Group (WWG): 2

Effective Date: August 29, 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 the Electric Generation System Specialist III in the Supply Analysis Branch (SAB) within the Energy Assessments Division (EAD), the incumbent performs engineering, economic, and market analyses of average difficulty regarding emerging zero-carbon and firm zero-carbon technologies. Emerging zero-carbon and firm zero-carbon technologies include, but are not limited to, hydrogen, energy storage, and geothermal technologies. The incumbent serves as one of the primary analysts providing analytical and technical support regarding emerging zero-carbon and firm zero-carbon technologies. Analysis performed by the incumbent provides decision-makers and the public with timely, useful information and objective analyses of electricity systems, markets, and issues. The incumbent serves as a team member on medium- to large-scale projects.

Essential Duties

40% Under technical guidance, the incumbent assists in the development-, preparation, and review of technical and market analyses on emerging zero-carbon technologies, zero-carbon firm technologies, and zero-carbon and renewable fuels. Conducts literature searches and synthesizes data on technology performance and cost trends. Contacts and works with internal and external technology experts to learn and understand the technology, economic and technology development projections, technology limitations, and implementation of these technologies as part of an electric generation facility. Assists in analyses of the value of emerging technologies to the electricity system and potential market penetration, considering interactive effects of the transition to a zero-carbon electricity system, increased electrification, and a changing technology landscape. Serves as analytical support regarding technology development, deployment, and economics. Maintains and provides data and documentation necessary to properly characterize emerging zero-carbon technologies in reports, presentations, and analytical models.

30% Provides support for project management and technical writing for electricity system studies, reports, papers, and presentations. Contributes to the development of study scopes, analytical workplans,

and report development. Works with a wide variety of technical analysts and experts to support project planning, management, and communication, as well as encourage public engagement. Tracks project progress, identifies barriers and limitations, suggests project alternatives, reports on progress, and recommends adjustments as needed. Contributes to the development of project documentation and technical reports. Synthesizes and communicates complicated information in a simple consumer-friendly manner as a technical writer for various projects.

25% Under guidance, monitors and, as requested by Energy Commission management, participates in California Public Utilities Commission, California Independent System Operator, California Air Resources Board, Western Electricity Coordinating Council, Western Interstate Energy Board, Western Interconnection Regional Advisory Body, and other organization proceedings and activities identified by management. Incumbent will attend webinars and workshops; review papers, proposals, and comments; and engage with agency staff and other participants as appropriate. The incumbent may provide the Energy Assessments Division, other divisions, the Executive Office, and Commissioners briefings and updates on the proceedings, decisions being made, and the impact those decisions could have on the electricity system.

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Supervisor's Name (Print): _____

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