



**State of California**  
**California Energy Commission**  
**DUTY STATEMENT**  
CEC-004 (Revised 4/2024)

**Classification(s):** Electric Generation System Program Specialist I

**Working Title:** Electric Generation System Program Specialist I

**Position Number:** 535-780-4847-XXX

**Division/Branch or Office:** Siting, Transmission and Environmental Protection Division / Climate Initiatives Branch/Offshore Renewable Energy Planning Unit

**Collective Bargaining Identifier (CBID):** R09

**Work Week Group (WWG):** E

**Date Approved:** 9/13/2024

**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 the general direction of a Program and Project Supervisor of the Offshore Renewable Energy Planning Unit in the Climate Initiatives Branch of the Siting, Transmission and Environmental Protection Division, the Electric Generation System Program Specialist I (EGSPS I) is required to have a high degree of skill to be able to lead and be responsible for varied, difficult, and complex technical analyses. As a subject-matter expert, the incumbent will perform complicated analytical studies and consultative assignments in the field of electric generation and transmission system planning program areas including, offshore renewable energy integration and reliability, and supporting infrastructure requirements, particularly transmission and distribution system needs. As the lead for Senate Bill 605, the incumbent will perform analytical studies regarding the feasibility, costs, and benefits of wave and tidal energy, including advanced spatial analyses of the ocean and coastal environment. Also, evaluate transmission infrastructure needs and options, including subsea cables, and transmission planning strategies to develop offshore renewable energy resources and other renewable and zero-carbon resources. Conduct analysis to support the planning, siting and development of energy and transmission infrastructure in an environmentally responsible manner. Work cooperatively with the different Energy Commission program staff involved in electric system infrastructure planning and development activities to improve the deployment of new electric generation and transmission opportunities within the western electricity system and its regulatory structure. This includes the ability to evaluate new and emerging generation, distribution, and transmission to advance offshore renewable energy goals and policies, Renewable Portfolio Standard and zero carbon resource targets, and greenhouse gas emission reduction goals, while maintaining a reliable and cost-efficient generation system.

The incumbent will perform complex spatial analyses of the ocean and coastal environment for offshore renewable energy resources, such as wave, tidal, and wind energy and communicate those analyses to the public to support state-led and federal-led ocean renewable energy planning.

## **Essential Duties**

40% As a subject matter expert, independently plan, organize, lead and conduct complicated studies and analyses of electricity generation and storage technologies including offshore renewable energy resources, fuel and infrastructure implications, electric system reliability requirements over forecast planning periods, and evaluations of transmission and distribution system development opportunities. Evaluate new electric generation, storage and transmission technologies, especially those new and emerging technologies associated with offshore renewable energy and integrating advanced renewable resources. Evaluate difficult engineering, economics and cost-benefit studies, system cost effectiveness assessments, environmental implications for permit requirements and risks for regulatory approvals, and societal benefit assessments of electric resource, fuel needs and transmission development options. Address new methods to integrate new and emerging technologies such as offshore renewable energy into the existing electricity system. Results of analyses will be inputs for the Energy Commission's transmission and distribution system need studies and regulatory and statutorily required reports and plans.

30% Evaluate opportunities for generation, storage, fuel, distribution and transmission infrastructure development throughout broad geographic areas; identify land use issues and environmental implications for energy infrastructure development throughout California and the West, including the ocean environment; monitor energy and transmission project proposals and feasibility for development; and establish working relationships with local, state, federal government jurisdictions to coordinate generation, storage, distribution and transmission planning activities. Ensure that information, analyses, and policy concerns are integrated with the Energy Commission's policies and priorities.

15% Provide input to the Integrated Energy Policy Report (IEPR), other Energy Commission reports, and collaborative inter-agency reports as necessary; participate in regional electric generation, storage, fuel and transmission study working groups; provide information of energy infrastructure development and planning studies; participate in briefings, meetings, workshops, hearings, technical conferences, and other public forums. Assist in planning, organizing, and conducting public events to share information with electricity market participants, representatives of other government agencies, and the general public.

10% Advise Commissioners, management, staff, legislative bodies, and others on the results of completed engineering, economics and cost-benefit studies, performance and cost effectiveness analyses of electricity systems showing the impact of integrating new and emerging alternative electric generation, storage and transmission technologies.

## **Marginal Duties**

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



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**Knowledge, Skills, and Abilities**

Knowledge of: California Public Resources Code pertaining to energy conservation and development; design and operation of existing electrical generating facilities (nuclear, coal, oil, combustion, and hydro), advanced electrical generating technologies; environmental and economic aspects of various fuel types; generation expansion modeling techniques and approaches; electricity system planning and operation; power system economics alternative generation technologies and environmental consequences of generation facility construction and operation.

Ability to: Evaluate alternative generation methods; develop viable resource plans and supply mix strategies; analyze environmental and economic impacts; evaluate utility proposed resource plans for compatibility with electrical demand forecast; design and use mathematical modeling techniques for use in generation system planning; develop and present oral and written testimony in resource planning and environmental impacts; analyze energy and electricity data and develop technical information both orally and in writing; consult with and advise Office Managers, Division Administrators and Commissioners on a wide variety of electric generation system planning subject-matter areas; coordinate the work of others, act as a team or conference leader.

**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. position is remote-centered, which means the incumbent works 50 percent or more of their time from an alternate work location, and at least 40 percent of their time from the office headquarters.

**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):** Eli Harland

**Supervisor's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_