STATE OF CALIFORNIA

DUTY STATEMENT
CEC-004 (Revised 2/2022)

Classification(s): Senior Engineer Water Resources

Working Title: Geo Sciences Unit Senior

Position Number: 535-770-3261-001

Division/Office: Siting, Transmission and Environmental Protection / Engineering Branch

Collective Bargaining Identifier (CBID): S09

Work Week Group (WWG): E

Effective Date: June 7, 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 general direction of the Supervising Mechanical Engineer, the Senior Engineer, Water Resources serves as a subject-matter expert and is responsible for leading and directing the complex technical work of the Geo Sciences unit, the unit subject areas are comprised of engineering geology, civil engineering, paleogeology, soil science, erosion control, hydrogeology, and waste management. The incumbent also oversees and directs the work of consultants hired through contract to assist with workload beyond the available resources in the unit. The incumbent shall maintain registration as a civil engineer issued by the California State Board of Registration for Professional Engineers.

Staff and consultants evaluate the construction, operation and maintenance of thermal energy facilities including power plants for water supply, water quality, wastewater disposal and groundwater discharges to surface waters, waste and toxic chemical management, hazardous waste disposal, toxic contamination of groundwater and soil, storm water flows, stream alterations and flow rates, groundwater development and utilization, soil types, erosion control and stabilization practice. The unit also evaluates mineral, geologic and paleontologic resources and geologic hazards to assess the potential impacts on human health and the environment. The staff in the unit review all project sites and the many highly complex issues involving geologic hazards, seismic hazards, soil and groundwater contamination, discharges to impaired water bodies, and depleted groundwater and surface water resources. Responds to water quality, soils, and waste management issues regarding power plant construction and operation.; Conduct investigations into the operation and construction of power plants licensed
by the Energy Commission to determine if any violations of the conditions of certification or the California Environmental Quality Act (CEQA) have occurred and recommends enforcement actions where appropriate. The incumbent may be required to represent the Energy Commission at meetings with the staff of various federal, state, and local regulatory bodies. The Senior directs the work of staff and consultants completing technical reviews of power plants, data centers, electric transmission lines, wastewater pipelines, natural gas pipelines, water supply lines using models such as FEMFLOW and MODFLOW (groundwater, surface water, water quality, water flow, and contaminant migration), Integrated Water Flow Model (IGSM2) (surface and groundwater modeling), and HEC-RAS (for surface water and channel flow).

The incumbent oversees and directs the work of staff and consultants conducting investigations, studies and analytical evaluations that contribute to the Energy Commission's overall statewide policy and planning responsibilities. The incumbent will make presentations on the more complex policy issues at public workshops and hearings. These reports, that include analyses and short term/long term policy recommendations are presented to the Governor for consideration and potential adoption every two years.

While performing the duties described above and below, the incumbent will be required to use a personal computer and Commission software such as word processing, spreadsheets, power point presentations, electronic mail, the Internet, and the economic and water resource models noted above.

**Essential Duties**

45% Assign, direct, and lead the work of staff in the areas of engineering geology, paleontology, civil and mechanical engineering, soil science, erosion control, hydrogeology, and waste management. Direct, evaluate and lead the work of consultants of the same or similar disciplines as Commission staff. Identify potential water resource, agriculture and soil resource, or waste management impacts and measures to mitigate impacts following the Energy Commission’s procedures, CEQA, and the regulations of numerous other state and federal agencies for newly proposed power plants and energy facilities. Collaborate on compliance issues with other division staff on the operation and maintenance of power plants which may include enforcement actions. Advise upper management and the Commissioners on the most complex water resources, agricultural and soil resources, waste management and environmental issues including plans and regulations prepared by federal, state and regional/local agencies. Review and act on work authorizations, invoices, contract modifications and ensure contract obligations are being met by the consultants. Develop work plans and budgets and make staff assignments to support these statewide policy initiatives. Serve as a mentor to staff in the performance of their duties.

20% Review, evaluate and ensure scientific investigations, technical analyses, draft and final staff assessments, and policy papers prepared by staff and consultants are coordinated and integrated with other technical disciplines within the Environmental and Engineering Offices are consistent with division and Commission policies and objectives, and are scientifically and technically sound, accurate, and appropriate for the intended audience. Ensure a high degree of quality control over all products to include accuracy, easily understandable, and critical deadlines are met. Apprise staff of any technical developments on projects and discusses scheduling requirements.
15% Evaluate and make recommendations on the adoption, deletion or modification of water resource, waste management, environmental or energy-oriented legislation, ordinances or regulations including new policies being proposed by the Energy Commission, and the implications of energy development proposals on the energy and electric infrastructure. Present the more complex technical staff reports and planning/policy recommendations to the Commissioners at evidentiary hearings, business meetings, workshops, including outside meeting, conferences and seminars.

10% Procures, trains, coaches, and encourages staff in the unit by providing direction and guidance. Completes regular performance evaluations of unit staff.

Marginal Duties

5% Develop and maintain liaison with federal, state, and local agencies to encourage involvement in the Commission's power plant licensing proceedings and ensure concerns of water resources, agriculture and soils resources, waste management, and environmental resources are integrated into Energy Commission assessments. Assess and address issues raised by federal, state, and local agencies, power plant developers, intervenors, the general public, and community-based citizens groups.

5% Perform 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. 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):  Geoff Lesh

Supervisor's Signature:_________________________  Date: ______________