



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

Classification(s): Air Pollution Specialist

Working Title: Air Pollution Specialist

Position Number: 535-610-3887-016

Division/Branch or Office: Fuels and Transportation / Zero Emissions Vehicles Acceleration Branch

Collective Bargaining Identifier (CBID): R09

Work Week Group (WWG): 2

Date Approved: [Month Day, Year]

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 close (Range A) or general (Range B or C) supervision of the Program and Project Supervisor, PUC in the Zero Emissions Vehicles Acceleration Branch of the Fuels and Transportation Division, the incumbent may serve as a team lead in the development and deployment of alternative fuel vehicles and electric vehicle charging and fueling infrastructure, including workforce training and development and equity initiatives in California. The incumbent will perform complex technical and analytical tasks and will work independently, participate in a team, and use scientific principles to evaluate vehicle and infrastructure issues and assist private and public partners to introduce improved vehicles, engines, charging and fueling stations, other related infrastructure, and training and equity considerations through joint funding of projects, technical assistance, and education and outreach activities.

The primary responsibilities of this position are to identify, assess and prioritize innovative, cost-effective strategies that reduce toxic air pollutants and greenhouse gas emissions to provide incentives for cost-effective approaches that achieve the goals of the Clean Transportation Program (CTP) and Greenhouse Gas Reduction Fund (GGRF) Programs.. They will assist with the development of grant funding opportunities and agreement management activities with an emphasis in zero- and near-zero emission vehicle and infrastructure areas, that transform California's fuel and vehicle types to meet the state's climate change policies. The incumbent will establish working relationships with other government agencies and industry stakeholders to ensure that the California Energy

Commission and the Clean Transportation Program have access to current technology information to inform policy recommendations that maintain and increase the development of incentive programs associated with alternative and renewable fuels and vehicle technologies.

Essential Duties

- 35% **Technical Assessments of Zero-Emission Fuels and Vehicles:** Perform technical work related to emission and greenhouse gas reduction strategies, using scientific principles to identify gaps and needs of underrepresented communities and individuals. Analyze current technical literature and technical vehicle air pollutant emissions data; report findings and make recommendations to management and impacted stakeholders both verbally and in writing. Develop solicitations and projects, based on those findings, to meet program goals for the development of alternative fuels and transportation energy technologies that transform California's fuel and vehicle types to help attain the state's climate change policies and greenhouse gas emission reduction.
- 25% **Regulatory and Guidance Development:** Serve as a team lead in the development and deployment of regulatory and guidance documents for the implementation of incentive and innovative financing programs in conjunction with other state agencies, and other affected stakeholders. Serve as team lead in the development and deployment of infrastructure for alternative fuel vehicles, managing economic incentives to stimulate vehicle and infrastructure purchases, organizing technical assistance consultations, and participating in meetings with infrastructure, vehicle, engine, and component part manufacturers to accelerate and expand the introduction of alternative fuel vehicles in California. Work with other Division staff to ensure considerations for workforce and equity are fully addressed in all aspects of funding solicitation, agreements, and specialized analysis and reports.
- 15% **Energy Commission Agreement Management:** Manage California Energy Commission grant agreements with electric vehicle charger and fueling station developers, fuel providers, workforce training providers, school districts, transit agencies, other state agencies, researchers, and equipment manufacturers. Develop work statements, budgets, schedules, and special terms and conditions for Clean Transportation Program solicitations, agreements, grants, contracts, and loans. Develop and present summations of proposed Clean Transportation Program agreements at Energy Commission Business Meetings for consideration. Oversee the tasks in the work statements and confirm the receipt of deliverables. Conduct site inspections of Energy Commission projects. Review and process invoices submitted by grant recipients and contractors. Collaborate with grant recipients and contractors so that all work, including data collection, the final report, and invoicing, is completed within the approved agreement term. Initiate and conduct analyses to support the agreement amendments. Develop and submit agreement amendments for approval. Assist with inputting agreement information and data into various spreadsheets and project invoicing management databases.
- 10% **Reporting and Assessing:** Independently prepare and finalize clear and accurate technical reports, issue papers, legislation analysis and regulatory documentation. Oversee the development of market assessment reports to evaluate fuel use penetration, market niche



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early adopters, funding gaps, business and workforce trends, and other factors that stimulate and impact the development, consumption, and use of alternative fuels in California. Research and report on the state-of-the-art (technology and cost) for alternative fuels and fueling infrastructure, including hydrogen, electric vehicles, and other technologies.

10% **Workshop Design and Implementation:** Design and facilitate workshops in alternative fuels, vehicles, and infrastructure, and/or workforce development and training to present findings. Provide briefings to Division management, Executive Office and the Lead Commissioner.

Marginal Duties

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

Knowledge, Skills, and Abilities

Knowledge of: Engineering, physics, chemistry, mathematics, natural sciences, and meteorology as related to air sanitation; research methods; scientific computer programming/modeling applications; methods of statistical analysis; principles and methods of measuring atmospheric conditions and pollution levels; methods of measuring automotive emissions; chemical and physical characteristics of air impurities and their interactions with the environment; principles and procedures of air quality management and vehicular emission control; complex statistical techniques and their fundamental bases; laws and regulations applicable to air quality and motor vehicle emission control.

Ability to: Collect environmental data; collect vehicular or stationary source emission data; analyze data and reach sound conclusions; calibrate complex air monitoring equipment; apply scientific methods and principles; apply computer programming and modeling skills; analyze situations and take effective action; work cooperatively with others; prepare clear, complete, and technically accurate reports; communicate effectively; plan, organize, and carry out studies and analyses; make oral presentations; coordinate the work of others; evaluate data and develop recommendations based on findings; operate in a lead capacity for special studies and projects.

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 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:** _____