

California Energy Commission



JOB OPPORTUNITY BULLETIN

CLASSIFICATION: AIR RESOURCES ENGINEER

TENURE: Permanent

TIME BASE: Full-Time

SALARY:
A: \$5,098 - \$6,078
B: \$5,837 - \$7,303
C: \$7,196 - \$9,000
D: \$7,631 - \$9,548

LOCATION: Advanced Vehicle Technologies Office
Fuels and Transportation Division
Sacramento, CA

FINAL FILING DATE: Until Filled

Are you interested in a career that makes a positive impact on California and the world? Are you excited about work relating to the use of alternative fuels and vehicle propulsion systems, especially electric and electric-hybrid propulsion systems? Would you like to be part of a talented and passionate team committed to developing innovative strategies and recommending public policy solutions that reduce greenhouse gas emissions, promote energy efficiency and reduce our dependence on petroleum? Are you prepared for an exciting challenge? If so, the California Energy Commission, a special funded agency, is seeking exceptional people to build upon California's transportation energy and energy efficiency successes, and shaping our energy future.

DUTIES/RESPONSIBILITIES:

Under the supervision of the Energy Resources Specialist III (Supervisory) in the Advanced Vehicle Technologies Office of the Fuels and Transportation Division, the incumbent will perform engineering calculations and analyses related to the use of alternative fuels and propulsion systems, including electric and electric-hybrid propulsion systems. The incumbent will serve as a School Bus Retrofit and Replacement Program (School Bus Program) and an Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP) resource for evaluating technologies including battery and fuel cell electric drive systems, electric vehicle charging infrastructure, and electricity grid and delivery improvements. The incumbent will also serve as an ARFVTP resource on the science and technologies applied in California's existing and planned refueling infrastructure. The incumbent will participate in team settings to analyze the efficacy of data and specifications provided by Original Equipment Manufacturers and other stakeholders, determine engineering cost effectiveness, analyze lifecycle and full fuel cycle impacts, and perform other quantitative comparisons of transportation fuels and technologies. The incumbent will conduct the analyses in concert with the requirements of the Alternative and Renewable Fuel and Vehicle Technology Program to stimulate alternative fuel use in the transportation sector, to help attain climate changes goals, reduce vehicle costs, improve vehicle operating efficiencies, expand alternative fueling infrastructure, and improve consumer preferences for alternative fuel vehicles.

DESIRABLE EXPERIENCE/QUALIFICATIONS: The successful applicant should have

- Knowledge of electric and hybrid-electric vehicle propulsion systems, including chemical batteries, mechanical batteries, and fuel cell driven electrical systems, and associated components and technologies.
- Knowledge of fueling and charging infrastructure technologies for electric and hybrid-electric vehicle propulsion systems, including power distribution and transmission systems, distributed generation, and smart grid systems.
- Knowledge of medium-duty and heavy-duty vehicle electric and hybrid-electric technologies.
- Knowledge of general automotive equipment engineering with an emphasis in electrical theory and practice, and power electronics and control system apparatus.
- Knowledge of transportation market evaluation methods and factors
- Knowledge of current private sector and public policy issues facing the market for alternative transportation fuels and technologies
- Knowledge of economic cost-effectiveness, cost-benefit, and quantitative analysis methodologies.
- Knowledge of state contracting procedures, and experience and ability to manage and direct complex contract activities to meet program goals and objectives.
- Ability to make effective presentations and interact effectively with both internal and external parties.
- Demonstrated ability to act as a team leader.
- Proficiency on a personal computer and familiarity with word processing, data base management, spreadsheets, models and graphics.
- Excellent analytical and report writing skills and the ability to reason logically and creatively while utilizing a variety of analytical techniques.
- Excellent communication skills including the ability to follow instructions and communicate ideas and thoughts effectively with a large diverse technical staff.
- Excellent interpersonal skills, including a proven ability to work in a team atmosphere under pressure effectively, as well as independently.

WHO MAY APPLY: Eligible candidates who are current state employees with status in the above classification, lateral transfers from an equivalent class who meet the minimum qualifications of this classification, former state employees who can reinstate into this class or persons who are reachable on a current employment list for this classification. Appointment is subject to the provisions of the SROA process: SROA/SURPLUS/ REEMPLOYMENT candidates are encouraged to apply and must attach a copy of their status letter in order to be considered. Applications will be screened and the most qualified may be contacted for an interview. Interested applicants must submit a completed Standard State Application (Form STD. 678) with an original signature, to the contact/address listed below. **You must clearly indicate the basis of your eligibility (i.e., list, transfer, SROA/Surplus, reinstatement, etc.), RPA #610-479 and Position #610-3735-005 in the “Explanation Section” of the STD. 678.**

***Please Note:** Possession of the minimum qualifications will be verified prior to the interview and/or appointment. If it is determined an applicant does not meet the minimum qualifications, the application may be forwarded to the State Personnel Board for review and the applicant’s name may be removed from the eligibility list.*

SUBMIT APPLICATIONS TO:

Personnel Services Office
ATTN: RPA #610-479
1516 9th Street, MS-3
Sacramento, CA 95814

View full Duty Statement:
<http://www.energy.ca.gov/careers/jobs.html>

For additional questions regarding this recruitment, you may contact (916) 654-4305 or email personnelservices@energy.ca.gov.

California Relay (Telephone) Service – TDD Phones: 1-800-735-2929 and Voice Phones: 1-800-735-2922