

DUTY STATEMENT

CALIFORNIA PUBLIC UTILITIES COMMISSION

DIVISION Safety and Enforcement Division		EFFECTIVE DATE
BRANCH/SECTION Electric Safety and Reliability Branch/Generation and Energy Storage Section		CLASS TITLE Utilities Engineer
WORKING DAYS AND WORKING HOURS Monday through Friday 8:00 a.m. to 5:00 p.m.		PHYSICAL WORK LOCATION San Francisco or Sacramento
INCUMBENT (If known)		CURRENT POSITION NUMBER (Agency - Unit - Class - Serial)
You are a valued member of the department's team. You are expected to work cooperatively with team members and others to enable the department to provide the highest level of service possible. Your creativity and productivity are essential. Your efforts to treat others fairly, honestly and with respect are important to everyone who works with you.		
BRIEFLY (1 or 2 sentences) DESCRIBE THE POSITION'S ORGANIZATIONAL SETTING AND MAJOR FUNCTIONS: Under general direction of a Senior Utilities Engineer, Supervisor, the Utilities Engineer performs duties related to the Commission's oversight of electric generating facilities and energy storage systems including but not limited to enforcement of the requirements in Commission General Order 167-C and Public Utilities Code.		
% of time performing duties	Indicate the duties and responsibilities assigned to the position and the percentage of time spent on each. Group related tasks under the same percentage with the highest percentage first. <i>(Use additional sheet if necessary)</i>	
	<u>ESSENTIAL FUNCTIONS:</u>	
40%	Conduct audits and field inspections of electric generating facilities, including gas turbine plants, solar and wind facilities and energy storage systems to check their compliance and identify facility deficiencies and violations of Commission's General Orders, Public Utilities Codes, and industry standards. Prepare audit and inspection reports and follow up with regulated entities to verify completion of corrective actions and preventive measures identified as a result of CPUC audit and field inspections. Investigate safety incidents, outages, and complaints involving electric generating facilities and battery energy storage systems to determine the root causes and assess compliance of such systems with Commission requirements, applicable safety codes and standards, and industry practices. Analyze technical documents, evaluate facility policy and procedures, and prepare enforcement documents including Notices of Violation letters and Citations.	
25%	Work on engineering projects related to the safety and reliability of electric generating facilities and energy storage systems. Collect and analyze data on incidents and outages to identify causes and trends, and conduct failure analysis. Monitor and investigate forced and scheduled outages at generating electric facilities and energy storage systems. Review reports, compliance documents, procedures, policies, and engineering codes and standards to identify potential compliance issues and take enforcement actions. Provide technical expertise and make recommendations on safety, reliability, policies, and regulations affecting electric generating facilities and energy storage systems.	
10%	Support the section's summer reliability efforts by analyzing readiness actions and plans submitted by electric generating facilities and energy storage systems. Review daily power plant and energy storage system outage reports, assess and respond to forced outages through desk and field investigations (including occasional after-hours work), and compile outage information into reports for management. Conduct tabletop exercises, rapid response audits and short-notice inspections during summer season. Participate in summer reliability program activities including coordination meetings and briefings.	
10%	Participate in Commission proceedings, industry standards groups, and committees to improve and enforce safety and reliability standards for electric generating facilities and energy storage systems. Participate in Commission led proceedings to establish new rules and standards related to the design, construction, installation, operation, maintenance, and inspection of electric generation facilities and energy storage systems. Participate in workshops, provide expert testimony, and make recommendations as appropriate.	
10%	Represent the Commission in interactions with the public, other agencies, and stakeholders. Participate in review of proposed legislation. Respond to inquiries from the public, regulated entities, and other agencies. Support management on its priorities and assigned tasks.	

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5 %	<u>MARGINAL FUNCTIONS:</u> Perform other work-related duties as required. <u>KNOWLEDGE AND ABILITIES</u> <i>[From Class Specs]</i> Knowledge of: Engineering fundamentals, terminology, and economics; materials and methods of engineering construction; engineering mathematics and computer application to engineering problem-solving; physical properties of transportation and stationary utilities and standards of safety, service, and reliability; trends, issues, State and Federal requirements, and basic court decisions affecting public utilities and transportation regulation. Ability to: Make engineering computations; analyze engineering data; reason logically, creatively, and utilize a variety of analytical approaches to resolve regulatory problems; develop and evaluate alternatives; communicate effectively; prepare reports, correspondence, safety oversight plans, and exhibits; consult with and advise administrators, decision-makers, or other interested parties on a broad range of subject-matter areas; gain and maintain the confidence and cooperation of those contacted during the course of work. <u>WORK ENVIRONMENT, PHYSICAL OR MENTAL ABILITIES:</u> • Proficiency in computer software and communications related technologies. • Proficiency with communications-related technologies, including personal computer applications, telecommunications equipment, Internet, voicemail, email, etc. • Strong and effective interpersonal skills, ability to work both alone and collaboratively, listen to others with an open mind and treat everyone with courtesy and respect. • Ability to handle stressful situations, including working on a site of major safety incidents. • Dress appropriately for construction and maintenance environment, including use of Personal Protective Equipment. • Safely conduct inspections in a construction environment with open trenches, unpaved surface/terrain (wet and dry), woody areas, loud noise caused by equipment and/or machinery used, etc. • Ability to walk long distances over rough terrain in the field, climb stairs and in and out of underground structures, work in confined areas containing energized facilities. work at heights, work outside during abnormal or extreme weather conditions. • A valid California issued Class C Driver's License is required. Position subject to DMV Pull Notification. • Ability to drive in a rented, personal, or state-owned vehicle. • Ability to travel, including multi-day and/or overnight trips, to drive over 100 miles (as far as the state border). Travel hours may include regular hours, unusual hours, and/or weekends on short notice. • Withstand extreme weather and temperature conditions.	
SUPERVISOR'S STATEMENT: <i>I HAVE DISCUSSED THE DUTIES OF THE POSITION WITH THE EMPLOYEE</i>		
SUPERVISOR'S NAME (Print)	SUPERVISOR'S SIGNATURE	DATE
EMPLOYEE'S STATEMENT: <i>I HAVE DISCUSSED WITH MY SUPERVISOR THE DUTIES OF THE POSITION AND HAVE RECEIVED A COPY OF THE DUTY STATEMENT</i>		
The statements contained in this duty statement reflect general details as necessary to describe the principal functions of this job. It should not be considered an all-inclusive listing of work requirements. Individuals may perform other duties as assigned, including work in other functional areas to cover absence of relief, to equalize peak work periods or otherwise balance the workload.		
EMPLOYEE'S NAME (Print)	EMPLOYEE'S SIGNATURE	DATE