

DUTY STATEMENT

CALIFORNIA PUBLIC UTILITIES COMMISSION

DIVISION Energy		EFFECTIVE DATE
BRANCH/SECTION Electric Market Design and Resource Planning / Integrated Resource Planning – Transmission and Interconnection		CLASS TITLE Senior Utilities Engineer (Specialist)
WORKING DAYS AND WORKING HOURS Monday through Friday 9:00 a.m. to 5:30 p.m.		PHYSICAL WORK LOCATION San Francisco, Sacramento, or Los Angeles
INCUMBENT (If known)		CURRENT POSITION NUMBER (Agency - Unit - Class - Serial) 680-323-3510-003
YOU ARE A VALUED MEMBER OF THE INTEGRATED RESOURCE PLANNING TEAM. YOU ARE EXPECTED TO WORK COOPERATIVELY WITH TEAM MEMBERS AND OTHERS TO ENABLE THE ENERGY DIVISION TO PROVIDE THE HIGHEST LEVEL OF SERVICE POSSIBLE. YOUR CREATIVITY AND PRODUCTIVITY ARE ENCOURAGED. 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: This section supports the work of the Commission on issues related to integrated resource planning, including transmission and interconnection planning, and technical support of policy goals. Work areas supported include, but are not limited to: Integrated Resource Planning, integration of renewable generation, electric transmission planning, reliability standards, interconnection policies. The incumbent will consider electric grid technical standards in policy analysis, stakeholder engagement, and internal processes. They act as a technical lead or expert and participate as a team member on major long-term projects.		
% 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>	
35%	<u>ESSENTIAL FUNCTIONS:</u> Lead transmission and interconnection workstreams. Responsible for project management and technical work in the performance of varied and complex engineering research and analysis tasks involving electric transmission planning and interconnection of new resources into the electric grid. Incumbent will develop expertise in emergent technologies and policies as necessary. Participate in the review of the need for new resources to receive interconnection throughout the transmission system, including coordination between generation and transmission planning. Understand the technical standards driving the need for new transmission elements, such as new substations, new transmission lines, or alternative technologies (e.g. dynamic line rating). Review and interpret data for inputs and outputs of resource models related to resource planning, including capacity expansion modeling, production cost modeling, and power flow studies.	
20%	Monitor and support Integrated Resource Planning and Resource Adequacy rulemakings, California Independent System Operator Interconnection Tariff reform processes, CPUC or Federal Energy Regulatory Commission proceedings related to transmission projects, interconnection rules, or transmission rules. Review and understand stakeholder input into policy proposals related to transmission and interconnection processes and projects needed to meet the State's clean energy goals. Review and recommend proposed tariff modifications, review utilities' advice letter filings and recommend Energy Division or Commission approval, rejection or modification, as appropriate. Prepare draft resolutions or nonstandard disposition letters as appropriate. Process utility reports filed in compliance with Commission decisions.	
20%	Educate decision makers about technical aspects of utility operations, policies, and projects related to the interconnection of new resources into the electric grid. Understand utility processes for reviewing interconnection applications, establishing interconnection agreements, and delivering interconnection related network upgrades. Understand challenges facing load serving entities with respect to understanding information on transmission and interconnection planning. Understand challenges facing generation and storage developers seeking to interconnect to the electric grid; make policy recommendations to address these challenges.	

DUTY STATEMENT

CALIFORNIA PUBLIC UTILITIES COMMISSION

15%	<p><u>ESSENTIAL FUNCTIONS (CONTINUED):</u></p> <p>Write position papers on topics within, but not limited to, the areas listed in the above functional categories. Answer written and oral questions from the public on issues within the incumbent's experience. Convey complex information in a way that is readily understood by decision makers. Process utility reports filed in compliance with Commission decisions. Respond to written and oral questions from the public on issues within the functional areas above. Utilize communication skills to foster consensus around technical topics among stakeholders. Provide assistance and support to other sections on related matters of expertise. Organize meetings and workshops on technical matters. Review and comment on pending electric power related legislation and policy proposals.</p>
10%	<p><u>MARGINAL FUNCTIONS:</u></p> <p>Organize technical meetings and workshops on electric power related topics. Provide consultation to colleagues who do not have an engineering background on technical issues, such as power system operation, resource planning modeling, interpretation of general orders, characteristics of transmission and distribution lines.</p> <ul style="list-style-type: none">• Perform other related job duties as required.• Coordinate with analysts in other sections or branches on related issues.• To the extent relevant to incumbent's work, assist the Commission with its implementation of the following cross-cutting efforts: Policy and program oversight work to ensure energy system is safe; Environmental and Social Justice Action Plan such that CPUC programs and decisions advance equity throughout the state; and Integrated Resource Planning to achieve the state's greenhouse gas goals at the least cost to ratepayers.

DUTY STATEMENT

CALIFORNIA PUBLIC UTILITIES COMMISSION

KNOWLEDGE AND ABILITIES [From Class Specs]

Knowledge of: California Public Utilities Code and General Orders; trends, issues, State and Federal requirements and basic court decisions affecting public utilities and transportation regulation; traditional rate-making procedures based on the evaluation and analysis of transportation or stationary utility properties including the development of inventories, depreciation, unit costs, taxes, rate base, revenues, expenses, and rate of return/operating ratios as well as performance-based and incentive rate-making mechanisms; financial structure and prescribed accounting classifications; engineering terminology, fundamentals, mathematics, and economics; physical properties of transportation or stationary utilities and standards of service, reliability, and safety; materials and methods of engineering construction; engineering mathematics; procedures of conducting hearings before the California Public Utilities Commission and other regulatory agencies.

Ability to: Establish and maintain project priorities; reason logically and creatively; develop and evaluate alternatives; analyze data and perform research work; analyze situations accurately and take effective action; communicate and negotiate effectively; prepare reports, correspondence, safety oversight plans, and exhibits; translate engineering calculations and analyses into concepts usable by decision-makers; testify on results of completed studies; consult with and advise administrators, decision-makers, and other interested parties on a broad range of subject-matter areas; serve as a lead person; gain and maintain the confidence and cooperation of those contacted during the course of work.

WORK ENVIRONMENT, PHYSICAL OR MENTAL ABILITIES:

- Proficiency with communications-related technologies, including personal computer applications, telecommunication/videoconferencing equipment, Internet, voicemail, email, etc.
- Safety: Work related to safety, including both policy and program oversight work to ensure the energy system is safe, and tasks related to the safety of the employee's work site.
- Occasional travel may be required within and outside the state of California to include evenings, weekends, or several days at a time.
- Workspaces may be shared or used on a hoteling basis; employees may not have permanently assigned cubicles or offices.

SUPERVISOR'S NAME (Print) Neil Raffan	SUPERVISOR'S SIGNATURE	DATE
EMPLOYEE'S STATEMENT: I HAVE DISCUSSED WITH MY SUPERVISOR THE DUTIES OF THE POSITION AND HAVE RECEIVED A COPY OF THE DUTY STATEMENT		
The statements contained in this duty statement reflect general details as necessary to describe the principal functions of this job. 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