



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

POWER PLANNING SPECIALIST

Group-Section: Water System Operations Group – Power Operations and Planning	FLSA Status: Exempt Bargaining Unit: MAPA	Salary Grade: 066 Job #: PM028
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JOB SUMMARY

Responsible for initiating and performing complex and unique electric power and transmission planning activities. Assures Metropolitan's power assets and rights are protected and enhanced as changes occur in the power industry and neighboring utilities. Responsible for long-term power planning, technical analysis of impacts related to power systems in the western United States, power contract negotiations and management, representing Metropolitan at power industry and regulatory meetings, and assuring compliance with relevant regulations and national electric reliability standards. As well, handles the most complex power related issues with limited supervisory involvement or internal support.

OVERSIGHT

Supervision Received: Receives direction from the Section, Assistant Group, or Group Manager.

Supervision Given: May exercise technical and functional supervision over assigned staff.

JOB DUTIES

1. Develops strategies and prepares reports to position Metropolitan's power assets to achieve the most financial and operational benefits.
2. Provides complex and detailed power system analysis of Metropolitan's power assets and determines potential impacts from changes in regulations and neighboring power systems. Utilizes outside professional relationships to assist in analyzing and resolving identified issues.
3. Drafts, negotiates, and manages unique and complex power contracts for the sale of energy from Metropolitan's hydroelectric generators, transmission interconnections, and coordinated operations with neighboring electric utilities or regional entities.
4. Participates in various power industry committees and attends regional power meetings to present and advocate for Metropolitan's interests and positions as a senior representative and acknowledged technical specialist.
5. Provides input and review during the drafting of procedures and plans to achieve compliance with regional regulations and national electric reliability standards and requirements. Implements and manages relevant compliance activities.
6. Provides support to Metropolitan staff on power planning and transmission issues. Assists staff, manages consultants, and works with outside parties to achieve operational and financial benefits for Metropolitan's power system.

7. Assists the Department of Water Resources and local municipal electric utilities with power issues.
8. Performs other related duties as required.

EMPLOYMENT STANDARDS

MINIMUM QUALIFICATIONS

Education and Experience: Bachelor's degree in electrical engineering or related field from an accredited college or university and twelve years of increasingly responsible relevant experience, of which four years must have been in a project management, or lead position; or an advanced degree (i.e., master's or doctorate) in electrical engineering or related field from an accredited college or university and ten years of increasingly responsible relevant experience, of which four years must have been in a project management, or lead position.

Required Knowledge of: Electrical engineering principles; current and emerging power technologies; power distribution and transmission systems; power system planning, analysis, and operation; negotiation techniques; contract administration; relevant federal, state, and local energy regulations and requirements; regional power utilities and their staff; power utilities interactions with each other and Metropolitan; and regulatory agencies including the California Independent System Operator (CAISO), California Energy Commission (CEC), California Public Utility Commission (CPUC), Western Electricity Coordinating Council (WECC), North American Electric Reliability Corporation (NERC), and Federal Energy Regulatory Commission (FERC)

Required Skills and Abilities to: Develop strategic plans and tactical response to various power issues; analyze complex and unique power transmission and generating systems; negotiate long-term energy and transmission contracts and coordinated operations agreements that have significant impact on Metropolitan; manage a variety of contracts and agreements; interpret and analyze engineering and scientific concepts and data; prepare detailed documents, contracts, and reports; exercise independent judgment and discretion; mentor, develop, and motivate staff; operate computer equipment and use a variety of computer software packages to include but not limited to word processing and spreadsheets; encourage and facilitate cooperation; communicate effectively both orally and in writing on administrative and technical topics; prepare and deliver clear, concise, well-organized, and interesting presentations to a wide variety of audiences having varying levels of technical knowledge; represent Metropolitan to public agencies, regulatory bodies, special interest groups, and members of the public; and establish and maintain effective working relationships with coworkers, other agencies, regulatory agencies, and the public.

CERTIFICATES, LICENSES, AND REGISTRATIONS REQUIREMENTS

Certificates

- None

Licenses

- Valid California Class C Driver License that allows you to drive in the course of your employment

Registrations

- None

DESIRABLE QUALIFICATIONS

- None

PHYSICAL DEMANDS, WORK ENVIRONMENT, AND VISION REQUIREMENTS

The physical demands and work environment characteristics described here are representative of those that must be met or may be encountered by an employee to successfully perform the job duties of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the job duties.

Physical Demands: The work is sedentary. Typically, the employee may sit comfortably to do the work. However, there may be some walking; standing; bending; carrying of light items such as paper, books, or small parts; driving an automobile, etc. No special physical demands are required to perform the work.

Work Environment: The work environment involves everyday risks or discomforts that require normal safety precautions typical of such places as offices, meeting and training rooms, libraries, and residences, e.g., use of safe work practices with office equipment, avoidance of trips and falls, observance of fire regulations and traffic signals, etc. The work area is adequately lighted, heated, and ventilated. The work environment may require some exposure to outside elements. May travel to various sites requiring overnight stay.

Vision Requirements: No special vision requirements