



Title: Associate Engineer (Power) - 2 positions Date Printed: 03/22/2018

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Work Location: Los Angeles, California,

Description

The Metropolitan Water District of Southern California is a consortium of twenty six cities and water districts that provides drinking water to nearly 19 million people in Southern California. Metropolitan's mission is to provide its service area with adequate and reliable supplies of high quality water to meet current and future needs in an environmentally and economically responsible way. Metropolitan's facilities include the 242-mile Colorado River Aqueduct; five conventional water treatment plants with a combined capacity of 2.6 billion gallons per day; nine surface water reservoirs; 800 miles of pipeline, ranging up to nearly 20 feet in diameter; 16 hydroelectric power plants; and numerous support facilities.

ASSOCIATE ENGINEER (Power) - 2 positions

The MWD's Water System Operations Group currently has two (2) openings for an Associate Engineer (Power) in the Power Operating and Planning Section at our Headquarters Building in Los Angeles, CA.

SUMMARY

This Associate Engineer position is located in the Water System Operations Group/Power Operations and Planning Section. The Section is responsible for the planning and management of Metropolitan's wholesale power operations as well as the analysis of retail electric rates and their impact on Metropolitan's facilities. The Section also works with the California Department of Water Resources on energy issues involving the State Water Project.

The position participates in a diverse set of power-related activities and responsibilities, including power scheduling, accounting and metering, CAISO energy settlement and reconciliation, technical, regulatory, contractual, and operational issues and situations. Areas of responsibility could include: preparation of daily, weekly, and monthly Colorado River Aqueduct (CRA) pumping load and resources reports and operational plans; monitoring energy market including renewable energy market; representing Metropolitan at meetings of local and regional power entities and agencies; preparing documents and submittals as per regulatory and contractual requirements; analysis of complex technical issues through the use of computer programs and models; forecasting short- and long-term power needs and generation output; acquiring energy for the CRA

pumping operations; working on projects and studies involving member agencies, government entities and other program partners; and contract development, negotiations, implementation, management and settlements. The timely completion and submittal of assignments is critical.

These activities and responsibilities require a strong power engineering background, basic knowledge of electrical energy fundamentals and effective oral and written communication skills.

JOB DUTIES

GENERAL

1. Performs and may lead the planning, coordinating, conducting, and monitoring tests, studies, investigations.
2. May represent Metropolitan within area of responsibility with external entities.
3. Prepares technical documents and reports; prepares and may make presentations.
4. Assists with Developing and administering contracts and agreements; reviews the work of vendors, consultants and contractors.
5. Provides technical expertise within area of responsibility on projects and issues.
6. Assists with developing standards, procedures, guidelines, and manuals.
7. May perform emergency response duties.
8. Maintains official records, documents, and data.
9. May participate on a project team.
10. Performs other related Engineer job duties as required.

POWER RESOURCES

1. Plans and performs energy scheduling for power operations.
2. Plans, analyzes, directs, or coordinates local and regional power activities.
3. Performs or participates in energy settlement and accounting activities.
4. Participates in power contract negotiations.
5. Solicits, analyzes, evaluates and executes power transactions within need, risk and credit guidelines.
6. Analyzes, evaluates, monitors, and makes recommendations regarding power related legislation, regulations, operations, and developments.
7. Monitors, evaluates, and documents power related regulatory performance and compliance.

Required Skills

JOB REQUIREMENTS: EMPLOYMENT STANDARDS

MINIMUM QUALIFICATIONS

Education and Experience: Bachelor's degree from an accredited college or university in a related field and four years of relevant experience, of which two years must have been at the Assistant Engineer II level; OR a Master's degree from an accredited college or university in a related field and two years of relevant experience which must have been at the Assistant Engineer II level.

Relevant experience is defined as: Power related projects dealing with power generation, marketing, metering, scheduling and/or accounting.

Degree in a related field is defined as: Any Engineering degree with emphasis in power and energy engineering.

General Required Knowledge of: Engineering principles, practices and applications in specific discipline; project schedules and budgets; applicable federal, state and local laws, codes and regulations related to area of responsibility; and current office technology and equipment.

General Required Skills and Abilities to: Analyze and interpret data; organize; project scheduling software; prepare technical reports and correspondence; use independent judgment and exercise discretion; problem solve; prioritize and multi-task; communicate clearly and concisely, both

verbally and in writing; establish and maintain effective working relationships with those contacted in the course of work; work independently and in a team environment; and operate current office equipment including computers and supporting applications.

CERTIFICATIONS, LICENSES, AND REGISTRATION REQUIREMENTS

Required at time of application

Employees in this position will be required to maintain the following certifications, licensing and registrations:

- Engineer in Training (EIT)
- Valid California Class C Driver License or equivalent that allows you to drive in the course of your employment

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 requires some physical exertion such as long periods of standing; walking over rough, uneven, or rocky surfaces; recurring bending, crouching, stooping, stretching, reaching, or similar activities; recurring lifting of moderately heavy items such as personal computers and record boxes. The work may require specific, but common, physical characteristics and abilities such as above-average agility and dexterity.

Work Environment: The work involves moderate risks or discomforts that require special safety precautions, e.g., working around moving parts, carts, or machines, or irritant chemicals; etc. Employees may be required to use protective clothing or gear such as masks, gowns, coats, boots, goggles, gloves, or shields.

Work Schedule: 9/80 with alternating Fridays off, or 5-8's Monday through Friday. Working on Fridays off or on holidays may also be required.

Job Related Selection Criteria:

- 35% Technical Knowledge (knowledge of energy generation, transmission, marketing and metering)
- 30% Job Preparation (education, experience & training relevant to the position)
- 15% Teamwork and Organizational Skills
- 05% Oral Communication Skills
- 05% Written Test
- 10% Written Communication Skills
- 100% Total

Benefits

Benefits:

- Competitive compensation
- Excellent medical, dental, life, vision
- Retirement plans, including pension plan and 401k
- Tuition reimbursement
- Training and advancement opportunities
- Excellent working environment
- Public transportation reimbursements and van pools
- On-site fitness center
- Hub of public transportation: Rail, subway, buses and taxis

For more information on MWD benefits, please use the following link:
http://www.mwdh2o.com/PDF_Careers/benefits.pdf

This job announcement has been designed to indicate the general nature and level of work being performed by employees in this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities and qualifications required of employees assigned to this job. To receive a copy of the complete job description, please send an email to jobs@mwdh2o.com.

The Metropolitan Water District of Southern California is committed to providing reasonable accommodations to qualified individuals with disabilities. Qualified individuals with disabilities who need a reasonable accommodation during the application or selection process, please call (213) 217-7738 or email jobs@mwdh2o.com.

MWD is a Federal and State EO employer - Veterans/Disabled and other protected categories.

Kind: Full Time

Level: Professional

Apply

To apply for this position, please copy and paste the following link into your browser address bar:
<https://mwdh2o.contacthr.com/60687673>

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