

Job Title: Senior Staff Engineer, Electrical - Chelsea, MA

The **Massachusetts Water Resources Authority (MWRA)** is seeking a Senior Staff Engineer, Electrical in the Operations Division. The ideal candidate will provide electrical engineering assistance in the review and design of projects related to the rehabilitation and capital improvement of waterworks and wastewater facilities and infrastructure from conceptual planning through construction. The Senior Staff Engineer, Electrical will assist Operations to resolve emergency problems arising from equipment failure or malfunction; provides direction to designers and drafters on assigned projects, and provides support to medium voltage technicians, and electrical staff as needed.

Job Requirements:

- The position requires knowledge of principles of and practices of electrical engineering as normally attained through a four (4) year college program in engineering or a related field.
- Demonstrated knowledge of electrical transmission and distribution equipment design as acquired through three (3) to five (5) years of experience.
- Working knowledge of variable frequency drives and programmable logic controllers; clear understanding of the National Electric Code and Life Safety Code; proficiency with personal computers and knowledge of word processing, spreadsheets and engineering applications software.
- Understanding of and experience with CADD systems; excellent interpersonal, oral and written communication skills.
- A valid Massachusetts Driver's License; Engineer-in-Training certificate preferred; any equivalent education or experience.

Job Duties:

- Assists in the in-house planning and design of various water and wastewater repair, improvement and replacement projects, and in the investigation and resolution of construction and operations problems.
- Provides electrical engineering support to the operating departments for the operations and maintenance programs of MWRA facilities.
- Participates in the design of in-house projects including development of project plans, specifications, cost estimates, schedules, proposals for bid and review of shop drawings; establishes design criteria and applicable code requirements and performs analytical calculations for assigned work.
- Develops procedures to ensure safe and efficient operations, maintenance and testing practices; provides technical review of consultant-prepared reports and design projects and contractor shop drawings; participates in the preparation of standard specifications.
- Participates in field investigations in order to verify and obtain information on existing facilities, structures, systems and equipment; prepares equipment and material quantity takeoffs for cost estimates; develops and maintains records, drawings and maintenance listings as required; performs other related duties as required.

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Massachusetts Water Resources Authority (MWRA) is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, national or ethnic origin, age, religion, disability, sex or gender, sexual orientation, gender identity or expression, or veteran status.