



Peabody Municipal Light Plant

Warren Street Extension | Peabody, Massachusetts 01960 | Telephone: 978.531.5975 FAX: 978.531.5476

JOB POSTING

SUBJECT TO A DEPARTMENTAL PROMOTIONAL OR OPEN COMPETITIVE EXAMINATION

TITLE:	SENIOR ELECTRICAL ENGINEER
DIVISION:	ENGINEERING
SALARY:	GRADE E13 (\$65,542 - \$81,542)
SHIFT:	EXEMPT POSITION
CIVIL SERVICE CLASSIFICATION:	OFFICIAL SERVICE

DUTIES: Under direction of the Supervising Electrical Engineer, Associate Electrical Engineer or Principal Electrical Engineer, responsible for performing a wide variety of electrical engineering duties involved in the operation of the Engineering Division.

Responsible to assist in providing direction for all lower-rated Electrical Engineers, Engineering Aides, Engineering Clerks and Engineering Maintenancemen.

Perform all aspects of job orders involving distribution, transmission, substation and generation design and repair work and operations and maintenance tasks, as directed.

Review and approve plans and drawings, prepare equipment specifications, place equipment orders, check out and test new equipment, and check contracts for compliance with specifications.

Accountable for work order system, issue work orders, assist in planning and scheduling substation preventive maintenance programs, estimate job cost, and perform miscellaneous design, testing, and troubleshooting of electrical control and distribution circuits. Also assist with trouble shooting transmission, distribution, substation and generation equipment as required.

Assist in the coordination of all phases of construction work.

Perform relay testing and calibration as required.

Investigate customer voltage complaints. Prepare transformer and cable specifications; perform relay/fuse coordination studies.

Perform engineering work including design and layout of distribution, transmission and generation systems.

Conduct short circuit and load forecasting studies. Perform high-voltage cable testing, cable fault finding and gas turbine troubleshooting procedures.

As directed by Supervising Electrical Engineer, Associate Electrical Engineer or Principal Electrical Engineer, prepare and review switching procedures, perform ground testing and power factor testing.

Serve on-call 24 hours a day for serious malfunctions of substations, distribution, and generation and transmission systems.

Operate high voltage circuit breakers and switches as required.

Analyze internal and external power supply options and/or load management programs for cost effectiveness and reliability.

Interface with consultants, regulatory agencies, ISO and other organizations affecting PMLP's power supply and/or load management programs as directed by supervisor.

Perform monthly calculation of purchased power cost adjustment; accumulation of detailed information for state, federal and organizational reports; and management of computer programs.

Create projections and forecasts necessary to properly plan and manage required energy resources and associated equipment.

In the absence of the Associate Electrical Engineer or Principal Electrical Engineer, perform all functions of that position.

Perform other administrative and professional functions as required.

QUALIFICATIONS: Minimum of five years of directly related experience. B.S.E.E. Degree required.

PLEASE SUBMIT YOUR LETTER OF APPLICATION TO HUMAN RESOURCE ADMINISTRATOR

PEABODY MUNICIPAL LIGHT PLANT

WILLIAM F. WATERS, MANAGER

AA/EEO