

ELECTRICAL MECHANIC APPRENTICE

The eligible list resulting from this examination may be used to fill similarly rated positions in the City.

IMPORTANT: Applicants for this position are expected to have the aptitude, desire and commitment to successfully complete a four year (8,320 hour) apprenticeship program leading to status with the City as an Electrical Mechanic. Appointed candidates for this position must complete a journey-level Electrical Mechanic exam with a passing grade before final appointment to journey-level Electrical Mechanic status.

In addition to on-the-job training, the apprenticeship program requires the successful completion of electrical apprenticeship classes at Milwaukee Area Technical College (MATC). Satisfactory progress must be maintained/demonstrated in all aspects of the program during the entire four year apprenticeship period. **An Electrical Mechanic Apprentice must complete the required coursework at MATC within timeframes established by the Department of Public Works and must at least receive a grade of "C" for each course. Failure to successfully complete the required coursework may result in termination.**

PURPOSE: Under the direction and guidance of designated Electrical Mechanics, an Electrical Mechanic Apprentice performs duties related to installing, repairing and maintaining electrical systems and equipment for Street Lighting, Traffic Control, Communications, Facilities, and Water/Sewer Instrumentations.

ESSENTIAL FUNCTIONS:

Installing, repairing and maintaining:

- overhead wire, cables, transformers and associated accessories;
- underground conduits, manholes, wires, cables, transformers, high voltage splices, associated switchgear, and related equipment
- concrete, aluminum, steel and wood poles, and other equipment used for street and recreational lighting, traffic control, and other electrical systems;
- fire alarms, telephone systems, fiber optics, electronic, computerized, monitoring/control and solid state equipment used for communications, traffic and other systems;
- electrical lighting, wiring and power equipment serving buildings, bridges and other municipal structures and other electrical systems and associated equipment as assigned.

Assembly and fabrication of control mechanisms

Performing non-technical maintenance work on street lighting, traffic and communications systems, such as lamp replacement, washing, cleaning contacts, and minor repairs; and

Driving or operating CDL/non-CDL vehicles, including crew trucks, bucket trucks, etc.

CONDITIONS OF EMPLOYMENT INCLUDE: Availability for emergency call-in work, as needed. Evening, holiday and weekend work may be assigned on a rotating schedule.

Reasonable accommodations requested by qualified individuals with disabilities will be made in accordance with the Americans with Disabilities Act (ADA) of 1990.

MINIMUM REQUIREMENTS:

1. Valid driver's license at time of appointment and throughout employment.
2. Valid Commercial Driver's License (CDL) A, B, and C, covering general, air brakes and combination sections within six (6) months of appointment and throughout employment.
3. Residence in the City of Milwaukee within six months of appointment and throughout employment.

REQUIRED SKILLS, ABILITIES, & QUALIFICATIONS:

Ability to use color-coded wiring systems (cannot be color-blind)

- Ability and willingness to work at heights of up to 100 feet and in confined underground spaces; climb up and down ladders; and lift, move or transfer equipment or materials weighing up to 100 pounds.
- Ability to understand moderately complex reading material and instructions.
- Ability to identify basic hand tools and their uses.
- Ability to work or learn to work with hand tools, electrical wires, equipment and machinery.
- Ability to perform certain outside duties under extreme weather conditions.

DESIRABLE QUALIFICATIONS:

1. High school diploma or GED.
2. Successful completion of at least one year of math (algebra or geometry) and one year of science (physics or chemistry).

3. Prior experience and/or training in assisting with the installation, maintenance or repair of electrical equipment.

THE CURRENT HOURLY RATE OF PAY (975) IS: \$14.77 (1st year); \$17.73 (2nd year); \$22.16 (3rd year); and \$26.59 (4th year). These rates represent 50%, 60%, 75% and 90%, respectively, of the City's hourly rate for Electrical Mechanic. The rates of pay are based upon hours completed in the apprenticeship program.

NOTE: An employee of the Department of Public Works who is appointed directly as an Electrical Mechanic Apprentice and who has an hourly rate of pay higher than an Electrical Mechanic Apprentice shall retain either the higher rate of pay or the third step of the apprentice pay range, whichever is lower. The employee shall retain this rate of pay unchanged until such time as the step of the apprentice pay range to which the employee is entitled by virtue of his/her years of service as an Electrical Mechanic Apprentice equals or exceeds this rate of pay. Then, the employee shall be compensated at the applicable step which equals or exceeds his/her former rate.

THE SELECTION PROCESS will be job related and will consist of one or more of the following: training and experience; written, oral or performance tests or other assessment methods. The Department of Employee Relations reserves the right to call only the most qualified candidates to oral and performance examinations. Oral examinations may include written exercises. Selection process component weights will be determined by further analysis of the job.

The examination will be held as soon as practical after **April 23, 2010**. Receipt of applications may be discontinued at any time after this date without prior notice. However, recruitment may continue until the needs of the City have been met. Qualified applicants will be notified by mail of the date, time and place of the examination.

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