GENERAL STATEMENT OF CLASS

The Field Technician III position is responsible for the operations of pumps, automatic valves, motors and instrumentation and control equipment of the water facilities and distribution system as well as providing technical and electrician support and service for water system instrumentation and control equipment.

ESSENTIAL DUTIES

Requires expert knowledge of water distribution systems; Maintains supervisory control equipment, instrumentation, pump stations, reservoirs, and monitoring facilities; Performs trouble shooting and analysis of computer generated information via telemetry systems, maintenance, and electrical tasks on water distribution systems. Active Communication and Respectfulness of co-workers and the public are skills required for this position, as are incorporating Medford Water Commission Values into daily activities.

EXAMPLES OF WORK *(Illustrative Only)*

1) Coordinates and participates in various electrical repair activities
2) Operates and reviews water transmission and distribution systems related to pump stations, reservoirs, and control facilities as well as recording and calculating daily demands and use
3) Maintains various cathodic protection systems
4) Prepares master meter readings for annual water report
5) Prepares and maintains various documents and records
6) Coordinates training of distribution operation for stand-by personnel
7) Performs other duties of a similar nature or level

KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED

Considerable knowledge of pumps, automatic valves, flow meters, hydraulic pilot systems, PLC Ladder Logic, SCADA and telemetry control systems; Knowledge in principles of water distribution, scheduling, training, safety, National Electric Code (N.E.C.), record keeping and cathodic protection; Skills in the use of personal computers and related software, prioritizing work, installing, repairing, troubleshooting, and performing maintenance on various types of equipment; Skill in communication and interpersonal interaction with co-workers, supervisor and the general public sufficient to exchange or convey information and to receive work direction; Ability to express oneself clearly and concisely.

TRAINING, EXPERIENCE, AND LICENSING REQUIRED

High school or vocational school graduation and six (6) years of progressively responsible lead, electrical and water distribution experience or equivalent combination of education and experience sufficient to successfully perform the essential duties of the job such as those listed above; LME Maintenance Electricians License (or comparable mechanical pump

certification/license) or Oregon Water Distribution or Treatment certifications, or General Radio Telephone Operator License (or comparable certification/license); Valid Oregon Driver's License Class A CDL and acceptable driving record.

PHYSICAL REQUIREMENTS

Positions in this class typically require vehicle driving to and from project sites, kneeling, crouching, repetitive motions, reaching, standing, walking, fingering, grasping, talking, hearing and seeing.

Heavy Work: Exerting up to 100 pounds of force occasionally, and/or 50 pounds of force frequently, and/or 20 pounds of force constantly to move objects.

Positions in this class may be subjected to moving mechanical parts, electrical currents, vibrations, fumes, limited ventilation, chemicals, extreme temperatures, low-level lighting, work space restrictions, intense noises, travel and must be generally available for 24 hour emergency response.

NOTE: The above job description is intended to represent only the key areas of responsibilities; specific position assignments will vary depending on the business needs of the department.

GENERAL STATEMENT OF CLASS

The Field Technician II is responsible for providing intermediate technical and electrician support and service for water system instrumentation and control equipment.

ESSENTIAL DUTIES

This position requires extended knowledge of the water distribution system. Performs work on the instrumentation and control equipment; skilled maintenance / electrical tasks on water distribution equipment as a team member. Troubleshoots problems on the supervisory control equipment and maintains the pump stations, reservoirs and pressure control stations.

EXAMPLES OF WORK *(Illustrative Only)*

1) Troubleshoots and repairs various electrical equipment for water distribution system, treatment plant, and other facilities
2) Maintains water distribution system recording system including calculating daily demands and use
3) Inspects pump stations to ensure that pumps, valves, and other facility equipment are in working order
4) Monitors cathodic protection system to ensure it is in proper working order and to forecast any needed repairs
5) Performs other duties of a similar nature or level

KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED

Knowledge of principles in water distribution; safety; pumps, automatic valves, flow meters, hydraulic pilot systems; maintenance principles and practices; PLC ladder logic; National Electrical Code (N.E.C.); and record keeping. Skill in using a computer and related software; installing and repairing various equipment; troubleshooting and performing maintenance on various electrical and mechanical equipment; Ability to establish and maintain effective working relationships with co-workers, contractors and the public.

TRAINING, EXPERIENCE, AND LICENSING REQUIRED

High School or vocational school graduation and four (4) years of related electrical and water distribution experience; or equivalent combination of education and experience sufficient to successfully perform the essential duties of the job such as those listed above. Valid Oregon Driver's License Class A CDL, and acceptable driving record; Oregon Water Distribution Grade I Certification.

Journeyman Electrician's License or Licensed Maintenance Electrician (LME) required to achieve Journey level of position.

Two years of experience at Journey level or demonstrated proficiency required before ability to advance to the Field Technician III level position.

PHYSICAL REQUIREMENTS

Positions in this class typically require vehicle driving to and from project sites, kneeling, and crouching, repetitive motions, reaching, standing, walking, fingering, grasping, talking, hearing and seeing.

Heavy Work: Exerting up to 100 pounds of force occasionally, and/or 50 pounds of force frequently, and/or 20 pounds of force constantly to move objects.

Positions in this class may be subjected to moving mechanical parts, electrical currents, vibrations, fumes, limited ventilation, chemicals, extreme temperatures, low-level lighting, work space restrictions, intense noises, travel and must be available for 24 hour emergency standby duty.

NOTE: The above job description is intended to represent only the key areas of responsibilities; specific position assignments will vary depending on the business needs of the department.