



ELECTRICAL DISTRICT NO. 3 OF PINAL COUNTY
HUMAN RESOURCES DEPARTMENT
www.ed3online.org



POSITION TITLE:	District Electrician	EXEMPT STATUS:	Non-Exempt
DEPARTMENT:	Maintenance Department	SALARY GRADE:	XXXXXXXXXXXXXXXXXXXX
LOCATION:	District Office 41630 W Louis Johnson Drive Maricopa, AZ 85138-5402	SALARY RANGE:	XXXXXXXXXXXXXXXXXXXX
REPORTING RELATIONSHIP:	This position reports to the Maintenance Supervisor.	SUPERVISORY RESPONSIBILITY:	This position does not supervise at this time.

ED3 is an Equal Opportunity Employer and will not discriminate against any employee or job applicant based on race, creed, color, national origin, or sex. In compliance with the Americans with Disabilities Act, ED3 will provide reasonable accommodations to qualified individuals with disabilities and encourage both prospective and current employees to discuss potential accommodations with the employer.

JOB SUMMARY:

To perform specialized duties in support of the Maricopa-Stanfield Irrigation & Drainage District (MSIDD). Under the direction of the Maintenance Supervisor, this position performs a variety of electrical work related to the operation, maintenance, troubleshooting, and installation of electrical and electrical equipment on District facilities. Equipment includes that associated with deep water irrigation well motors and control panels, pumping plants, check structures and turnouts, etc., all of which are critical to the efficient and safe delivery of water to the District's customers. Employees in this job classification may not transfer out of the Maintenance/Electrical Department for two years.

ESSENTIAL DUTIES:

The following duties are normal for this position. The omission of specific statements of the duties does not exclude them from the classification if the work is similar, related or a logical assignment for this position. Other duties may be required, assigned, and expected commensurate with the needs of the District. Each employee is responsible for his/her own safety and the safety of others in the workplace.

- Observe and follow District Rules and Regulations, SOPs and Policies.
- Interprets plans and specifications for projects.
- Prepares and updates schematics.
- Performs installation of 480 volt and lower voltage circuits for power.
- Works independently or with contractor to maintain high voltage circuits.
- Installs electrical and electronic equipment according to the plans and specifications.
- Determines and performs necessary repairs to electronic equipment.
- Performs tests for temperature vibration, noise, current, voltage, insulation level, and calibration as required.
- Lays out work to be performed after diagnosing and troubleshooting problems.
- Documents equipment maintenance history through the use of a District approved program.
- Works independent of, or with, other departments and personnel, contractors or engineers as required.
- Submits requisitions for tools and materials; ensures inventory used is documents in a District approved program.
- Develops or modifies Standard Maintenance Procedures (SMP's).
- Proficiently uses tools and equipment common to the trade to adjust, repair, calibrate, install and test electrical equipment.
- Assists in training personnel as assigned.
- Operates overhead cranes and hoists to safely, economically and efficiently install and maintains equipment owned or to be maintained by the District. Documents vehicle and equipment use.

MINIMUM AND PREFERRED QUALIFICATIONS:**Minimum Qualifications**

- Completion of one year (24 credit hours) of a technical degree from an accredited program at a recognized school of engineering and technology or technical institute or equivalent in electronics or electricity.
- High School Diploma or GED.
- Must hold and maintain valid Arizona driver's license.
- Must hold and maintain a CDL. If no current CDL must be able to obtain a CDL license with necessary endorsements within 90-days of date of hire.
- Must be able to operate vehicles with either stick shift or automatic transmission.
- Must pass a pre-employment background check and drug screening test.

Abilities:

- Ability to trouble-shoot electrical problems with panels/starters/motors for deep irrigation wells, lift pumps, and other District facilities.
- Ability to undertake additional education to update skills as needed.
- Ability to work independently or as part of a crew.
- Ability to perform basic math calculations and conversions.
- Ability to perform corrective action in emergency situations.
- Ability to read and follow written or drawn instructions.
- Must have critical thinking and problem-solving skills.

Knowledge of:

- Knowledge of the National Electric Code.
- Knowledge of medium and low voltage power and lighting circuits.
- Safe work practices and proper use of PPE (Personal Protection Equipment).
- Correct use and maintenance of hand tools and equipment.
- Working knowledge of basic computer programs such as word processing, spreadsheet, and email.

Special Requirements:

- The ability to work overtime or various shifts as assigned.
- The ability to multitask.

EXPERIENCE:

- Working knowledge of equipment utilized in job duties.
- Preferred Experience:
 - Welding and Fabricating.

PHYSICAL REQUIREMENTS:

- May drive in excess of 100 miles per day on a regular basis.
- Able to lift a minimum of 50 pounds, occasionally lifting over 100 pounds.
- Able to withstand extreme weather conditions while working.
- The employee is required to stand, walk and use hands to operate objects, tools or controls.
- Must be able sit or stand for long periods of time.
- Must be able to climb, balance, stoop and kneel.
- Must be able to perform physical labor.

WORK ENVIRONMENT:

While Performing the duties of this job, the employee regularly must work within the following conditions:

- Close proximity to moving water in irrigation canals.
- Slippery and / or uneven terrain; working in mud and water or over water.
- Outside weather exposure.
- Various work locations, outdoors and occasionally in remote areas to the District office and shop.
- Work in areas containing chemicals, dust, vapors, fumes, exhaust, insects, snake, dogs and other kinds of farm animals.