



**EAST BAY MUNICIPAL UTILITY DISTRICT**  
invites applications for the position of:  
**Instrument Technician**  
**(Pardee)**

An Equal Opportunity Employer

**SALARY:** \$7,393.00 - \$8,559.00 Monthly  
\$88,716.00 - \$102,708.00 Annually

**OPENING DATE:** 12/18/17

**CLOSING DATE:** 01/05/18 04:30 PM

**THE POSITION:**

Under general supervision, the Instrument Technician performs a variety of skilled tasks involved with the installation, maintenance, and repair activities for process instrumentation, recording instruments, communications and telemetering systems, control systems, and distributed control system equipment related to water distribution systems, lift/pump stations, water treatment facilities, and hydropower facilities. The current vacancy is at the Pardee Reservoir located in Valley Springs, California.

Typical duties include:

- Installing, maintaining, repairing, overhauling, calibrating, and testing a wide variety of electronic recording, indicating, controlling, pneumatic and telemetering, and test instruments
- Installing, maintaining, calibrating, and testing controls and control systems, including programmable logic controllers and programmable automation controllers
- Installing, maintaining, and field troubleshooting automatic dialers and communications systems
- Utilizing vendor manuals and drawings to setup and maintain complex instruments
- Performing periodic preventive maintenance and making inspections
- Troubleshooting systems, equipment, and instrumentation to diagnose problems
- Reading and interpreting wiring diagrams, schematics, mechanical drawings, piping/process & instrument diagrams (P&IDs), and specifications
- Ensuring proper safety precautions are followed
- Estimating labor, materials, and supplies necessary to perform specific assignments
- Keeping records and making oral and written reports of work performed
- Establishing and maintaining effective working relationships with others.

Ideal applicants will have:

- Excellent skills and experience installing, inspecting, maintaining, and repairing a wide variety of instruments, equipment, and systems in an industrial environment
- Ability to continuously learn new technologies.

The Instrument Technician salary range starts at \$7,393 per month, increasing to \$7,763, \$8,151, and \$8,559 after 12, 24, and 36 months, respectively.

EBMUD is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, religious creed, sex, gender, gender identity, gender expression, marital or registered domestic partnership status, age for individuals over forty years of age, national origin, ancestry, disability (mental or physical, including AIDS and HIV), medical condition (cancer and genetic characteristics), genetic information, sexual orientation, military and veterans status, family or medical leave status, pregnancy, pregnancy disability leave status, or any other status protected by federal, state and/or local laws.

**REQUIREMENTS:**

Any combination of education and experience that has led to the acquisition of the knowledge

and abilities indicated above. Typical means of acquiring the essential knowledge and abilities is a combination of training and experience equivalent to:

1. A high school diploma or its equivalent; AND
  - 2a. Four years of journey-level experience performing skilled work in electronic circuitry, electro-mechanical, pneumatic, and mechanical repair, at least two years of which involved field work on instrumentation and process controls; OR
  - 2b. 16 months of experience as an EBMUD Instrument Worker III, including satisfactory completion of the appropriate courses and advanced on-the-job training as specified in the Maintenance Trades Training Program (employees only).
3. Valid California driver's license and satisfactory driving record.
4. Physical ability to perform both the field and office aspects of the job, including sufficient strength to lift, carry, and hold supplies and equipment; agility and stamina sufficient to walk up extended stairs and ladders; senses and dexterity to recognize unusual equipment activity; to read schematics and electronic component marking; and to repair instruments, connect wires, and use test equipment; and where a variety of weather conditions, heights, and confined spaces are factors.
5. Willingness to work shifts or overtime as needed.

Equivalent combinations of education and experience may be considered. To be considered under the "equivalent combination of education and experience" provision, it is your responsibility to include in your application materials written evidence of employment performed at the level of the typical duties of this position and/or coursework in subject areas directly related to this position. For more information, see our FAQ page at <http://www.ebmud.com/jobs/job-resources/job-faqs-frequently-asked-questions/>.

### **THE SELECTION PROCESS:**

1. Submit a completed EBMUD application and the required supplemental question responses online at [www.ebmud.com](http://www.ebmud.com) by 4:30 p.m., Friday, January 5, 2018. Only application materials submitted online during the filing period will be accepted.
2. All qualified applications and supplemental responses will be competitively evaluated, with those candidates demonstrating the strongest qualifications for the position to be invited to a written test expected to be held on Friday, January 19 and/or Saturday, January 20.
3. Candidates passing the written test will be invited to a practical exam to be held on a weekday in early February.
4. Successful candidates will be placed on the hiring list, based on rank, for further consideration to fill the current regular vacancy, as well as others occurring over the next 12 to 24 months.
5. All employment offers are conditional, pending the results of a Live Scan background screening. All selected finalists must participate in the Live Scan background screening process to remain in consideration for EBMUD employment.

### **SUPPLEMENTAL INFORMATION:**

As the first step in the selection process, responses to the supplemental questions must be submitted online with the regular EBMUD application. Please provide thorough, accurate descriptions of assignments you have personally performed. Should you respond with comments such as "see application" or "see resume" instead of addressing the questions directly, your application may not be considered.

OUR OFFICE IS LOCATED AT:  
375 11th Street, MS #603  
Oakland, CA 94607  
510-287-0735  
[jobs@ebmud.com](mailto:jobs@ebmud.com)

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### **Instrument Technician (Pardee) Supplemental Questionnaire**

- \* 1. Have you completed four years of journey-level experience performing skilled field work with pneumatic, mechanical, electromechanical, and electronic instrumentation repairs?  
 Yes    No
  
- \* 2. Have you completed at least two years of journey-level experience with instrumentation and process controls, or an equivalent combination of related education and experience?  
 Yes    No
  
- \* 3. Describe your experience in troubleshooting equipment and isolating defective components.
  
- \* 4. What test equipment did you use to troubleshoot equipment and isolating defective components?
  
- \* 5. List model, manufacturer, and application of PLC equipment, programmable process controllers, DCS control systems, and equipment with which you have worked
  
- \* 6. List model, manufacturer, and application of SCADA, Data Acquisition Radios, Telemetry, and RTU equipment with which you have worked.
  
- \* 7. Describe your experience working with Chlorine and PH analyzers. Include manufacturers and ranges.
  
- \* 8. Describe your experience working with Turbidimeters.
  
- \* 9. Describe your experience configuring control systems and their associated networks.
  
- \* Required Question