

Management Opportunity

City of Long Beach
Water Department

Telemetry Superintendent



Join Our Team Today!

City of Long Beach



The City of Long Beach is a full service City providing customary municipal services through departments such as police, fire, public works, library and parks; however, the City supports enterprise operations including a deep water port, offshore and onshore oil production, a gas utility, a water utility, airport, health department, a convention and entertainment center, three marinas and five golf courses.

Long Beach is governed as a charter City and operates under the council-manager form of government. The City Council currently includes a Mayor, elected at large, and nine council members, elected by districts for four year terms. The Council appoints the City Manager who manages the daily affairs of the City and oversees the administrations of 13 City Department. The City has over 5,000 employees and a total budget over \$2 billion.

Telemetry Division

The Telemetry Division is responsible for the planning, design and analysis of the electrical infrastructure, instrumentation, controls and power systems, Supervisory Control and Data Acquisition (SCADA), and telecommunication systems for water and wastewater utility systems. Technical support for large scale projects administrated by the Engineering, Planning, and Operations Bureaus is a critical component of this division along with documentation services for technical system infrastructure including water, reclaim, sewer and treatment. In addition, this division provides network administration for the SCADA system at the Groundwater Treatment Plant's Ethernet and fiber highways, in-house system programming for the Department's Symax PLC, integration coordination, technical administration for the Department's phone system, and system administration for Industrial SQL reporting system. Finally, the division is comprised of 2 Telemetry Technicians and 1 Communications Technician with an operating budget of nearly \$330,000, administering 11 contracts and managing an inventory of over \$100,000.



Long Beach Water Department
The Standard in Water Conservation &
Environmental Stewardship



The Long Beach Water Department is a Commission-governed department of the City of Long Beach consisting of over 200 employees with the purpose of regulating and controlling the use, sale and distribution of water along with operating and maintaining a sanitary sewer system. The department serves a 50 square mile radius with 90,000 service connections, 907 miles of water pipeline and 712 miles of sewer pipeline. In addition, the department operates a 62.5 million-gallon-per-day Groundwater Treatment Plant and Water Quality Laboratory. The Long Beach Water Department prides itself on having an safe supply of fresh water, made easily available at an affordable rate, which is the cornerstone of any productive and thriving community.

Qualifications

Candidates must have professional level experience in the field of electrical and controls engineering. The ideal candidate will possess the following knowledge: principles and practices of electric system engineering and project administration; communications systems, load research, automated distribution and transmission planning; methods, materials and techniques used in the design and construction of electrical, SCADA and telecommunication projects; applicable laws and regulatory codes; recent developments regarding electrical engineering; computer control systems; advanced programming principles; operation and use of communication systems; fiber optics; electrical system hardware and software applications; capacitor and voltage control systems; computer software applications including Microsoft Office, MS Project, Visio and AutoCAD; safety standards; principles of supervision and training; and principles and procedures of financial record keeping and reporting. Ideal candidates will also have the ability to conduct comprehensive engineering studies, perform technical research, make engineering design computations and prepare reports with recommendations; supervise and train assigned staff; supervise plans and drawings preparation; design and prepare engineering plans and studies; understand and interpret engineering construction plans, specifications and other contract documents; and research, analyze and evaluate new SCADA techniques.

Telemetry Superintendent

This position is critical for the success of Water Department projects through the analysis of project documentation including maps, drawings and specifications and the development of cost estimates and schedules for telecommunications, SCADA, computer control systems, and water process systems. Furthermore, the incumbent must analyze electrical and system controls operations for the purpose of recommending system improvements. This position also includes, but is not limited to, the following responsibilities and duties:

SCADA System Functions

- Plan, design and implement SCADA system modifications and improvements by preparing design and construction documentation while performing technical calculations.
- Coordinate and evaluate system resource utilization in addition to providing support to various private and public agencies on issues related to SCADA, systems automation projects and activities.
- Maintain and update SCADA system file structure including computer files, historical data systems and system documentation.
- Investigate and correct defects in the SCADA system software, perform logic analysis and analyze program flow.
- Collect data and devise appropriate strategy, algorithms and file structure for the SCADA system computer.

Telecommunications Systems Functions:

- Design, select and recommend communications systems for use in Water Department projects and operations.
- Plan, design and specify fiber optics system modifications and improvements by preparing design and construction documentation and performing technical calculations.
- Maintain and implement modifications to the Remote Fiber Test System (RFTS) including field data collection and updating the fiber optics route entries for interface with the Department's Geographic Information System.
- Maintain and update the fiber optics system including computer files, historical data records and system documentation in addition to investigating and correcting defects in the RFTS software.

Administrative Functions:

- Exercise functional and technical supervision over professional and technical staff while assigning a variety of electrical engineering projects.
- Develop and implement policies and procedures and ensure compliance with applicable laws and safety practices.
- Prepare specifications and bid documentation for contractors and consultants; lead and participate in the preparation of consultant services agreements, requests for proposals, and related contract documents; and evaluate and participate in the selection of outside consultants.
- Review plans of consultants and private contractors, establish schedules and methods for completing projects, make technical engineering decisions, establish technical criteria and standards, and monitor expenditures.
- Assist in the construction inspection of assigned projects, ensure conformance with contract plans and specifications, make recommendations on the approval of progress payments and change orders, prepare progress reports on projects under construction, and maintain records of changes and field notes.
- Initiate and monitor utility material requisitions, prepare requests for proposals, specifications and related documents and participate in the evaluation and selection of equipment.
- Develop and maintain engineering related databases; coordinate data transmission between the Engineering Division and other City departments.
- Coordinate electrical engineering activities with other City departments, divisions, sections and outside agencies.
- Provide liaison, direction and advice to public and private agencies and other City Divisions and Departments.

APPLY TODAY FOR THIS ENGAGING AND CHALLENGING CAREER OPPORTUNITY
Telemetry Superintendent

Compensation & Benefits

The starting salary range for this position is from \$81,000 to \$121,000 annually per year, depending upon qualifications. Placement is normally below the midpoint with increases based on a merit pay plan. The City's compensation package also encompasses a generous benefits package that includes:

Retirement: City currently offers CalPERS 2.5% @ 55 plan, coordinated with Social Security.

Vacation: Twelve days after 1 year of service; 15 days after 4 years, 6 months; 20 days after 19 years, 6 months of service.

Sick Leave: One day earned per month; unlimited accumulation; conversion upon retirement to cash credit toward health and/or dental insurance premiums, or to pension credits.

Holidays: Nine designated holidays per year, plus four personal holidays to be used at the employee's discretion.

Executive Leave: Five days per year.

Automobile Allowance

Bereavement Leave: Three days for death or critical illness of family member, plus three days of accrued sick leave if needed.

Health Insurance: Several plans are available—one HMO, two indemnity plan options and a point-of-service (POS) plan. The City pays a major portion of the premium for employee and dependents depending on the health/dental plan selected.

Dental Insurance: Two dental plans are available for employees and dependents.

In-Hospital Indemnity: City-paid in-hospital indemnity plan for in-patient hospital stay.

Life Insurance: City-paid term life insurance policy equal to three times annual salary to a maximum of \$500,000.

Disability: City-paid short-term and long-term disability insurance.

Management Physical: Annual City-paid physical exam.

Deferred Compensation: Available through ICMA Retirement Corporation.

Application & Recruitment Schedule

To be considered for this exciting career opportunity, please mail a comprehensive resume, including salary history, and letter of interest with three professional references by 4:30 pm on Friday, November 13, 2009 to:

Ken Bott, Administrative Officer
Long Beach Water Department
1800 East Wardlow Road
Long Beach, CA 90807
ATTN: Telemetry Superintendent

Following the filing deadline, the most qualified candidates will be invited for an interview. If necessary, the top candidate(s) may participate in further selection procedures.

For more information, visit: <http://www.lbwater.org>

EQUAL OPPORTUNITY EMPLOYER:

The City of Long Beach intends to provide reasonable accommodations in accordance with the Americans with Disabilities Act of 1990. If a special accommodation is desired, or if you would like to request this information in an alternative format, please call Ken Bott, Administrative Officer, at (562) 570-2364.