



EXPLORE YOUR CAREER IN THE WATER/WASTEWATER INDUSTRY

Within the San Francisco Bay Area, 7.5 million residents rely on over 50 water/wastewater utilities to provide safe drinking water and protect the environment. These utilities collect, treat, and distribute drinking water, and collect, treat, and properly discharge or reuse treated wastewater.

**I get
paid to
learn.**

Francisco Espinoza,
Instrument Technician

In order to reliably perform this valuable work, which protects the health of communities and the environment, utilities rely on skilled trades workers: Water and wastewater treatment operators, water distribution operators, electricians, electronic maintenance technicians/instrument technicians, mechanics, and machinists. Large agencies tend to have highly specialized job classifications, but smaller agencies may have one person handle a combination of responsibilities. More information about these jobs can be found on our website at baywork.org.

EDUCATION, TRAINING, & JOBS

For entry into most skilled trades positions, a high school degree or equivalent is required with courses in math, science, and English (reading and writing). For many skilled trades positions, a combination of additional education and on-the-job training is required to achieve journey-level status. Specific job categories also often require specific credentials and certifications.

You can find more information about each of these skilled trades careers, including information on where you can obtain technical training, an internship, or a job in the Bay Area, by visiting the BAYWORK website at baywork.org.



Published by BAYWORK, a collaborative of Bay Area water and wastewater agencies working together to ensure workforce reliability. This brochure features skilled trades workers from North Coast County Water District, Union Sanitary District, Zone 7 Water Agency, Alameda County Water District, the City of San Jose, San Francisco Public Utilities Commission, and San Jose Water Company.



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BE INVALUABLE



Become a Skilled Trades Worker in the Water/Wastewater Industry

TRADES JOBS IN THE WATER/WASTEWATER INDUSTRY



ELECTRICAL WORK

Electricians and electrical workers install, repair, operate, and maintain electrical systems including wiring within a facility, security, and communications systems, high-voltage systems, pump stations, and generators.



MECHANIC / MACHINIST WORK

Mechanics/machinists create, maintain, and repair mechanical equipment, including pumps, engines, and generators, using their knowledge of metals and skill with machine tools.



INSTRUMENTATION WORK

Electronic maintenance technicians (EMTs) and instrument technicians install, maintain, and repair electronic monitoring and communication equipment, such as pressure and level sensors and recorders, programmable logic controllers, relays, or computers.



WATER DISTRIBUTION

Water distribution operators monitor, control, and maintain drinking water distribution facilities, including pipelines, pump stations, and reservoirs. They also may service, repair, replace, calibrate, or maintain distribution system equipment, including pumps and valves.



WATER TREATMENT

Water treatment operators operate, inspect, and maintain complex processes and equipment in water treatment systems. They are responsible for treating drinking water to meet state and federal standards before it is delivered to consumers.



WASTEWATER TREATMENT

Wastewater treatment operators inspect, operate, and maintain a variety of processes and equipment that treat wastewater so it can be released to the environment without endangering human health or the environment.

**My job allows me to live
comfortably in the Bay Area.**

Chris Nicoletti, Machinist