



COPIX[®]



Services for Water Distribution Systems

CORIX Water Services offers a complete range of services for water distribution systems including repair and maintenance of fire hydrants to preventative maintenance, inspection, fire flow testing and "C" Factor analysis. We also provide testing and maintenance of large water meters in accordance with American Water Works Association (AWWA) standards to help ensure your billing is accurate and fair.

Our customers include municipalities, contractors, property management companies, resorts and private property owners.

OUR SERVICES

Watermain cleaning

CORIX utilizes flushing and/or swabbing to improve water quality and to cut down on future maintenance costs.

- Foam swabbing of watermains and other pipelines
- Pigging and other more aggressive cleaning operations
- Supply of pigging and swabbing tools, fixtures and pumping equipment for clients
- Consulting services

Disinfection

CORIX has a complete disinfection process for new, existing, relined and repaired watermains. We work with all sizes and types of pipe and complete everything from the first stage disinfection proposal to the final dechlorination and disposal of wastewater.

- Chlorination in accordance with AWWA standards and the Safe Drinking Water Act (2002)
- Neutralization of chlorinated or chloraminated water for safe and legal disposal
- Slug, continuous feed and super-chlorination processes available for clients depending on pipe size and material
- New, repaired or relined watermains





Hydrant flow testing, data collection/analysis and repair services

CORIX offers a complete range of hydrant testing and reporting in accordance to the Ontario Fire Code (OFC). We provide yearly maintenance programs to help our public and private clients meet the requirements of local by-laws and the OFC regarding the maintenance and testing of fire hydrants. We also provide a full range of repair services that are available on an as-needed and/or emergency basis.

- Single hydrant flow tests, measuring discharge only
- Single-pair hydrant tests, measuring flow with a corresponding residual
- Group flow testing, in accordance with National Fire Protection Association (NFPA) standards for colour coding of hydrants
- Flow curve generation for pipelines
- Replacement of old style (solid barrel) hydrants with new century style hydrants
- Repair of fire hydrants damaged by wear, abuse or collision
- Grade adjustments raising or lowering of hydrants to grade without digging
- Preventative maintenance overhauls and upgrades
- Conversion of internal parts and upgrades to upper barrels
- Fire flow testing and "C" Factor testing
- Storz port conversions
- Inspection services

Pressure testing

CORIX offers pressure testing for new or repaired water mains to comply with local municipal requirements. We are also able to detect and find leaks so repairs can be completed in an efficient and timely manner.

- Pipeline/main testing up to 500 psi or to suit
- Portable pumping equipment (up to 50 litres per second) to fill large pipelines efficiently
- Supply of hoses, adapters, tools, fittings and fixtures to suit any application

Leak detection

Municipalities experience tens of thousands of dollars in lost revenue due to leaking pipes every year. Our leak detection program uses state-of-the-art, computerized leak detection equipment to find and measure leaks. Finding and repairing these leaks will result in almost instant savings for you.

- Water loss surveys
- District metering assessment projects

Reservoirs

Water storage reservoirs are cleaned and disinfected in accordance with Ontario Ministry of the Environment guidelines and AWWA standards.

Potable temporary bypass systems

CORIX understands that even though watermain upgrading and replacement must be completed, it is not acceptable to have water supplies interrupted affecting the end user. We are able to help keep the supply of water flowing and prevent dissatisfied customers.

- Complete bypass systems installed during periods of repair or the replacement of existing water mains
- All aspects of the system are supplied - supply, installation, disinfection, sampling and the connection to the end user
- All materials are approved for use in potable water systems
- All systems are supplied with a certified backflow prevention device
- Bypass systems are available with temporary fire hydrants and/or connection to existing fire sprinkler or standpipe systems



Measurement

CORIX understands that a part of providing safe and reliable water to our communities is making sure that it is measured accurately. Water meters provide accurate billing to the customer, important usage data for the utility and help to eliminate lost revenue due to leaks. The importance of routinely testing, calibrating and replacing water meters has increased significantly due to the increased costs of potable water, both on the supply and consumer sides. CORIX offers:

- Testing of positive displacement, compound, turbo, high performance turbine and fire service meters
- Testing of large flow meters
- Testing and re-calibration according to AWWA and/or municipal standards
- Backflow replacement
- Large scale installations and/or change-outs of residential and commercial water meters
- Repair and replacement of large diameter, residential and commercial water meters



Contact CORIX today to discuss your project needs.

Bulk truck water fill systems

CORIX offers truck water fill systems to help water managers maintain control by restricting tank truck access within a filling station. We provide metered and backflow protected facilities as well as simple, real-time transaction recording, reporting and invoicing. This provides supplementary revenue and encourages buyers to use water wisely.

- Easy-to-use systems keep water trucks working efficiently to minimize down time and business disruptions
- Programmable user interface can control who uses the system through pre-paid, invoiced or volume-based limits
- Wide range of capacity from compact, hydrant-attached devices to large multiple-head units, all of which are fully customizable

Multi-year service packages

CORIX realizes that there are times when purchasing a particular service may be necessary, but we also offer complete yearly or multi-year maintenance packages. The cost for this is built into one low monthly price that will help with budget constraints and manage your maintenance needs at the same time.

- Valve and hydrant maintenance (repair and/or replacement as needed)
- Swabbing and flushing of water mains
- Sampling as required

Our operators

CORIX operators are highly trained in health, safety and operational standards and are licensed under the Ontario Regulation 128/04. This ensures a high level of service and protection to your water system.

Our Class 1 Water Distribution System operators are able to handle all areas of watermain services including initial inspection, swabbing, hydrostatic testing, disinfection, hydrant and valve maintenance and repair, leak detection and reservoir cleaning and disinfection.

Delivering the CORIX advantage

CORIX is a fully integrated provider of utility infrastructure products, services and systems, including those for water, wastewater and sustainable energy. We are committed to delivering superior customer care through our service-driven programs and are focused on delivering flexible, innovative solutions that meet the unique needs of our clients. Safety, longevity and ease-of-use are always emphasized, to maximize social, economic and environmental returns.