

Operation & Maintenance of Fleet, Distribution & Collection Systems, and Natural Gas Facility

APPLICATION:

Municipal Public Utilities
& Fleet Maintenance

LOCATION: Live Oak, FL

COMMENCED: 2020

CAPACITY: 32 MGD

TECHNOLOGY:

Net Facilities,
Computerized Maintenance
Management System (CMMS)

CONTACT DETAILS:

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BACKGROUND

The City of Live Oak awarded a contract to H₂O Innovation after a competitive request for proposals in 2020. Live Oak, a city located in Suwannee County, Florida, is approximately nine square miles in size and serves a population of 7,000.

SCOPE OF WORK

H₂O Innovation maintains and repairs the City's vehicles and equipment, which includes all public works and sanitation equipment, as well as police vehicles. H₂O Innovation also operates, maintains, and repairs the City's treated water distribution system and has implemented a water distribution system operation program for the flushing of dead-end system main lines, for pressure regulator valve testing, and for zone pressure balancing. The scope of work includes the repair of any leaks or damages that occur in the water distribution system. Tasks such as meter reading, disconnections, reconnections, and meter testing for pre-existing water services are also carried out in accordance with the corresponding work orders.

Regulated natural gas services are carried out in compliance with the requirements set forth by the Public Service Commission. On average, there are 45 gas line repairs per year, 650 utility locates per year, two weekly inspections, 46 monthly inspections, and five annual inspections.



In order to ensure unobstructed flow and to minimize overflows, H₂O Innovation manages, operates, and maintains the Sanitary Sewer Collection Systems, which include 23 lift stations. A log of various activities, such as regular cleaning and servicing of line feet, allows for effective monitoring and management of the systems.

Furthermore, H₂O Innovation maintains Live Oak's storm water system. This includes the maintenance of the 26 detention ponds, of the 45 drainage wells and of the ditches, as well as pipe repairs throughout the city.