

# MUNICIPAL WATER UTILITY



 **CLIENT**  
Municipal Water Utility

 **INDUSTRY**  
Water Utility

 **VALUE**  
\$136,000

## OVERVIEW

In March of 2018, OS Engineering performed an upgrade of Water Utility's SCADA system, upgrading from RSView32 to Ignition by Inductive Automation. The upgrade included the design of 80+ control screens for the wellfields, treatment plants, pump stations, and distribution of the city's water. Existing detached sub-systems were integrated into the Ignition project, including the viewing and management of water quality compliance reports, configuration of an on-call alarm notification roster, and a daily operator log. Obfuscated reporting calculations were streamlined utilizing the transaction groups and named queries features that Ignition's SQL bridge module provides.

## SCOPE

- Install and configure Ignition and MSSQL software
- Develop a new tag database, codifying the tag names and structure
- Design new control screens utilizing ISA 18.2 and ISA 101 standards, making use of templates to standardize screen components
- Develop six monthly compliance reports
- Implement an on-call alarming notification system
- Develop operations tools including on-call roster management, daily logs, ad-hoc trends, and sensor calibration data entry

