



## Synergy Sponsor Series

### Case Study: Golden State Water Company & Trinnex

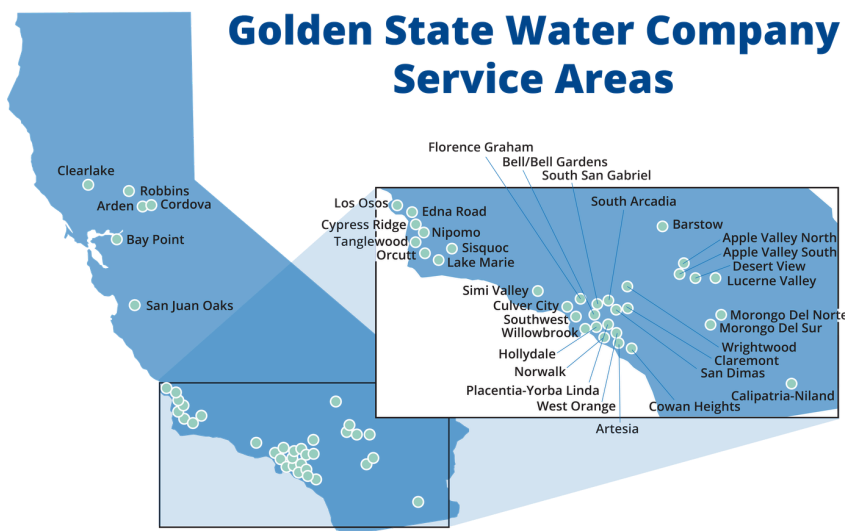
**Case Study Overview:** The NAWC Sponsor Synergy Series celebrates the power of partnership in advancing the water industry. Each case study in this series highlights how NAWC Sponsors collaborate with member water companies to drive meaningful progress — whether through innovation, enhanced reliability, improved safety or sustainable growth.

NAWC's Sponsors are helping move the industry forward by working with America's regulated, private water companies to address today's challenges. The partnership between Golden State Water Company and Trinnex demonstrates this collaboration in action.

Golden State Water Company partnered with Trinnex to modernize its pipe replacement planning across 2,900 miles of water mains. Facing a time-consuming manual process to group and prioritize high-risk pipes, Golden State Water leveraged Trinnex's Data Science-as-a-Service (DSaaS) and digital consulting to build an automated, data-driven solution.

Trinnex enhanced Golden State Water's GIS-based risk modeling—evaluating likelihood and consequence of failure—and applied spatial clustering paired with multi-objective optimization. This algorithm automatically groups high-risk pipe segments into compact, construction-ready packages while balancing competing priorities such as budget, main break reduction, and community disruption.

#### Golden State Water Company Service Areas



The collaboration delivered a repeatable, defensible framework that replaces complex manual reviews with advanced analytics. By optimizing project packaging, Trinnex enabled Golden State Water to uncover high-priority pipe candidates, improve construction efficiency and support reliable water service for over one million Californians across 81 communities.