



# THE SOUTHERN NEVADA WATER AUTHORITY'S JOURNEY TO TAME THEIR VAST AND COMPLEX ENGINEERING RECORDS

## Industry

Utilities

*"Time spent searching for drawings went down to two minutes. Our information is now quickly accessible."*

– Greg Kodweis, Director of Infrastructure Management

**450HRS**  
SAVED MONTHLY

**24%**  
DUPLICATE REDUCTION

**464K**  
ENGINEERING DRAWINGS

## THE COMPANY

Established in 1991 to address the unique water challenges of Southern Nevada, the Southern Nevada Water Authority's (SNWA) mission is to provide a safe, reliable, and sustainable water supply to the region while promoting conservation and responsible water use. SNWA manages water resources from the Colorado River, local groundwater supplies, and other sources, ensuring their efficient distribution and use. The organization is also known for its extensive conservation programs, and through these initiatives, SNWA has significantly reduced per capita water consumption in the region, despite substantial population growth.

Serving over 2.2 million residents and approximately 40 million annual visitors in Southern Nevada, the authority operates advanced water treatment facilities and has developed innovative water banking agreements and resource-sharing arrangements with neighboring states to enhance regional water security. Looking ahead, SNWA aims to expand its conservation programs, invest in resilient infrastructure, and promote sustainable growth.

## THE CHALLENGE

Southern Nevada Water Authority (SNWA) is responsible for water treatment and delivery for more than 2.1 million residents, as well as the management of Hoover Dam. Over a 10-year period, SNWA rehabilitated pumps, replaced the entire electrical system, and completed landscaping and chemical feed piping.

This resulted in a large volume of data in multiple file formats and locations. The inconsistencies led to workforce and document management inefficiencies. Their teams were unable to collaborate in real-time and much of their valuable time was wasted searching for the most accurate drawings. With a large percentage of their workforce retiring soon, it was critical to find a solution that would be quick and efficient to implement.

## THE SOLUTION

Accruent reviewed the data structure and SNWA's pain points associated with their document management processes.

SNWA's drawings were streamlined and migrated into RedEye's advanced cloud-based solution, with minimal impact to the organization. Every drawing received a QR code to give field staff the choice of using a paper copy or electronic version, that are now instantly accessible to the entire organization via mobile devices and computers.

Implementation was successfully completed in phases, prioritizing change management and communication across different departments, teams, and offices.

***"We went from 464,000 drawings down to 351,000 by removing direct duplicates - a 24% reduction."***

– Greg Kodweis, Director of Infrastructure Management



# THE BENEFITS

All departments within the organization embraced RedEye, and employees were trained to use the system in only a few months.

Over 500 users across the organization have instant access to drawings and artifact, with over 14,000 searches performed each month. SNWA's document management system is now streamlined. The workforce seamlessly updates and records changes within 48 hours, including 550 mark-ups each month.

RedEye's public API allows SNWA to share electronic drawings with other enterprise platforms. The legal hold functionality saves SNWA a significant amount of time on legal requests, while also enabling SNWA to continue to maintain the latest updates and drawings.

Critical legacy knowledge is now captured and no longer lost as employees retire. Accounting for time savings alone, payback has been less than 12 months.

***"The ROI for time savings alone was less than 12 months with an estimated 450 man-hours saved per month."***

– Greg Kodweis, Director of Infrastructure Management

## CONTACT FOR A DEMO



**Accruent, LLC**

[www.accruent.com](http://www.accruent.com)