esri

# Esri News for Water Utilities & Water Resources

## Video Case Study: New Jersey American Water

New Jersey American Water is leveraging emerging spatial technology to optimize their GIS. Tools like ground-penetrating radar, drone imagery, 3D scanning and modeling, and augmented reality are expanding the ways they interact with asset information. The use of advanced technology has enabled more efficient project planning, real-world modeling of facilities and assets, and increased accessibility to information throughout the organization.

Watch the Video

---

## Using AI to Identify Wetlands in Minnesota

The National Wetland Inventory and the wetland science community have a common goal to improve wetland inventories, which are crucial for conservation, permitting, and policy. One facet of modernizing existing wetland inventories is to design and implement automated methods for wetland identification, for which GIS and AI are promising candidates.

Explore this Story Map

---

**Asset Mapping Using ArcGIS Field Maps Enables Pidpa to Work Faster**

Until recently, Pidpa located and identified underground water pipes using old, manual methods that were slow and impacted the quality of data. To modernize this workflow, Pidpa implemented Esri maps and field applications paired with high-accuracy GPS units. Work in the field is now completed more easily, effectively, and accurately, with improved data quality and shorter data processing times.

**Read Their Story**

---

**Meet Our GIS Hero**

GIS analyst Mark Rees leads a team that provided mapping support to the City of Wentzville's Water Division. During his tenure at the city, Mark has used Esri software to migrate data collection from a paper-based to an electronic format using ArcGIS Enterprise. The use of ArcGIS Field Maps has allowed for the seamless integration of GIS technology to increase operational efficiency across all programs managed by the Water Department. Mark has also automated various processes using Python to provide up-to-the-minute information about program status and data collection efforts.

**Learn More about Mark**

**Mark Rees – GIS Analyst**
City of Wentzville, Missouri

> *With the integration of the Esri GIS system within our Public Works Department, we have greatly increased engagement with our community. Mark's work to develop GIS mapping has allowed our citizens to have real-time access to vital information, such as water main breaks and any precautionary boil advisory, reducing concern calls to the Department and increasing overall productivity of staff. This work has greatly contributed to our commitment as a City to transparency and responsiveness to our customers.*
>
> **Devon Dezort**
> Assistant Director of Public Works—City of Wentzville, Missouri

---

**Join Esri Water in San Diego for Our Pre-UC Meetings**

Kick off your week in San Diego with Esri Water! Choose from two meetings hosted on Sunday, July 14, 2024. Water utilities and water resources-focused content will be shared by Esri staff and industry thought leaders. Join us for discussion, networking, and to connect with your peers.

**RSVP via Esri Water Meetup**

---

**Industry Spotlight**

**ArcGIS Solutions: Green Infrastructure Inspections**

Green Infrastructure Inspections can be used to streamline inspections on private and public land ensuring stormwater runoff is being managed effectively. The solution delivers a set of capabilities that help stormwater managers assign record and monitor inspection and maintenance activities.

This is a no-cost, industry-specific configuration available to Esri customers.

**Learn More**

**The Hunt for Lead: Using Web Maps & Apps for Lead Service Line Identification**

In this webinar, the City of Oklahoma City shares how they have strategically worked to identify lead service lines. City staff discuss their pilot program and demonstrate mobile and web-based mapping applications being used to track and report lead service lines, supporting their goal of meeting the Environmental Protection Agency's compliance deadline.

**Watch the Webinar**

---

**Transforming Municipal Water Mapping with GNSS**

Explore the exciting world of Global Navigation Satellite System (GNSS) applications in municipal water management with GIS project manager David Malm. In this interview, Malm shares his passion for mapping municipal infrastructure with centimeter-level accuracy using Eos GNSS receivers and ArcGIS apps.

Learn More

---

**Connect with Esri Water**

Esri Infrastructure Management & GIS Conference
October 22–24, 2024
Palm Springs, CA

Water Team on Twitter
Water Utilities on LinkedIn
Water Resources on LinkedIn
Esri Water Meetup

---

*Making Infrastructure Customers Successful*–Volume 4

The 2024 publication of our customer success ebook demonstrates how organizations make concrete improvements to infrastructure management. You will find case studies from water utilities as well as electric; gas; telecommunications; and architecture, engineering, and construction (AEC). Explore the ebook to learn how location-based technology is applied to improve asset management, operations, planning and engineering, customer care, and network management.

**Learn How Esri Partners and Customers Collaborate on GIS Goals**

---