



# Aquasight's AMP™: Leading City of Warren, MI into a New Era of Asset Management

Empowering Warren with Data-Driven Decisions.

## At a glance

Aquasight's AMP™ software solution enhanced Warren's water distribution asset management by integrating advanced insights and capital planning capabilities with existing GIS datasets.

## Key metrics

In just two months, Aquasight's AMP™ made the ~26,000 asset system operational, leading to significant savings by avoiding multi-week surveys and associated engineering costs.



**26,000**

assets brought online



**MULTI-WEEK**

savings of survey time

**AQUASIGHT**  
INTELLIGENT WATER SOLUTIONS



[www.aquasight.io](http://www.aquasight.io)



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## CHALLENGE



Warren, with its 140,000 residents over 35 square miles, recently centralized water distribution asset information into GIS. The challenge is to create an asset condition, risk, and capital planning workflow to support the repair and rehabilitation of the water infrastructure and establish an appropriate rate structure to fund these investments.

## SOLUTION



Aquasight's AMP™ was deployed to enable a dynamic asset management and capital planning workflow. This implementation required Machine Learning to fill missing customer criticality data and incorporated industry standard best practice risk formulas to dynamically create asset risk and capital planning scenarios.



**Data  
Integration**



**Dynamic Risk  
Formulation**



**Capital  
Planning**

## BENEFITS



1

### Real-Time Insights

AMP™ offers daily updates on risk scores, allowing immediate understanding of both current and emerging risks with minimal effort.

2

### Flexibility during Unforeseen Events

The software updates condition and risk scores during unexpected incidents, like main breaks, ensuring adaptive repair/replace decision-making.

3

### Strategic Planning

Users can design specific CIP views for recognized problem areas or concentrate on system-identified high-risk zones, enabling proactive asset management.