



ILLINOIS
AMERICAN WATER

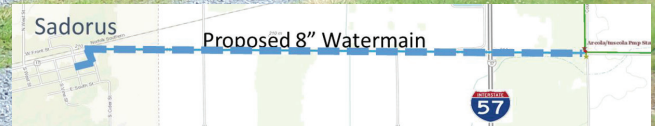
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SOLUTIONS THAT WORK

The sale of Village of Sadorus water system to Illinois American Water made good sense for customers and the community.



SOLUTIONS AT WORK



VILLAGE OF SADORUS WATER SYSTEM ACQUISITION

The Village of Sadorus is located roughly 20-miles southwest of Champaign, Illinois. The water system serves about 200 customer connections and is comprised of two active ground water wells.

CHALLENGES

- **Water Quality:** The village has been experiencing water quality issues from its wells and treatment processes. In addition, due to dead-end mains in the distribution system, frequent flushing was necessary.
- **Fire Protection:** The distribution system consists of mainly undersized 2-inch and 4-inch water main. This creates insufficient flow for adequate fire protection for the community. Concern over the number and spacing of hydrants through the system also impacted fire protection capabilities. Existing funds would not cover needed capital infrastructure improvements.

SOLUTION

Village officials hired an outside consultant to assess alternatives to address their system needs. The recommendation was to explore selling the system to Illinois American Water. Through negotiations with Illinois American Water, the Village of Sadorus confirmed the decision to sell.

BENEFITS

- **Water Quality:** Illinois American Water is constructing a 2.5-mile transmission main to provide customers with high-quality drinking water from the Champaign District, eliminating the reliance on the poor performing wells. After hydraulic modeling, revisions to the system to eliminate dead-end mains will be implemented, improving the flow throughout the system.
- **Fire Protection:** Conceptual distribution improvements have been identified which would include replacement of the undersized water main. This will increase overall flow throughout the system for improved fire protection. In addition, after appropriate hydraulic modeling, proper hydrant location will be determined to improve fire suppression capabilities as well as required hydrant replacements.



QUESTIONS?

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