



Creating Efficiencies Using Mobile GIS and Operational Dashboards for Wastewater Collection **Systems**

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What to **Expect**



Case Study



Software Demo



Recap/Advantages



Case Study

Wisconsin Water Recycling Center

12,000 population

1,400 manholes

58 miles of sanitary main



Their Tracking Needs

Lift station & manhole inspections

Sewer televising

Sanitary pipe cleaning

Sewer backups



What They Were Working With

Paper/pencil records

Maintenance sheets in a file cabinet

Sewer videos on a shelf

Old, limited GIS

Efficiency Bottlenecks

Planning lift station, manhole, and cleaning inspections on a rotational basis.

Piecing together information to try to analyze what needed to be rehabbed.

Strategizing a rehab plan.





Streamlining with ArcGIS Online

Custom Dashboards Developed

Sewer Backups

Sewer Pipe Cleaning

Sewer Pipe Televising

Lift Station Inspection and Maintenance

Wastewater Operations Mobile GIS Demo



Wastewater Operator Outcomes

Efficiently carry out inspections

Easy to use

Better data access

Quicker action

Better decision making

Wastewater Supervisor **Outcomes**

Visualize city asset condition & plan inspections

Analyze information & strategize rehab plans

Quicker end of year reporting

Bonus: Easy prep for utility group and City Hall meetings







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