

# TECH FEED

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## What Four Savvy Operators Know About Mag Meters Saves Time, Money & Headaches

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By Nick Voss FPI Mag® Product Manager  
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If your flow meter is costing you time and money . . . and that all adds up to real operational headaches, then you might want to hear what four McCrometer customers who installed the FPI Mag® Flow Meter have to say about this problem-solving flow instrument.

## Davidson Water, Lexington, North Carolina

[Davidson Water, Inc.](#), has a plant capacity of 20 million gallons per day (mgd). The company was experiencing problems with unaccounted water loss and needed a highly accurate flow measurement solution to assist with non-revenue water tracking and leak auditing. After 14 FPI Mag Meters were installed to address this issue, non-revenue water loss has decreased from 16.7 to 13 percent. Managers are confident that water loss will continue to decrease as more FPI Mag Meters are brought into full production.

“Having all 14 units on the same meter platform with the same accuracy allows Davidson to easily collect and compare data across their system...The FPI Mag flow meters are allowing us to pinpoint pressure zones with issues. Once we know we have an issue, we can break it into subzones and start a rapid street-by-street investigation,” said **Dale Draughn**, Cross-Connection Control Coordinator.

## City of Cedar Rapids Water Division, Iowa

The [City of Cedar Rapids Water Division](#) has over 50,000 metered accounts, including residential, commercial and industrial, and serves a population base of around 128,000 people. The city had been using clamp-on ultrasonic flow meters that were underperforming, susceptible to electrical and radio frequency interference and maintenance intensive. After over two years in operation, McCrometer’s FPI-X™ Mag meters have greatly improved accuracy and nearly eliminated maintenance problems experienced with the strap-on ultrasonic flow meters.

**Brian Jess**, Instrument Technician, said, “We spent some time looking closely at various flow meters, and the FPI-X Mag’s track record is outstanding as compared to previous meters. The FPI-X Mag is reliable for operations staff, its maintenance is next to nil, it’s easy to take out if needed...overall, you could say I’m ecstatic with the product.”

## Seattle Public Utilities

Seattle’s [Cedar Water Treatment Facility](#) provides 70 percent of the metropolitan area’s drinking water and can treat up to 180 million gallons (mgd) of water per day. The facility features an advanced ozone/ultraviolet (UV) treatment process which disinfects the water

as well as improves taste and odor. Designed, built and operated by CH2M Hill, the facility is a model for sustainable environmental design. Accurate flow measurement on the UV disinfection system was challenging and resulted in design upgrades to the FPI Mag Flow Meter.

Cedar Water Treatment Facility Operations Manager **John Wesely** said, "McCrometer stood behind the product and invested in R&D to make improvements. McCrometer certainly exceeds the standards of most vendors and it was refreshing to see how they stood behind its product. I would certainly do business again with McCrometer."

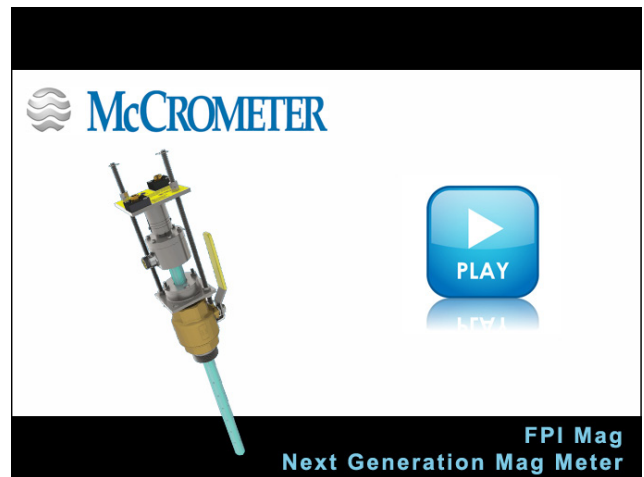
### Ashley Valley Water & Sewer Improvement District

The [Ashley Valley Water & Sewer Improvement District](#), located outside the city of Vernal, UT, can process up to eight million gallons (mgd) a day of raw water. If the plant exceeds its water share allocation, the district is forced to purchase water at a more expensive rate. The plant

selected the FPI Mag flow meter for installation because of its accurate performance, easy hot tap installation and low maintenance.

According to **Ryan Goodrich**, Ashley Valley Assistant Manager, "The flow meter has performed as well as advertised and the install process was as easy as we were told. We have been very impressed with the whole process, from ordering to installation."

Of course, there is a lot more to learn about flow meters from the innovative leaders at McCrometer, who are the industry flow experts. Call 800-220-2279 or visit us online at [www.mccrometer.com](http://www.mccrometer.com).



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