



TO: President Gardiner and Members of the Town Council

FROM: Jill E. DiTommaso, PE  
Deputy Town Manager

DATE: January 16, 2023

RE: Procurement of Flow Meters and Hypochlorite Dosing Equipment

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### **Background**

As a water utility, the Town of Munster is required to maintain a residual level of chlorine in the water provided to our customers. This chlorine residual is needed to protect against waterborne pathogens that might enter the water as it travels through the distribution system. Routine water sampling throughout Town has shown low residuals in certain areas. Injection of a hypochlorite solution into the drinking water at the Town's two pumping stations will increase concentrations of chlorine to maintain the desired residual levels in the distribution system.

Flow meters at the Calumet Avenue station are needed to determine the appropriate injection rate of hypochlorite. The Riverbend station is already equipped with flow meters. An added benefit of the flow meter installation will be actual measurement of the amount of water flowing through the distribution system, rather than an estimate of flow based on motor speed and pump run time. This information is useful to optimize operation of the water system.

### **Methodology**

On December 16, 2022, an advertisement was published in the NWI Times requesting quotes for the equipment needed for this project. Public Works staff will install the equipment at the Riverbend station. A contractor will be engaged under a future contract to perform the work at the Calumet Avenue station due to the complexity of the installation there.

One quote was received from Metropolitan Industries for \$89,871.00. For this price, Metropolitan will provide the necessary equipment, all programming needed to integrate the flow meters and dosing pumps with the Town's supervisory control and data acquisition (SCADA) system, start-up assistance, and training. Metropolitan currently provides SCADA services for the Town's pumping stations and is very familiar with our operations.

### **Recommendation**

By motion and voice vote approve the purchase of the flow meters and hypochlorite dosing systems for the quoted price of \$89,871.00.