



## Legislation Text

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**File #:** 20-3554, **Version:** 1

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Resolution - A Resolution Awarding a Forty-Eight Month Contract for the Lease of Chlorine Dioxide Equipment, Services, and the Supply of Sodium Chlorite, for an Amount Not to Exceed \$0.706 / Wet Pound (Utility Funds FY-2020-2024 Operating Budget 25-8105-8401-01)

Consider the attached resolution authorizing a four-year contract for the Lease of Three Chemical Generating Chlorine Dioxide Equipment, Services, and the Supply of Sodium Chlorite.

City staff recommends approval of a resolution awarding the bid to the lowest and best bidder, Evoqua Water Technologies, for the lease of chlorine dioxide equipment, services, and the supply of sodium chlorite for an amount not to exceed \$0.706 / Wet Pound.

The Bud Ervin Water Treatment Plant (BEWTP) has used chlorine dioxide since 2003. Its primary role is to oxidize and participate out of the water iron and manganese metals. This is a critical protection process for the microfiltration membranes and their life expectancy. Evoqua is the current vendor and is the patent holder for the three chemical process for onsite chlorine dioxide generation.

Chlorine Dioxide reduces taste and odor complaints, assists in the removal of organic and inorganic compounds, and increases the clarity of settled water. The end result is a more pleasant and safer supply of drinking water. Currently, a two chemical process is in place to generate chlorine dioxide. One of these two chemicals is chlorine gas. Chlorine gas is a highly regulated chemical and is extremely toxic to humans. Converting to a three chemical process to generate chlorine dioxide will eliminate the use of chlorine gas at the plant, making it a less toxic work environment, less required regulatory compliance, and safer for the citizens of Mansfield.

Utility Fund FY-2020-2024 Operating Budgets

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