

Rothsay Water Infrastructure Improvements

About Rothsay

Rothsay is in western Minnesota off Interstate-94 and only 35 minutes from Fargo, North Dakota. The town's economy thrives on agriculture services and farms, with a variety of commercial businesses along County Highway 11. The city's population is almost 500 residents and more than 200 households.



Water System Conditions and Needs for Improvement

The City's water system includes two wells, a treatment plant, storage tanks, and a distribution network that serve all residents within city limits.

Water Treatment Plant

The water treatment plant, built in 1993, filters out iron and manganese from the City's drinking water but it needs significant upgrades to ensure reliable service. Some of the equipment is outdated and needs replacing, and the filtration process still operates manually. Key improvements include automating the system, adding a chemical storage room, upgrading pumps to maintain a consistent water flow, modernizing the controls, and installing a standby generator for power outages.

Upgrading the water treatment plant will ensure safe drinking water for residents, prevent service disruptions and modernize the system for long-term use.

Water Storage Tanks

The city's elevated storage tank, over 20 years old, is due for a complete replacement of its original coatings, which have reached the end of their service life. This project will include any necessary structural updates to ensure OSHA compliance and the addition of a tank mixer to ensure proper water quality management. **Replacing the storage tank's coatings and making necessary structural updates are crucial to maintaining water quality and ensuring safety compliance.**

Cost Summary

Rehabilitating the water treatment plant and the water tower is essential to maintain safe and reliable water service in Rothsay. These updates will provide safer drinking water for residents and help prevent future water related disruptions.

Water Treatment Plant and Water Tower Rehabilitation Costs

Description	Treatment Rehab Cost	Water Tower Rehab Cost
Construction Cost	\$1,250,000	\$425,000
Engineering and Admin (20%)	\$250,000	\$95,000
Contingency (10%)	\$125,000	\$42,500
Total per project	\$1,625,000	\$562,500
Grand Total		\$2,187,500

Contact Information

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