

CITY OF RANDOLPH

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City of Randolph Water System Improvement Project

The City of Randolph is pleased to announce the approval of a comprehensive water system improvement project, reflecting our ongoing commitment to delivering safe and reliable drinking water to our community.

Safe drinking water is essential for the health and well-being of every individual. It supports sanitation, hygiene, and overall public health. The U.S. Environmental Protection Agency (EPA) has established strict regulations for treating and monitoring public drinking water systems. Additionally, the Iowa Department of Natural Resources (IADNR) plays a vital role in safeguarding water quality through its drinking water protection programs.

The current infrastructure of the City of Randolph Public Water Supply System is aging, with components that are nearly 100 years old. To ensure continued delivery of high-quality water, the city has developed the following project plan:

Project Plan

1. Construction of a New Well and Water Plant Rehabilitation

- Randolph's two existing wells are nearing the end of their production capacities, as identified in a recent IADNR survey. The well risers and casings require reinforcement and cleaning to maintain functionality.
- The lack of an alarm system for well pump failure and the absence of an auxiliary power source pose significant operational risks.

2. Installation of a New Elevated Water Storage Tank

- The existing water tower has undergone multiple repairs, including a recent \$7,500 leak repair. Replacement of the tank is now necessary to ensure long-term reliability.

3. Replacement of the Water Main on Randolph Street

- The current system does not meet fire safety standards, which require adequate fire hydrants and 6-inch water mains for fire protection.

4. Replacement of Cast Iron Pipes with 6-Inch PVC Pipes

- The original cast iron pipes, installed in the 1930s, have become prone to leakage, leading to water loss and inefficiencies in the distribution system.

5. Upgrade of Old Water Meters

- Outdated water meters and unmetered users contribute to revenue losses and higher water rates. Modern replacements will improve accuracy and financial sustainability.

Proposed Initial Capital Project Plan Costs

The proposed initial capital project aims to implement all planned water system improvements, contingent upon securing sufficient funding. The following table outlines the selected cost estimates, which include total construction expenses, land acquisition, rights-of-way, contingencies, legal fees, and engineering costs:

- Construction of a new well to provide additional water: \$348,000
- Rehabilitation of the water plant: \$302,000
- Installation of a new elevated water storage tank: \$883,000
- Replacement of the existing water main on Randolph Street: \$679,400
- Replacement of remaining cast-iron pipes with 6-inch PVC piping: \$1,630,000
- Replacement of outdated individual water meters: \$73,200

Project Funding Sources

The city has secured funding from multiple sources to support this critical infrastructure project:

- Iowa Economic Authority Community Development Block Grant (CDBG): \$500,000
- Iowa Drinking Water Treatment Financial Assistance Program (WTFAP): \$500,000
- USDA Rural Development Grant: \$1,726,000
- USDA Rural Development Long-Term Loan: \$1,769,000 (40-year term at 2.125% interest)
- Water Utility Revenue: To Be Determined

This investment in our water system is a significant step forward in ensuring the health, safety, and prosperity of Randolph's residents. The city extends its gratitude to all stakeholders for their support in this vital initiative. For more details or questions, please contact Randolph City Hall, Mayor Farwell, or a member of the City Council.