2021 Culinary Water Bond Project List
2-17-2021

1. Well #12

Under existing conditions, the City has an estimated surplus capacity of 19 gallons per minute (gpm) during peak day conditions with all sources in operation. However, in order for the City to have source redundancy such that no single drinking water source is indispensable, about 1,500 gpm of additional source capacity is needed.

Under 2060 conditions, a source deficiency of 1,930 gpm is projected.

This project includes siting of new well location, design of the well and well equipment including pumps, plumbing, well house and communications equipment. The project will also require limited engineering construction services.

Cost Estimate: $2,265,000

2. Mill Creek Drive Waterline Improvements

Install 2,600 feet of 10-inch pipe and 2,700 feet of 12-inch pipe along Mill Creek Drive between Powerhouse Lane and 400 East. This includes connecting to Murphy Lane and Powerhouse Lane lines. The project costs include construction and limited engineering construction services.

Cost Estimate: $1,971,530

3. Optimize and Secure Existing Facilities

The City owns multiple spring and well houses, and chlorination facilities. Many of these facilities need major overhaul and upgrades. These facilities also need security improvements which will be funded as part of this project.

Cost Estimate: $1,000,000

4. Construct New 2.2 Million Gallon (MG) Water Storage Tank

The City currently has three 1.0 MG water storage tanks. Based on the recently completed Culinary Water Master Plan the City needs an additional storage tank to effectively provide fire flows and handle future growth in the City. This funding is anticipated to be the local cost share for a future CIB grant/loan.

Cost Estimate: $1,163,470

Total Cost Estimate: $6,400,000