

Water and Wastewater Committee Meeting Minutes

Monday, August 9, 2021

6:00 PM – 7:25 PM

Present: Larry Brooks, Tyler Weber, Melissa Brooks, Eric Blake, David Brown, Josh Kuhl, Marlene Harris, Shannon Woodard, Brent Benefiel, Kenneth Belcher and Elisabeth Belcher

WATER: Shannon Woodard's list discussed:

1. Received One (1) Bid for Proposed Well #10, from Brotcke Well & Pump (Fenton, MO) in the amount of \$289,019.00.
2. Tyler collected to prices for the repair of Well #6.
 - a. \$110,824 - Brotcke Well & Pump (Fenton, MO)
 - b. \$113,500 - Water Well Solutions (Elburn, IL) - {After modifying price to be comparable to other.}
3. History of Well #6
 - a. Constructed in May, 1991
 - b. Original pumping rate was 250 gpm.
 - c. In 2011, pumping rate was reduced to 210 gpm to extend life of well.
4. How Well #6 will be repaired:
 - a. Platform, controls, handrail and electrical conduits detached from well.
 - b. Well will be disconnected from raw water main.
 - c. Outer 36" steel casing cut and removed from platform elevation, down to below pitless. (20' Total)
 - d. Concrete grout between inner and out casing will be removed with jack-hammer.
 - e. Pitless will be chiseled out and replaced.
 - f. New 36" steel casing will be welded to existing casing.
 - g. New cement grout will be installed between inner and outer casing.
 - h. New pitless will be connected to raw water main.
 - i. Platform, controls and handrail will be re-attached to new casing.
 - j. Casing will be blasted and painted.
5. Engineer's Remarks:
 - a. \$289k for a new well is incredibly high. Believed to be double. Wells #8 & #9 were built in 2011 for \$115k each.
 - b. The overall life expectancy of a well is 40 to 50 years. Well #6 is 30 years into that. Though Newton wells have always been well maintained.
 - c. It might make sense to by-pass the pitless and bring the water over the top of the well, for a cost of \$30k to \$40k. Local well service group would do that work.
 - d. If a new well is desired, wait until next year to try again.
 - e. Well field consists of five (5) wells at 210 gpm each. EPA will give credit for total volume in 20 hours with largest well out of service, or $4 \times 210 \times 60 \times 20 = 1,008,000$ gallons per day capacity.
 - f. In the absence of Wells #6, that would temporarily reduce to: $3 \times 210 \times 60 \times 20 = 756,000$ gallons per day.

The Committee met to discuss repairing Well #6 or drilling a new well. The committee thought the best choice is to drill a new water well, but to rebid it next year thinking the bid will be lower next year.

Wastewater:

Wastewater Department Head, Brent Benefiel, needs a sludge storage building. The estimated cost will be between \$145,000 and \$160,000. We will advertise for bids at the next council meeting.

The EPA Report for the Sewage Treatment plant was good.

Rexvault has asked to empty their pump truck in the dump station. Shannon Woodard will develop a plan and cost with Rexvault, before presenting it to Council.

Water and Wastewater discussed a shared need for a new vac truck. Together the departments will bring quotes for purchasing and/or renting a vac truck.

Meeting adjourned at 7:25 PM.

Larry Brooks, Water and Wastewater Chairman