

**Town of Lyons, Colorado
Board of Trustees
BOT Agenda Cover Sheet
Agenda Item No: V. 2.
Meeting Date: 4 Nov 2024**

TO: Mayor Rogin and Members of the Board of Trustees

FROM: Aaron Caplan, Engineering, Building & Utilities Director

DATE: 30 Oct 2024

ITEM: Staff Report

☐ ORDINANCE
☐ MOTION / RESOLUTION
☒ INFORMATION

Vasquez Court Fire Hydrant Flows—This topic will need to be discussed in more detail at an upcoming meeting. The hydrants at the top of Vasquez Ct. do not meet the desired 1,000 gallons per minute of flow at 20 psi of pressure. We did have a contracted engineering firm look into options, and the cheapest one is over \$500,000. This would be to install a small facility near Steamboat Valley Rd and 5th Ave to house a pump that could boost the pressure on the system.

The Pressure-Reducing Valve at 2nd and Railroad has been replaced. We will begin planning for the next valve replacement, which we hope will occur early next year.

Demonstration of Fan Press at WWTF – We were advised of a company that was in Colorado demonstrating Fan Presses for Wastewater Treatment Facilities. Since this is one of the options listed in the recent Wastewater Facilities Master Plan, we did request a demonstration. They were on-site for two days. We are waiting for the test results of how well it removed water from the sewage. The observations showed this might be retrofitted into the existing location of our centrifuge relatively easily. The energy savings are expected to be significant but need to be calculated.

Lead Service Line Inventory – We have completed and submitted an inventory of all the water service lines in town. Of the 962 service lines, 717 are known to be NON-lead. Two are known to be galvanized steel, which is a lead concern and will need to be replaced, and 243 are unknown materials. Information is going out to the 243 unknowns as required by the EPA and CDPHE. There is another update regarding the Lead and Copper Rule, which was just announced earlier this year, and staff will continue to review and monitor the changes. The goal is to continue to verify what material the unknown service lines are and work with the property owners to replace any lines that are lead or have galvanized pipe that could be a lead concern.

Larger Repairs for Water & Wastewater System- In July, we replaced one of the three pump motor controllers at our pump station at a cost of \$15,000. This fall at the WWTF, we replaced Influent Screen Auger Brushes that cost \$3,000, and purchased Centrifuge Hydraulic Oil for \$2,000.