

TO: Mayor Angelo and Members of the Board of Trustees
FROM: Aaron Caplan, Director of Utilities & Engineering
DATE: 17 Jan 2022
ITEM: Utility Update

ORDINANCE
 MOTION / RESOLUTION
 INFORMATION

Action Item Follow-Ups

McConnell Lift Station Alarms – The parts are currently still on schedule to ship in mid-January. As soon as Ramey gets the shipping confirmation, they will schedule the install.

WWTF Influent vs Effluent – I did compare the month-to-month breakdown of influent vs effluent for 2021 and 2020. There are a handful of months in 2021 where there is some increase in effluent compared to the same month in 2020, while the influent for these same months does not appear to have gone up. One of the UEB members is going to put together a spreadsheet to better compare the numbers.

We are averaging about 1 million gallons a month at the WWTF this past year. I am also reviewing if this is a substantial increase in water usage compared to the volume of wastewater processed. There are a number of processes that require water usage.

Utility Shutdown - The entire Town electric grid can be shut down with the push of a button at a location not to be publicly announced. A phone call to N-Line should allow for it to shut down in less than 30 minutes. I have asked to review this in case N-Line is not able to make it and there is an emergency need for Town staff to shut down power.

We do not have anything in place to isolate different parts of town, but in an emergency, N-Line can come in and cut into lines in areas to do have that type of isolation if needed and then repair.

It would seem rare to want to turn off the entire water system. We do have valves at two locations (not to be disclosed for security reasons) where this could be done if that need developed. It would be much more likely to need to isolate certain parts of the system. We do have the ability to close valves at the six pressure reducing vaults isolating sections of town and then we can isolate individual blocks in some instances. The lack of valves having been installed in the past means we cannot isolate every individual block. When we do projects such as the ones at First Ave and Longs Peak we are adding valves to make us capable of shutting down each individual block. We can now turn off just 1st Ave, or Mountain View, Longs Peak, or 3rd Ave between the Cemetery and Longs Peak with the recent valves installed.

Undergrounding Electric – Staff have advised N-Line that the town would like to work with them to develop a capital improvements plan to underground the town's electric system. We have identified initial priorities; lines that go over grasslands, lines that do not have service lines, working from the end of lines backward, working with other projects to add undergrounding, and working with redevelopment projects. We also have Longmont and Poudre Valley REA electric lines that are active throughout town; these would need to be considered as well.

For 2022 we already have plans for undergrounding a portion of the line going up to Longs Peak Drive and have added the lines along Railroad Avenue between 2nd and the fire station with the Longmont Pump Station Project. I am also looking into costs to underground the lines along Broadway from 5th to 3rd since there will be some work with the Broadway project. We would need to find funding for this and there are a number of

service lines to businesses that would need to remain unless those businesses are interested in undergrounding their service lines or they could find a source of funding.

Riverbend Development PUD – Riverbend has submitted a new drainage report and stormwater design plan. The final step to closing the PUD process was the construction of their stormwater plan. Riverbend was advised any request to make changes to their development would require a new stormwater report. However, the Town required the original PUD to be finalized before they could make changes.

The Town engineer and I are reviewing the new drainage report to verify it meets all of the requirements and commitments found in the original drainage report. The Town engineer is also verifying it meets all required code and legal requirements. If the report meets these two conditions staff will request Riverbend apply for a flood plain permit and begin construction of the stormwater improvements. Once that has been completed and approved the PUD can be finalized.

Capital Improvements Projects

Longs Peak Drive – Water, Sewer, and Electric work is complete. Concrete work is in process on areas that are damaged and would not allow paving and areas that needed to be removed for pipe installation. This is estimated to be finished next week. We are waiting on the delivery of material to complete the stormwater portion of the project. After that will be prepared for paving, which may take a couple of weeks, cleanup and restoration another couple of weeks, and then we estimate to be ready for paving around March 1st. The actual paving will depend on the weather.

1st Ave Fire Hydrants did pass fire flows after the completion of the 1st Ave waterline project.

Welch Ct. sewer repair is finished.

Lyons Valley Townhomes, the development that has been referred to as Summit Housing, has begun getting their staging area setup, preparations for excavation and dynamite work are in place. Their contractor had begun clearing and preparation of the area prior to receiving their Right of Way permit. All parties involved were clearly notified on Friday that no additional work can be done until the Town receives the required Public Improvements Security and their Right of Way permit is issued.