

September 26, 2017 – Superintendent’s Report

ADMIN UPDATE:

Performance Data for August 2017

Auth Non-Metered Uses	Year	August
WIMS unbilled-unmetered	3,207,000	436,000
CAR unbilled-metered water	10,285,687	441,819
Total Authorized Non-Metered Uses	13,492,687	877,819
Total Plant Production	921,836,000	133,541,000
Total Adjusted Production	908,343,313	132,663,181
Metered & Sold - Water Gallons	809,220,717	107,498,168
Cycle 1 Gallons	278,468,128	42,156,365
Cycle 2 Gallons	530,752,589	65,341,803
Cycle 1 volume charges	\$1,669,658.10	\$310,863.93
Cycle 2 volume charges	\$2,744,403.41	\$452,815.04
LU Monthly Water Revenue	\$4,414,061.51	\$763,678.97
Real & Apparent Losses	99,122,596	25,165,013
Avg Day Water Prod- MG	3.79	4.31
% accounted for based on sold to adjusted	89.09	99.34
% accounted for based on sold to total production	87.78	80.50
Sewer Flow to Treatment - ADS	1,616,340,000	134,111,000
Total Flow To Treatment	1,622,269,550	134,427,843
LU Billed Sewer Gallons	810,513,273	107,619,366
Cycle 1 Gallons	278,468,128	42,156,365
Cycle 2 Gallons	532,045,145	65,463,001
Cycle 1 volume charges	\$1,858,545.60	\$238,837.32
Cycle 2 volume charges	\$3,420,593.45	\$401,667.36
79th & Fall Creek Kroger Complex Flows	2,964,775	316,843
Monthly Treatment Charges	\$1,168,963.43	\$96,718.03
Share O&M Cost(LS 402/313)	\$0.00	
Fixed Costs	\$110,200.00	
Annual Payment to IDPW (Carryover)	\$0.00	
TOTAL ANNUAL PAYMENTS TO CEG	\$1,279,163.43	
LU Monthly Sewer Rev	\$5,279,139.05	\$640,504.68

The accounted for water numbers are looking pretty good so far this year. I would like to point out that we presently do not estimate main break and service line losses, although we are looking into doing so once a method of determining those losses with a higher degree of accuracy can be decided upon. In addition, there is an impact on these numbers due to the plant production numbers being calculated on a monthly basis (from the 1st day of the month to the last) while we bill usages in arrears. For example, if you receive your bill on the 10th of August (Cycle 1), your meter was read starting on the 22nd of July (the reading period is usually 3-4 days). This means the gallons you are billed for were actually used between, roughly, the 22nd of June through the 22nd of July. Our meter reading goals are to have all the meters read in a cycle within 3-4 days so that customers are being consistently billed right round 30 days of usage. Estimated billings are rare and only

used when needed for operational reasons. These and other things combine to account for the wide range of numbers seen in the monthly real and apparent losses numbers. For instance, it is hard to determine the impacts of water theft, which we know happens. There was also recent vandalism at a city maintenance compound that resulted in damage to a hydrant meter used to account for water used at that facility for filling the street sweeper, Vector trucks and other authorized un-billed usages. This resulted in our being unable to account for the water used through that meter since the last reading, although we can reasonably estimate that missing volume. The point I am trying to make is that accounting for every drop of water produced is impossible in a public water system. While we make every effort to control water losses by addressing leaks rapidly, meter testing and account monitoring, we will not ever know exactly how well we are performing in this area. But the more we enhance our operations with regard to finding and preventing real and apparent losses, the better our situation will be and this is what we are doing. Right now we are roughly at about 89% accounted for water, which is not bad at all.

The Lawrence Park Ditch project is moving along nicely and is at the point where the contractor can now begin performing the plantings and establishing of vegetative growth required under the IDEM order.

Graves Plumbing continues to work on the Richardt Project and there are no problems or issues to resolve with that project at this time.

The contractor has still not been able to commence the Sumac Water Main project due to the pipe's not being delivered to the job site. Per communication with the contractor's Project Manager on September 20, 2017, they are planning to have the pipe here by September 29th one way or another.

Progress continues on the Fort Harrison Well Field Improvements project design. A progress meeting was held on September 20, 2017. Final plans should be completed in October so that we can move to bid phase for this part of our SRF/PER projects.

With regard to the SRF Loan fund balance, we are presently at \$613,803.96 in expenses leaving a balance of \$7,891,196.04 in available funds.

Operational Data:

SANITARY SEWER SYSTEM

- Routine maintenance on lift stations and grinder pumps.
- Maintaining grounds around Lift Stations.

LOCATES/LEAK LOCATING/VALVE TURNING/HYDRANT MAINTENANCE/INSPECTIONS

- Routine line locates and inspections as needed.
- Routine valve exercising & fire hydrant inspections/repairs.

WATER DISTRIBUTION

- Routine water main/service line repairs.
- Maintaining street cuts until final restoration can be made.
- Performing yard restorations and concrete repairs from Utility work.
- Maintaining grounds at Richardt Maintenance Shop.

WATER PLANT/WELL ACTIVITY

- Routine daily activities and maintenance on Water Treatment Plants.

BILLING ADJUSTMENTS: NONE