



February 23, 2021 – Superintendent’s Report

ADMIN UPDATE:

There are no new major developments to report on with respect to our various capital improvement projects.

I have attached some performance data and graphs at the end of this report that will show you how our numbers were for 2020. As you can see, we are still struggling with rain-induced Inflow & Infiltration issues. This continues to be one of our worst problems with respect to the sanitary sewer system. Old leaky sewer mains, manholes and customer service laterals continue to be a large source of this I&I along with illegal connections such as sump pumps, gutter downspouts and basement perimeter drains that are connected directly to the sanitary sewer. While we have continued to communicate these issues in the Lawrence Lift newsletter, we continue to pay a significant amount of money to treat clear water sources. In addition, we are still experiencing chronic rain-induced Sanitary Sewer Overflows, which will be a topic of discussion with the EPA in an upcoming meeting with them to review performance/compliance issues with respect to the Agreed Order adopted in 2010.

As I have been communicating in the Lawrence Lift recently, we are in the midst of putting together a sanitary sewer rate increase proposal designed to generate the level of funding we need in order to address these issues by way of increased capital improvement projects to fix our mains, manholes and laterals. The rate increase will also correct deficiencies in daily operating funding levels too. The financial problem in the sewer utility is attributable to our not taking the approach of regular but smaller increases designed to keep up with increasing operating costs and an adequate level of funding for system improvements. We will be coming to the Board in the near future with a final proposal for your consideration.

Paul Wanner will be presenting information with regard to our 2019 Water Audit, which you should have received in your meeting packets.

I am also happy to share that we will soon be communicating some changes we are preparing to roll out to address issues our customers have been communicating concerning our E-Suite on-line bill pay platform. This new program is more user-friendly, has a mobile app feature, and an improved password reset feature. We will be sharing more information in upcoming Lawrence Lift issues, social media and direct mailings. We believe that this new platform will better serve our customers and address many, if not all, the on-line bill pay issues we have been hearing about from our customers.

OPERATIONAL DATA:

Sanitary Sewer System

- Performing routine maintenance and upkeep on lift stations and grinder pump stations.

Water Distribution Underground Operations

- Performing routine inspections, emergency shut outs for repairs, valve exercising, valve box repairs, and fire hydrant testing/inspections.
- Performing routine water line repairs, service line repairs, fire hydrant replacements, vehicle repairs, and maintaining street and sidewalk cuts until final restorations can be made.

WATER PLANT/WELL ACTIVITY

- Performing routine maintenance and daily routines to make sure water treatment plants are operating properly.

BUSINESS OFFICE/SERVICE DEPARTMENT**January Totals**

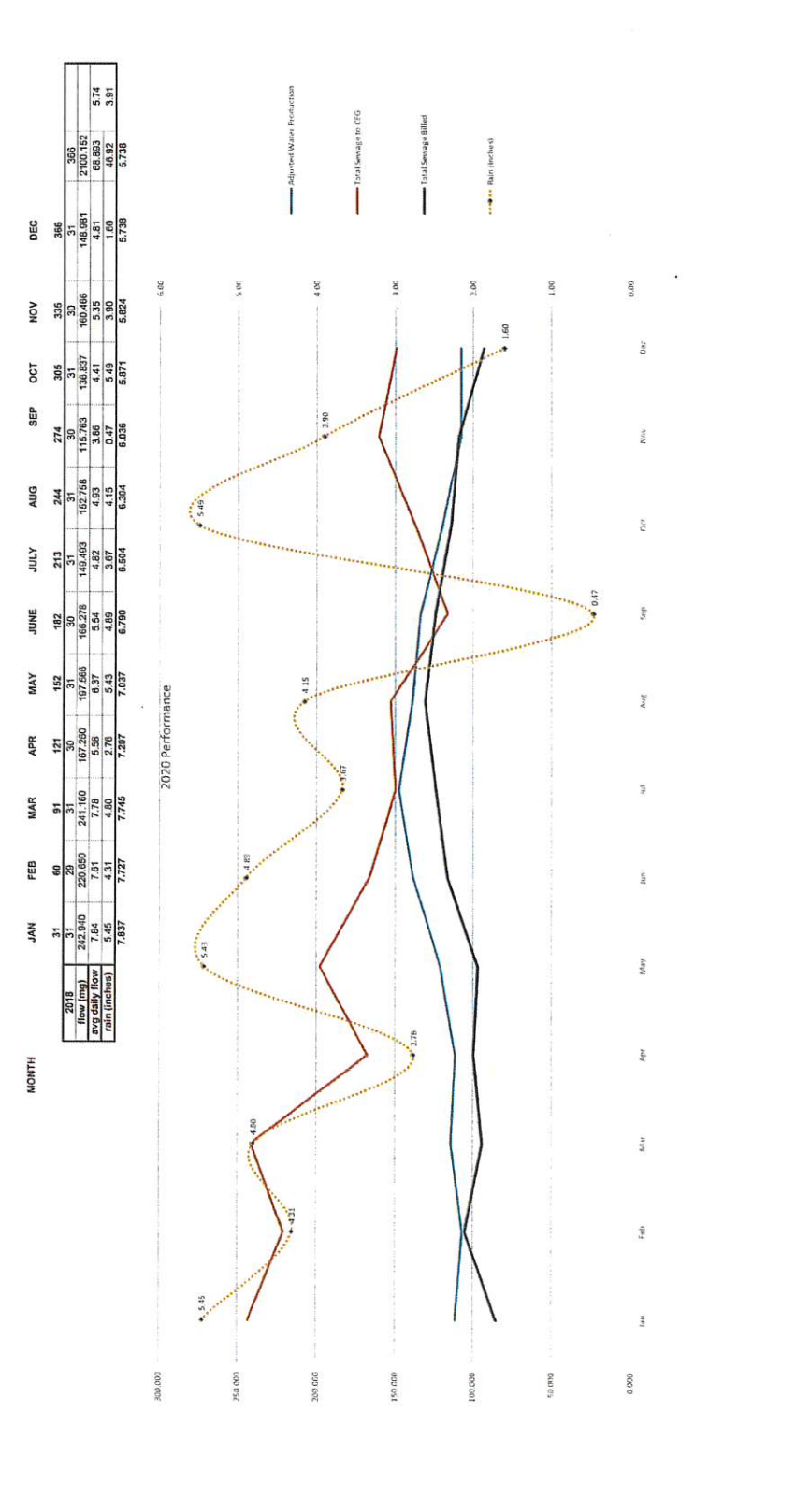
- 15,098 Active accounts.
- 1115 Work orders completed.

BILLING ADJUSTMENTS:

- 8010 Lawrence Woods Blvd – Customer is requesting an adjustment in the sewer portion of the bill for \$270.63 due to a slab leak. We recommend approval.

2020 Water Production/Sales and Sanitary Sewer Flows

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Auth Non-Metered Uses												
Estimated main break-service line leak losses (MG)	22,096	0,449	1,806	0,141	0,134	1,751	4,006	0,117	8,128	2,700	0,812	1,877
Backwash Water	13,763	1,219	1,105	1,177	1,055	1,015	1,165	1,173	1,125	1,131	1,203	1,233
CAR unbillable metered water (MG)	6,547	0,191	0,135	0,512	2,100	0,529	0,094	0,130	0,688	0,688	1,819	0,121
Total Authorized Non-Metered Uses	20,330	1,410	1,282	1,587	3,115	1,894	1,262	1,267	1,819	3,043	1,354	1,354
Total Plant Production (MG)	1476,902	112,591	107,594	115,153	123,524	139,539	148,721	140,072	135,044	121,274	110,588	109,007
Total Adjusted Production (MG)	1456,572	111,191	105,654	113,671	120,609	138,245	147,436	138,805	133,789	119,455	107,556	107,653
Average Daily Production (MG)	4,035	3,63	3,85	3,17	4,00	4,66	4,60	4,52	4,50	3,91	3,69	3,52
Meters & S&I Water Gallons (MG)	1289,034	85,11	104,238	94,068	99,320	96,815	115,735	123,548	123,566	113,738	108,874	93,052
Cycle 1 Gallons	46,966	24,39	39,159	30,046	30,283	34,363	35,764	43,310	46,387	45,876	40,742	34,019
Cycle 2 Gallons	83,006	42,72	59,658	47,022	60,946	62,452	79,951	84,236	80,378	83,162	68,133	59,033
LU Billed Sewer Gallons (MG)	1291,226	85,24	102,159	91,090	99,465	99,523	115,032	123,670	123,590	113,628	108,969	93,162
Cycle 1 Gallons	46,966	24,39	39,159	30,046	30,283	34,363	43,310	46,387	45,876	40,742	34,019	29,747
Cycle 2 Gallons	83,006	42,72	59,658	47,022	60,946	62,452	79,951	84,236	80,378	83,162	68,133	59,033
Sewer Flow to Treatment - ADS (MG)	632,618	61,85	65,600	61,169	60,181	60,144	60,310	62,307	63,978	65,378	60,742	54,019
79th & Fall Creek Kroger Complex Flows (MG)	2096,286	242,639	242,639	240,961	107,330	166,027	149,087	152,307	115,112	136,677	169,180	146,165
Total Flow To Treatment (MG)	3,855	0,268	0,331	0,298	0,237	0,261	0,406	0,451	0,361	0,310	0,268	0,400
Monthly Treatment Charges	2100,141	242,037	220,846	241,169	167,257	166,278	149,463	152,758	115,763	136,837	160,466	148,981
Diff between LU billed swr and CEG flow	\$2,461,575.12	\$294,746.35	\$256,616.16	\$262,662.52	\$196,041.67	\$221,566.81	\$184,894.39	\$175,220.34	\$175,047.91	\$160,386.40	\$186,092.60	\$174,620.76
l&l Cost (estimated/theoretical)	\$683,372.56	\$18,483.82	\$13,560.70	\$17,234.40	\$7,646.06	\$11,796.29	\$5,901.03	\$3,026.71	\$2,567.70	\$2,656.90	\$6,033.68	\$6,540.20



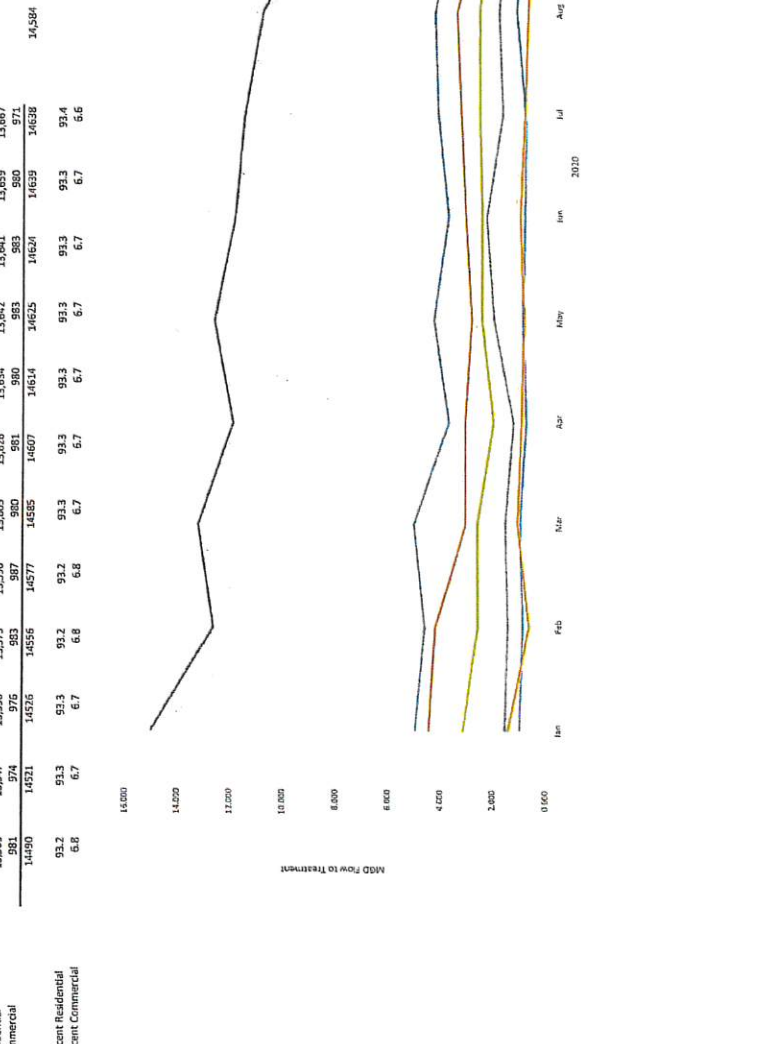
AMGS

2020 - Flow in MG

Meter #	January	February	March	April	May	June	July	August	Sept	Oct	Nov	Dec
UJ_26082006	4,935	4,583	5,012	3,659	4,259	3,716	4,099	4,215	3,511	4,224	4,000	4,179
UJ_20311015	81,653	74,706	84,061	62,806	70,072	66,693	53,498	53,530	45,108	50,394	56,717	58,295
UJ_31364013	10,092	8,991	8,606	6,077	8,844	6,400	5,864	5,928	4,424	6,094	6,460	6,888
UJ_34011007	5,632	5,338	5,908	3,763	4,585	4,255	4,584	4,084	3,468	3,565	3,211	2,713
UJ_35084003	3,099	2,516	2,655	1,964	2,414	2,407	2,467	2,494	2,141	2,407	2,878	2,718
UJ_35084004	1,515	1,415	1,532	1,236	1,964	2,243	1,648	1,774	1,515	1,566	1,588	1,605
UJ_35084012A	0,967	0,849	0,864	0,743	0,873	0,798	0,776	0,891	0,891	1,157	1,116	0,947
UJ_35094009	14,981	12,622	13,218	11,885	12,602	11,824	11,462	10,768	8,940	9,582	11,044	11,439
UJ_35171011	1,372	0,602	1,042	0,805	0,812	0,956	0,790	0,653	0,536	0,664	0,969	0,968
UJ_35171011	1,645	1,560	1,138	1,144	1,046	1,139	1,208	1,272	0,890	1,014	1,441	1,052
UJ_36062011	6,401	5,452	5,678	3,116	4,122	3,471	3,954	4,068	3,221	2,915	4,122	3,389
UJ_L51	5,464	4,635	5,123	2,912	3,773	2,436	2,253	2,294	1,460	2,112	2,342	2,734
UJ_L52	67,107	60,609	67,607	39,961	51,981	34,324	33,749	33,731	20,361	27,227	37,423	33,034
UJ_L53	2,430	2,185	3,295	1,650	2,021	1,896	2,028	1,916	1,676	1,640	1,734	1,798
UJ_L53B	35,346	34,261	36,010	25,157	28,012	23,449	21,722	24,464	17,280	21,984	25,125	22,444
TOTAL METERS	242,838	220,315	241,739	167,028	197,530	166,627	149,087	152,307	115,412	138,527	160,159	174,765
Kroger Complex w/ r	297,905	330,952	298,560	236,779	235,749	250,945	405,658	451,218	351,341	365,751	286,344	400,144
Kroger Complex in MG	0.297905	0.330952	0.298560	0.236779	0.235749	0.250945	0.405658	0.451218	0.351341	0.365751	0.286344	0.400144
Grand Total for Billing	242,837	220,646	242,057	167,257	197,566	166,278	149,493	152,758	115,763	136,837	160,466	148,981
Rainfall	5.45	4.31	4.8	2.76	5.43	4.89	3.67	4.15	0.47	5.49	3.9	1.60

2020 - Flow in MG

AMGS



Customer Count Data

Customer Count Data	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Residential	13,509	13,547	13,520	13,773	13,590	13,605	13,676	13,634	13,642	13,641	13,659	13,667
Commercial	981	974	976	983	987	980	981	980	983	983	980	971
Grand Total for Billing	14,490	14,521	14,526	14,556	14,577	14,585	14,607	14,614	14,625	14,624	14,639	14,638

Percent Residential

Percent Commercial

Percent Residential	93.2	93.3	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.4
Percent Commercial	6.8	6.7	6.7	6.8	6.8	6.7	6.7	6.7	6.7	6.7	6.7	6.6

Legend

- UJ_26082006
- UJ_20311015
- UJ_31364013
- UJ_34011007
- UJ_35084003
- UJ_35084004
- UJ_35084012A
- UJ_35094009
- UJ_35171011
- UJ_35171011
- UJ_36062011
- UJ_L51
- UJ_L52
- UJ_L53
- UJ_L53B
- TOTAL METERS
- Kroger Complex w/ r
- Kroger Complex in MG
- Rainfall

