

**LEHIGH COUNTY AUTHORITY
FINANCIAL STATEMENTS
OCTOBER 2019**

LEHIGH COUNTY AUTHORITY
FINANCIAL STATEMENTS - SUMMARY
OCTOBER 2019

MONTH					YEAR-TO-DATE					FULL YEAR					
Actual	Forecast	Prior Year	FC Var	PY Var	OCTOBER 2019	Actual	Forecast	Prior Year	FC Var	PY Var	Forecast	Budget	Prior Year	Bud Var	PY Var
Income Statement															
281,041	269,401	103,050	11,640	177,991	Suburban Water	997,717	986,077	451,747	11,640	545,970	304,701	236,452	1,813,064	68,249	(1,508,363)
(1,857,876)	(1,888,758)	(284,771)	30,882	(1,573,105)	Suburban Wastewater	(1,344,840)	(1,375,722)	(254,478)	30,882	(1,090,362)	(2,235,288)	(3,181,241)	(743,133)	945,953	(1,492,155)
401,148	488,953	(1,103,195)	(87,805)	1,504,343	City Division	(187,701)	(99,896)	(4,498,862)	(87,805)	4,311,161	(3,101,201)	(4,035,177)	(6,134,152)	933,976	3,032,951
(1,175,687)	(1,130,404)	(1,284,916)	(45,283)	109,229	Total LCA	(534,824)	(489,541)	(4,301,593)	(45,283)	3,766,769	(5,031,788)	(6,979,966)	(5,064,221)	1,948,178	32,433
Cash Flow Statement															
(1,152,492)	(1,948,692)	499,952	796,200	(1,652,444)	Suburban Water	5,325,663	4,529,463	4,633,644	796,200	692,019	3,508,465	(2,378,358)	(287,896)	5,886,823	3,796,361
(1,765,133)	(1,735,075)	(295,292)	(30,058)	(1,469,841)	Suburban Wastewater	(1,753,362)	(1,723,304)	2,610,865	(30,058)	(4,364,227)	121,863	(5,238,106)	2,533,964	5,359,969	(2,412,101)
1,754,573	1,798,953	22,872,455	(44,380)	(21,117,882)	City Division	7,366,493	7,410,873	26,549,292	(44,380)	(19,182,799)	2,607,833	1,603,738	8,179,138	1,004,095	(5,571,305)
(1,163,052)	(1,884,814)	23,077,115	721,762	(24,240,167)	Total LCA	10,938,794	10,217,032	33,793,802	721,762	(22,855,008)	6,238,161	(6,012,726)	10,425,206	12,250,887	(4,187,045)
Debt Service Coverage Ratio															
2.47	2.31	1.77	0.15	0.70	Suburban Water	1.73	1.72	1.51	0.02	0.22	1.44	1.40	1.39	0.04	0.05
6.73	4.07	2.52	2.66	4.21	Suburban Wastewater	8.02	7.58	7.17	0.44	0.86	6.47	5.52	5.75	0.95	0.73
2.01	1.95	1.85	0.06	0.16	City Division	1.56	1.55	1.49	0.01	0.06	1.44	1.37	1.65	0.08	(0.21)

LEHIGH COUNTY AUTHORITY
MONTHLY FINANCIAL STATEMENTS - CONSOLIDATED
OCTOBER 2019

MONTH				YEAR-TO-DATE				FULL YEAR FORECAST				
Suburban Water	Suburban Wastewater	City Division	LCA TOTAL	OCTOBER 2019 INCOME STATEMENT	Suburban Water	Suburban Wastewater	City Division	LCA TOTAL	Suburban Water	Suburban Wastewater	City Division	LCA TOTAL
1,013,589	1,208,274	3,293,396	5,515,259	Operating Revenues	8,200,622	11,988,098	31,607,209	51,795,929	9,739,835	14,258,857	37,216,481	61,215,173
10,054	-	-	10,054	Charges For Services	103,703	-	-	103,703	124,085	-	-	124,085
(1,067)	-	51,275	50,208	Rent	66,033	-	424,825	490,858	101,579	-	458,841	560,420
<u>1,022,576</u>	<u>1,208,274</u>	<u>3,344,671</u>	<u>5,575,521</u>	Other Income	<u>8,370,358</u>	<u>11,988,098</u>	<u>32,032,034</u>	<u>52,390,490</u>	<u>9,965,499</u>	<u>14,258,857</u>	<u>37,675,322</u>	<u>61,899,678</u>
				Total Operating Revenues								
				Operating Expenses								
73,436	39,044	421,199	533,679	Salaries and Wages	878,619	460,616	4,675,998	6,015,233	1,060,183	562,572	5,519,799	7,142,554
69,748	33,232	351,888	454,868	General and Administrative	1,063,515	499,681	5,380,116	6,943,312	1,504,767	637,449	6,593,228	8,735,444
31,998	27,480	145,050	204,528	Utilities	368,653	348,769	1,791,044	2,508,466	536,655	429,289	2,140,994	3,106,938
33,257	33,807	133,811	200,875	Materials and Supplies	300,017	273,275	1,018,627	1,591,919	487,760	343,468	1,560,816	2,392,044
222,430	472,071	195,802	890,303	Miscellaneous Services	2,061,352	5,172,310	1,317,209	8,550,871	2,742,472	6,485,239	1,931,407	11,159,118
-	304,680	-	304,680	Treatment & Transportation	-	2,923,477	4,628	2,928,105	-	3,518,797	4,628	3,523,425
229,166	383,527	490,000	1,102,693	Depreciation and Amortization	2,291,660	3,835,270	4,900,000	11,026,930	2,749,991	4,602,324	5,880,000	13,232,315
<u>660,035</u>	<u>1,293,841</u>	<u>1,737,750</u>	<u>3,691,626</u>	Total Operating Expenses	<u>6,963,816</u>	<u>13,513,398</u>	<u>19,087,622</u>	<u>39,564,836</u>	<u>9,081,828</u>	<u>16,579,138</u>	<u>23,630,872</u>	<u>49,291,838</u>
<u>362,541</u>	<u>(85,567)</u>	<u>1,606,921</u>	<u>1,883,895</u>	Operating Income	<u>1,406,542</u>	<u>(1,525,300)</u>	<u>12,944,412</u>	<u>12,825,654</u>	<u>883,671</u>	<u>(2,320,281)</u>	<u>14,044,450</u>	<u>12,607,840</u>
				Non-Operating Revenues (Expenses)								
12,190	52,276	-	64,466	Tapping and Capital Recovery fees	387,050	1,852,784	569,060	2,808,894	404,860	1,853,508	572,060	2,830,428
5,840	-	-	5,840	Meter Sales	78,478	-	19,856	98,334	87,638	-	22,856	110,494
8,531	-	346,773	355,304	Inspection and Plan Reviews	292,804	13,727	376,397	682,928	314,273	16,727	384,624	715,624
-	-	7,109	7,109	Project Reimbursements	-	25,437	26,340	51,777	-	25,437	225,920	251,357
38,200	25,597	78,367	142,164	Interest Income	140,978	243,504	917,261	1,301,743	138,778	277,907	1,048,894	1,465,579
5,873	1,863	5,075	12,811	Other Income	48,153	59,006	42,150	149,309	45,280	57,143	40,075	142,498
(142,151)	(44,050)	(1,439,984)	(1,626,185)	Interest Expense	(1,297,707)	(178,039)	(14,511,344)	(15,987,090)	(1,521,201)	(208,913)	(18,921,360)	(20,651,474)
(9,983)	(1,807,995)	(203,113)	(2,021,091)	Other Expense	(58,581)	(1,835,959)	(571,833)	(2,466,373)	(48,598)	(1,936,816)	(518,720)	(2,504,134)
<u>(81,500)</u>	<u>(1,772,309)</u>	<u>(1,205,773)</u>	<u>(3,059,582)</u>	Total Non-Operating Revenues (Expenses)	<u>(408,825)</u>	<u>180,460</u>	<u>(13,132,113)</u>	<u>(13,360,478)</u>	<u>(578,970)</u>	<u>84,993</u>	<u>(17,145,651)</u>	<u>(17,639,628)</u>
281,041	(1,857,876)	401,148	(1,175,687)	Net Income Before Capital Contributions	997,717	(1,344,840)	(187,701)	(534,824)	304,701	(2,235,288)	(3,101,201)	(5,031,788)
-	-	-	-	Capital Contributions	-	-	-	-	-	-	-	-
<u>281,041</u>	<u>(1,857,876)</u>	<u>401,148</u>	<u>(1,175,687)</u>	NET INCOME	<u>997,717</u>	<u>(1,344,840)</u>	<u>(187,701)</u>	<u>(534,824)</u>	<u>304,701</u>	<u>(2,235,288)</u>	<u>(3,101,201)</u>	<u>(5,031,788)</u>

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OCTOBER 2019

MONTH				YEAR-TO-DATE				FULL YEAR FORECAST				
Suburban Water	Suburban Wastewater	City Division	LCA TOTAL	OCTOBER 2019 CASH FLOW STATEMENT	Suburban Water	Suburban Wastewater	City Division	LCA TOTAL	Suburban Water	Suburban Wastewater	City Division	LCA TOTAL
1,022,576	1,208,274	3,344,671	5,575,521	Cash Flows From Operating Activities	8,370,358	11,988,098	32,032,034	52,390,490	9,965,499	14,258,857	37,675,322	61,899,678
(430,869)	(910,314)	(1,247,750)	(2,588,933)	Operating Revenues	(4,672,156)	(9,678,128)	(14,187,622)	(28,537,906)	(6,331,837)	(11,976,814)	(17,750,872)	(36,059,523)
113,314	(419,533)	(408,930)	(715,149)	Operating Expenses (ex D&A)	4,859,168	2,992,546	(1,358,122)	6,493,592	7,560,813	2,412,079	808	9,973,700
705,021	(121,573)	1,687,991	2,271,439	Non-Cash Working Capital Changes	8,557,370	5,302,516	16,486,290	30,346,176	11,194,475	4,694,122	19,925,258	35,813,855
				Net Cash Provided by (Used in) Operating Activ								
				Cash Flows From Financing Activities								
-	-	-	-	Lease Payments to City	-	-	-	-	-	-	-	-
-	-	-	-	Capital Contributions	-	-	-	-	-	-	-	-
-	-	-	-	Proceeds New Borrowing	-	-	-	-	-	-	-	-
(29,529)	(15,025)	(336)	(44,890)	Interest Payments	(786,376)	(149,014)	(6,779,014)	(7,714,404)	(1,521,201)	(208,913)	(14,964,966)	(16,695,080)
(1,081,583)	(41,108)	-	(1,122,691)	Principal Payments	(1,352,766)	(409,395)	-	(1,762,161)	(1,722,145)	(484,500)	-	(2,206,645)
(1,111,112)	(56,133)	(336)	(1,167,581)	Net Cash Provided by (Used in) Financing Activ	(2,139,142)	(558,409)	(6,779,014)	(9,476,565)	(3,243,346)	(693,413)	(14,964,966)	(18,901,725)
				Cash Flows from Capital and Related Activities								
32,434	54,139	351,848	438,421	Non-Operating Revenues	806,485	1,925,517	1,007,463	3,739,465	852,051	1,927,378	1,019,615	3,799,044
-	-	7,109	7,109	Project Reimbursement	-	25,437	26,340	51,777	-	25,437	225,920	251,357
(9,160)	-	-	(9,160)	Non-Operating Expenses	(54,260)	(5,281)	(521,361)	(580,902)	(45,100)	(5,281)	(521,361)	(571,742)
(1,263,708)	(1,910,301)	(370,406)	(3,544,415)	Capital Expenditures	(5,801,538)	(6,890,469)	(3,770,486)	(16,462,493)	(8,748,330)	(9,553,168)	(4,125,527)	(22,427,025)
(1,240,434)	(1,856,162)	(11,449)	(3,108,045)	Net Cash Provided By (Used In) Capital and Re	(5,049,313)	(4,944,796)	(3,258,044)	(13,252,153)	(7,941,379)	(7,605,634)	(3,401,353)	(18,948,366)
				Cash Flows From Investing Activities								
745,000	494,000	-	1,239,000	Investments Converting To Cash	5,709,224	4,739,907	-	10,449,131	4,964,224	9,734,103	-	14,698,327
(289,167)	(250,862)	-	(540,029)	Purchased Investments	(1,893,454)	(6,536,084)	-	(8,429,538)	(1,604,287)	(6,285,222)	-	(7,889,509)
38,200	25,597	78,367	142,164	Interest Income	140,978	243,504	917,261	1,301,743	138,778	277,907	1,048,894	1,465,579
494,033	268,735	78,367	841,135	Net Cash Provided By (Used In) Investing Activ	3,956,748	(1,552,673)	917,261	3,321,336	3,498,715	3,726,788	1,048,894	8,274,397
(1,152,492)	(1,765,133)	1,754,573	(1,163,052)	FUND NET CASH FLOWS	5,325,663	(1,753,362)	7,366,493	10,938,794	3,508,465	121,863	2,607,833	6,238,161
				DEBT SERVICE RATIO								
662,341	377,696	2,504,072	3,544,109	Total Cash Available For Debt Service	4,645,665	4,478,991	19,398,435	28,523,091	4,624,491	4,487,328	21,579,111	30,690,930
268,385	56,133	1,246,381	1,570,899	Debt Service	2,683,850	558,409	12,463,810	15,706,069	3,220,620	693,413	14,956,576	18,870,609
2.47	6.73	2.01	2.26	DSCR	1.73	8.02	1.56	1.82	1.44	6.47	1.44	1.63

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MONTH					YEAR-TO-DATE					FULL YEAR FORECAST					
Actual	Forecast	Prior Yr	FC Var	PY Var	OCTOBER 2019 INCOME STATEMENT					Forecast	Budget	Prior Yr	FC Var	PY Var	
5,515,259	5,459,950	5,369,717	55,309	145,542	Operating Revenues					61,215,173	60,471,236	59,614,467	743,937	1,600,706	
10,054	10,188	7,556	(134)	2,498	Charges For Services	51,795,929	51,740,620	47,893,570	55,309	3,902,359	124,085	87,860	98,405	36,225	25,680
50,208	56,596	52,032	(6,388)	(1,824)	Rent	103,703	103,837	75,857	(134)	27,846	560,420	696,864	466,744	(136,444)	93,676
5,575,521	5,526,734	5,429,305	48,787	146,216	Other Income	490,858	497,246	569,740	(6,388)	(78,882)	61,899,678	61,255,960	60,179,616	643,718	1,720,062
					Total Operating Revenues	52,390,490	52,341,703	48,539,167	48,787	3,851,323					
					Operating Expenses										
533,679	532,000	510,952	(1,679)	(22,727)	Salaries and Wages	6,015,233	6,013,554	5,861,478	(1,679)	(153,755)	7,142,554	7,094,831	6,917,656	(47,723)	(224,898)
454,868	509,000	700,268	54,132	245,400	General and Administrative	6,943,312	6,997,444	6,782,542	54,132	(160,770)	8,735,444	8,281,923	8,565,904	(453,521)	(169,540)
204,528	241,000	176,577	36,472	(27,951)	Utilities	2,508,466	2,544,938	2,264,408	36,472	(244,058)	3,106,938	3,026,040	2,697,837	(80,898)	(409,101)
200,875	157,000	150,367	(43,875)	(50,508)	Materials and Supplies	1,591,919	1,548,044	1,347,283	(43,875)	(244,636)	2,392,044	2,561,120	1,787,455	169,076	(604,589)
890,303	913,033	1,342,148	22,730	451,845	Miscellaneous Services	8,550,871	8,573,601	8,463,752	22,730	(87,119)	11,159,118	11,352,878	10,680,843	193,760	(478,275)
304,680	300,000	269,696	(4,680)	(34,984)	Treatment & Transportation	2,928,105	2,923,425	2,119,098	(4,680)	(809,007)	3,523,425	2,661,555	3,553,830	(861,870)	30,405
1,102,693	1,102,694	1,110,364	1	7,671	Depreciation and Amortization	11,026,930	11,026,931	11,103,640	1	76,710	13,232,315	13,170,765	13,122,963	(61,550)	(109,352)
3,691,626	3,754,727	4,260,372	63,101	568,746	Total Operating Expenses	39,564,836	39,627,937	37,942,200	63,101	(1,622,636)	49,291,838	48,149,112	47,326,489	(1,142,726)	(1,965,349)
1,883,895	1,772,007	1,168,933	111,888	714,962	Operating Income	12,825,654	12,713,766	10,596,968	111,888	2,228,686	12,607,840	13,106,848	12,853,128	(499,008)	(245,288)
					Non-Operating Revenues (Expenses)										
64,466	62,000	228,991	2,466	(164,525)	Tapping and Capital Recovery fees	2,808,894	2,806,428	1,564,620	2,466	1,244,274	2,830,428	1,592,200	1,308,953	1,238,228	1,521,475
5,840	6,000	8,660	(160)	(2,820)	Meter Sales	98,334	98,494	75,785	(160)	22,549	110,494	120,000	93,656	(9,506)	16,838
355,304	360,000	7,658	(4,696)	347,646	Inspection and Plan Reviews	682,928	687,624	191,477	(4,696)	491,451	715,624	376,000	761,209	339,624	(45,585)
7,109	-	-	7,109	7,109	Project Reimbursements	51,777	44,668	(0)	7,109	51,777	251,357	1,645,000	372,527	(1,393,643)	(121,170)
142,164	126,000	158,939	16,164	(16,775)	Interest Income	1,301,743	1,285,579	1,054,252	16,164	247,491	1,465,579	619,000	1,520,789	846,579	(55,210)
12,811	2,000	8,785	10,811	4,026	Other Income	149,309	138,498	66,732	10,811	82,577	142,498	47,000	682,374	95,498	(539,876)
(1,626,185)	(1,605,411)	(1,856,586)	(20,774)	230,401	Interest Expense	(15,987,090)	(15,966,316)	(15,694,782)	(20,774)	(292,308)	(20,651,474)	(20,629,504)	(20,584,072)	(21,970)	(67,402)
(2,021,091)	(1,853,000)	(1,010,296)	(168,091)	(1,010,795)	Other Expense	(2,466,373)	(2,298,282)	(2,156,645)	(168,091)	(309,728)	(2,504,134)	(3,856,510)	(3,901,477)	1,352,376	1,397,343
(3,059,582)	(2,902,411)	(2,453,849)	(157,171)	(605,733)	Total Non-Operating Revenues (Expenses)	(13,360,478)	(13,203,307)	(14,898,561)	(157,171)	1,538,083	(17,639,628)	(20,086,814)	(19,746,041)	2,447,186	2,106,413
(1,175,687)	(1,130,404)	(1,284,916)	(45,283)	109,229	Net Income Before Capital Contributions	(534,824)	(489,541)	(4,301,593)	(45,283)	3,766,769	(5,031,788)	(6,979,966)	(6,892,913)	1,948,178	1,861,125
-	-	-	-	-	Capital Contributions	-	-	-	-	-	-	-	1,828,692	-	(1,828,692)
(1,175,687)	(1,130,404)	(1,284,916)	(45,283)	109,229	NET INCOME	(534,824)	(489,541)	(4,301,593)	(45,283)	3,766,769	(5,031,788)	(6,979,966)	(5,064,221)	1,948,178	32,433

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Actual	Forecast	Prior Yr	FC Var	PY Var	CASH FLOW STATEMENT					Actual	Forecast	Prior Yr	FC Var	PY Var	Forecast	Budget	Prior Yr	FC Var	PY Var
Cash Flows From Operating Activities																			
5,575,521	5,526,734	5,429,305	48,787	146,216	Operating Revenues	52,390,490	52,341,703	48,539,167	48,787	3,851,323	61,899,678	61,255,960	60,179,616	643,718	1,720,062				
(2,588,933)	(2,652,033)	(3,150,008)	63,100	561,075	Operating Expenses (ex D&A)	(28,537,906)	(28,601,006)	(26,838,560)	63,100	(1,699,346)	(36,059,523)	(34,978,347)	(34,203,526)	(1,081,176)	(1,855,997)				
(715,149)	(729,000)	(1,789,535)	13,851	1,074,386	Non-Cash Working Capital Changes	6,493,592	6,479,741	(4,898,346)	13,851	11,391,938	9,973,700	-	520,935	9,973,700	9,452,765				
2,271,439	2,145,701	489,762	125,738	1,781,677	Net Cash Provided by (Used in) Operating Activities	30,346,176	30,220,438	16,802,262	125,738	13,543,914	35,813,855	26,277,613	26,497,026	9,536,242	9,316,829				
Cash Flows From Financing Activities																			
-	-	-	-	-	Capital Contributions	-	-	-	-	-	-	-	-	-	-				
-	-	18,735,000	-	(18,735,000)	Proceeds New Borrowing	-	-	18,735,000	-	(18,735,000)	-	-	18,735,000	-	(18,735,000)				
(44,890)	(76,411)	(326,902)	31,521	282,012	Interest Payments	(7,714,404)	(7,745,925)	(7,750,860)	31,521	36,456	(16,695,080)	(16,629,504)	(15,026,432)	(65,576)	(1,668,648)				
(1,122,691)	(1,121,604)	(70,411)	(1,087)	(1,052,280)	Principal Payments	(1,762,161)	(1,761,074)	(698,495)	(1,087)	(1,063,666)	(2,206,645)	(2,203,250)	(20,913,047)	(3,395)	18,706,402				
(1,167,581)	(1,198,015)	18,337,687	30,434	(19,505,268)	Net Cash Provided by (Used in) Financing Activities	(9,476,565)	(9,506,999)	10,285,645	30,434	(19,762,210)	(18,901,725)	(18,832,754)	(17,204,479)	(68,971)	(1,697,246)				
Cash Flows from Capital and Related Activities																			
438,421	430,000	254,095	8,421	184,326	Non-Operating Revenues	3,739,465	3,731,044	1,898,614	8,421	1,840,851	3,799,044	2,135,200	2,846,192	1,663,844	952,852				
7,109	-	-	7,109	7,109	Project Reimbursement	51,777	44,668	(0)	7,109	51,777	251,357	1,645,000	372,527	(1,393,643)	(121,170)				
(9,160)	-	(598)	(9,160)	(8,562)	Non-Operating Expenses	(580,902)	(571,742)	(510,579)	(9,160)	(70,323)	(571,742)	(516,200)	(883,046)	(55,542)	311,304				
(3,544,415)	(4,087,500)	(2,156,515)	543,085	(1,387,900)	Capital Expenditures	(16,462,493)	(17,005,578)	(9,347,184)	543,085	(7,115,309)	(22,427,025)	(27,411,435)	(15,890,144)	4,984,410	(6,536,881)				
(3,108,045)	(3,657,500)	(1,903,018)	549,455	(1,205,027)	Net Cash Provided By (Used In) Capital and Related Activities	(13,252,153)	(13,801,608)	(7,959,149)	549,455	(5,293,004)	(18,948,366)	(24,147,435)	(13,554,471)	5,199,069	(5,393,895)				
Cash Flows From Investing Activities																			
1,239,000	1,239,000	7,100,218	-	(5,861,218)	Investments Converting To Cash	10,449,131	10,449,131	21,641,211	-	(11,192,080)	14,698,327	10,070,850	20,946,833	4,627,477	(6,248,506)				
(540,029)	(540,000)	(1,106,473)	(29)	566,444	Purchased Investments	(8,429,538)	(8,429,509)	(8,030,419)	(29)	(399,119)	(7,889,509)	-	(7,780,492)	(7,889,509)	(109,017)				
142,164	126,000	158,939	16,164	(16,775)	Interest Income	1,301,743	1,285,579	1,054,252	16,164	247,491	1,465,579	619,000	1,520,789	846,579	(55,210)				
841,135	825,000	6,152,684	16,135	(5,311,549)	Net Cash Provided By (Used In) Investing Activities	3,321,336	3,305,201	14,665,044	16,135	(11,343,708)	8,274,397	10,689,850	14,687,130	(2,415,453)	(6,412,733)				
(1,163,052)	(1,884,814)	23,077,115	721,762	(24,240,167)	FUND NET CASH FLOWS	10,938,794	10,217,032	33,793,802	721,762	(22,855,008)	6,238,161	(6,012,726)	10,425,206	12,250,887	(4,187,045)				
DEBT SERVICE RATIO																			
3,544,109	3,391,962	2,619,470	152,147	924,639	Total Cash Available For Debt Service	28,523,091	28,370,944	23,766,393	152,147	4,756,698	30,690,930	28,652,899	29,885,633	2,038,031	805,297				
1,570,899	1,598,806	1,408,811	(27,907)	162,088	Debt Service	15,706,069	15,733,976	13,820,424	(27,907)	1,885,645	18,870,609	18,832,754	16,930,918	37,855	1,939,691				
2.26	2.12	1.86	0.13	0.40	DSCR	1.82	1.80	1.72	0.01	0.10	1.63	1.52	1.77	0.10	(0.14)				

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MONTH					OCTOBER 2019					YEAR-TO-DATE					FULL YEAR				
Actual	Forecast	Prior Yr	FC Var	PY Var	INCOME STATEMENT					Actual	Forecast	Prior Yr	FC Var	PY Var	Forecast	Budget	Prior Yr	Bud Var	PY Var
1,013,589	985,607	877,184	27,982	136,405	Operating Revenues														
					Charges For Services	8,200,622	8,172,640	7,728,710	27,982	471,912	9,739,835	9,772,570	9,140,848	(32,735)	598,987				
					Rent	103,703	103,837	75,857	(134)	27,846	124,085	87,860	98,405	36,225	25,680				
					Other Income	66,033	87,121	104,131	(21,088)	(38,098)	101,579	129,158	109,632	(27,579)	(8,053)				
1,022,576	1,015,816	887,031	6,760	135,545	Total Operating Revenues	8,370,358	8,363,598	7,908,697	6,760	461,661	9,965,499	9,989,588	9,348,885	(24,089)	616,614				
					Operating Expenses														
					Salaries and Wages	878,619	885,183	894,355	6,564	15,736	1,060,183	1,020,940	1,037,882	(39,243)	(22,301)				
					General and Administrative	1,063,515	1,075,767	1,008,611	12,252	(54,904)	1,504,767	1,399,959	1,261,241	(104,808)	(243,526)				
					Utilities	368,653	376,655	408,818	8,002	40,165	536,655	592,750	437,253	56,095	(99,402)				
					Materials and Supplies	300,017	298,760	206,941	(1,257)	(93,076)	487,760	504,580	294,937	16,820	(192,823)				
					Miscellaneous Services	2,061,352	2,061,955	1,859,716	603	(201,636)	2,742,472	2,905,325	2,703,594	162,853	(38,878)				
					Treatment & Transportation	-	-	-	-	-	-	-	-	-	-				
					Depreciation and Amortization	2,291,660	2,291,661	2,458,320	1	166,660	2,749,991	2,750,000	2,768,133	9	18,142				
660,035	686,200	684,481	26,165	24,446	Total Operating Expenses	6,963,816	6,989,981	6,836,762	26,165	(127,054)	9,081,828	9,173,554	8,503,041	91,726	(578,787)				
362,541	329,616	202,549	32,925	159,992	Operating Income	1,406,542	1,373,617	1,071,935	32,925	334,607	883,671	816,034	845,845	67,637	37,826				
					Non-Operating Revenues (Expenses)														
					Tapping and Capital Recovery fees	387,050	384,860	187,025	2,190	200,025	404,860	467,000	221,405	(62,140)	183,455				
					Meter Sales	78,478	77,638	68,626	840	9,852	87,638	108,000	85,259	(20,362)	2,379				
					Inspection and Plan Reviews	292,804	294,273	135,684	(1,469)	157,120	314,273	144,000	183,148	170,273	131,125				
					Project Reimbursements	-	-	(0)	-	0	-	-	(0)	-	0				
					Interest Income	140,978	138,778	189,105	2,200	(48,127)	138,778	144,000	255,438	(5,222)	(116,660)				
					Other Income	48,153	43,280	25,560	4,873	22,593	45,280	24,000	86,971	21,280	(41,691)				
					Interest Expense	(1,297,707)	(1,277,771)	(1,225,374)	(19,936)	(72,333)	(1,521,201)	(1,466,582)	(1,576,659)	(54,619)	55,458				
					Other Expense	(58,581)	(48,598)	(814)	(9,983)	(57,767)	(48,598)	-	(82,141)	(48,598)	33,543				
(81,500)	(60,215)	(99,499)	(21,285)	17,999	Total Non-Operating Revenues (Expenses)	(408,825)	(387,540)	(620,189)	(21,285)	211,364	(578,970)	(579,582)	(826,579)	612	247,609				
281,041	269,401	103,050	11,640	177,991	Net Income Before Capital Contributions	997,717	986,077	451,747	11,640	545,970	304,701	236,452	19,266	68,249	285,435				
-	-	-	-	-	Capital Contributions	-	-	-	-	-	-	-	1,793,798	-	(1,793,798)				
281,041	269,401	103,050	11,640	177,991	NET INCOME	997,717	986,077	451,747	11,640	545,970	304,701	236,452	1,813,064	68,249	(1,508,363)				

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MONTH					OCTOBER 2019					YEAR-TO-DATE					FULL YEAR					
Actual	Forecast	Prior Yr	FC Var	PY Var	CASH FLOW STATEMENT					Actual	Forecast	Prior Yr	FC Var	PY Var	Forecast	Budget	Prior Yr	Bud Var	PY Var	
1,022,576	1,015,816	887,031	6,760	135,545	Cash Flows From Operating Activities					8,370,358	8,363,598	7,908,697	6,760	461,661	9,965,499	9,989,588	9,348,885	(24,089)	616,614	
(430,869)	(457,033)	(438,649)	26,164	7,780	Operating Revenues					4,672,156	(4,698,320)	(4,378,442)	26,164	(293,714)	(6,331,837)	(6,423,554)	(5,734,908)	91,717	(596,929)	
113,314	100,000	(1,135,152)	13,314	1,248,466	Operating Expenses (ex D&A)					4,859,168	4,845,854	(2,621,481)	13,314	7,480,649	7,560,813	-	(5,441,123)	7,560,813	13,001,936	
705,021	658,783	(686,771)	46,238	1,391,792	Non-Cash Working Capital Changes					8,557,370	8,511,132	908,774	46,238	7,648,596	11,194,475	3,566,034	(1,827,145)	7,628,441	13,021,620	
					Net Cash Provided by (Used in) Operating Activities															
					Cash Flows From Financing Activities															
					Capital Contributions															
					Proceeds New Borrowing															
(29,529)	(32,215)	(39,274)	2,686	9,745	Interest Payments					(786,376)	(789,062)	(810,448)	2,686	24,072	(1,521,201)	(1,466,582)	(1,508,149)	(54,619)	(13,052)	
(1,081,583)	(1,081,760)	(29,757)	177	(1,051,826)	Principal Payments					(1,352,766)	(1,352,943)	(295,180)	177	(1,057,586)	(1,722,145)	(1,725,120)	(1,693,208)	2,975	(28,937)	
(1,111,112)	(1,113,975)	(69,031)	2,863	(1,042,081)	Net Cash Provided by (Used in) Financing Activities					(2,139,142)	(2,142,005)	(1,105,629)	2,863	(1,033,513)	(3,243,346)	(3,191,702)	(3,201,357)	(51,644)	(41,989)	
					Cash Flows from Capital and Related Activities															
32,434	26,000	35,536	6,434	(3,102)	Non-Operating Revenues					806,485	800,051	416,895	6,434	389,590	852,051	743,000	576,783	109,051	275,268	
					Project Reimbursement							(0)		0			(0)			0
(9,160)	-	1,427	(9,160)	(10,587)	Non-Operating Expenses					(54,260)	(45,100)	2,298	(9,160)	(56,558)	(45,100)	-	(82,142)	(45,100)	37,042	
(1,263,708)	(2,010,500)	(702,804)	746,792	(560,904)	Capital Expenditures					(5,801,538)	(6,548,330)	(3,579,515)	746,792	(2,222,023)	(8,748,330)	(10,210,540)	(5,348,970)	1,462,210	(3,399,360)	
(1,240,434)	(1,984,500)	(665,841)	744,066	(574,593)	Net Cash Provided By (Used In) Capital and Related Activities					(5,049,313)	(5,793,379)	(3,160,322)	744,066	(1,888,991)	(7,941,379)	(9,467,540)	(4,854,329)	1,526,161	(3,087,050)	
					Cash Flows From Investing Activities															
745,000	745,000	2,987,262	-	(2,242,262)	Investments Converting To Cash					5,709,224	5,709,224	14,793,510	-	(9,084,286)	4,964,224	6,570,850	11,501,487	(1,606,626)	(6,537,263)	
(289,167)	(290,000)	(1,088,301)	833	799,134	Purchased Investments					(1,893,454)	(1,894,287)	(6,991,794)	833	5,098,340	(1,604,287)	-	(2,161,990)	(1,604,287)	557,703	
38,200	36,000	22,634	2,200	15,566	Interest Income					140,978	138,778	189,105	2,200	(48,127)	138,778	144,000	255,438	(5,222)	(116,660)	
494,033	491,000	1,921,595	3,033	(1,427,562)	Net Cash Provided By (Used In) Investing Activities					3,956,748	3,953,715	7,990,821	3,033	(4,034,073)	3,498,715	6,714,850	9,594,935	(3,216,135)	(6,096,220)	
(1,152,492)	(1,948,692)	499,952	796,200	(1,652,444)	FUND NET CASH FLOWS					5,325,663	4,529,463	4,633,644	796,200	692,019	3,508,465	(2,378,358)	(287,896)	5,886,823	3,796,361	
					DEBT SERVICE RATIO															
662,341	620,783	471,084	41,558	191,257	Total Cash Available For Debt Service					4,645,665	4,604,107	3,629,704	41,558	1,015,961	4,624,491	4,453,034	4,446,199	171,457	178,292	
268,385	268,385	266,780	-	1,605	Debt Service					2,683,850	2,683,850	2,401,020	-	282,830	3,220,620	3,191,702	3,201,357	28,918	19,263	
2.47	2.31	1.77	0.15	0.70	DSCR					1.73	1.72	1.51	0.02	0.22	1.44	1.40	1.39	0.04	0.05	

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FORECAST VARIANCES - MONTH

INCOME STATEMENT	Actual	Forecast	Variance	Comments
Operating Revenues				
Charges For Services	1,013,589	985,607	27,982	Higher industrial/commercial/residential revenues
Rent	10,054	10,188	(134)	
Other Income	(1,067)	20,021	(21,088)	
Total Operating Revenues	1,022,576	1,015,816	6,760	Slightly higher than forecast on higher user charges with some offset by lower other income
Operating Expenses				
Salaries and Wages	73,436	80,000	6,564	
General and Administrative	69,748	82,000	12,252	Lower charges from internal services
Utilities	31,998	40,000	8,002	
Materials and Supplies	33,257	32,000	(1,257)	
Miscellaneous Services	222,430	223,033	603	
Treatment & Transportation	-	-	-	
Depreciation and Amortization	229,166	229,167	1	
Total Operating Expenses	660,035	686,200	26,165	Lower due to lower spending across the board except for slightly higher spending for materials and supplies
Total Operating Income	362,541	329,616	32,925	Better than forecast on higher operating revenues and lower operating expenses
Non-Operating Revenues (Expenses)				
Tapping and Capital Recovery fees	12,190	10,000	2,190	
Meter Sales	5,840	5,000	840	
Inspection and Plan Reviews	8,531	10,000	(1,469)	
Project Reimbursements	-	-	-	
Interest Income	38,200	36,000	2,200	
Other Income	5,873	1,000	4,873	
Interest Expense	(142,151)	(122,215)	(19,936)	
Other Expense	(9,983)	-	(9,983)	
Total Non-Operating Revenues (Expenses)	(81,500)	(60,215)	(21,285)	Unfavorable due to higher interest expense
Net Income Before Capital Contributions	281,041	269,401	11,640	Higher operating income partially offset by higher non-operating expenses
Capital Contributions	-	-	-	No contributions booked or forecasted
NET INCOME	281,041	269,401	11,640	4.3% better than forecast

FORECAST VARIANCES - MONTH

CASH FLOW STATEMENT	Actual	Forecast	Variance	Comments
Cash Flows From Operating Activities				
Operating Revenues	1,022,576	1,015,816	6,760	Slightly higher than forecast on higher user charges with some offset by lower other income
Operating Expenses (ex D&A)	(430,869)	(457,033)	26,164	Lower due to lower spending across the board except for slightly higher spending for materials and supplies
Non-Cash Working Capital Changes	113,314	100,000	13,314	
Net Cash Provided by (Used in) Operating Activities	705,021	658,783	46,238	Better than forecast on higher operating revenues, lower operating expenses, and more favorable working capital movements
Cash Flows From Financing Activities				
Capital Contributions	-	-	-	
Proceeds New Borrowing	-	-	-	
Interest Payments	(29,529)	(32,215)	2,686	
Principal Payments	(1,081,583)	(1,081,760)	177	
Net Cash Provided by (Used in) Financing Activities	(1,111,112)	(1,113,975)	2,863	Better than forecast on slightly lower interest payments
Cash Flows from Capital and Related Activities				
Non-Operating Revenues	32,434	26,000	6,434	
Project Reimbursement	-	-	-	
Non-Operating Expenses	(9,160)	-	(9,160)	
Capital Expenditures	(1,263,708)	(2,010,500)	746,792	Favorable capex timing
Net Cash Provided By (Used In) Capital and Related Activities	(1,240,434)	(1,984,500)	744,066	Better than forecast due to lower capex
Cash Flows From Investing Activities				
Investments Converting To Cash	745,000	745,000	-	
Purchased Investments	(289,167)	(290,000)	833	
Interest Income	38,200	36,000	2,200	
Net Cash Provided By (Used In) Investing Activities	494,033	491,000	3,033	Higher than forecast due to higher interest income
FUND NET CASH FLOWS	(1,152,492)	(1,948,692)	796,200	Higher cash from operations aided by higher cash from financing activities and investing activities with additional help from lower capex

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MONTH					OCTOBER 2019					YEAR-TO-DATE					FULL YEAR					
Actual	Forecast	Prior Yr	FC Var	PY Var	INCOME STATEMENT					Actual	Forecast	Prior Yr	FC Var	PY Var	Forecast	Budget	Prior Yr	Bud Var	PY Var	
1,208,274	1,202,965	1,413,748	5,309	(205,474)	Operating Revenues					11,988,098	11,982,789	11,480,636	5,309	507,462	14,258,857	13,676,460	14,023,121	582,397	235,736	
-	-	-	-	-	Charges For Services					-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	Rent					-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	Other Income					-	-	-	-	-	-	-	-	-	-	-
1,208,274	1,202,965	1,413,748	5,309	(205,474)	Total Operating Revenues					11,988,098	11,982,789	11,480,636	5,309	507,462	14,258,857	13,676,460	14,023,121	582,397	235,736	
39,044	47,000	35,342	7,956	(3,702)	Operating Expenses					460,616	468,572	385,036	7,956	(75,580)	562,572	420,095	462,145	(142,477)	(100,427)	
33,232	52,000	42,238	18,768	9,006	Salaries and Wages					499,681	518,449	381,946	18,768	(117,735)	637,449	474,363	511,800	(163,086)	(125,649)	
27,480	36,000	32,283	8,520	4,803	General and Administrative					348,769	357,289	230,951	8,520	(117,818)	429,289	338,035	290,201	(91,254)	(139,088)	
33,807	28,000	18,271	(5,807)	(15,536)	Utilities					273,275	267,468	176,301	(5,807)	(96,974)	343,468	459,324	295,370	115,856	(48,098)	
472,071	470,000	985,414	(2,071)	513,343	Materials and Supplies					5,172,310	5,170,239	5,328,691	(2,071)	156,381	6,485,239	6,458,708	6,175,835	(26,531)	(309,404)	
304,680	300,000	269,696	(4,680)	(34,984)	Miscellaneous Services					2,923,477	2,918,797	2,114,473	(4,680)	(809,004)	3,518,797	2,649,555	3,544,003	(869,242)	25,206	
383,527	383,527	397,865	-	14,338	Treatment & Transportation					3,835,270	3,835,270	3,978,650	-	143,380	4,602,324	4,540,765	4,490,397	(61,559)	(111,927)	
1,293,841	1,316,527	1,781,109	22,686	487,268	Depreciation and Amortization					13,513,398	13,536,084	12,596,048	22,686	(917,350)	16,579,138	15,340,845	15,769,751	(1,238,293)	(809,387)	
(85,567)	(113,562)	(367,361)	27,995	281,794	Total Operating Expenses					(1,525,300)	(1,553,295)	(1,115,412)	27,995	(409,888)	(2,320,281)	(1,664,385)	(1,746,630)	(655,896)	(573,651)	
					Operating Income															
52,276	51,000	85,116	1,276	(32,840)	Non-Operating Revenues (Expenses)					1,852,784	1,851,508	843,765	1,276	1,009,019	1,853,508	800,000	523,626	1,053,508	1,329,882	
-	-	-	-	-	Tapping and Capital Recovery fees					-	-	-	-	-	-	-	-	-	-	-
-	1,000	50	(1,000)	(50)	Meter Sales					13,727	14,727	27,967	(1,000)	(14,240)	16,727	25,000	38,363	(8,273)	(21,636)	
-	-	-	-	-	Inspection and Plan Reviews					25,437	25,437	-	-	25,437	25,437	-	-	25,437	25,437	
25,597	20,000	22,007	5,597	3,590	Project Reimbursements					243,504	237,907	178,101	5,597	65,403	277,907	75,000	217,721	202,907	60,186	
1,863	-	170	1,863	1,693	Interest Income					59,006	57,143	1,355	1,863	57,651	57,143	1,000	394,585	56,143	(337,442)	
(44,050)	(44,196)	(16,102)	146	(27,948)	Other Income					(178,039)	(178,185)	(163,128)	146	(14,911)	(208,913)	(206,346)	(197,000)	(2,567)	(11,913)	
(1,807,995)	(1,803,000)	(8,652)	(4,995)	(1,799,343)	Interest Expense					(1,835,959)	(1,830,964)	(27,126)	(4,995)	(1,808,833)	(1,936,816)	(2,211,510)	(8,692)	274,694	(1,928,124)	
(1,772,309)	(1,775,196)	82,590	2,887	(1,854,899)	Other Expense					180,460	177,573	860,934	2,887	(680,474)	84,993	(1,516,856)	968,603	1,601,849	(883,610)	
					Total Non-Operating Revenues (Expenses)															
(1,857,876)	(1,888,758)	(284,771)	30,882	(1,573,105)	Net Income Before Capital Contributions					(1,344,840)	(1,375,722)	(254,478)	30,882	(1,090,362)	(2,235,288)	(3,181,241)	(778,027)	945,953	(1,457,261)	
-	-	-	-	-	Capital Contributions					-	-	-	-	-	-	-	34,894	-	-	(34,894)
<u>(1,857,876)</u>	<u>(1,888,758)</u>	<u>(284,771)</u>	<u>30,882</u>	<u>(1,573,105)</u>	NET INCOME					<u>(1,344,840)</u>	<u>(1,375,722)</u>	<u>(254,478)</u>	<u>30,882</u>	<u>(1,090,362)</u>	<u>(2,235,288)</u>	<u>(3,181,241)</u>	<u>(743,133)</u>	<u>945,953</u>	<u>(1,492,155)</u>	

LEHIGH COUNTY AUTHORITY
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MONTH					OCTOBER 2019					YEAR-TO-DATE					FULL YEAR				
Actual	Forecast	Prior Yr	FC Var	PY Var	CASH FLOW STATEMENT					Actual	Forecast	Prior Yr	FC Var	PY Var	Forecast	Budget	Prior Yr	Bud Var	PY Var
Cash Flows From Operating Activities																			
1,208,274	1,202,965	1,413,748	5,309	(205,474)	Operating Revenues	11,988,098	11,982,789	11,480,636	5,309	507,462	14,258,857	13,676,460	14,023,121	582,397	235,736				
(910,314)	(933,000)	(1,383,244)	22,686	472,930	Operating Expenses (ex D&A)	(9,678,128)	(9,700,814)	(8,617,398)	22,686	(1,060,730)	(11,976,814)	(10,800,080)	(11,279,354)	(1,176,734)	(697,460)				
(419,533)	(420,000)	(246,386)	467	(173,147)	Non-Cash Working Capital Changes	2,992,546	2,992,079	(1,005,430)	467	3,997,976	2,412,079	-	2,166,774	2,412,079	245,305				
(121,573)	(150,035)	(215,882)	28,462	94,309	Net Cash Provided by (Used in) Operating Activities	5,302,516	5,274,054	1,857,808	28,462	3,444,708	4,694,122	2,876,380	4,910,541	1,817,742	(216,419)				
Cash Flows From Financing Activities																			
-	-	-	-	-	Capital Contributions	-	-	-	-	-	-	-	-	-	-				
-	-	-	-	-	Proceeds New Borrowing	-	-	-	-	-	-	-	-	-	-				
(15,025)	(44,196)	(14,067)	29,171	(958)	Interest Payments	(149,014)	(178,185)	(142,989)	29,171	(6,025)	(208,913)	(206,346)	(197,000)	(2,567)	(11,913)				
(41,108)	(39,844)	(40,654)	(1,264)	(454)	Principal Payments	(409,395)	(408,131)	(403,315)	(1,264)	(6,081)	(484,500)	(478,130)	(484,839)	(6,370)	339				
(56,133)	(84,040)	(54,721)	27,907	(1,412)	Net Cash Provided by (Used in) Financing Activities	(558,409)	(586,316)	(546,304)	27,907	(12,105)	(693,413)	(684,476)	(681,839)	(8,937)	(11,574)				
Cash Flows from Capital and Related Activities																			
54,139	52,000	85,336	2,139	(31,197)	Non-Operating Revenues	1,925,517	1,923,378	873,087	2,139	1,052,430	1,927,378	826,000	956,574	1,101,378	970,804				
-	-	-	-	-	Project Reimbursement	25,437	25,437	-	-	25,437	25,437	-	-	25,437	25,437				
-	-	216	-	(216)	Non-Operating Expenses	(5,281)	(5,281)	923	-	(6,204)	(5,281)	-	(8,692)	(5,281)	3,411				
(1,910,301)	(1,817,000)	(227,032)	(93,301)	(1,683,269)	Capital Expenditures	(6,890,469)	(6,797,168)	(1,561,826)	(93,301)	(5,328,643)	(9,553,168)	(11,831,010)	(2,687,185)	2,277,842	(6,865,983)				
(1,856,162)	(1,765,000)	(141,480)	(91,162)	(1,714,682)	Net Cash Provided By (Used In) Capital and Related Activities	(4,944,796)	(4,853,634)	(687,815)	(91,162)	(4,256,981)	(7,605,634)	(11,005,010)	(1,739,303)	3,399,376	(5,866,331)				
Cash Flows From Investing Activities																			
494,000	494,000	112,956	-	381,044	Investments Converting To Cash	4,739,907	4,739,907	2,847,701	-	1,892,206	9,734,103	3,500,000	5,445,346	6,234,103	4,288,757				
(250,862)	(250,000)	(18,172)	(862)	(232,690)	Purchased Investments	(6,536,084)	(6,535,222)	(1,038,625)	(862)	(5,497,459)	(6,285,222)	-	(5,618,502)	(6,285,222)	(666,720)				
25,597	20,000	22,007	5,597	3,590	Interest Income	243,504	237,907	178,101	5,597	65,403	277,907	75,000	217,721	202,907	60,186				
268,735	264,000	116,791	4,735	151,944	Net Cash Provided By (Used In) Investing Activities	(1,552,673)	(1,557,408)	1,987,177	4,735	(3,539,850)	3,726,788	3,575,000	44,565	151,788	3,682,223				
(1,765,133)	(1,735,075)	(295,292)	(30,058)	(1,469,841)	FUND NET CASH FLOWS	(1,753,362)	(1,723,304)	2,610,865	(30,058)	(4,364,227)	121,863	(5,238,106)	2,533,964	5,359,969	(2,412,101)				
DEBT SERVICE RATIO																			
377,696	341,965	137,847	35,731	239,849	Total Cash Available For Debt Service	4,478,991	4,443,260	3,914,426	35,731	564,565	4,487,328	3,777,380	3,918,062	709,948	569,266				
56,133	84,040	54,721	(27,907)	1,412	Debt Service	558,409	586,316	546,304	(27,907)	12,105	693,413	684,476	681,839	8,937	11,574				
6.73	4.07	2.52	2.66	4.21	DSCR	8.02	7.58	7.17	0.44	0.86	6.47	5.52	5.75	0.95	0.73				

LEHIGH COUNTY AUTHORITY
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FORECAST VARIANCES - MONTH

INCOME STATEMENT	Actual	Forecast	Variance	Comments
Operating Revenues				
Charges For Services	1,208,274	1,202,965	5,309	
Rent	-	-	-	
Other Income	-	-	-	
Total Operating Revenues	1,208,274	1,202,965	5,309	Slightly favorable to forecast with higher signatory revenues partially offset by lower hauler revenues
Operating Expenses				
Salaries and Wages	39,044	47,000	7,956	
General and Administrative	33,232	52,000	18,768	Lower internal service charges in
Utilities	27,480	36,000	8,520	
Materials and Supplies	33,807	28,000	(5,807)	
Miscellaneous Services	472,071	470,000	(2,071)	
Treatment & Transportation	304,680	300,000	(4,680)	
Depreciation and Amortization	383,527	383,527	-	
Total Operating Expenses	1,293,841	1,316,527	22,686	Lower than forecast with favorable variances for salaries/wages, G&A, and utilities partially offset by other discretionary spending on materials & supplies and miscellaneous services along with higher T&T costs
Operating Income	(85,567)	(113,562)	27,995	Higher operating revenues along with lower operating expenses
Non-Operating Revenues (Expenses)				
Tapping and Capital Recovery fees	52,276	51,000	1,276	
Meter Sales	-	-	-	
Inspection and Plan Reviews	-	1,000	(1,000)	
Project Reimbursements	-	-	-	
Interest Income	25,597	20,000	5,597	
Other Income	1,863	-	1,863	
Interest Expense	(44,050)	(44,196)	146	
Other Expense	(1,807,995)	(1,803,000)	(4,995)	
Total Non-Operating Revenues (Expenses)	(1,772,309)	(1,775,196)	2,887	No major variances
Net Income Before Capital Contributions	(1,857,876)	(1,888,758)	30,882	Higher operating income aided by slightly higher non-operating items
Capital Contributions	-	-	-	No contributions booked or forecasted
NET INCOME	(1,857,876)	(1,888,758)	30,882	

FORECAST VARIANCES - MONTH

CASH FLOW STATEMENT	Actual	Forecast	Variance	Comments
Cash Flows From Operating Activities				
Operating Revenues	1,208,274	1,202,965	5,309	Slightly favorable to forecast with higher signatory revenues partially offset by lower hauler revenues
Operating Expenses (ex D&A)	(910,314)	(933,000)	22,686	Lower than forecast with favorable variances for salaries/wages, G&A, and utilities partially offset by other discretionary spending on materials & supplies and miscellaneous services along with higher T&T costs
Non-Cash Working Capital Changes	(419,533)	(420,000)	467	
Net Cash Provided by (Used in) Operating Activities	(121,573)	(150,035)	28,462	Higher operating revenues and lower operating expenses
Cash Flows From Financing Activities				
Capital Contributions	-	-	-	
Proceeds New Borrowing	-	-	-	
Interest Payments	(15,025)	(44,196)	29,171	
Principal Payments	(41,108)	(39,844)	(1,264)	
Net Cash Provided by (Used in) Financing Activities	(56,133)	(84,040)	27,907	
Cash Flows from Capital and Related Activities				
Non-Operating Revenues	54,139	52,000	2,139	
Project Reimbursement	-	-	-	
Non-Operating Expenses	-	-	-	
Capital Expenditures	(1,910,301)	(1,817,000)	(93,301)	Unfavorable timing of capex
Net Cash Provided By (Used In) Capital and Related Activities	(1,856,162)	(1,765,000)	(91,162)	Unfavorable to forecast on higher capex
Cash Flows From Investing Activities				
Investments Converting To Cash	494,000	494,000	-	
Purchased Investments	(250,862)	(250,000)	(862)	
Interest Income	25,597	20,000	5,597	
Net Cash Provided By (Used In) Investing Activities	268,735	264,000	4,735	Higher than forecast due to higher interest income
FUND NET CASH FLOWS	(1,765,133)	(1,735,075)	(30,058)	Higher cash from operations, higher cash from financing activities, and higher cash from investing activities partially offset by higher capex

LEHIGH COUNTY AUTHORITY
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MONTH					OCTOBER 2019					YEAR-TO-DATE					FULL YEAR					
Actual	Forecast	Prior Yr	FC Var	PY Var	INCOME STATEMENT					Actual	Forecast	Prior Yr	FC Var	PY Var	Forecast	Budget	Prior Yr	Bud Var	PY Var	
3,293,396	3,271,378	3,078,786	22,018	214,611	Operating Revenues						31,607,209	31,585,191	28,684,225	22,018	2,922,984	37,216,481	37,022,206	36,450,498	194,275	765,983
-	-	-	-	-	Charges For Services						-	-	-	-	-	-	-	-	-	-
51,275	36,575	49,741	14,700	1,534	Rent						-	-	-	-	-	-	-	-	-	-
3,344,671	3,307,953	3,128,527	36,718	216,144	Other Income						424,825	410,125	465,610	14,700	(40,785)	458,841	567,706	357,112	(108,865)	101,729
					Total Operating Revenues						32,032,034	31,995,316	29,149,834	36,718	2,882,200	37,675,322	37,589,912	36,807,610	85,410	867,712
					Operating Expenses															
421,199	405,000	403,178	(16,199)	(18,021)	Salaries and Wages						4,675,998	4,659,799	4,582,086	(16,199)	(93,912)	5,519,799	5,653,796	5,417,629	133,997	(102,170)
351,888	375,000	557,656	23,112	205,768	General and Administrative						5,380,116	5,403,228	5,391,986	23,112	11,870	6,593,228	6,407,601	6,792,863	(185,627)	199,635
145,050	165,000	107,523	19,950	(37,527)	Utilities						1,791,044	1,810,994	1,624,638	19,950	(166,406)	2,140,994	2,095,255	1,970,383	(45,739)	(170,611)
133,811	97,000	93,224	(36,811)	(40,587)	Materials and Supplies						1,018,627	981,816	964,040	(36,811)	(54,587)	1,560,816	1,597,216	1,197,148	36,400	(363,668)
195,802	220,000	166,535	24,198	(29,267)	Miscellaneous Services						1,317,209	1,341,407	1,275,345	24,198	(41,864)	1,931,407	1,988,845	1,801,414	57,438	(129,993)
-	-	-	-	-	Treatment & Transportation						4,628	4,628	4,624	-	(4)	4,628	12,000	9,827	7,372	5,199
490,000	490,000	466,667	-	(23,333)	Depreciation and Amortization						4,900,000	4,900,000	4,666,670	-	(233,330)	5,880,000	5,880,000	5,864,433	-	(15,567)
1,737,750	1,752,000	1,794,782	14,250	57,032	Total Operating Expenses						19,087,622	19,101,872	18,509,390	14,250	(578,232)	23,630,872	23,634,713	23,053,697	3,841	(577,175)
1,606,921	1,555,953	1,333,745	50,968	273,176	Operating Income						12,944,412	12,893,444	10,640,445	50,968	2,303,967	14,044,450	13,955,199	13,753,913	89,251	290,537
-	-	-	-	-	Non-Operating Revenues (Expenses)															
-	1,000	126,715	(1,000)	(126,715)	Tapping and Capital Recovery fees						569,060	570,060	533,830	(1,000)	35,230	572,060	325,200	563,922	246,860	8,138
-	1,000	272	(1,000)	(272)	Meter Sales						19,856	20,856	7,159	(1,000)	12,697	22,856	12,000	8,397	10,856	14,459
346,773	349,000	1,600	(2,227)	345,173	Inspection and Plan Reviews						376,397	378,624	27,825	(2,227)	348,572	384,624	207,000	539,698	177,624	(155,074)
7,109	-	-	7,109	7,109	Project Reimbursements						26,340	19,231	-	7,109	26,340	225,920	1,645,000	372,527	(1,419,080)	(146,607)
78,367	70,000	114,298	8,367	(35,931)	Interest Income						917,261	908,894	687,046	8,367	230,215	1,048,894	400,000	1,047,630	648,894	1,264
5,075	1,000	4,635	4,075	440	Other Income						42,150	38,075	39,817	4,075	2,333	40,075	22,000	200,818	18,075	(160,743)
(1,439,984)	(1,439,000)	(1,681,674)	(984)	241,690	Interest Expense						(14,511,344)	(14,510,360)	(14,306,280)	(984)	(205,064)	(18,921,360)	(18,956,576)	(18,810,413)	35,216	(110,947)
(203,113)	(50,000)	(1,002,786)	(153,113)	799,673	Other Expense						(571,833)	(418,720)	(2,128,705)	(153,113)	1,556,872	(518,720)	(1,645,000)	(3,810,644)	1,126,280	3,291,924
(1,205,773)	(1,067,000)	(2,436,939)	(138,773)	1,231,166	Total Non-Operating Revenues (Expenses)						(13,132,113)	(12,993,340)	(15,139,307)	(138,773)	2,007,194	(17,145,651)	(17,990,376)	(19,888,065)	844,725	2,742,414
401,148	488,953	(1,103,195)	(87,805)	1,504,343	Net Income Before Capital Contributions						(187,701)	(99,896)	(4,498,862)	(87,805)	4,311,161	(3,101,201)	(4,035,177)	(6,134,152)	933,976	3,032,951
-	-	-	-	-	Capital Contributions						-	-	-	-	-	-	-	-	-	-
401,148	488,953	(1,103,195)	(87,805)	1,504,343	NET INCOME						(187,701)	(99,896)	(4,498,862)	(87,805)	4,311,161	(3,101,201)	(4,035,177)	(6,134,152)	933,976	3,032,951

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MONTH					OCTOBER 2019					YEAR-TO-DATE					FULL YEAR				
Actual	Forecast	Prior Yr	FC Var	PY Var	CASH FLOW STATEMENT					Actual	Forecast	Prior Yr	FC Var	PY Var	Forecast	Budget	Prior Yr	Bud Var	PY Var
Cash Flows From Operating Activities																			
3,344,671	3,307,953	3,128,527	36,718	216,144	Operating Revenues	32,032,034	31,995,316	29,149,834	36,718	2,882,200	37,675,322	37,589,912	36,807,610	85,410	867,712				
(1,247,750)	(1,262,000)	(1,328,115)	14,250	80,365	Operating Expenses (ex D&A)	(14,187,622)	(14,201,872)	(13,842,720)	14,250	(344,902)	(17,750,872)	(17,754,713)	(17,189,264)	3,841	(561,608)				
(408,930)	(409,000)	(407,997)	70	(933)	Non-Cash Working Capital Changes	(1,358,122)	(1,358,192)	(1,271,435)	70	(86,687)	808	-	3,795,284	808	(3,794,476)				
1,687,991	1,636,953	1,392,415	51,038	295,576	Net Cash Provided by (Used in) Operating Activities	16,486,290	16,435,252	14,035,680	51,038	2,450,610	19,925,258	19,835,199	23,413,630	90,059	(3,488,372)				
Cash Flows From Financing Activities																			
-	-	-	-	-	Capital Contributions	-	-	-	-	-	-	-	-	-	-				
-	-	18,735,000	-	(18,735,000)	Proceeds New Borrowing	-	-	18,735,000	-	(18,735,000)	-	-	18,735,000	-	(18,735,000)				
(336)	-	(273,561)	(336)	273,225	Interest Payments	(6,779,014)	(6,778,678)	(6,797,422)	(336)	18,408	(14,964,966)	(14,956,576)	(13,321,283)	(8,390)	(1,643,683)				
-	-	-	-	-	Principal Payments	-	-	-	-	-	-	-	(18,735,000)	-	18,735,000				
(336)	-	18,461,439	(336)	(18,461,775)	Net Cash Provided by (Used in) Financing Activities	(6,779,014)	(6,778,678)	11,937,578	(336)	(18,716,592)	(14,964,966)	(14,956,576)	(13,321,283)	(8,390)	(1,643,683)				
Cash Flows from Capital and Related Activities																			
351,848	352,000	133,222	(152)	218,626	Non-Operating Revenues	1,007,463	1,007,615	608,631	(152)	398,832	1,019,615	566,200	1,312,835	453,415	(293,220)				
7,109	-	-	7,109	7,109	Project Reimbursement	26,340	19,231	-	7,109	26,340	225,920	1,645,000	372,527	(1,419,080)	(146,607)				
-	-	(2,240)	-	2,240	Non-Operating Expenses	(521,361)	(521,361)	(513,800)	-	(7,561)	(521,361)	(516,200)	(792,212)	(5,161)	270,851				
(370,406)	(260,000)	(1,226,679)	(110,406)	856,273	Capital Expenditures	(3,770,486)	(3,660,080)	(4,205,843)	(110,406)	435,357	(4,125,527)	(5,369,885)	(7,853,989)	1,244,358	3,728,462				
(11,449)	92,000	(1,095,697)	(103,449)	1,084,248	Net Cash Provided By (Used In) Capital and Related Activities	(3,258,044)	(3,154,595)	(4,111,012)	(103,449)	852,968	(3,401,353)	(3,674,885)	(6,960,839)	273,532	3,559,486				
Cash Flows From Investing Activities																			
-	-	4,000,000	-	(4,000,000)	Investments Converting To Cash	-	-	4,000,000	-	(4,000,000)	-	-	4,000,000	-	(4,000,000)				
-	-	-	-	-	Purchased Investments	-	-	-	-	-	-	-	-	-	-				
78,367	70,000	114,298	8,367	(35,931)	Interest Income	917,261	908,894	687,046	8,367	230,215	1,048,894	400,000	1,047,630	648,894	1,264				
78,367	70,000	4,114,298	8,367	(4,035,931)	Net Cash Provided By (Used In) Investing Activities	917,261	908,894	4,687,046	8,367	(3,769,785)	1,048,894	400,000	5,047,630	648,894	(3,998,736)				
1,754,573	1,798,953	22,872,455	(44,380)	(21,117,882)	FUND NET CASH FLOWS	7,366,493	7,410,873	26,549,292	(44,380)	(19,182,799)	2,607,833	1,603,738	8,179,138	1,004,095	(5,571,305)				
DEBT SERVICE RATIO																			
2,504,072	2,429,214	2,010,538	74,858	493,534	Total Cash Available For Debt Service	19,398,435	19,323,577	16,222,263	74,858	3,176,172	21,579,111	20,422,485	21,521,372	1,156,626	57,739				
1,246,381	1,246,381	1,087,310	-	159,071	Debt Service	12,463,810	12,463,810	10,873,100	-	1,590,710	14,956,576	14,956,576	13,047,722	-	1,908,854				
2.01	1.95	1.85	0.06	0.16	DSCR	1.56	1.55	1.49	0.01	0.06	1.44	1.37	1.65	0.08	(0.21)				

LEHIGH COUNTY AUTHORITY
FINANCIAL STATEMENTS - CITY DIVISION
OCTOBER 2019

FORECAST VARIANCES - MONTH

INCOME STATEMENT	Actual	Forecast	Variance	Comments
Operating Revenues				
Charges For Services	3,293,396	3,271,378	22,018	Higher water revenues from residential/industrial/commercial user segments along with higher wastewater revenues from higher leachate program sources
Rent	-	-	-	
Other Income	51,275	36,575	14,700	
Total Operating Revenues	3,344,671	3,307,953	36,718	Higher than forecast due to higher water revenues and higher wastewater revenues
Operating Expenses				
Salaries and Wages	421,199	405,000	(16,199)	Higher labor hours charged in
General and Administrative	351,888	375,000	23,112	Lower charges from internal services
Utilities	145,050	165,000	19,950	Lower utility usage
Materials and Supplies	133,811	97,000	(36,811)	Higher spending on purification and chemicals, higher distribution and transmission supplies, and higher equipment purchases
Miscellaneous Services	195,802	220,000	24,198	Lower contract operating services and lower maintenance spending
Treatment & Transportation	-	-	-	
Depreciation and Amortization	490,000	490,000	-	
Total Operating Expenses	1,737,750	1,752,000	14,250	Lower than forecast with favorable variances for G&A, utilities, and miscellaneous services partially offset by higher labor costs, and higher spending on materials & supplies
Operating Income	1,606,921	1,555,953	50,968	Higher operating revenues along with lower operating expenses
Non-Operating Revenues (Expenses)				
Tapping and Capital Recovery fees	-	1,000	(1,000)	
Meter Sales	-	1,000	(1,000)	
Inspection and Plan Reviews	346,773	349,000	(2,227)	
Project Reimbursements	7,109	-	7,109	
Interest Income	78,367	70,000	8,367	
Other Income	5,075	1,000	4,075	
Interest Expense	(1,439,984)	(1,439,000)	(984)	
Other Expense	(203,113)	(50,000)	(153,113)	
Total Non-Operating Revenues (Expenses)	(1,205,773)	(1,067,000)	(138,773)	Higher interest and other income more than offset by higher expensed project spending
Net Income Before Capital Contributions	401,148	488,953	(87,805)	Higher operating income more than offset by higher expensed project spending
Capital Contributions	-	-	-	No contributions booked or forecasted
NET INCOME	401,148	488,953	(87,805)	

FORECAST VARIANCES - MONTH

CASH FLOW STATEMENT	Actual	Forecast	Variance	Comments
Cash Flows From Operating Activities				
Operating Revenues	3,344,671	3,307,953	36,718	Higher than forecast due to higher water revenues and higher wastewater revenues
Operating Expenses (ex D&A)	(1,247,750)	(1,262,000)	14,250	Lower than forecast with favorable variances for G&A, utilities, and miscellaneous services partially offset by higher labor costs, and higher spending on materials & supplies
Non-Cash Working Capital Changes	(408,930)	(409,000)	70	
Net Cash Provided by (Used in) Operating Activities	1,687,991	1,636,953	51,038	Higher operating revenues, lower operating expenses, and a favorable variance on working capital movements
Cash Flows From Financing Activities				
Capital Contributions	-	-	-	
Proceeds New Borrowing	-	-	-	
Interest Payments	(336)	-	(336)	
Principal Payments	-	-	-	
Net Cash Provided by (Used in) Financing Activities	(336)	-	(336)	
Cash Flows from Capital and Related Activities				
Non-Operating Revenues	351,848	352,000	(152)	
Project Reimbursement	7,109	-	7,109	
Non-Operating Expenses	-	-	-	
Capital Expenditures	(370,406)	(260,000)	(110,406)	Unfavorable capex timing
Net Cash Provided By (Used In) Capital and Related Activities	(11,449)	92,000	(103,449)	Higher capex
Cash Flows From Investing Activities				
Investments Converting To Cash	-	-	-	
Purchased Investments	-	-	-	
Interest Income	78,367	70,000	8,367	Higher interest income
Net Cash Provided By (Used In) Investing Activities	78,367	70,000	8,367	
FUND NET CASH FLOWS	1,754,573	1,798,953	(44,380)	Higher cash from operations negatively impacted by higher capex

**CASH & INVESTMENT SUMMARY
OCTOBER 2019
YTD CHANGES IN CASH BALANCES
ADJUSTED**

	Suburban Water	Suburban Wastewater	City Division
CURRENT MONTH			
CASH			
Operating	9,706,185.76	677,729.90	18,613,794.26
Capital	4,167,843.38	6,311,651.50	790,530.41
Restricted	1,587,613.71	337,871.00	40,086,730.34
Escrow	4,952,370.92	-	-
Total Cash	<u>20,414,013.77</u>	<u>7,327,252.40</u>	<u>59,491,055.01</u>
INVESTMENTS			
Operating	1,641,220.89	-	-
Capital	1,114,267.24	8,251,881.68	-
Restricted	25,526.72	-	3,940,640.00
Total Investments	<u>2,781,014.85</u>	<u>8,251,881.68</u>	<u>3,940,640.00</u>
TOTAL CASH & INVESTMENTS	<u>23,195,028.62</u>	<u>15,579,134.08</u>	<u>63,431,695.01</u>
BEGINNING OF YEAR			
CASH			
Operating	2,780,194.69	1,003,672.71	4,596,706.33
Capital	5,772,084.72	7,739,379.19	42,935.90
Restricted	1,583,700.00	337,562.23	47,484,919.50
Escrow	4,386,200.00	-	6,361.22
Total Cash	<u>14,522,179.41</u>	<u>9,080,614.13</u>	<u>52,130,922.95</u>
INVESTMENTS			
Operating	3,144,628.39	-	-
Capital	3,426,629.74	6,455,704.16	-
Restricted	25,521.88	-	3,940,640.00
Total Investments	<u>6,596,780.01</u>	<u>6,455,704.16</u>	<u>3,940,640.00</u>
TOTAL CASH & INVESTMENTS	<u>21,118,959.42</u>	<u>15,536,318.29</u>	<u>56,071,562.95</u>
YTD CHANGE IN BALANCES			
CASH			
Operating	6,925,991.07	(325,942.81)	14,017,087.93
Capital	(1,604,241.34)	(1,427,727.69)	747,594.51
Restricted	3,913.71	308.77	(7,398,189.16)
Escrow	566,170.92	-	(6,361.22)
Total Cash	<u>5,891,834.36</u>	<u>(1,753,361.73)</u>	<u>7,360,132.06</u>
INVESTMENTS			
Operating	(1,503,407.50)	-	-
Capital	(2,312,362.50)	1,796,177.52	-
Restricted	4.84	-	-
Total Investments	<u>(3,815,765.16)</u>	<u>1,796,177.52</u>	<u>-</u>
TOTAL CASH & INVESTMENTS	<u>2,076,069.20</u>	<u>42,815.79</u>	<u>7,360,132.06</u>
CASH WITHOUT ESCROW	<u>5,325,663.44</u>	<u>(1,753,361.73)</u>	<u>7,366,493.28</u>

Lehigh County Authority

System Operations Review - October 2019

Presented: November 25, 2019

<u>Critical Activities</u>	<u>System</u>	<u>Description</u>	<u>Oct-19</u>	<u>2019 Totals</u>	<u>2018 Totals</u>	<u>Permit</u>
			<u>Daily Avg (MGD)</u>	<u>Daily Avg (MGD)</u>	<u>Daily Avg (MGD)</u>	<u>Daily Max (MGD)</u>
Water Production	Allentown	Total	21.64	21.73	21.48	39.0
		Schantz Spring	7.10	7.83	6.90	9.0
		Crystal Spring	3.89	3.88	3.88	4.0
		Little Lehigh Creek	10.65	10.01	10.69	30.0
		Lehigh River	0.00	0.00	0.02	28.0
	Central Lehigh	Total	9.39	10.00	9.46	19.04 MGD Avg
		Feed from Allentown	6.90	7.04	6.74	7.0 MGD Avg 10.5 MGD Max
		Well Production (CLD)	2.49	2.96	2.71	8.54 MGD Avg
		Sum of all (12) other Suburban Water Systems	0.15	0.17	0.18	1.71 Sum of all wells
Wastewater Treatment	Kline's Island	32.09	38.72	36.08	40.0	
	Pretreatment Plant	4.94	6.14	5.46	5.75 (design capacity)	
	Sum of all (5) other Suburban WW Systems	0.17	0.18	0.20	0.36	
			<u>Oct-19</u>	<u>2019 Totals</u>	<u>2018 Totals</u>	<u>2017 Totals</u>
Precipitation Totals (inches)			7.96	55.59	66.96	50.18
Compliance Reports Submitted to Allentown			27	245	285	291
Notices of Violation (NOVs)	(Allentown + Suburban)		0	1	1	3
Sanitary Sewer Overflows (SSOs)/Bypasses	(Allentown + Suburban)		6	36	78	22
Main Breaks Repaired	Allentown		0	17	33	19
	Suburban		2	8	23	12
Customer Service Phone Inquiries	(Allentown + Suburban)		1,957	20,155	26,440	27,313
Water Shutoffs for Non-Payment	(Allentown + Suburban)		183	1,612	1,838	1,577
Injury Accidents	(Allentown + Suburban)		0	10	14	8
Emergency Declarations	Allentown		0	(2) @ \$152,053	(5) @ \$76,469	(2) @ \$51,235
	Suburban		0	(1) @ \$19,335	(1) @ \$21,197	(1) @ \$72,554

Significant Repairs/Upgrades: LCA is about to go live with a new PA One Call Software called Utilisphere. The new system is much more user friendly than the previous setup and LCA will enjoy a \$10,000 saving right away because of an altered license structure. The Utilisphere software includes enhanced routing capabilities where it will automatically produce the most efficient route for the field staff to physically get to the location. Operations staff can have the mobile application on their phones allowing them to address calls if they are coincidentally in that area.

Description of NOVs and/or SSOs: There were three (3) bypasses during October. Two (2) of them occurred at Lynn Township WWTP, the first on 10/27/19 and the other on 10/31/19. The third bypass happened at Heidelberg WWTP on 10/27/19. There were three (3) SSOs during October. Two (2) of them happened in the city on 10/9/19 and 10/18/19. The third SSO happened in the Heidelberg system on 10/27/19. There were no (0) NOVs issued during October, 2019.

Other Highlights: After extensive data gathering efforts, ~95% of the 33,000 City curbstops are now in GIS. This comes at great time with snow season now upon us. Operations staff can use their phones to locate buried assets instead of having to spend extra time digging where they think they should be. Efficiency will definitely increase.

Western Lehigh Interceptor Emergency Project - Status as of 11/15/2019

Phase 1 MH Start Point U84-7 MH End Point U6

CCTV Work and Cleaning/Grouting: 100% Complete

Phase 2 MH Start Point U6 MH End Point L274

Remediation work began in Phase 2 on 7/1/2019.

Remediation work to end during the week of 10/14/2019.

Five (5) segments need to be cleaned/CCTV'd yet.

The entire 20" relief line was successfully cleaned and CCTV'd.

CCTV Work and Cleaning/Grouting: 99% Complete

Phase 3 MH Start Point L274 MH End Point L255 (SCPS)

Bypass system start-up occurred on 8/20.

(19) manholes were rehabilitated during the bypass.

CCTV Work and Cleaning/Grouting: 99% Complete

Phase 4 MH Start Point L255 (SCPS) MH End Point L90 (Alburtis Line)

Four (4) segments remain to be CCTV'd.

Several segments are showing heavy debris.

Phase 5 MH Start Point L90 MH End Point L1 (Meter Station 5)

Several segments remain to be CCTV'd.

Phase 6 MH Start Point L1 MH End Point B1 (PPS)

Several segments remain to be CCTV'd.

All of the identified deficiencies throughout Phases 1-3 have now been repaired. A very short list of segments remain that have not been CCTV'd. The remaining segments all have site specific issues to overcome, i.e. access problems exist. No cleaning and grouting has been done for Phases 4-6.

As an extension to the WLI Emergency, a short bypass was constructed just upstream of the Pretreatment Plant in an effort to evaluate the end seals and general condition of a liner that had been previously installed. The liner has actually broken loose and has shifted downstream into a manhole in one area. It has become clear through this exploratory project that the entire reach that had the liner installed needs to be inspected and repaired if the situation warrants.

A full report for the Emergency Project will be completed as soon as all the data becomes available. At this point, data is showing that approximately 300,000 GPD of infiltration have been removed from the WLI from remediation work in Phases 1-3. Additional infiltration will be eliminated from the work done to-date on the malfunctioning liner.

Currently, LCA staff is preparing to evaluate the next steps for 2020. Not only does the liner need to be inspected and repaired, but the all of the defects located within Phases 4-6 of the Emergency Project remain to be addressed. Decisions will be made on priorities as we assemble work scopes for next year.