DWSD FINANCIAL SUMMARY
11+1 Forecast

FINANCE COMMITTEE DISCUSSION

7/11/2017

The Bottom Line…

- **May billings fell significantly short of projections, worsening an already negative trend**
  - Water volumes now projected to underperform budget by 3.5% (3.2% in the prior month)
  - Current sewer trend suggest 8.0% departure from budgeted volumes (7.6% in the prior month)
  - Sewer offset by higher drainage charges, however, collections remain soft – collection rate on new billings remain roughly 40% (in-line with expectations)
  - Current phase-in plan suggest further decline in drainage revenues – estimated $15 million in credits to be reflected in June; impact on operations yet to be determined

- **One year collection rate for water steady improved to 89.8% for the year; sewer rate partially recovered to 87.5%**
  - However short term collection rates were alarmingly low (56.5% Water and 48% Sewer)
  - Further, preliminary one year June sewer collections appear soft (83%)

- **Awaiting on flood claim settlement cash from GLWA**

- **Bank cash, net of borrowings, at the end of December approximates $72 million or 221 days**

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Financial Risk & Opportunities…

Risks

- **Weaker commodity volumes revenues – remaining risk for FY '17 ~ $2.9 million**
- **Approximately $200,000 left on flood claims**
- **Beginning cash balance still unknown – actually getting closer**
  - Cash yet to be bifurcated
  - Agreement with GLWA has been reached, but cash not distributed
- **Credit card fees being netted against revenue – this has been rolled into O&M in next year's budget**
- **Drainage launched for new customers; early returns project 40% paying**
- **Water / steam utilities running higher than anticipated**

Opportunities

- **Headcount and salary raises unfrozen but still under control – 19 less heads than budget at end of May**
- **Implementation of OT control procedures with Field Services; high turnover and absenteeism offsetting efforts**
- **Anticipated charges to GLWA**
  - Flood chargeback agreement reached
  - Field Services labor
- **Use of Bond money for reimbursement of labor and Green Infrastructure – additional expenses to be reclassed**
- **Mild winter should limit funds dedicated to break repair – contracts spending currently less than anticipated**

Risks & Opportunities by Fund

Item	Risks		Opportunities	
	Water	Sewer	Water	Sewer
Flood Damage Claims		$ 200,000		
Credit Card Fees	30,000	20,000		
Excess Overtime	79,899	59,924		
Drainage Fees		843,750		
Temporary Hires	80,000	120,000		
Utilities	67,500			
GLWA Shared Service Costs	480,000	720,000		
Labor Reimbursement from Bond Funds			409,833	212,976
Headcount Control			47,520	71,280
GLWA Chargeback on Flood				1,440,000
GLWA Net Chargeback on Salaries			2,120,000	3,180,000
Field Services GLWA As Needed Services			100,000	150,000
Delay in PMO Implementation			400,000	600,000
Operating Cost Risks / Opps	$ 737,399	$ 1,963,674	$ 3,077,353	$ 5,654,256
Volume & Customer Fixed Fee Risks / Opps	$ 548,345	2,350,703		
Total Risks & Opportunities	**$ 1,285,744**	**$ 4,314,377**	**$ 3,077,353**	**$ 5,654,256**
Memo:				
Net Risks & Opportunities	$ -	$ -	**$ 1,791,609**	**$ 1,339,879**

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DETROIT WATER & SEWER DEPARTMENT
SUMMARY FINANCIAL STATEMENTS (YTD)

Preliminary

	WATER			SEWER		
	Budget	Actual	F / (U)	Budget	Actual	F / (U)
Net Sales Revenue	$ 95,247,065	$ 93,429,674	$ (1,817,392) [1]	$ 262,658,950	$ 270,235,603	$ 7,576,653 [5]
Total O&M Charges	32,886,413	33,335,854	(449,441) [2]	40,384,875	37,539,532	2,845,343 [6]
Contribution Margin	62,360,652	60,093,819	(2,266,832)	222,274,075	232,696,071	10,421,996
Total Wholesale Rate Charges	1,521,368	1,521,368	(0) [3]	43,709,429	51,915,532	(8,206,103) [3]
Gross Margin	60,839,284	58,572,452	(2,266,832)	178,564,646	180,780,539	2,215,893
Total Other Operating Expenses	700,803	28,332,491	(27,631,688) [3]	14,332,889	37,218,651	(22,885,763) [3]
Net Operating Income	60,138,481	30,239,960	(29,898,521)	164,231,757	143,561,888	(20,669,870)
Total Non-Operating Expenses	33,672,423	11,256,648	22,415,775 [4]	84,371,489	59,324,716	25,046,774 [7]
Fund Surplus	26,466,058	18,983,312	(7,482,746)	79,860,268	84,237,172	4,376,904
Interest Expense	27,363,781	27,363,781	-	62,504,339	62,504,339	-
Fund Surplus Before Int. & Depr.	$ 53,829,839	$ 73,978,781	$ 20,148,942	$ 142,364,607	$ 169,583,377	$ 27,218,770
Actual Debt Payments	(43,951,596)	(43,951,596)	-	(121,851,791)	(121,851,791)	-
Change in Receivables	(8,174,082)	4,405,759	12,579,841	(19,374,153)	(21,131,166)	(1,757,013)
Net Surplus / Deficit	$ 1,704,161	$ 34,432,944	$ 32,728,783	$ 1,138,663	$ 26,600,420	$ 25,461,757
Unrestricted Lease Payment		20,625,000	20,625,000		25,208,333	25,208,333
Net Surplus / Deficit Less Lease	**$ 1,704,161**	**$ 13,807,944**	**$ 12,103,783**	**$ 1,138,663**	**$ 1,392,087**	**$ 253,424**

Note: Amounts represets expenditures in Funds 5402, 5502, 5720 &5820

[1] Lower revenue as a result of higher than exected fixed charge sales offset by 3.4% negative volume variation

[2] Negative variation driven by inventory build for restocking and misallocation of labor costs

[3] Includes Return on Equity ($20.7 million for water / $5.5 million or sewer)

[4] Includes value of net Water Lease Payment

[5] Positive revenue as a result of 7.8% negative volume variation offset by higher than expected drainage charges

[6] Positive variation driven by misallocation of labor costs and lower than anticipated contract costs

[7] Includes value of net Sewer Lease Payment

Preliminary

DETROIT WATER & SEWER DEPARTMENT
SUMMARY FINANCIAL STATEMENTS (11+1 FORECAST)

	WATER				SEWER			
	Budget	Fcst	F / (U)		Budget	Fcst	F / (U)	
Net Sales Revenue	$ 104,960,314	$ 102,594,578	$ (2,365,737)	[1]	$ 289,131,093	$ 294,357,043	$ 5,225,950	[4]
Total O&M Charges	36,099,185	39,747,827	(3,648,642)	[2]	44,223,982	42,262,932	1,961,049	[5]
Contribution Margin	68,861,129	62,846,750	(6,014,379)		244,907,111	252,094,111	7,187,000	
Total Wholesale Rate Charges	1,659,674	1,659,674	(0)		47,683,013	56,635,126	(8,952,113)	
Gross Margin	67,201,455	61,187,076	(6,014,379)		197,224,098	195,458,985	(1,765,113)	
Total Other Operating Expenses	764,512	29,268,172	(28,503,660)		15,635,878	38,142,165	(22,506,286)	
	66,436,943	31,918,904	(34,518,039)		181,588,219	157,316,820	(24,271,399)	
Total Non-Operating Expenses	36,733,552	12,281,992	24,451,560	[3]	92,041,625	64,722,258	27,319,367	[6]
Fund Surplus	29,703,391	19,636,912	(10,066,479)		89,546,595	92,594,562	3,047,967	
Interest Expense	29,851,397	29,851,397	-		68,186,552	68,186,552	-	
Fund Surplus Before Int. & Depr.	$ 59,554,788	$ 79,631,969	$ 20,077,181		$ 157,733,146	$ 185,699,513	$ 27,966,367	
Actual Debt Payments	(45,195,714)	(43,951,596)	1,244,119		(121,809,319)	(121,851,791)	(42,471)	
Change in Receivables	(12,261,123)	6,612,533	18,873,656		(29,061,230)	(26,422,401)	2,638,829	
Net Surplus / Deficit	$ 2,097,950	$ 42,292,906	$ 40,194,956		$ 6,862,597	$ 37,425,321	$ 30,562,724	
Unrestricted Lease Payment		22,500,000	22,500,000			27,500,000	27,500,000	
Net Surplus / Deficit Less Lease	**$ 2,097,950**	**$ 19,792,906**	**$ 17,694,956**		**$ 6,862,597**	**$ 9,925,321**	**$ 3,062,724**	

Note: Amounts represets expenditures in Funds 5402, 5502, 5720 &5820

[1] Lower revenue as a result of 3.5% projected negative volume variation

[2] Negative variation driven by inventory build for restocking and misallocation of labor costs

[3] Includes value of net Water Lease Payment

[4] Higher revenue as a result of 8.0% projected negative volume variation offset by higher than budgeted drainage charges

DETROIT WATER & SEWER DEPARTMENT
BALANCE SHEET

Preliminary

	WATER	SEWER	CONSOLIDTED
CASH	$ 97,121,661	$ 30,009,327	$ 127,130,989
INVESTMENTS	-	-	
RECEIVABLES	112,565,384	301,011,783	413,577,167
DUE FROM OTHER FUNDS	7,105,835	-	7,105,835
PREPAID ASSETS	521,932	-	521,932
INVENTORY	(1,910,585)	6,030,440	4,119,854
TOTAL SHORT TERM ASSETS	**$ 215,404,227**	**$ 337,051,550**	**$ 552,455,777**
NET PP&E	497,706,142	468,120,359	965,826,501
OTHER LONG TERM ASSETS	526,855,136	641,808,803	1,168,663,939
TOTAL LONG TERM ASSETS	**$ 1,024,561,277**	**$ 1,109,929,163**	**$ 2,134,490,440**
TOTAL ASSETS	**$ 1,239,965,505**	**$ 1,446,980,713**	**$ 2,686,946,218**
ACCOUNTS PAYABLE	12,229,109	10,386,487	22,615,596
ACCRUED EXPENSES	7,451,270	11,516,011	18,967,281
SHORT TERM PORTION OF LTD			-
TOTAL SHORT TERM LIABILITIES	**19,680,379**	**21,902,497**	**41,582,876**
BONDS PAYABLE	492,452,415	367,242,024	859,694,439
OTHER LONG TERM LIABILITIES	48,877,101	33,233,518	82,110,619
TOTAL LONG TERM LIABILITIES	**$ 541,329,516**	**$ 400,475,542**	**$ 941,805,058**
TOTAL LIABILITIES	**$ 561,009,895**	**$ 422,378,040**	**$ 983,387,935**
BEGINNING FUND BALANCE	630,025,548	794,222,537	1,424,248,085
CHANGE IN FUND	48,930,062	230,380,136	279,310,198
ENDING FUND BALANCE	678,955,610	1,024,602,673	1,703,558,283
TOTAL LIABILITIES & FUND BALANCE	**$ 1,239,965,505**	**$ 1,446,980,713**	**$ 2,686,946,218**

DETROIT WATER & SEWER YTD CASHFLOW
CASHFLOW STATEMENT FORECAST

	Water			Sewer		
	YTD 2017	FCST 2017	FY Forecast 11+1	YTD 2017	FCST 2017	11+1
Beginning Cash	$ 25,903,416	$ 93,860,879	$ 25,903,416	$ 21,324,408	$ 24,998,986	$ 21,324,408
Cashflow From Operating Activities						
Net Operating Surplus / (Deficit)	$ 30,239,960	$ (661,010)	$ 29,578,950	$ 143,561,888	$ 10,064,351	$ 153,626,239
Transfers to GLWA	(49,462,862)	(11,061,469)	(60,524,331)	(53,467,792)	(14,387,030)	(67,854,822)
Transfers from GLWA	27,074,389	12,033,062	39,107,451	33,167,986	14,741,327	47,909,313
Depreciation / Amortization	27,631,688	2,511,972	30,143,660	22,841,866	2,076,533	24,918,399
Change In Retail Receivables	4,405,759	2,206,774	6,612,533	(21,131,166)	(3,560,462)	(24,691,628)
Change in Inventory & Prepaids	2,784,019	-	2,784,019	(3,010,829)	-	(3,010,829)
Change in Other Long Term Assets	4,464,523	-	4,464,523	5,624,493	-	5,624,493
Change in Payables (Short & Long Term)	2,604,628	-	2,604,628	(7,700,964)	-	(7,700,964)
Other Adjustments	(887,526)	-	(887,526)	4,526,622	-	4,526,622
Net Cashflow From Operating Activites	$ 48,854,579	$ 5,029,329	$ 53,883,908	$ 124,412,104	$ 8,934,719	$ 133,346,823
Cashflow From Investing Activites						
CAPEX	(10,499,545)	(60,625,545)	(71,125,090)	(12,018,198)	(33,421,098)	(45,439,296)
Lease Payment (Net)	18,750,000	3,750,000	22,500,000	20,625,000	6,875,000	27,500,000
Extraordinary Repair & Replacement Deposits	(654,309)	(59,483)	(713,792)	(939,119)	(85,374)	(1,024,493)
Sale of Capital Assets						
Purchase of Securities						
Sale of Securities						
Net Cashflow From Investing Activities	$ 7,596,146	$ (56,935,028)	$ (49,338,882)	$ 7,667,683	$ (26,631,472)	$ (18,963,789)
Cashflow From Financing Activities						
Senior Principal Payments	(28,219,402)	-	(28,219,402)	(69,836,313)	-	(69,836,313)
2nd Lien Principal Payments	(14,183,462)	-	(14,183,462)	(30,268,836)	-	(30,268,836)
Junior Lien Principal Payments	(1,548,731)	-	(1,548,731)	(18,165,071)	-	(18,165,071)
New DWSDR Borrowings	57,002,828	-	57,002,828			
WRAP Payments	(553,432)	(52,325)	(605,757)	(1,206,261)	(114,046)	(1,320,307)
B-Note Payment	(647,757)	(58,887)	(706,644)	(6,605,895)	(600,536)	(7,206,431)
Budget Stablization Requirements	(343,305)	(31,210)	(374,514)	(2,322,833)	(211,167)	(2,534,000)
Total Wholesale Rate Charges	$ 11,506,738	$ (142,421)	$ 11,364,317	$ (128,405,209)	$ (925,749)	$ (129,330,958)
Total Increase / (Decrease) In Cash Balanaces	$ 67,957,463	$ (52,048,120)	$ 15,909,343	$ 3,674,578	$ (18,622,502)	$ (14,947,924)
Ending Cash	**$ 93,860,879**	**41,812,759**	**41,812,759**	**$ 24,998,986**	**6,376,484**	**6,376,484**

Summary financial metrics

DETROIT WATER & SEWER DEPARTMENT
SUMMARY FINANCIAL METRICS

MONTHLY

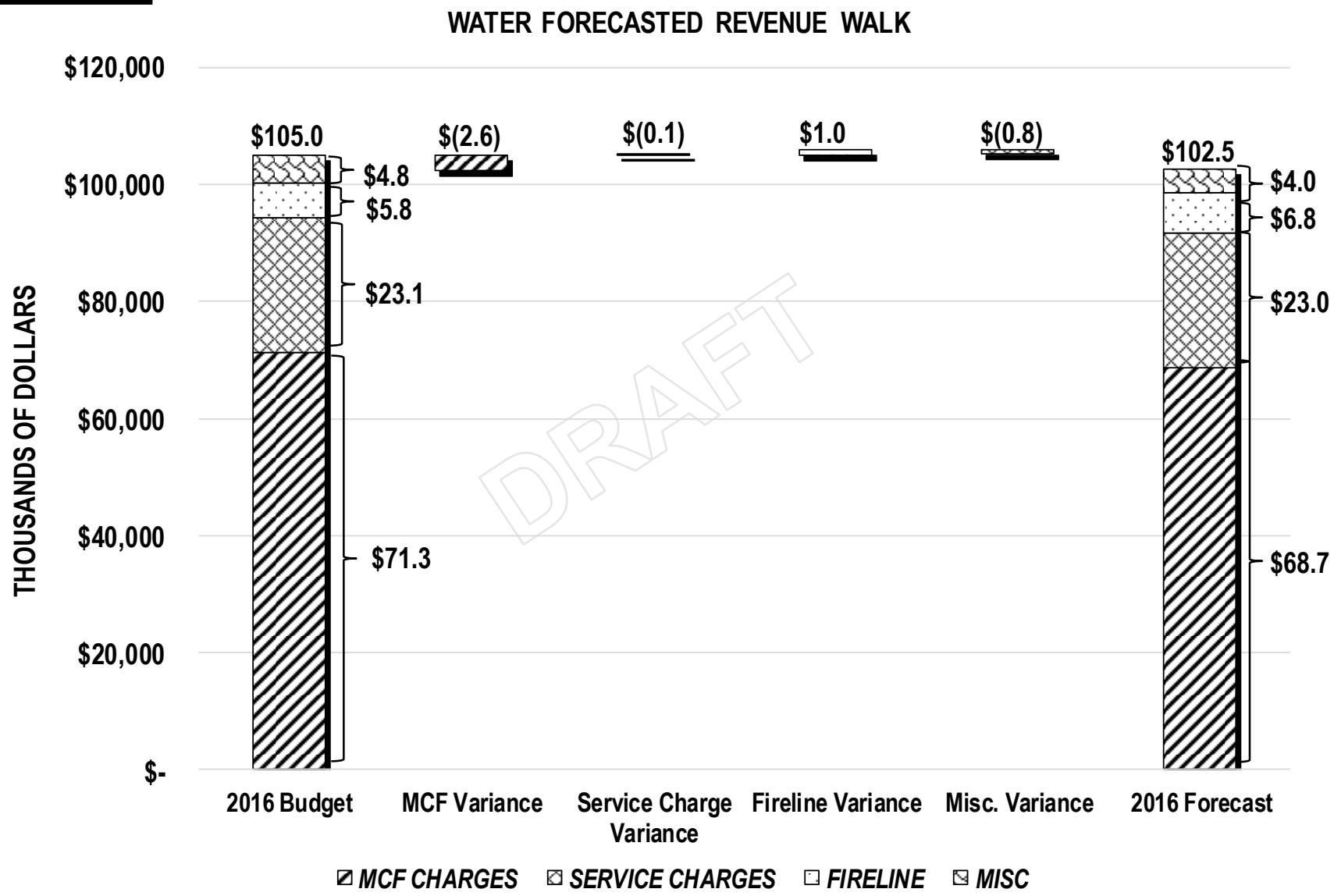
		7/31/2016	8/31/2016	9/30/2016	10/31/2016	11/30/2016	12/31/2016	1/31/2017	2/28/2017	3/31/2017	4/30/2017	5/31/2017	6/30/2017
VOLUMES	Budget	293,591	295,925	256,521	236,398	219,783	241,573	234,342	227,725	242,366	229,201	262,580	
	Actual	286,452	294,876	260,282	224,211	213,455	233,948	222,510	208,478	233,005	221,130	247,201	
	Status												
DAYS CASH	Budget	125.00	127.27	129.55	131.82	134.09	136.36	138.64	140.91	143.18	145.45	147.73	150
	Actual	140.00	144.79	151.72	153.41	175.21	173.14	178.00	195.99	222.97	236.58	220.81	
	Status												
DAYS PAYABLE OUTSTANDING	Budget	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
	Actual	62.12	52.37	40.31	33.02	32.26	33.76	38.01	39.01	46.05	55.69	45.05	
	Status												
WATER 30 - 60 DAY COLLECTION RATE	Budget	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%
	Actual	69.91%	79.23%	66.69%	71.15%	78.48%	77.85%	79.74%	76.58%	87.85%	82.70%	56.45%	
	Status												
SEWER 30 - 60 DAY COLLECTION RATE	Budget	68.00%	68.00%	68.00%	68.00%	68.00%	68.00%	68.00%	68.00%	68.00%	68.00%	68.00%	68.00%
	Actual	63.98%	70.79%	68.66%	67.72%	71.68%	60.78%	77.37%	63.04%	57.18%	65.39%	48.02%	
	Status												
WATER 330 - 360 DAY COLLECTION RATE	Budget	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%
	Actual	88.53%	95.03%	83.02%	85.01%	89.02%	90.74%	87.64%	87.71%	87.46%	89.48%	89.75%	
	Status												
SEWER 330 - 360 DAY COLLECTION RATE	Budget	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%
	Actual	84.95%	85.94%	84.75%	89.08%	91.20%	91.75%	87.07%	90.87%	83.77%	85.14%	87.50%	
	Status												
HEADCOUNT	Budget	488	488	488	488	488	488	488	488	488	488	488	488
	Actual	450	463	463	463	455	455	447	448	470	469	469	
	Status												
O&M COSTS	Budget	7,015,276	7,035,062	6,727,092	6,556,949	6,421,903	6,590,926	6,543,022	6,486,509	6,615,895	6,513,220	6,765,435	7,051,878
	Actual	4,765,394	7,503,394	5,008,219	6,541,562	7,669,199	5,709,147	6,567,702	4,798,510	8,224,823	6,555,965	6,965,674	
	Status												
WATER OUTSTANDING RECEIVABLES	Budget	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
	Actual	131.98	128.26	131.40	124.88	119.85	119.47	114.17	113.54	119.21	112.83	111.74	
	Status												
SEWER OUTSTANDING RECEIVABLES	Budget	175.00	175.00	175.00	175.00	175.00	175.00	175.00	175.00	175.00	175.00	175.00	175.00
	Actual	165.45	162.59	168.14	138.64	134.86	137.76	144.22	147.70	154.70	151.98	152.87	
	Status												

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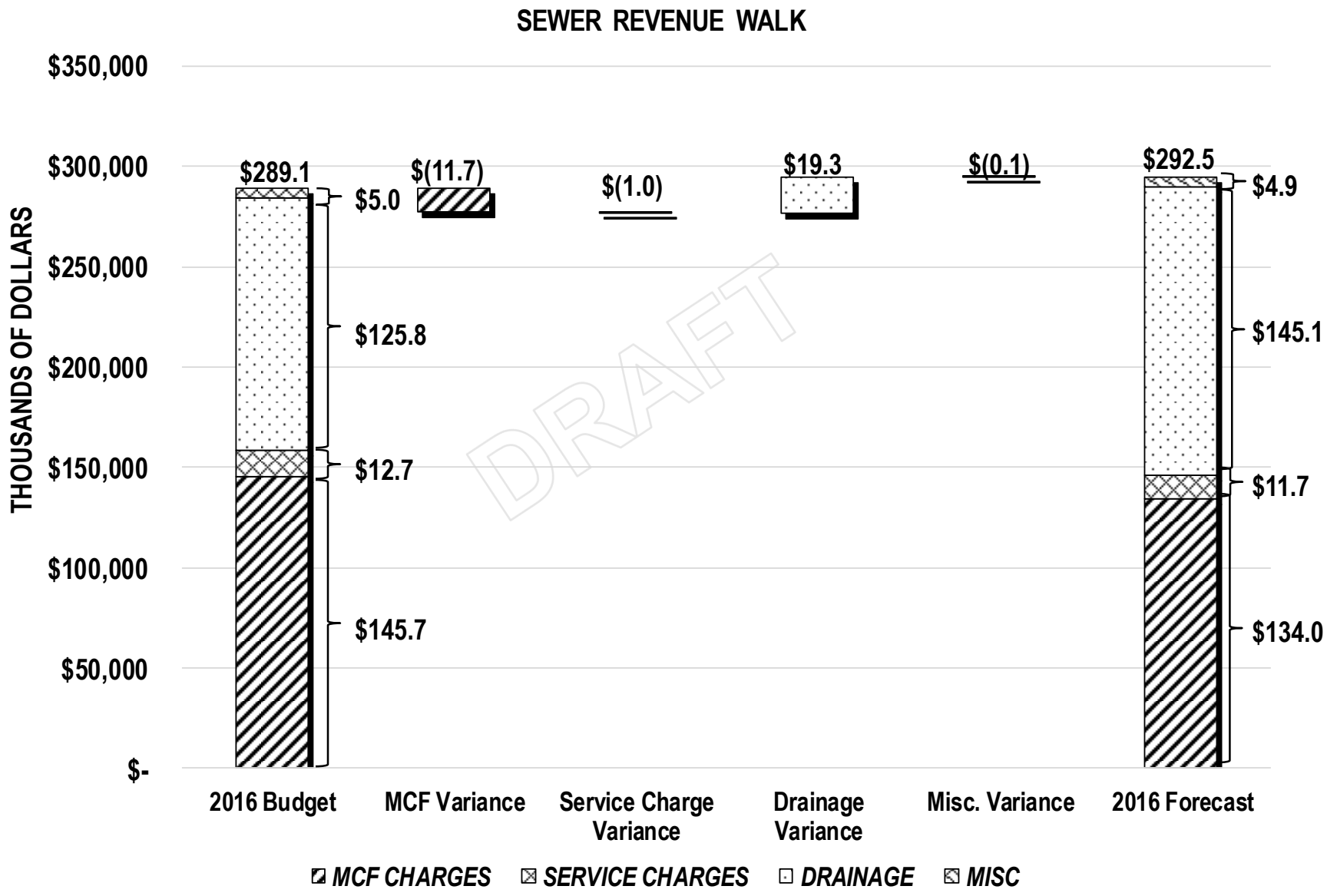
	BUDGET	PROJECTED	STATUS
EQUIVALENT ACTIVE ACCOUNTS (WATER)	281,839	281,354	
EQUIVALENT ACTIVE ACCOUNTS (SEWER)	187,852	186,785	
COMMODITY VOLUME (WATER)	3,034,000	2,926,457	
COMMODITY VOLUME (SEWER)	2,800,000	2,575,867	
O&M COSTS (MILLION)	$ 148.0	$ 158.7	

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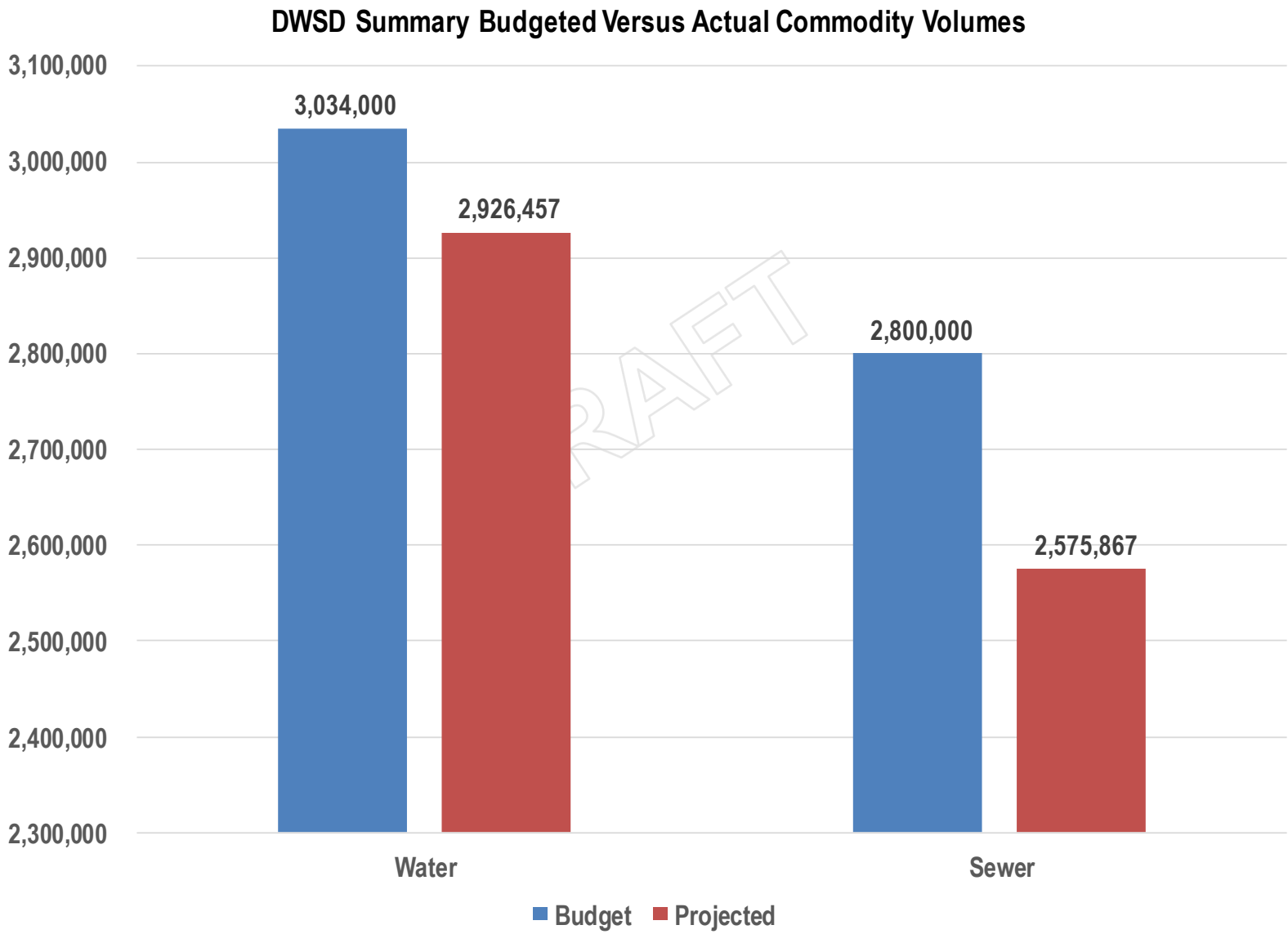
Water MCF volumes continue lower offset in part by improvements in fire line



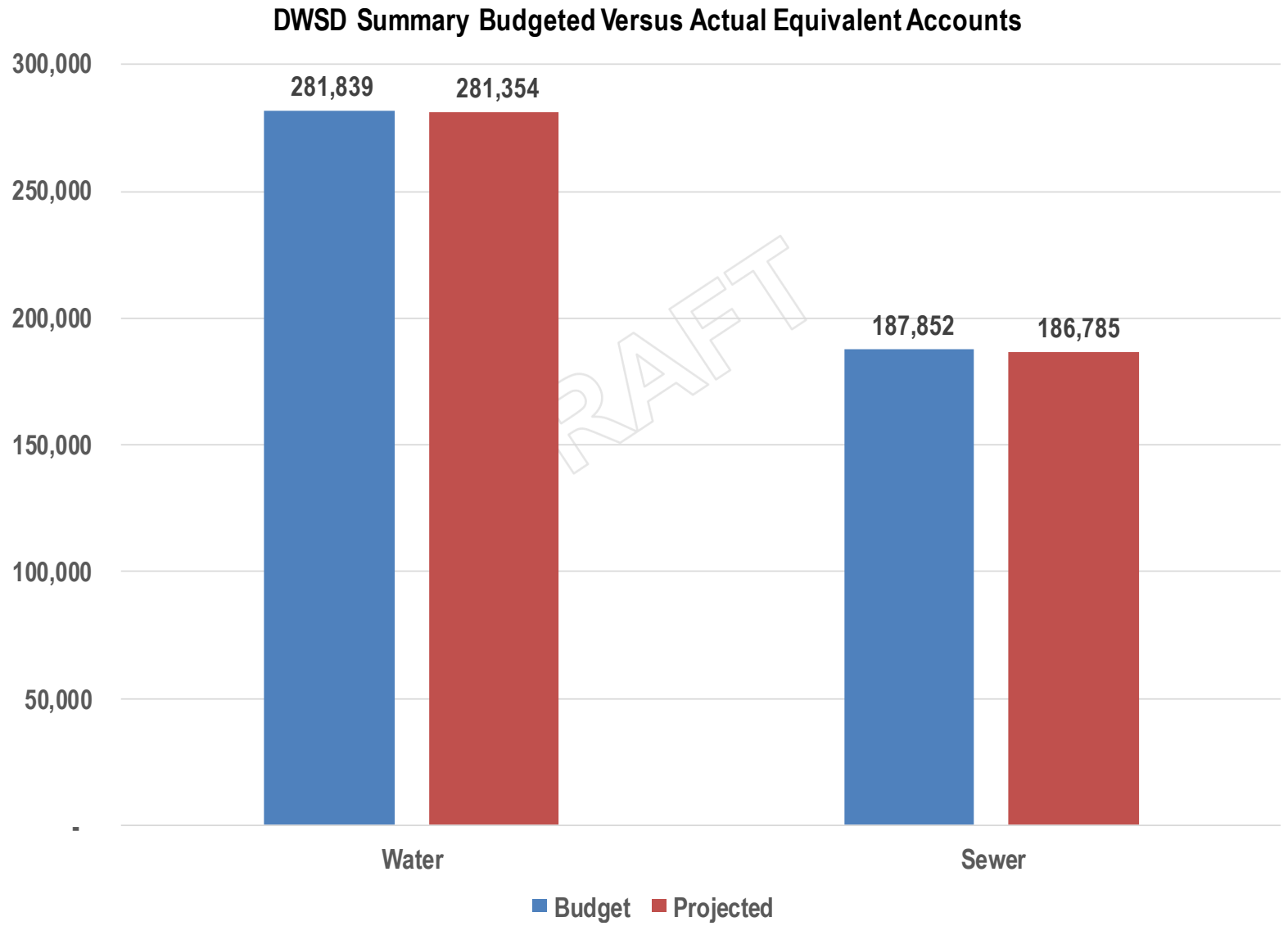
Sewer MCF volumes are tracking 7.2% lower than plan; however, this is offset by higher drainage charges from new customers



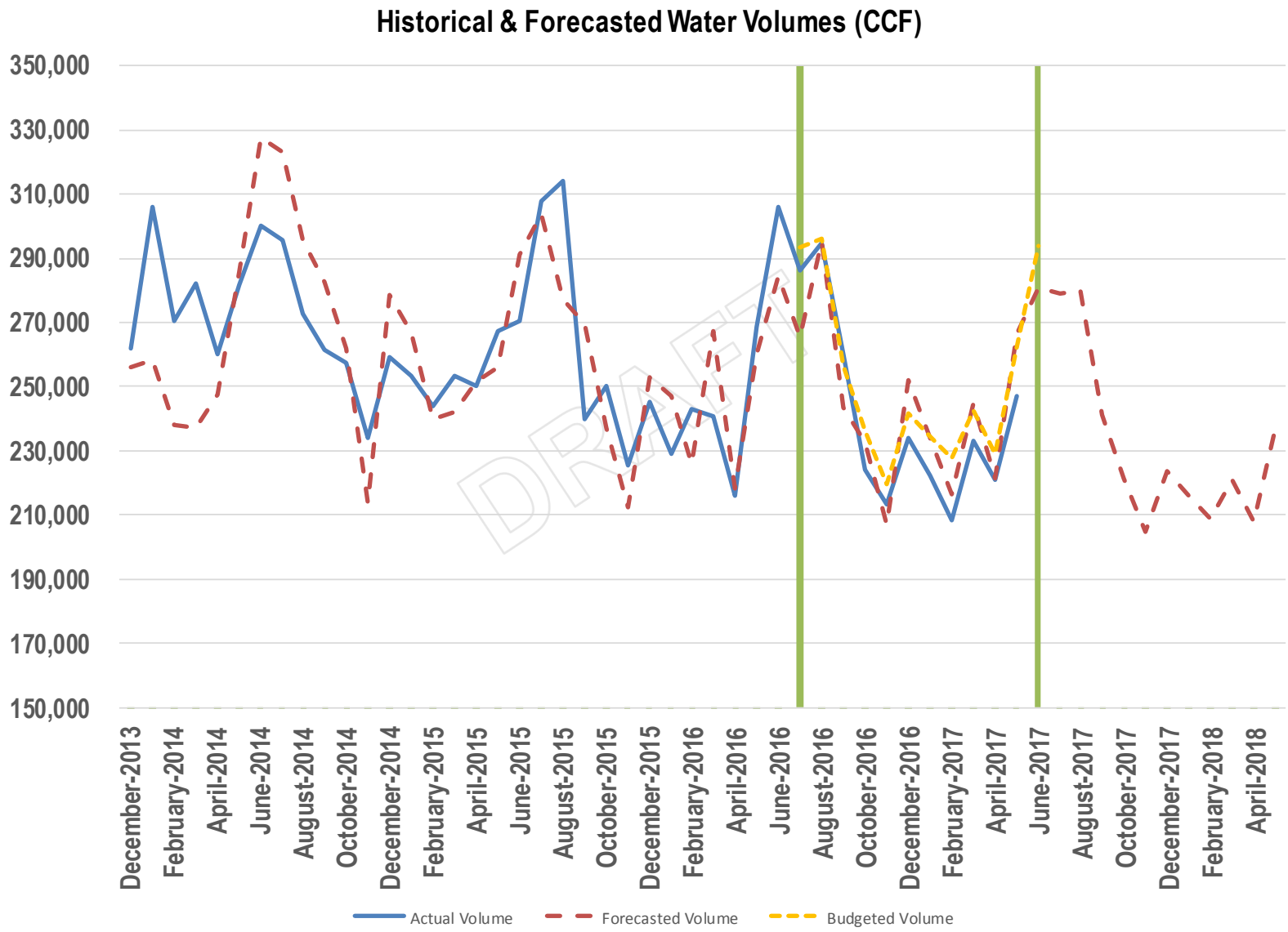
Forecasted water and sewer volumes underperform budget



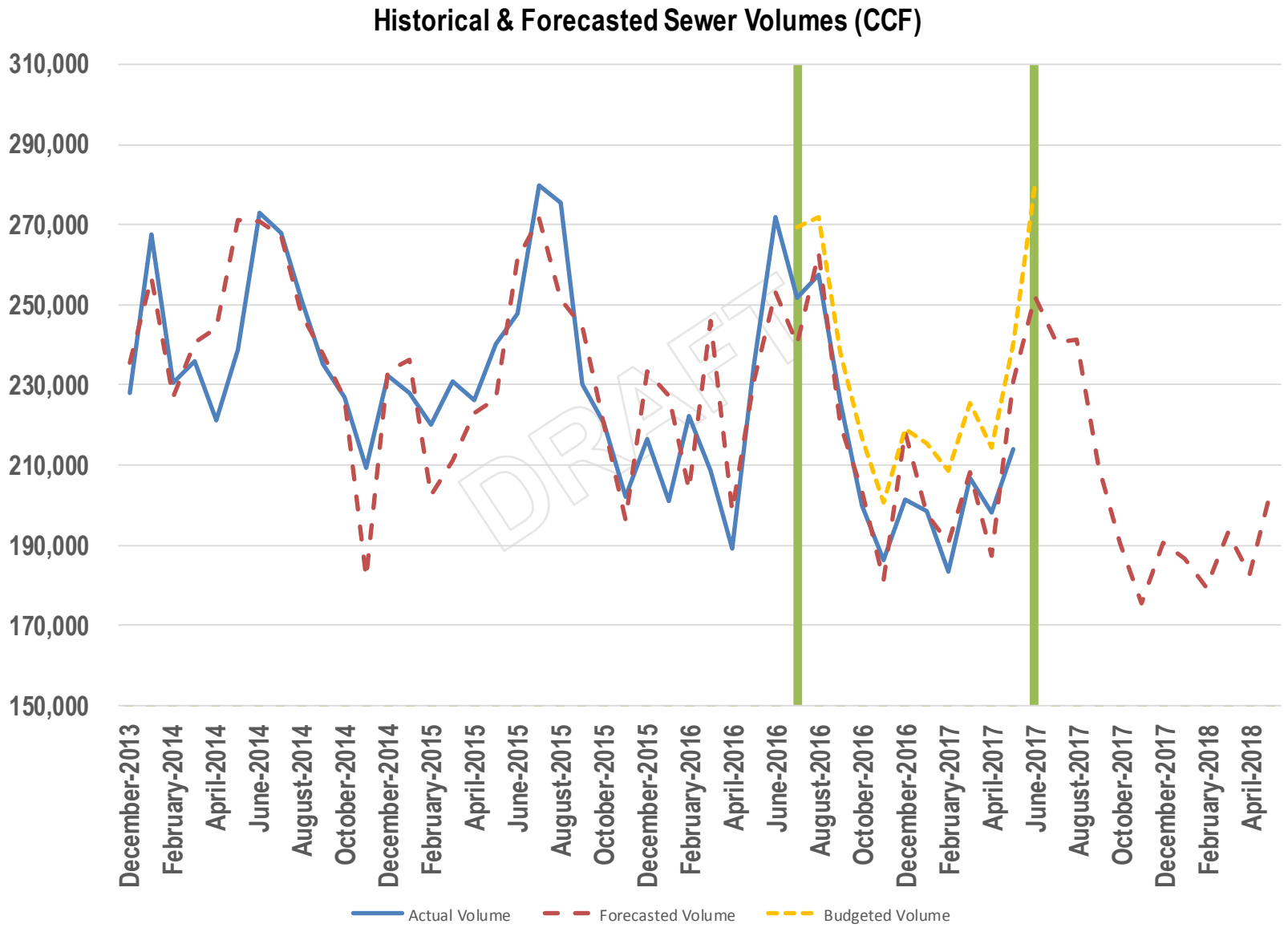
Account creation lags slightly behind budget for both Water and Sewer



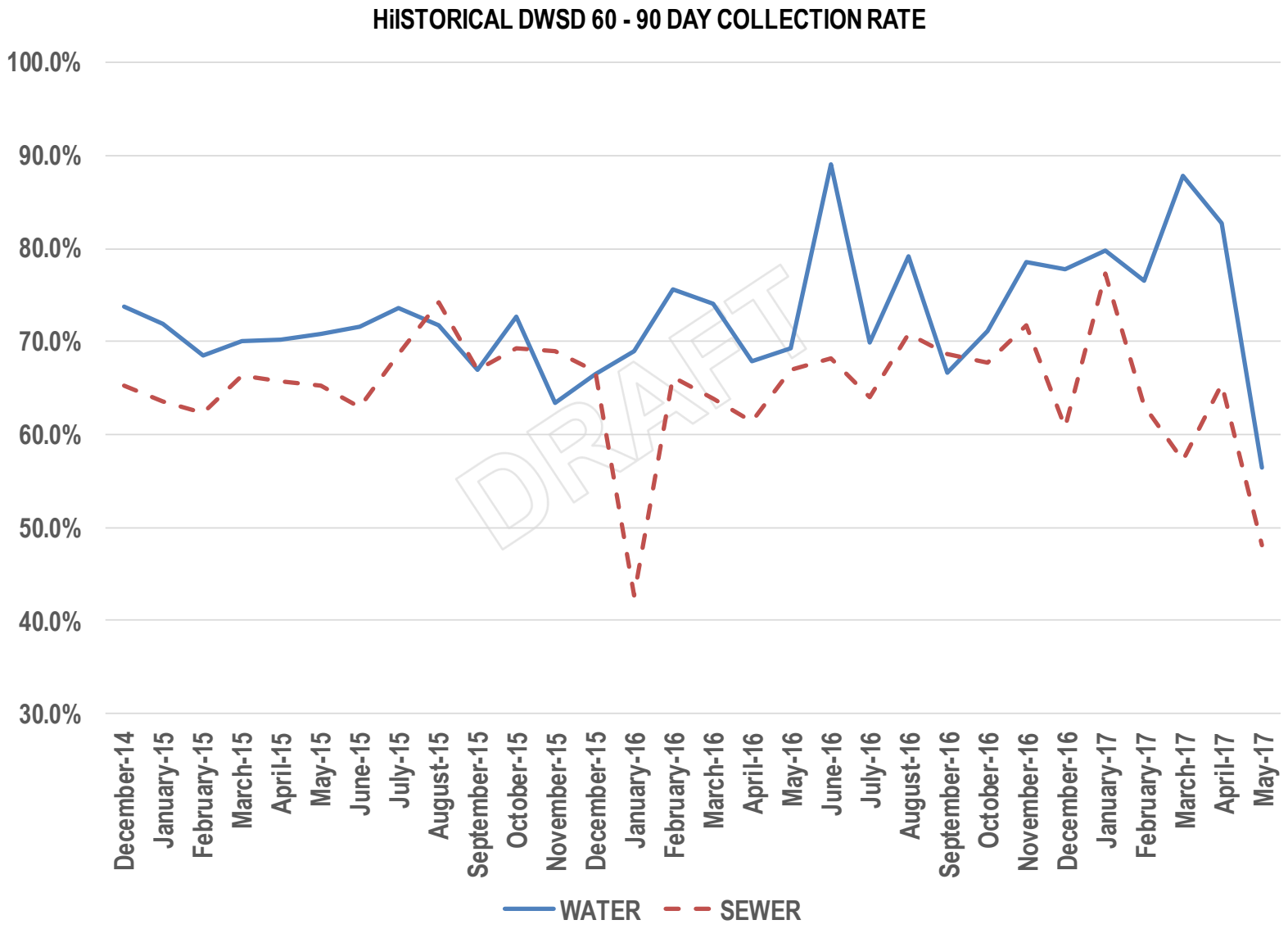
Our model continues to track water volumes well; actual volumes close forecasted and budgeted amounts



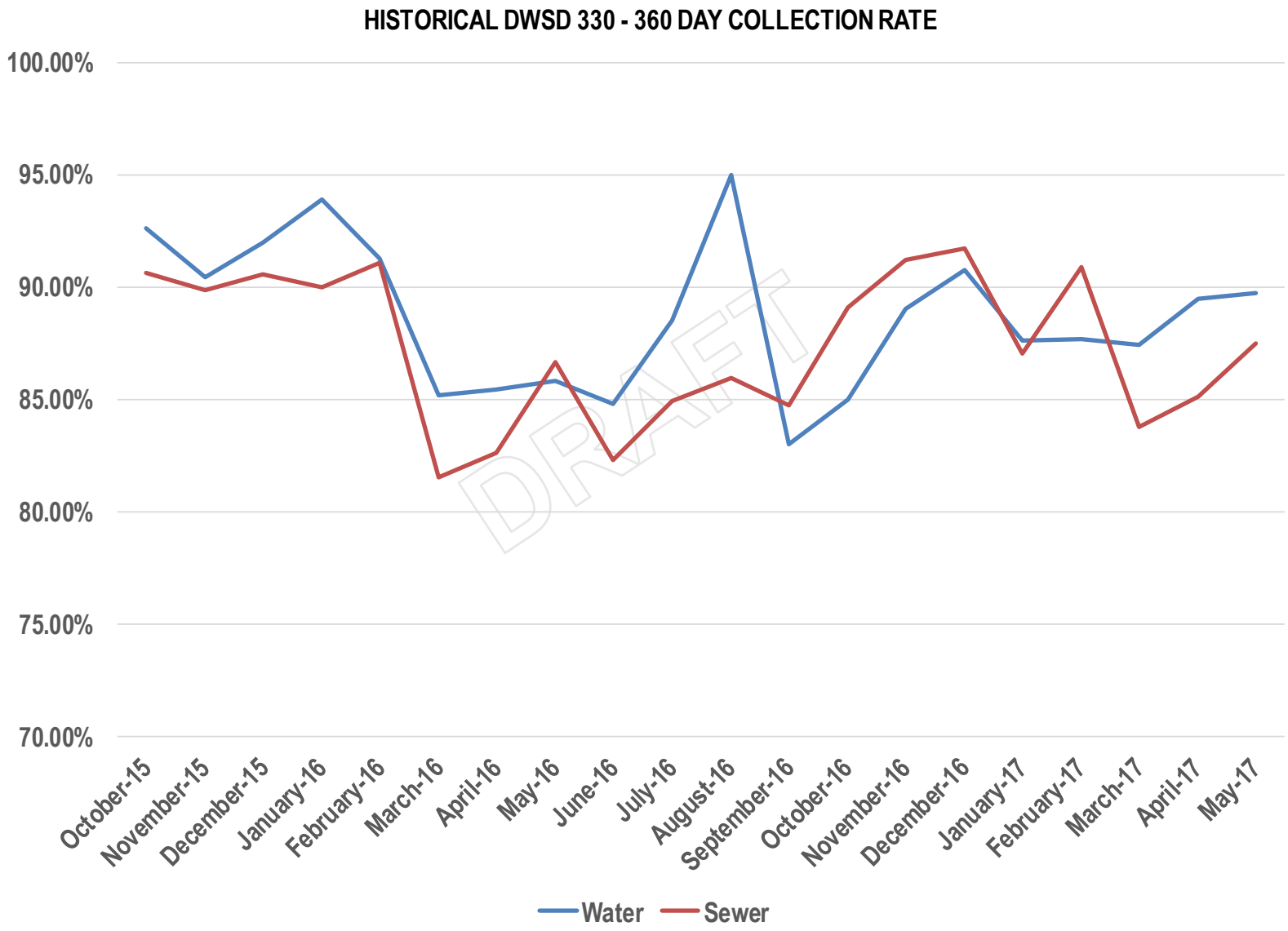
Sewer volumes are continue to project lower than budget; losses appear to be gaining momentum



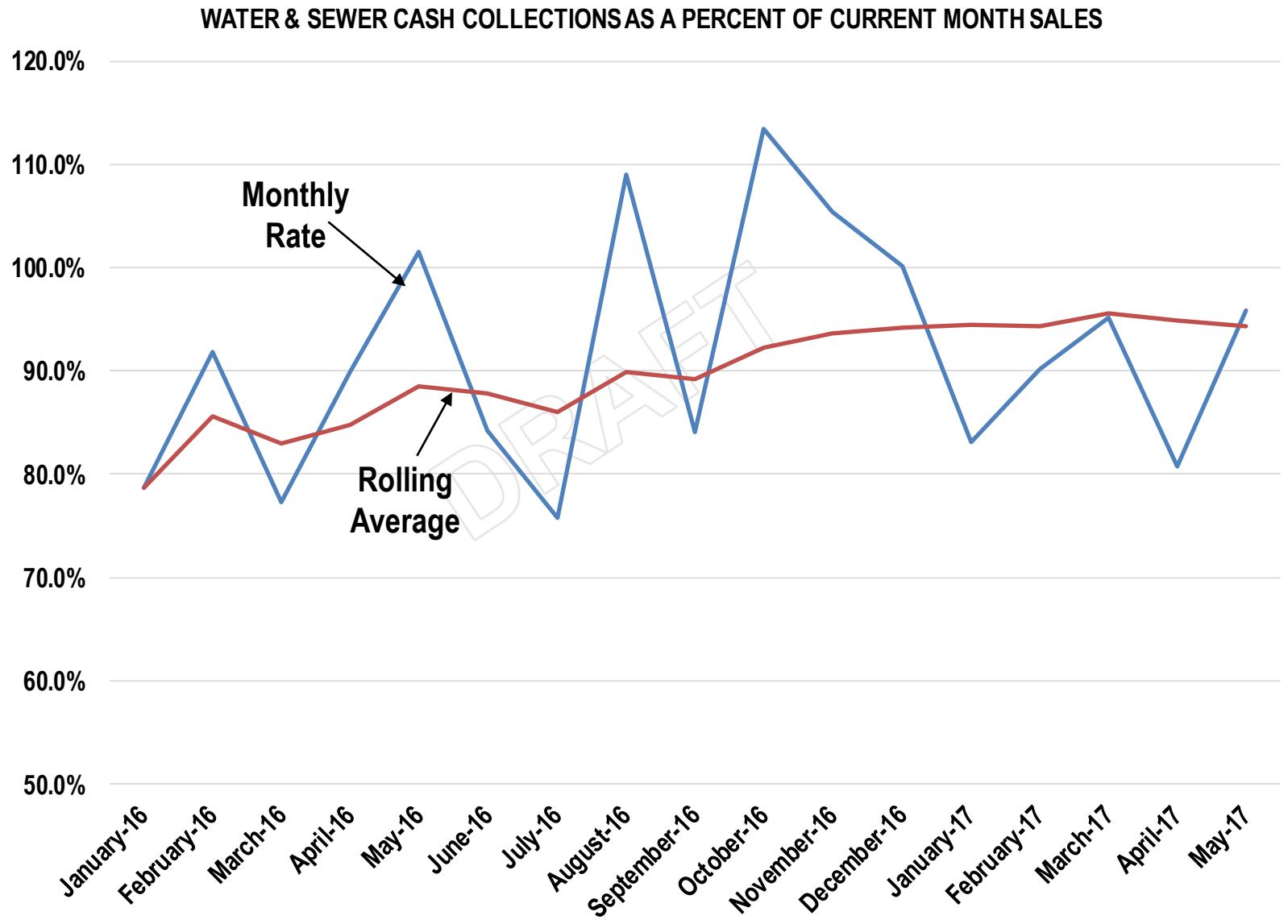
The 3-month collection rate increased significantly for water but dipped by an almost equal amount for sewer; this could be a bill allocation issue



Water one year collection rate is steady in March; Sewer ticked down predictably



Cash as a percentage remains over 90%; the rolling average approximates 94%



APPENDIX – SELECTED RECEIVABLES REPORTS

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Detroit Water and Sewerage Department

Retail Delinquency Report by Sales Class

Water and Sewer Combined

60 Days Days Past Due

Sales Class	Sales Class Description	Total Number of Accounts	Total Balance	Total Number of Accounts Past Due	Total Past Due	Average Amount Past Due
1	City Residential	284,105	95,919,838.87	92,742	81,692,658.89	880.86
2	Suburban Residential	235	85,474.39	80	72,168.39	902.10
3	City Commercial	23,188	27,278,430.36	10,768	19,003,486.02	1,764.81
4	Suburban Commercial	21	13,357.06	8	10,499.68	1,312.46
5	City Industrial	4,244	15,567,500.50	1,965	10,421,512.20	5,303.57
6	Suburban Industrial	16	186,813.30	2	10,453.63	5,226.82
7	City Municipal	3,214	6,743,098.53	2,291	5,005,778.21	2,184.98
9	City Schools	484	2,447,472.15	60	1,699,177.23	28,319.62
11	City Housing	60	1,187.97	3	832.84	277.61
13	Firelines Industr	218	1,078,157.93	57	739,028.15	12,965.41
15	City Firelines Comm	1,771	2,484,459.27	196	1,319,565.38	6,732.48

Detroit Water and Sewerage Department

Aging Balances as of Jun 2, 2017

Retail Delinquency Report by Tax Type - Water

Tax Type Description	Total Credit Balance	Total Current Balance	Total 30 Days	Total 60 Days	Total 90 Days	Total 120 Days	Total 150 Days	Total 180 Days	Grand Total Balance (Less Credit Balance)
APARTMENT BUILDING	-53,523.01	510,833.55	128,462.54	118,780.64	38,758.14	41,075.07	27,015.67	278,404.00	1,089,235.39
CHURCHES	-24,524.57	41,030.44	13,653.46	8,330.37	9,671.80	7,375.68	6,344.86	221,571.82	283,453.86
CITY OF DET BANKRUPTCY	-13,527.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-13,527.98
COMMERCIAL	-367,428.65	980,552.97	169,428.47	99,709.27	83,946.94	81,810.36	493,635.07	820,046.74	2,362,272.38
DET PUB SCHOOLS- LEASED	0.00	164.54	164.54	164.54	0.00	0.00	0.00	0.00	493.62
DET PUBLIC SCHOOLS-EAA	-112.00	16,861.39	6,778.26	0.00	0.00	0.00	0.00	0.00	23,527.65
DETROIT PUBLIC SCHOOLS	-382,416.56	35,043.38	35,446.09	27,888.85	3,377.92	4,186.55	3,825.11	111,481.69	-161,166.97
DWSD FORECLOSURE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	40.00
FEDERAL GOVERNMENT	-11,911.65	13,807.84	3,880.19	1,726.19	2,142.15	1,710.25	0.00	939.87	12,294.84
FIRELINES COMMERCIAL	-570,225.90	120,523.36	46,081.67	35,795.54	35,599.30	32,802.28	30,467.29	613,493.78	344,537.32
FIRELINES INDUSTRIAL	-101,618.14	39,553.14	22,631.33	21,116.68	21,091.03	19,802.97	17,739.45	525,308.17	565,624.63
HOUSING COMMISSION	0.00	51,685.87	52,191.53	18,739.26	9,985.74	8,022.16	3,319.83	130,418.77	274,363.16
INDUSTRIAL	-329,192.24	1,005,519.68	241,541.70	14,993.26	8,194.97	31,320.10	5,677.30	47,813.14	1,025,867.91
MEDICAL	-234.42	35,276.58	14,993.56	10,261.72	10,989.91	10,907.28	10,914.38	99,528.21	192,637.22
MUNICIPAL	-1,278.20	480,020.28	481,926.52	2,137,101.29	11,843.53	2,070.21	6,092.25	247,967.31	3,365,743.19
PLANNING & DEVELOPMENT	-9,381.47	4,460.35	3,113.56	2,815.69	3,297.25	2,273.23	2,437.72	109,686.37	118,702.70
RESIDENTIAL	-1,349,960.57	3,136,630.41	1,390,692.76	949,746.17	881,539.74	789,607.77	673,791.20	21,251,220.36	27,723,444.81
SCHOOLS	-16,931.35	17,753.28	4,589.45	3,102.82	2,228.93	1,711.24	1,295.08	38,191.96	51,941.41
STATE OF MICHIGAN	-2,332.57	16,100.34	17,978.91	9,314.23	38,292.97	24,026.09	4,930.37	334,363.45	442,673.79
STORM ONLY COMMERCIAL	-16,774.01	80.00	57.19	40.00	40.00	31.50	0.00	0.00	-16,525.32
STORM ONLY EXEMPT	-3,520.70	0.00	0.00	11.36	0.00	0.00	0.00	40.00	-3,469.34
STORM ONLY INDUSTRIAL	-84,868.91	0.00	0.00	0.00	42.00	0.00	0.00	0.00	-84,826.91
STORM ONLY OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STORM ONLY RESIDENTIAL	-15,488.82	40.00	122.00	0.00	0.00	82.00	40.00	40.00	-15,164.82
UNKNOWN AT CONVERSION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Detroit Water and Sewerage Department

Aging Balances as of Jun 2, 2017

Retail Delinquency Report by Tax Type - Sewer

Tax Type Description	Total Credit Balance	Total Current Balance	Total 30 Days	Total 60 Days	Total 90 Days	Total 120 Days	Total 150 Days	Total 180 Days	Grand Total Balance (Less Credit Balance)
APARTMENT BUILDING	-256,526.30	1,287,446.59	328,238.60	258,872.55	109,145.16	116,885.94	81,376.69	784,792.06	2,708,288.78
STORM ONLY RESIDENTIAL	-6,389.35	134,086.16	126,014.25	123,647.82	124,795.91	121,320.32	111,881.40	107,829.40	843,185.91
SCHOOLS	-16,045.60	116,477.16	27,515.50	16,455.48	13,567.79	12,518.35	10,855.36	477,824.57	659,168.61
DETROIT PUBLIC SCHOOLS	0.00	140,050.04	140,705.69	112,630.99	24,235.83	23,370.12	22,599.69	382,196.93	845,789.29
STORM ONLY EXEMPT	-294.75	1,387,889.98	1,354,579.78	1,290,365.93	1,180,463.51	1,151,132.09	1,111,001.60	1,096,678.91	8,571,817.05
INDUSTRIAL	-122,874.12	2,505,304.99	671,483.05	548,264.41	537,648.35	1,948,174.71	1,659,621.89	3,988,545.34	11,736,168.62
FEDERAL GOVERNMENT	-5,891.36	32,211.46	15,068.43	10,186.23	12,103.78	7,961.95	1,914.12	66,968.08	140,522.69
COMMERCIAL	-220,656.52	3,894,470.53	1,372,769.67	1,085,426.71	1,069,855.48	1,355,721.02	1,833,751.32	8,512,399.35	18,905,680.07
WATER FOUNTAINS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CITY OF DET BANKRUPTCY	-6,939.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-6,939.99
PLANNING & DEVELOPMENT	-775.41	221,726.52	23,774.52	23,551.32	21,525.65	16,618.22	16,345.77	907,756.70	1,230,523.29
HOUSING COMMISSION	0.00	118,835.25	120,991.34	47,364.15	25,315.38	18,253.85	5,614.25	620,273.16	956,647.38
FIRELINES INDUSTRIAL	-2,751.86	6,606.56	4,769.11	2,653.35	80.10	49.67	67.88	16,939.28	28,414.09
STATE OF MICHIGAN	0.00	247,682.06	262,708.05	139,021.95	180,331.92	72,623.66	30,850.46	1,166,679.21	2,099,897.31
UNKNOWN AT CONVERSION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEDICAL	-574.98	79,921.94	24,766.73	19,750.14	20,476.17	27,123.22	20,558.25	187,244.88	379,266.35
STORM ONLY INDUSTRIAL	-851.25	1,189,369.37	776,005.12	714,381.95	476,713.49	464,866.90	432,976.77	416,874.78	4,470,337.13
STORM ONLY COMMERCIAL	-1,424.63	389,655.67	334,055.81	297,418.67	285,488.21	276,402.19	259,181.16	253,008.16	2,093,785.24
WAYNE COUNTY	0.00	113,867.71	17,868.73	72.94	7.22	0.00	0.00	0.00	131,816.60
DET PUB SCHOOLS- LEASED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESIDENTIAL	-370,645.49	7,569,299.19	3,448,846.60	3,412,912.91	2,140,732.17	1,875,317.14	1,442,165.06	42,477,690.61	61,996,318.19
STORM ONLY OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIRELINES COMMERCIAL	-2,247.27	18,458.28	1,965.89	2,379.62	11,129.11	13,203.11	10,193.52	257,334.86	312,417.12
CHURCHES	-49,243.66	338,253.33	229,128.91	192,674.27	201,311.08	196,026.95	184,495.90	1,132,926.73	2,425,573.51

Detroit Water and Sewerage Department

Highway Drainage - Suburban Accounts

Aging Account Balances as of June 2, 2017

Customer Number	Customer Name	Total Balance Due	Current	> 30 Days	> 60 Days	> 90 Days
73,010.400	MDOT ENV SERVICES SECTION B245	567,252.94	195,370.30	195,370.30	99,655.12	76,857.22
73,020.400	WAYNE COUNTY HIGHWAYS	61,822.25	61,822.25	0.00	0.00	0.00
Grand Total		**629,075.19**	**257,192.55**	**195,370.30**	**99,655.12**	**76,857.22**
Jun 2, 2017					1	

Detroit Water and Sewerare Department

Accounts with Active Installments by Sales Class

Water and Sewer Combined

60 Days Days Past Due

Billing Cycles:

Customer Class	Sales Class Description	Total Number of Accounts	Total Balance	Total Number of Accounts Past Due	Total Past Due	Average Amount Past Due
1	City Residential	20,583	14,026,815.22	20,133	11,598,938.80	576.12
2	Suburban Residential	6	3,590.68	6	3,125.08	520.85
3	City Commercial	401	955,489.85	388	695,310.61	1,792.04
5	City Industrial	26	297,271.35	25	256,538.82	10,261.55
9	City Schools	1	2,685.83	1	473.77	473.77
11	City Housing	1	107.20	1	83.93	83.93
13	Firelines Industr	2	2,804.04	2	2,639.13	1,319.57
15	City Firelines Comm	21	140,522.08	17	120,680.40	7,098.85
46	Unknow n	50	67,078.63	47	39,323.83	836.68
47	Unknow n	36	75,118.46	36	58,005.66	1,611.27

Detroit Water and Sewerage Department

Retail Delinquency Report by Sales Class

Water and Sewer Combined

60 Days Days Past Due

Accounts Billed between May 1, 2017 and Jun 2, 2017

Accounts with a Balance >= 0

Sales Class	Sales Class Description	Total Number of Accounts	Total Balance	Total Number of Accounts Past Due	Total Past Due	Average Amount Past Due
1	City Residential	170,598	47,495,420.39	54,669	33,178,857.21	606.90
2	Suburban Residential	195	69,625.10	64	56,194.74	878.04
3	City Commercial	20,539	25,429,210.52	9,770	16,842,763.56	1,723.93
4	Suburban Commercial	15	13,373.46	8	10,499.68	1,312.46
5	City Industrial	3,706	13,826,205.61	1,764	8,612,811.72	4,882.55
6	Suburban Industrial	13	186,986.17	2	10,453.63	5,226.82
7	City Municipal	3,082	6,110,411.29	2,280	4,412,796.94	1,935.44
9	City Schools	393	2,400,201.68	49	1,643,417.02	33,539.12
11	City Housing	47	439.06	1	83.93	83.93
13	Firelines Industr	162	803,153.73	50	463,590.95	9,271.82
15	City Firelines Comm	1,490	2,503,361.68	173	1,245,106.55	7,197.15
21	City Commercial IWC	5	4,519.69	0	0.00	0
45	Unknow n	244	146,605.68	11	84,174.89	7,652.26

Detroit Water and Sewerage Department

City of Detroit Accounts - Water

Aging Account Balances as of June 2, 2017 - Summary

Customer Name	Total Balance Due	Current	> 30 Days	> 60 Days	> 90 Days	> 120 Days	> 150 Days	> 180 Days
36TH DISTRICT COURT	1,305.30	1,301.91	3.39	0.00	0.00	0.00	0.00	0.00
CITY OF DETROIT - CAYMC	265.53	130.35	135.18	0.00	0.00	0.00	0.00	0.00
DETROIT CITY AIRPORT	12,261.43	4,100.46	4,192.11	3,968.86	0.00	0.00	0.00	0.00
DWSD	5,928.86	5,928.86	0.00	0.00	0.00	0.00	0.00	0.00
ELECTIONS COMMISSION	4,082.41	1,110.30	2,931.55	40.56	0.00	0.00	0.00	0.00
FIRE DEPARTMENT	189,635.00	5,305.37	6,050.91	1,065.77	0.00	0.00	0.00	177,212.95
GENERAL SERVICES DEPARTMENT	10,003.30	4,837.15	5,166.15	0.00	0.00	0.00	0.00	0.00
GREAT LAKES WATER AUTHORITY	2,829,521.44	390,148.80	350,146.90	2,089,225.74	0.00	0.00	0.00	0.00
HEALTH DEPARTMENT	50,233.47	871.13	909.54	886.04	890.74	721.53	857.84	45,096.65
INSTITUTE OF ARTS	5,014.82	5,014.82	0.00	0.00	0.00	0.00	0.00	0.00
JAMES P CADARIU	846.28	106.97	106.97	97.57	109.32	116.37	97.57	211.51
MARIA LINDA ADAMS-LAWTON	2,505.14	190.89	200.29	200.29	204.99	226.14	209.69	1,272.85
MARTIN T VECCHIO	104.62	104.62	0.00	0.00	0.00	0.00	0.00	0.00
MUNICIPAL PARKING	7,731.45	4,254.86	3,476.59	0.00	0.00	0.00	0.00	0.00
PLANNING & DEVELOPMENT DEPT-DPS	50,761.54	6,152.64	5,030.16	5,502.44	5,065.80	0.00	4,927.15	24,083.35
POLICE DEPARTMENT	26,577.47	7,771.78	7,811.11	7,583.77	3,410.81	0.00	0.00	0.00
PUBLIC LIBRARY	10,748.75	2,441.52	2,944.42	2,194.77	2,161.87	1,006.17	0.00	0.00
PUBLIC LIGHTING	3,960.55	1,467.28	1,276.01	1,217.26	0.00	0.00	0.00	0.00
PUBLIC WORKS	56,377.02	0.00	56,377.02	0.00	0.00	0.00	0.00	0.00

Detroit Water and Sewerage Department

City of Detroit Accounts - Sewer

Aging Account Balances as of June 2, 2017 - Summary

Customer Name	Total Balance Due	Current	> 30 Days	> 60 Days	> 90 Days	> 120 Days	> 150 Days	> 180 Days
36TH DISTRICT COURT	2,809.20	2,803.27	5.93	0.00	0.00	0.00	0.00	0.00
CITY OF DETROIT - CAYMC	640.15	314.94	325.21	0.00	0.00	0.00	0.00	0.00
DETROIT CITY AIRPORT	401,861.35	85,914.32	86,117.20	85,623.00	144,206.83	0.00	0.00	0.00
DWSD	11,381.75	11,381.75	0.00	0.00	0.00	0.00	0.00	0.00
ELECTIONS COMMISSION	19,010.92	2,476.67	6,508.22	6,445.80	3,580.23	0.00	0.00	0.00
FIRE DEPARTMENT	415,273.50	9,405.47	17,908.68	3,526.40	0.00	0.00	0.00	384,432.95
GENERAL SERVICES DEPARTMENT	60,023.31	8,270.82	8,999.10	8,000.32	7,833.86	8,387.46	7,497.91	11,033.84
GREAT LAKES WATER AUTHORITY	3,609,017.30	171,828.51	287,128.01	3,135,014.56	1,175.96	1,175.96	1,175.96	11,518.34
HEALTH DEPARTMENT	216,005.00	865.32	892.21	840.19	850.60	777.77	777.76	211,001.15
INSTITUTE OF ARTS	10,371.71	10,371.71	0.00	0.00	0.00	0.00	0.00	0.00
JAMES P CADARIU	1,690.52	166.88	166.88	146.07	172.08	187.69	146.07	704.85
MARIA LINDA ADAMS-LAWTON	6,180.91	307.34	328.14	328.14	338.55	385.37	348.95	4,144.42
MARTIN T VECCHIO	311.68	311.68	0.00	0.00	0.00	0.00	0.00	0.00
MUNICIPAL PARKING	10,453.40	5,729.35	4,724.05	0.00	0.00	0.00	0.00	0.00
PLANNING & DEVELOPMENT DEPT-DPS	792,401.74	67,368.73	64,883.99	65,659.12	61,621.57	59,908.84	56,773.64	416,185.85
POLICE DEPARTMENT	107,680.21	20,194.57	20,991.35	20,284.03	21,844.66	17,816.81	6,548.79	0.00
PUBLIC LIBRARY	35,155.90	8,030.46	9,143.66	7,484.23	7,178.91	3,318.64	0.00	0.00
PUBLIC LIGHTING	72,509.85	22,516.32	22,116.32	21,986.28	5,890.93	0.00	0.00	0.00
PUBLIC WORKS	905.77	905.77	0.00	0.00	0.00	0.00	0.00	0.00

Detroit Water and Sewerage Department

City of Detroit Accounts - Water

Aging Account Balances as of June 2, 2017 - Detail

Customer Name	Customer Number	Total Balance Due	Current	> 30 Days	> 60 Days	> 90 Days	> 120 Days	> 150 Days	> 180 Days
36TH DISTRICT COURT	100,591.300	75.48	72.09	3.39	0.00	0.00	0.00	0.00	0.00
	101,292.301	1,229.82	1,229.82	0.00	0.00	0.00	0.00	0.00	0.00
36TH DISTRICT COURT - Total		**1,305.30**	**1,301.91**	**3.39**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
CITY OF DETROIT - CAYMC	301,068.301	265.53	130.35	135.18	0.00	0.00	0.00	0.00	0.00
CITY OF DETROIT - CAYMC - Total		**265.53**	**130.35**	**135.18**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
DETROIT CITY AIRPORT	9,990,002.301	12,261.43	4,100.46	4,192.11	3,968.86	0.00	0.00	0.00	0.00
DETROIT CITY AIRPORT - Total		**12,261.43**	**4,100.46**	**4,192.11**	**3,968.86**	**0.00**	**0.00**	**0.00**	**0.00**
DWSD	9,990,047.300	5,928.86	5,928.86	0.00	0.00	0.00	0.00	0.00	0.00
DWSD - Total		**5,928.86**	**5,928.86**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
ELECTIONS COMMISSION	101,272.301	4,082.41	1,110.30	2,931.55	40.56	0.00	0.00	0.00	0.00
ELECTIONS COMMISSION - Total		**4,082.41**	**1,110.30**	**2,931.55**	**40.56**	**0.00**	**0.00**	**0.00**	**0.00**
FIRE DEPARTMENT	63,003.303	177,212.95	0.00	0.00	0.00	0.00	0.00	0.00	177,212.95
	9,990,027.301	12,422.05	5,305.37	6,050.91	1,065.77	0.00	0.00	0.00	0.00
FIRE DEPARTMENT - Total		**189,635.00**	**5,305.37**	**6,050.91**	**1,065.77**	**0.00**	**0.00**	**0.00**	**177,212.95**
GENERAL SERVICES DEPARTMENT	9,990,015.301	10,003.30	4,837.15	5,166.15	0.00	0.00	0.00	0.00	0.00
GENERAL SERVICES DEPARTMENT - Total		**10,003.30**	**4,837.15**	**5,166.15**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
GREAT LAKES WATER AUTHORITY	401,299.300	2,193,687.03	0.00	104,461.29	2,089,225.74	0.00	0.00	0.00	0.00
	9,990,046.300	635,834.41	390,148.80	245,685.61	0.00	0.00	0.00	0.00	0.00
GREAT LAKES WATER AUTHORITY - Total		**2,829,521.44**	**390,148.80**	**350,146.90**	**2,089,225.74**	**0.00**	**0.00**	**0.00**	**0.00**
HEALTH DEPARTMENT	9,990,007.301	50,233.47	871.13	909.54	886.04	890.74	721.53	857.84	45,096.65
HEALTH DEPARTMENT - Total		**50,233.47**	**871.13**	**909.54**	**886.04**	**890.74**	**721.53**	**857.84**	**45,096.65**
INSTITUTE OF ARTS	601,993.301	41.17	41.17	0.00	0.00	0.00	0.00	0.00	0.00
	9,990,013.301	4,973.65	4,973.65	0.00	0.00	0.00	0.00	0.00	0.00
INSTITUTE OF ARTS - Total		**5,014.82**	**5,014.82**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
JAMES P CADARIU	3,901,292.302	846.28	106.97	106.97	97.57	109.32	116.37	97.57	211.51
JAMES P CADARIU - Total		**846.28**	**106.97**	**106.97**	**97.57**	**109.32**	**116.37**	**97.57**	**211.51**
MARIA LINDA ADAMS-LAWTON	1,902,764.302	2,505.14	190.89	200.29	200.29	204.99	226.14	209.69	1,272.85
MARIA LINDA ADAMS-LAWTON - Total		**2,505.14**	**190.89**	**200.29**	**200.29**	**204.99**	**226.14**	**209.69**	**1,272.85**
MARTIN T VECCHIO	3,303,071.302	104.62	104.62	0.00	0.00	0.00	0.00	0.00	0.00
MARTIN T VECCHIO - Total		**104.62**	**104.62**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
MUNICIPAL PARKING	9,990,018.301	7,731.45	4,254.86	3,476.59	0.00	0.00	0.00	0.00	0.00
MUNICIPAL PARKING - Total		**7,731.45**	**4,254.86**	**3,476.59**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
PLANNING & DEVELOPMENT DEPT-DPS	9,990,045.300	50,761.54	6,152.64	5,030.16	5,502.44	5,065.80	0.00	4,927.15	24,083.35
PLANNING & DEVELOPMENT DEPT-DPS - Total		**50,761.54**	**6,152.64**	**5,030.16**	**5,502.44**	**5,065.80**	**0.00**	**4,927.15**	**24,083.35**
POLICE DEPARTMENT	9,990,012.301	26,577.47	7,771.78	7,811.11	7,583.77	3,410.81	0.00	0.00	0.00
POLICE DEPARTMENT - Total		**26,577.47**	**7,771.78**	**7,811.11**	**7,583.77**	**3,410.81**	**0.00**	**0.00**	**0.00**
PUBLIC LIBRARY	9,990,005.301	10,748.75	2,441.52	2,944.42	2,194.77	2,161.87	1,006.17	0.00	0.00
PUBLIC LIBRARY - Total		**10,748.75**	**2,441.52**	**2,944.42**	**2,194.77**	**2,161.87**	**1,006.17**	**0.00**	**0.00**
PUBLIC LIGHTING	9,990,006.301	3,960.55	1,467.28	1,276.01	1,217.26	0.00	0.00	0.00	0.00
PUBLIC LIGHTING - Total		**3,960.55**	**1,467.28**	**1,276.01**	**1,217.26**	**0.00**	**0.00**	**0.00**	**0.00**
PUBLIC WORKS	63,004.303	56,377.02	0.00	56,377.02	0.00	0.00	0.00	0.00	0.00
PUBLIC WORKS - Total		**56,377.02**	**0.00**	**56,377.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
RECREATION	301,138.300	(30.00)	0.00	0.00	0.00	0.00	0.00	0.00	(30.00)
	301,141.300	(828.10)	0.00	0.00	0.00	0.00	(828.10)	0.00	0.00
	301,143.300	(284.16)	0.00	0.00	0.00	0.00	(284.16)	0.00	0.00
	8,800,027.300	60.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00
	8,800,241.300	30.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00
	9,990,016.301	40,445.01	12,959.15	13,467.76	14,018.10	0.00	0.00	0.00	0.00
RECREATION - Total		**39,392.75**	**12,959.15**	**13,467.76**	**14,018.10**	**0.00**	**(1,112.26)**	**0.00**	**60.00**
RECREATION (2)	63,002.301	(135.94)	0.00	0.00	0.00	0.00	0.00	0.00	(135.94)

Detroit Water and Sewerage Department

City of Detroit Accounts - Sewer

Aging Account Balances as of June 2, 2017 - Detail

Customer Name	Customer Number	Total Balance Due	Current	> 30 Days	> 60 Days	> 90 Days	> 120 Days	> 150 Days	> 180 Days
36TH DISTRICT COURT	100,591.400	124.55	118.62	5.93	0.00	0.00	0.00	0.00	0.00
	101,292.401	2,684.65	2,684.65	0.00	0.00	0.00	0.00	0.00	0.00
36TH DISTRICT COURT - Total		**2,809.20**	**2,803.27**	**5.93**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
CITY OF DETROIT - CAYMC	301,068.401	640.15	314.94	325.21	0.00	0.00	0.00	0.00	0.00
CITY OF DETROIT - CAYMC - Total		**640.15**	**314.94**	**325.21**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
DETROIT CITY AIRPORT	9,990,002.401	401,861.35	85,914.32	86,117.20	85,623.00	144,206.83	0.00	0.00	0.00
DETROIT CITY AIRPORT - Total		**401,861.35**	**85,914.32**	**86,117.20**	**85,623.00**	**144,206.83**	**0.00**	**0.00**	**0.00**
DWSD	9,990,047.400	11,381.75	11,381.75	0.00	0.00	0.00	0.00	0.00	0.00
DWSD - Total		**11,381.75**	**11,381.75**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
ELECTIONS COMMISSION	101,272.401	19,010.92	2,476.67	6,508.22	6,445.80	3,580.23	0.00	0.00	0.00
ELECTIONS COMMISSION - Total		**19,010.92**	**2,476.67**	**6,508.22**	**6,445.80**	**3,580.23**	**0.00**	**0.00**	**0.00**
FIRE DEPARTMENT	63,003.403	384,432.95	0.00	0.00	0.00	0.00	0.00	0.00	384,432.95
	9,990,027.401	30,840.55	9,405.47	17,908.68	3,526.40	0.00	0.00	0.00	0.00
FIRE DEPARTMENT - Total		**415,273.50**	**9,405.47**	**17,908.68**	**3,526.40**	**0.00**	**0.00**	**0.00**	**384,432.95**
GENERAL SERVICES DEPARTMENT	9,990,015.401	60,023.31	8,270.82	8,999.10	8,000.32	7,833.86	8,387.46	7,497.91	11,033.84
GENERAL SERVICES DEPARTMENT - Total		**60,023.31**	**8,270.82**	**8,999.10**	**8,000.32**	**7,833.86**	**8,387.46**	**7,497.91**	**11,033.84**
GREAT LAKES WATER AUTHORITY	401,299.400	3,290,530.53	0.00	156,691.93	3,133,838.60	0.00	0.00	0.00	0.00
	3,300,742.400	18,574.10	1,175.96	1,175.96	1,175.96	1,175.96	1,175.96	1,175.96	11,518.34
	9,990,046.400	299,912.67	170,652.55	129,260.12	0.00	0.00	0.00	0.00	0.00
GREAT LAKES WATER AUTHORITY - Total		**3,609,017.30**	**171,828.51**	**287,128.01**	**3,135,014.56**	**1,175.96**	**1,175.96**	**1,175.96**	**11,518.34**
HEALTH DEPARTMENT	9,990,007.401	216,005.00	865.32	892.21	840.19	850.60	777.77	777.76	211,001.15
HEALTH DEPARTMENT - Total		**216,005.00**	**865.32**	**892.21**	**840.19**	**850.60**	**777.77**	**777.76**	**211,001.15**
INSTITUTE OF ARTS	601,993.401	211.79	211.79	0.00	0.00	0.00	0.00	0.00	0.00
	9,990,013.401	10,159.92	10,159.92	0.00	0.00	0.00	0.00	0.00	0.00
INSTITUTE OF ARTS - Total		**10,371.71**	**10,371.71**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
JAMES P CADARIU	3,901,292.402	1,690.52	166.88	166.88	146.07	172.08	187.69	146.07	704.85
JAMES P CADARIU - Total		**1,690.52**	**166.88**	**166.88**	**146.07**	**172.08**	**187.69**	**146.07**	**704.85**
MARIA LINDA ADAMS-LAWTON	1,902,764.402	6,180.91	307.34	328.14	328.14	338.55	385.37	348.95	4,144.42
MARIA LINDA ADAMS-LAWTON - Total		**6,180.91**	**307.34**	**328.14**	**328.14**	**338.55**	**385.37**	**348.95**	**4,144.42**
MARTIN T VECCHIO	3,303,071.402	311.68	311.68	0.00	0.00	0.00	0.00	0.00	0.00
MARTIN T VECCHIO - Total		**311.68**	**311.68**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
MUNICIPAL PARKING	9,990,018.401	10,453.40	5,729.35	4,724.05	0.00	0.00	0.00	0.00	0.00
MUNICIPAL PARKING - Total		**10,453.40**	**5,729.35**	**4,724.05**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
PLANNING & DEVELOPMENT DEPT-DPS	9,990,045.400	792,401.74	67,368.73	64,883.99	65,659.12	61,621.57	59,908.84	56,773.64	416,185.85
PLANNING & DEVELOPMENT DEPT-DPS - Total		**792,401.74**	**67,368.73**	**64,883.99**	**65,659.12**	**61,621.57**	**59,908.84**	**56,773.64**	**416,185.85**
POLICE DEPARTMENT	9,990,012.401	107,680.21	20,194.57	20,991.35	20,284.03	21,844.66	17,816.81	6,548.79	0.00
POLICE DEPARTMENT - Total		**107,680.21**	**20,194.57**	**20,991.35**	**20,284.03**	**21,844.66**	**17,816.81**	**6,548.79**	**0.00**
PUBLIC LIBRARY	9,990,005.401	35,155.90	8,030.46	9,143.66	7,484.23	7,178.91	3,318.64	0.00	0.00
PUBLIC LIBRARY - Total		**35,155.90**	**8,030.46**	**9,143.66**	**7,484.23**	**7,178.91**	**3,318.64**	**0.00**	**0.00**
PUBLIC LIGHTING	9,990,006.401	72,509.85	22,516.32	22,116.32	21,986.28	5,890.93	0.00	0.00	0.00
PUBLIC LIGHTING - Total		**72,509.85**	**22,516.32**	**22,116.32**	**21,986.28**	**5,890.93**	**0.00**	**0.00**	**0.00**
PUBLIC WORKS	9,990,008.401	905.77	905.77	0.00	0.00	0.00	0.00	0.00	0.00
PUBLIC WORKS - Total		**905.77**	**905.77**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
RECREATION	9,990,016.401	1,048,689.09	304,034.94	305,314.21	289,502.45	149,837.49	0.00	0.00	0.00
RECREATION - Total		**1,048,689.09**	**304,034.94**	**305,314.21**	**289,502.45**	**149,837.49**	**0.00**	**0.00**	**0.00**
RECREATION (2)	9,990,014.401	671,430.89	75,237.25	72,371.00	71,845.54	70,426.15	381,550.95	0.00	0.00
RECREATION (2) - Total		**671,430.89**	**75,237.25**	**72,371.00**	**71,845.54**	**70,426.15**	**381,550.95**	**0.00**	**0.00**
TRANSPORTATION	9,990,017.401	145,314.69	31,778.81	24,750.90	23,616.87	24,542.82	25,520.80	15,104.49	0.00

APPENDIX – DETAILED FINANCIALS & FORECAST

DRAFT

DETROIT WATER & SEWER CURRENT PERIOD BUDGET VERSUS ACTUAL

5/31/2017

INCOME STATEMENT FORECAST

	Water						Sewer					
	5/31/2017			YEAR TO DATE			5/31/2017			YEAR TO DATE		
	BUDGET	ACTUAL	VARIANCE	BUDGET	ACTUAL	VARIANCE	BUDGET	ACTUAL	VARIANCE	BUDGET	ACTUAL	VARIANCE
Sales Revenue												
Retail Domestic MCF Charges	$ 6,166,135	$ 5,883,256	$ (282,879)	$ 64,343,186	$ 63,308,023	$ (1,035,163)	$ 22,969,248	$ 24,220,498	$ 1,251,250	$ 246,302,009	$ 254,997,246	$ 8,695,237
Retail Fixed Charges	2,401,074	2,408,615	7,541	26,411,816	26,506,325	94,510	1,055,726	979,526	(76,200)	11,612,986	10,753,267	(859,719)
Fee's & Penalties	408,369	391,404	(16,965)	4,492,063	3,615,325	(876,738)	431,269	279,203	(152,066)	4,743,954	4,485,089	(258,865)
Less: Bad Debet & NSFs		-	-	-	-	-		-	-	-	-	-
Net Sales Revenue	$ 8,975,579	$ 8,683,275	$ (292,304)	$ 95,247,065	$ 93,429,674	$ (1,817,392)	$ 24,456,243	$ 25,479,227	$ 1,022,984	$ 262,658,950	$ 270,235,603	$ 7,576,653
Controllable Operations & Maintenance												
Personnel	1,086,165	55,789	1,030,376	11,947,819	10,259,420	1,688,399	1,629,248	2,640,519	(1,011,270)	17,921,729	19,723,094	(1,801,365)
Contracted Services	1,304,646	745,000	559,647	13,613,893	12,490,464	1,123,429	1,485,393	1,875,144	(389,751)	15,928,044	10,843,795	5,084,249
Utilities	6,115	-	6,115	67,263	1,592,003	(1,524,740)	111,831	-	111,831	1,230,140	1,762,001	(531,861)
Fringes, Taxes & Other Overhead	659,767	1,075,069	(415,302)	7,257,437	8,993,967	(1,736,530)	482,269	574,153	(91,884)	5,304,962	5,210,643	94,319
Total O&M Charges	$ 3,056,694	$ 1,875,858	$ 1,180,836	$ 32,886,413	$ 33,335,854	$ (449,441)	$ 3,708,741	$ 5,089,816	$ (1,381,075)	$ 40,384,875	$ 37,539,532	$ 2,845,343
Contribution Margin	$ 5,918,885	$ 6,807,417	$ 888,532	$ 62,360,652	$ 60,093,819	$ (2,266,832)	$ 20,747,502	$ 20,389,411	$ (358,091)	$ 222,274,075	$ 232,696,071	$ 10,421,996
Wholesale O&M Allocation												
Monthly Wholesale O&M Charges	1,319,295	1,319,295	-	14,512,248	14,512,248	-	4,319,742	4,319,742	-	47,517,158	55,767,158	(8,250,000)
Depreciation and Amortization	-	-	-	-	-	-	-	-	-	-	-	-
Ownership Equity	(1,180,989)	(1,180,989)	-	(12,990,880)	(12,990,880)	-	(346,157)	(346,157)	-	(3,807,729)	(3,851,626)	43,897
Total Wholesale Rate Charges	$ 138,306	$ 138,306	$ -	$ 1,521,368	$ 1,521,368	$ -	$ 3,973,584	$ 3,973,584	$ -	$ 43,709,429	$ 51,915,532	$ (8,206,103)
Gross Margin	$ 5,780,579	$ 6,669,111	$ 888,532	$ 60,839,284	$ 58,572,452	$ (2,266,832)	$ 16,773,918	$ 16,415,827	$ (358,091)	$ 178,564,646	$ 180,780,539	$ 2,215,893
Shared Services & Other Expenses												
Retail Allocation	414,122	414,122	-	4,555,345	4,555,345	-	850,772	850,772	-	9,358,497	9,358,497	-
Other CTA Allocation	193,598	193,598	-	2,129,578	2,129,578	-	565,727	565,727	-	6,222,995	6,222,995	-
Additonal Cost of Equity	(544,011)	(544,011)	-	(5,984,120)	(5,984,120)	-	(113,509)	(113,509)	-	(1,248,604)	(1,204,707)	(43,897)
Depreciation and Amortization	-	3,675,286	(3,675,286)	-	27,631,688	(27,631,688)		2,302,966	(2,302,966)	-	22,841,866	(22,841,866)
Total Other Operating Expenses	$ 63,709	$ 3,738,995	$ (3,675,286)	$ 700,803	$ 28,332,491	$ (27,631,688)	$ 1,302,990	$ 3,605,956	$ (2,302,966)	$ 14,332,889	$ 37,218,651	$ (22,885,763)
Operating Surplus/(Deficit)	$ 5,716,870	$ 2,930,116	$ (2,786,754)	$ 60,138,481	$ 30,239,960	$ (29,898,521)	$ 15,470,928	$ 12,809,871	$ (2,661,057)	$ 164,231,757	$ 143,561,888	$ (20,669,870)
Non-Operating Expense / (Income)												
Interest Expense	2,487,616	2,487,616	-	27,363,781	27,363,781	-	5,682,213	5,682,213	-	62,504,339	62,504,339	-
Lease Payments	210,824	(1,664,176)	1,875,000	2,319,060	(18,305,936)	20,624,996	995,873	(1,295,794)	2,291,667	10,954,603	(14,253,731)	25,208,334
WRAP Deposits	50,401	50,312	89	554,409	553,432	976	110,128	109,660	468	1,211,412	1,206,261	5,152
ER&R	59,483	59,483	-	654,309	654,309	-	85,374	85,374	-	939,119	939,119	-
B-Note Payment	58,887	58,887	-	647,757	647,757	-	600,536	600,536	-	6,605,895	6,605,895	-
Budget Stabilization Deposits	193,919	31,210	162,709	2,133,107	343,305	1,789,802	196,011	211,167	(15,156)	2,156,122	2,322,833	(166,712)
Total Non-Operating Expenses	$ 3,061,129	$ 1,023,331	$ 2,037,798	$ 33,672,423	$ 11,256,648	$ 22,415,775	$ 7,670,135	$ 5,393,156	$ 2,276,979	$ 84,371,489	$ 59,324,716	$ 25,046,774
Surplus /(Deficit) Before Other Adj.	$ 2,655,740	$ 1,906,784	$ (748,956)	$ 26,466,058	$ 18,983,312	$ (7,482,746)	$ 7,800,792	$ 7,416,715	$ (384,078)	$ 79,860,268	$ 84,237,172	$ 4,376,904
Other Adjustments/(Credit)												
Net Surplus /(Deficit)	$ 2,655,740	$ 1,906,784	$ (748,956)	$ 26,466,058	$ 18,983,312	$ (7,482,746)	$ 7,800,792	$ 7,416,715	$ (384,078)	$ 79,860,268	$ 84,237,172	$ 4,376,904
SBIDA	$ 5,143,357	$ 8,069,687	$ 2,926,330	$ 53,829,839	$ 73,978,781	$ (35,114,435)	$ 13,483,005	$ 15,401,894	$ (2,687,044)	$ 142,364,607	$ 169,583,377	$ (18,464,962)
Memo: % of Net Sales Revenue												
Contribution Margin - Products	65.94%	78.40%	-303.98%	65.47%	64.32%	124.73%	84.84%	80.02%	-35.00%	84.62%	86.11%	137.55%
Gross Margin - Products and Tooling	64.40%	76.80%	-303.98%	63.88%	62.69%	124.73%	68.59%	64.43%	-35.00%	67.98%	66.90%	29.25%
Operating Surplus/(Loss)	63.69%	33.74%	953.38%	63.14%	32.37%	1645.13%	63.26%	50.28%	-260.13%	62.53%	53.12%	-272.81%
Surplus/(Loss) Before Other Adjustments	29.59%	21.96%	256.22%	27.79%	20.32%	411.73%	31.90%	29.11%	-37.54%	30.40%	31.17%	57.77%
Net Surplus/(Loss)	29.59%	21.96%	256.22%	27.79%	20.32%	411.73%	31.90%	29.11%	-37.54%	30.40%	31.17%	57.77%
SBIDA	57.30%	92.93%	-1001.13%	56.52%	79.18%	1932.13%	55.13%	60.45%	-262.67%	54.20%	62.75%	-243.71%

DETROIT WATER & SEWER BUDGET TO FORECAST

FY2017 11+1

	Water						Sewer					
	BUDGET	11+1 FCST	11+1 RISKS	11+1 OPPS.	11+1 RISKS ADJUSTED	11+1 VAR. F/(U)	BUDGET	11+1 FCST	11+1 RISKS	11+1 OPPS.	11+1 RISKS ADJUSTED	11+1 VAR. F/(U)
Sales Revenue												
Retail Domestic MCF Charges	$ 71,246,992	$ 69,909,320	$ (30,000)	$ -	69,879,320	(1,367,672)	$ 271,287,158	$ 278,587,356	$ (863,750)	$ -	277,723,606	6,436,448
Retail Fixed Charges	28,812,890	28,704,099	-	-	28,704,099	(108,790)	12,668,712	11,731,681	-	-	11,731,681	(937,031)
Fee's, Penalties, & Adjustments	4,900,433	4,011,158	-	-	4,011,158	(889,274)	5,175,223	4,901,756	-	-	4,901,756	(273,467)
Less: Bad Debet & NSFs		-	-	-	-	-		-	-	-	-	-
Net Sales Revenue	$ 104,960,314	$ 102,624,578	$ (30,000)	$ -	$ 102,594,578	$ (2,365,737)	$ 289,131,093	$ 295,220,793	$ (863,750)	$ -	$ 294,357,043	$ 5,225,950
Controllable Operations & Maintenance												
Personnel	13,033,985	11,490,161	79,899	(557,353)	11,012,707	2,021,278	19,550,977	21,569,205	59,924	(434,256)	21,194,874	(1,643,896)
Contracted Services	15,074,618	13,746,682	80,000	(400,000)	13,426,682	1,647,936	17,543,802	12,305,778	320,000	(2,040,000)	10,585,778	6,958,024
Utilities	73,378	1,598,118	67,500	-	1,665,618	(1,592,240)	1,341,971	1,831,083	-	-	1,831,083	(489,112)
Fringes, Taxes & Other Overhead	7,917,204	13,642,820	-	-	13,642,820	(5,725,616)	5,787,231	8,651,198	-	-	8,651,198	(2,863,966)
Total O&M Charges	$ 36,099,185	$ 40,477,781	$ 227,399	$ (957,353)	$ 39,747,827	$ (3,648,642)	$ 44,223,982	$ 44,357,264	$ 379,924	$ (2,474,256)	$ 42,262,932	$ 1,961,049
Contribution Margin	$ 68,861,129	$ 62,146,796	$ (257,399)	$ 957,353	$ 62,846,750	$ (6,014,379)	$ 244,907,111	$ 250,863,530	$ (1,243,674)	$ 2,474,256	$ 252,094,111	$ 7,187,000
Wholesale O&M Allocation												
Monthly Wholesale O&M Charges	15,831,543	15,831,543	-	-	15,831,543	-	51,836,900	60,836,900	-	-	60,836,900	(9,000,000)
Depreciation and Amortization	-	-	-	-	-	-	-	-	-	-	-	-
Ownership Equity	(14,171,869)	(14,171,869)	-	-	(14,171,869)	-	(4,153,887)	(4,201,774)	-	-	(4,201,774)	47,887
Total Wholesale Rate Charges	$ 1,659,674	$ 1,659,674	$ -	$ -	$ 1,659,674	$ -	$ 47,683,013	$ 56,635,126	$ -	$ -	$ 56,635,126	$ (8,952,113)
Gross Margin	$ 67,201,455	$ 60,487,122	$ (257,399)	$ 957,353	$ 61,187,076	$ (6,014,379)	$ 197,224,098	$ 194,228,403	$ (1,243,674)	$ 2,474,256	$ 195,458,985	$ (1,765,113)
Shared Services & Other Expenses												
Retail Allocation	4,969,467	4,969,467	-	(2,120,000)	2,849,467	2,120,000	10,209,270	10,209,270	-	(3,180,000)	7,029,270	3,180,000
Other CTA Allocation	2,323,176	2,323,176	480,000	-	2,803,176	(480,000)	6,788,722	6,788,722	720,000	-	7,508,722	(720,000)
Additonal Cost of Equity	(6,528,131)	(6,528,131)	-	-	(6,528,131)	-	(1,362,113)	(1,314,226)	-	-	(1,314,226)	(47,887)
Depreciation and Amortization		30,143,660	-	-	30,143,660	(30,143,660)		24,918,399	-	-	24,918,399	(24,918,399)
Total Other Operating Expenses	$ 764,512	$ 30,908,172	$ 480,000	$ (2,120,000)	$ 29,268,172	$ (28,503,660)	$ 15,635,878	$ 40,602,165	$ 720,000	$ (3,180,000)	$ 38,142,165	$ (22,506,286)
Operating Surplus/(Deficit)	$ 66,436,943	$ 29,578,950	$ (737,399)	$ 3,077,353	$ 31,918,904	$ (34,518,039)	$ 181,588,219	$ 153,626,239	$ (1,963,674)	$ 5,654,256	$ 157,316,820	$ (24,271,399)
Non-Operating Expense / (Income)												
Interest Expense	29,851,397	29,851,397	-	-	29,851,397	-	68,186,552	68,186,552	-	-	68,186,552	-
Lease Payments	2,529,884	(19,970,112)	-	-	(19,970,112)	22,499,996	11,950,476	(15,549,525)	-	-	(15,549,525)	27,500,000
WRAP Deposits	604,809	605,757	-	-	605,757	(948)	1,321,541	1,320,307	-	-	1,320,307	1,234
ER&R	713,792	713,792	-	-	713,792	-	1,024,493	1,024,493	-	-	1,024,493	-
B-Note Payment	706,644	706,644	-	-	706,644	-	7,206,431	7,206,431	-	-	7,206,431	-
Budget Stabilization Deposits	2,327,026	374,514	-	-	374,514	1,952,511	2,352,133	2,534,000	-	-	2,534,000	(181,867)
Total Non-Operating Expenses	$ 36,733,552	$ 12,281,992	$ -	$ -	$ 12,281,992	$ 24,451,560	$ 92,041,625	$ 64,722,258	$ -	$ -	$ 64,722,258	$ 27,319,367
Surplus /(Deficit) Before Other Adj.	$ 29,703,391	$ 17,296,958	$ (737,399)	$ 3,077,353	$ 19,636,912	$ (10,066,479)	$ 89,546,595	$ 88,903,981	$ (1,963,674)	$ 5,654,256	$ 92,594,562	$ 3,047,967
Other Adjustments/(Credit)												
Net Surplus /(Deficit)	$ 29,703,391	$ 17,296,958	$ (737,399)	$ 3,077,353	$ 19,636,912	$ (10,066,479)	$ 89,546,595	$ 88,903,981	$ (1,963,674)	$ 5,654,256	$ 92,594,562	$ 3,047,967
SBIDA	$ 59,554,788	$ 77,292,015	$ (737,399)	$ 3,077,353	$ 79,631,969	$ 20,077,181	$ 157,733,146	$ 182,008,931	$ (1,963,674)	$ 5,654,256	$ 185,699,513	$ 27,966,367
Beginning Reserves	$ -	$ -					$ -	$ -	-	-		
Transition Cash	-	25,903,416	-	-	25,903,416	25,903,416	-	21,324,408	-	-	21,324,408	21,324,408
Capital Spending	-	(71,125,090)	-	-	(71,125,090)	(71,125,090)	-	(21,402,900)	-	-	(21,402,900)	(21,402,900)
New Borrowings	-	57,002,828	-	-	57,002,828	57,002,828			-	-		
Actual Debt Payments	(45,195,714)	(43,951,596)	-	-	(43,951,596)	1,244,119	(121,809,319)	(121,851,791)	-	-	(121,851,791)	(42,471)
Change in Receivables Net of Write-Offs	(12,261,123)	6,612,533	-	-	6,612,533	18,873,656	(29,061,230)	(24,691,628)	-	-	(24,691,628)	4,369,601
Ending Reserves	$ 2,097,950	$ 51,734,106	$ (737,399)	$ 3,077,353	$ 54,074,060	51,976,110	$ 6,862,597	$ 35,387,021	$ (1,963,674)	$ 5,654,256	$ 39,077,602	32,215,005

(1) Unaccounted for expenses

(2) Unaccrued Operating Pension Expense

DETROIT WATER & SEWER 5-YEAR FORECAST

FY2017 - FY2020

INCOME STATEMENT FORECAST

	Water							Sewer						
	YTD 2017	Remaing Proj. 2017	FY Forecast 11+1	FORECAST 2018	2019	2020	2021	YTD 2017	Remaing Proj. 2017	11+1	2018	2019	2020	2021
Sales Revenue														
Retail Domestic MCF Charges	$ 63,308,023	$ 6,601,297	$ 69,909,320	$ 65,935,311	$ 62,014,084	$ 60,659,097	$ 59,333,717	$ 254,997,246	$ 23,590,110	$ 278,587,356	$ 244,566,043	$ 239,651,530	$ 239,342,811	$ 239,109,294
Retail Fixed Charges	26,506,325	2,197,774	28,704,099	26,373,289	26,373,289	27,428,221	28,525,350	10,753,267	978,414	11,731,681	11,740,967	11,740,967	12,210,605	12,699,030
Fee's, Penalties, & Adjustments	3,615,325	395,833	4,011,158	4,750,000	4,750,000	4,750,000	4,750,000	4,485,089	416,667	4,901,756	5,000,000	5,000,000	5,000,000	5,000,000
Less: Bad Debet & NSFs		-	-	-	-	-	-		-	-	-	-	-	-
Net Sales Revenue	$ 93,429,674	$ 9,194,904	$ 102,624,578	$ 97,058,601	$ 93,137,373	$ 92,837,318	$ 92,609,066	$ 270,235,603	$ 24,985,190	$ 295,220,793	$ 261,307,010	$ 256,392,497	$ 256,553,416	$ 256,808,323
Controllable Operations & Maintenance														
Personnel	10,259,420	1,230,741	11,490,161	17,214,439	17,558,250	17,822,832	18,064,600	19,723,094	1,846,112	21,569,205	25,821,658	26,337,375	26,734,248	27,096,900
Contracted Services	12,490,464	1,256,218	13,746,682	10,414,108	10,414,108	10,414,108	10,414,108	10,843,795	1,461,984	12,305,778	23,009,139	23,009,139	23,009,139	23,009,139
Utilities	1,592,003	6,115	1,598,118	2,499,260	2,549,245	2,600,230	2,652,235	1,762,001	69,081	1,831,083	3,748,890	3,823,868	3,900,345	3,978,352
Fringes, Taxes & Other Overhead	8,993,967	4,648,853	13,642,820	8,894,339	8,894,339	8,894,339	8,894,339	5,210,643	3,440,555	8,651,198	9,809,058	9,809,058	9,809,058	9,809,058
Total O&M Charges	$ 33,335,854	$ 7,141,927	$ 40,477,781	$ 39,022,146	$ 39,415,942	$ 39,731,509	$ 40,025,282	$ 37,539,532	$ 6,817,731	$ 44,357,264	$ 62,388,745	$ 62,979,441	$ 63,452,790	$ 63,893,450
Contribution Margin	$ 60,093,819	$ 2,052,977	$ 62,146,796	$ 58,036,455	$ 53,721,431	$ 53,105,809	$ 52,583,785	$ 232,696,071	$ 18,167,459	$ 250,863,530	$ 198,918,264	$ 193,413,056	$ 193,100,626	$ 192,914,874
Wholesale O&M Allocation														
Monthly Wholesale O&M Charges	14,512,248	1,319,295	15,831,543	14,522,110	15,102,995	15,707,115	16,335,399	55,767,158	5,069,742	60,836,900	60,144,496	62,550,276	65,052,287	67,654,378
Depreciation and Amortization	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ownership Equity	(12,990,880)	(1,180,989)	(14,171,869)	(13,525,417)	(13,097,870)	(12,711,507)	(12,360,906)	(3,851,626)	(350,148)	(4,201,774)	(4,465,488)	(4,269,433)	(4,096,496)	(3,942,926)
Total Wholesale Rate Charges	$ 1,521,368	$ 138,306	$ 1,659,674	$ 996,694	$ 2,005,125	$ 2,995,608	$ 3,974,493	$ 51,915,532	$ 4,719,594	$ 56,635,126	$ 55,679,008	$ 58,280,843	$ 60,955,791	$ 63,711,452
Gross Margin	$ 58,572,452	$ 1,914,671	$ 60,487,122	$ 57,039,762	$ 51,716,306	$ 50,110,201	$ 48,609,291	$ 180,780,539	$ 13,447,865	$ 194,228,403	$ 143,239,257	$ 135,132,213	$ 132,144,835	$ 129,203,422
Shared Services & Other Expenses														
Retail Allocation	4,555,345	414,122	4,969,467	5,168,246	5,374,976	5,589,975	5,813,574	9,358,497	850,772	10,209,270	10,454,065	10,953,448	11,472,806	12,012,939
Other CTA Allocation	2,129,578	193,598	2,323,176	2,535,035	3,390,948	4,281,096	5,206,851	6,222,995	565,727	6,788,722	1,664,501	5,279,157	9,038,399	12,948,011
Additonal Cost of Equity	(5,984,120)	(544,011)	(6,528,131)	(7,174,583)	(7,602,130)	(7,988,493)	(8,339,094)	(1,204,707)	(109,519)	(1,314,226)	(1,050,512)	(1,246,567)	(1,419,504)	(1,573,074)
Depreciation and Amortization	27,631,688	2,511,972	30,143,660	30,143,660	30,143,660	30,143,660	30,143,660	22,841,866	2,076,533	24,918,399	24,918,399	24,918,399	24,918,399	24,918,399
Total Other Operating Expenses	$ 28,332,491	$ 2,575,681	$ 30,908,172	$ 30,672,358	$ 31,307,454	$ 32,026,238	$ 32,824,991	$ 37,218,651	$ 3,383,514	$ 40,602,165	$ 35,986,454	$ 39,904,437	$ 44,010,100	$ 48,306,275
Operating Surplus/(Deficit)	$ 30,239,960	$ (661,010)	$ 29,578,950	$ 26,367,404	$ 20,408,853	$ 18,083,964	$ 15,784,301	$ 143,561,888	$ 10,064,351	$ 153,626,239	$ 107,252,803	$ 95,227,776	$ 88,134,734	$ 80,897,147
Non-Operating Expense / (Income)														
Interest Expense	27,363,781	2,487,616	29,851,397	33,706,204	32,944,190	32,084,914	31,078,086	62,504,339	5,682,213	68,186,552	67,997,667	66,427,334	65,124,686	63,584,126
Lease Payments	(18,305,936)	(1,664,176)	(19,970,112)	(19,970,116)	(19,970,116)	(19,970,116)	(19,970,116)	(14,253,731)	(1,295,794)	(15,549,525)	(16,358,761)	(16,358,761)	(16,358,761)	(16,358,761)
WRAP Deposits	553,432	52,325	605,757	988,793	1,388,793	1,412,345	1,412,345	1,206,261	114,046	1,320,307	1,934,115	2,535,698	2,544,039	2,544,126
ER&R	654,309	59,483	713,792	52,200	11,814	-	-	939,119	85,374	1,024,493	414,100	17,721	-	-
B-Note Payment	647,757	58,887	706,644	706,644	706,644	706,644	706,644	6,605,895	600,536	7,206,431	4,082,500	4,082,500	4,082,500	4,082,500
Budget Stabilization Deposits	343,305	31,210	374,514	(2,629,460)	-	-	-	2,322,833	211,167	2,534,000	(4,480,961)	-	-	-
Total Non-Operating Expenses	$ 11,256,648	$ 1,025,344	$ 12,281,992	$ 12,854,265	$ 15,081,325	$ 14,233,787	$ 13,226,959	$ 59,324,716	$ 5,397,542	$ 64,722,258	$ 53,588,660	$ 56,704,491	$ 55,392,463	$ 53,851,991
Surplus /(Deficit) Before Other Adj.	$ 18,983,312	$ (1,686,354)	$ 17,296,958	$ 13,513,138	$ 5,327,527	$ 3,850,176	$ 2,557,342	$ 84,237,172	$ 4,666,809	$ 88,903,981	$ 53,664,143	$ 38,523,285	$ 32,742,271	$ 27,045,155
Other Adjustments/(Credit)														
Net Surplus /(Deficit)	$ 18,983,312	$ (1,686,354)	$ 17,296,958	$ 13,513,138	$ 5,327,527	$ 3,850,176	$ 2,557,342	$ 84,237,172	$ 4,666,809	$ 88,903,981	$ 53,664,143	$ 38,523,285	$ 32,742,271	$ 27,045,155
SBIDA	$ 73,978,781	$ 3,313,234	$ 77,292,015	$ 77,363,003	$ 68,415,378	$ 66,078,751	$ 63,779,088	$ 169,583,377	$ 12,425,555	$ 182,008,931	$ 146,580,209	$ 129,869,017	$ 122,785,356	$ 115,547,681
Memo: % of Net Sales Revenue														
Contribution Margin - Products	64.32%	22.33%	60.56%	59.80%	57.68%	57.20%	56.78%	86.11%	72.71%	84.97%	76.12%	75.44%	75.27%	75.12%
Gross Margin - Products and Tooling	62.69%	20.82%	58.94%	58.77%	55.53%	53.98%	52.49%	66.90%	53.82%	65.79%	54.82%	52.71%	51.51%	50.31%
Operating Surplus/(Loss)	32.37%	-7.19%	28.82%	27.17%	21.91%	19.48%	17.04%	53.12%	40.28%	52.04%	41.04%	37.14%	34.35%	31.50%
Surplus/(Loss) Before Other Adjustments	20.32%	-18.34%	16.85%	13.92%	5.72%	4.15%	2.76%	31.17%	18.68%	30.11%	20.54%	15.03%	12.76%	10.53%
Net Surplus/(Loss)	20.32%	-18.34%	16.85%	13.92%	5.72%	4.15%	2.76%	31.17%	18.68%	30.11%	20.54%	15.03%	12.76%	10.53%
SBIDA	79.18%	36.03%	75.32%	79.71%	73.46%	71.18%	68.87%	62.75%	49.73%	61.65%	56.10%	50.65%	47.86%	44.99%

DETROIT WATER & SEWER 5-YEAR FORECAST

CASHFLOW STATEMENT FORECAST

	Water							Sewer						
	YTD 2017	FCST 2017	FY Forecast 11+1	FORECAST 2018	2019	2020	2021	YTD 2017	FCST 2017	11+1	2018	2019	2020	2021
Beginning Cash	$ 25,903,416	$ 93,860,879	$ 25,903,416	41,876,468	40,668,751	4,480,345	(25,826,698)	$ 21,324,408	$ 24,998,986	$ 21,324,408	30,412,880	48,451,343	31,583,907	(2,921,427)
Cashflow From Operating Activities														
Net Operating Surplus / (Deficit)	$ 30,239,960	$ (661,010)	$ 29,578,950	$ 26,367,404	$ 20,408,853	$ 18,083,964	$ 15,784,301	$ 143,561,888	$ 10,064,351	$ 153,626,239	$ 107,252,803	$ 95,227,776	$ 88,134,734	$ 80,897,147
Transfers to GLWA	(49,018,798)	(8,911,936)	(57,930,734)	(36,426,739)	(26,671,900)	(22,406,846)	(17,742,290)	(43,514,952)	(8,807,824)	(52,322,776)	(46,814,309)	(30,967,107)	(23,231,988)	(17,322,494)
Transfers from GLWA	27,074,389	12,033,062	39,107,451	57,845,429	36,820,536	26,987,466	22,700,619	33,167,986	14,741,327	47,909,313	66,802,208	47,405,005	31,440,457	23,672,647
Depreciation / Amortization	27,631,688	2,511,972	30,143,660	30,143,660	30,143,660	30,143,660	30,143,660	22,841,866	2,076,533	24,918,399	24,918,399	24,918,399	24,918,399	24,918,399
Change In Retail Receivables	4,405,759	2,206,774	6,612,533	(7,408,815)	(8,056,851)	(8,507,097)	(8,495,528)	(21,131,166)	(3,560,462)	(24,691,628)	(20,000,130)	(19,553,914)	(20,532,520)	(20,568,695)
Change in Inventory & Prepaids	2,784,019	-	2,784,019	-	-	-	-	(3,010,829)	-	(3,010,829)	-	-	-	-
Change in Other Long Term Assets	4,464,523	-	4,464,523	-	-	-	-	5,624,493	-	5,624,493	-	-	-	-
Change in Payables (Short & Long Term)	2,604,628	-	2,604,628	-	-	-	-	(7,700,964)	-	(7,700,964)	-	-	-	-
Other Adjustments	(887,526)	-	(887,526)	-	-	-	-	4,526,622	-	4,526,622	-	-	-	-
Net Cashflow From Operating Activites	$ 49,298,643	$ 7,178,862	$ 56,477,505	$ 70,520,938	$ 52,644,297	$ 44,301,147	$ 42,390,761	$ 134,364,944	$ 14,513,925	$ 148,878,869	$ 132,158,971	$ 117,030,159	$ 100,729,082	$ 91,597,004
Cashflow From Investing Activites														
CAPEX	(10,499,545)	(60,625,545)	(71,125,090)	(42,531,000)	(56,093,000)	(40,063,000)	(38,240,000)	(12,018,198)	(9,384,702)	(21,402,900)	(13,875,000)	(28,793,000)	(29,993,000)	(29,993,000)
Lease Payment (Gross)	18,750,000	3,750,000	22,500,000	22,500,000	22,500,000	22,500,000	22,500,000	20,625,000	6,875,000	27,500,000	27,500,000	27,500,000	27,500,000	27,500,000
Extraordinary Repair & Replacement Deposits	(654,309)	(59,483)	(713,792)	(52,200)	(11,814)	-	-	(939,119)	(85,374)	(1,024,493)	(414,100)	(17,721)	-	-
Sale of Capital Assets														
Purchase of Securities														
Sale of Securities														
Net Cashflow From Investing Activities	$ 7,596,146	$ (56,935,028)	$ (49,338,882)	$ (20,083,200)	$ (33,604,814)	$ (17,563,000)	$ (15,740,000)	$ 7,667,683	$ (2,595,076)	$ 5,072,607	$ 13,210,900	$ (1,310,721)	$ (2,493,000)	$ (2,493,000)
Cashflow From Financing Activities														
Senior Principal Payments	(28,219,402)	-	(28,219,402)	(34,516,188)	(32,780,919)	(29,080,794)	(31,196,877)	(78,345,727)	-	(78,345,727)	(69,257,571)	(69,789,501)	(69,237,872)	(67,702,268)
2nd Lien Principal Payments	(14,183,462)	-	(14,183,462)	(11,390,263)	(13,006,069)	(18,204,899)	(18,771,778)	(24,594,254)	-	(24,594,254)	(24,259,720)	(23,886,304)	(24,558,028)	(25,132,659)
Junior Lien Principal Payments	(1,548,731)	-	(1,548,731)	(1,182,143)	(1,854,582)	(2,149,624)	(2,136,895)	(18,911,809)	-	(18,911,809)	(21,137,224)	(21,151,632)	(21,177,738)	(21,215,014)
New DWSDR Borrowings	57,002,828	-	57,002,828	(2,961,000)	(2,961,000)	(2,961,000)	(2,961,000)	-	-	-	-	-	-	-
Lease Payment (Retail Portion)	(444,064)	(2,085,824)	(2,529,888)	(2,529,884)	(2,529,884)	(2,529,884)	(2,529,884)	(6,371,269)	(5,579,206)	(11,950,475)	(11,141,239)	(11,141,239)	(11,141,239)	(11,141,239)
WRAP Payments	(553,432)	(52,325)	(605,757)	(988,793)	(1,388,793)	(1,412,345)	(1,412,345)	(1,206,261)	(114,046)	(1,320,307)	(1,934,115)	(2,535,698)	(2,544,039)	(2,544,126)
B-Note Payment	(647,757)	(58,887)	(706,644)	(706,644)	(706,644)	(706,644)	(706,644)	(6,605,895)	(600,536)	(7,206,431)	(4,082,500)	(4,082,500)	(4,082,500)	(4,082,500)
Budget Stablization Requirements	(343,305)	(31,210)	(374,514)	2,629,460	-	-	-	(2,322,833)	(211,167)	(2,534,000)	4,480,961	-	-	-
Total Wholesale Rate Charges	$ 11,062,674	$ (2,228,245)	$ 8,834,429	$ (51,645,455)	$ (55,227,890)	$ (57,045,189)	$ (59,715,424)	$ (138,358,049)	$ (6,504,955)	$ (144,863,004)	$ (127,331,408)	$ (132,586,874)	$ (132,741,416)	$ (131,817,806)
Total Increase / (Decrease) In Cash Balanaces	$ 67,957,463	$ (51,984,411)	$ 15,973,052	$ (1,207,717)	$ (36,188,407)	$ (30,307,043)	$ (33,064,663)	$ 3,674,578	$ 5,413,894	$ 9,088,472	$ 18,038,463	$ (16,867,436)	$ (34,505,334)	$ (42,713,802)
Ending Cash	$ 93,860,879	41,876,468	41,876,468	40,668,751	4,480,345	(25,826,698)	(58,891,361)	$ 24,998,986	30,412,880	30,412,880	48,451,343	31,583,907	(2,921,427)	(45,635,229)