

**City and County of Denver
Department of Public Works
Wastewater Management Division**

**Total Wastewater Enterprise
Cash Flow
(cash basis)**

Line No.	Description	Actuals	Projected					
		2014	2015	2016	2017	2018	2019	2020
1	Revenue Adjustment – Storm Drainage	2.8%	2.7%	11.0%	11.0%	11.0%	10.0%	10.0%
2	Revenue Adjustment – Sanitary Sewer	2.8%	2.7%	5.0%	5.0%	4.0%	4.0%	4.0%
3	Income							
4	Storm Drainage Service Revenue	\$37,796,498	\$39,344,127	\$42,353,038	\$49,710,041	\$55,454,037	\$61,304,437	\$67,772,056
5	Sanitary Sewer Service Revenue	79,375,623	82,033,827	84,505,096	91,348,978	95,477,952	99,793,556	104,304,224
6	Other Revenue	3,633,674	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000
7	Interest	833,274	572,485	368,657	607,286	296,477	644,631	367,581
8	Total Income	121,639,069	124,700,439	129,976,791	144,416,306	153,978,466	164,492,624	175,193,860
9	Total O&M Expenses	85,056,596	92,879,541	95,651,186	100,565,145	105,715,096	111,979,073	118,937,238
10	Net Revenue Available for Debt Service	36,582,473	31,820,898	34,325,605	43,851,160	48,263,369	52,513,551	56,256,622
11	Debt Service							
12	Existing Bond Debt Service	4,333,675	4,329,175	4,328,425	4,330,925	4,321,125	4,316,925	4,302,925
13	New Bond Debt Service	0	0	0	7,110,100	7,109,600	14,581,725	14,583,800
14	Total Debt Service	4,333,675	4,329,175	4,328,425	11,441,025	11,430,725	18,898,650	18,886,725
15	Capital Expenditures							
16	2014 Exp. Paid in 2015, 2015 Exp. Paid in 2016	9,162,860	10,000,000	0	0	0	0	0
17	Equipment Replacement	0	0	0	0	0	0	0
18	CIP Projects	25,625,433	18,229,239	102,879,882	100,575,888	91,725,981	92,557,235	50,576,912
19	Total Capital Expenditures	34,788,293	28,229,239	102,879,882	100,575,888	91,725,981	92,557,235	50,576,912
20	Capital Funding							
21	Net Bond Proceeds	0	0	115,000,000	0	121,000,000	0	0
22	Grants	0	0	0	0	0	0	0
23	COP	0	3,755,198	3,755,198	0	0	0	0
24	Remaining 2012 Series Bond Proceeds	12,165,745	4,380,440	0	0	0	0	0
25	Participating Agencies	0	774,091	3,000,000	0	0	0	0
26	UDFCD Reimbursement	0	0	4,244,855	4,387,940	1,900,000	1,900,000	1,900,000
27	Sanitary Availability Fee	1,631,539	1,600,000	1,608,000	1,616,040	1,624,120	1,632,241	1,640,402
28	Total Capital Funding Sources	13,797,284	10,509,729	127,608,053	6,003,980	124,524,120	3,532,241	3,540,402
29	Net Cash Flow	11,257,789	9,772,213	54,725,351	(62,161,773)	69,630,783	(55,410,093)	(9,666,613)
30	Beginning of Year Cash (1)	0	56,959,637	66,731,850	121,457,200	59,295,427	128,926,210	73,516,117
31	End of Year Cash		66,731,850	121,457,200	59,295,427	128,926,210	73,516,117	63,849,504
32	Reserves and Unspent Bond Proceeds		0	(46,000,000)	0	(60,500,000)	0	0
33	End of Year Cash - Unrestricted	\$56,959,637	\$66,731,850	\$75,457,200	\$59,295,427	\$68,426,210	\$73,516,117	\$63,849,504
34	Cash Reserve - Target 25% of O&M	67%	72%	79%	59%	65%	66%	54%
35	Target Reserve (25% of O&M)	\$ 21,264,000	\$ 23,220,000	\$ 23,913,000	\$ 25,141,000	\$ 26,429,000	\$ 27,995,000	\$ 29,734,000
36	DSC – Annual Debt Service - Target 175%	844%	735%	793%	383%	422%	278%	298%

(1) 2015 Total Beginning (Unrestricted) of year cash balance of \$56,959,637 is based on \$71,106,665 less restricted funds of 2012 Unspent Bond Proceeds of \$4,426,077, COP of \$7,510,395 and debt service reserve of \$2,210,555

**City of Denver
Wastewater Financial Plan
Sanitary Sewer
Operations Subfund Cash Flow**

Line No.	Description	Actuals	Projected					
		2014	2015	2016	2017	2018	2019	2020
1	Operating Income							
2	Sanitary Sewer Service Revenue	\$79,375,623	\$82,033,827	\$84,505,096	\$91,348,978	\$95,477,952	\$99,793,556	\$104,304,224
3	Industrial Waste Surcharge	0	0	0	0	0	0	0
4	Other Revenue	2,457,785	2,050,000	2,050,000	2,050,000	2,050,000	2,050,000	2,050,000
5	Interest Income	585,458	318,278	176,133	157,606	191,439	233,390	248,241
6	Total Operating Income	82,418,866	84,402,105	86,731,229	93,556,584	97,719,391	102,076,945	106,602,465
7	Operating Expenditures							
8	O&M Expenses	21,518,581	23,129,502	23,719,618	24,668,403	25,655,139	26,681,344	27,748,598
9	O&M Renewal & Replacement	0	490,000	1,400,000	840,000	175,000	0	0
10	Change in O&M Expenses	0	0	0	0	0	0	0
11	Denver Water Billing System Costs	816,000	2,281,814	2,373,087	2,468,010	2,566,730	2,669,400	2,776,176
12	Sewage Charges (Metro Dist No 1)	44,200,243	48,872,825	49,197,801	53,133,625	57,384,315	61,975,060	66,933,065
13	Total Operating Expenditures	66,534,824	74,774,141	76,690,506	81,110,038	85,781,184	91,325,804	97,457,839
14	Net Operating Income	15,884,042	9,627,964	10,040,723	12,446,547	11,938,207	10,751,141	9,144,626
15	Debt Service							
16	Existing Bond Debt Service	0	0	0	0	0	0	0
17	New Bond Debt Service	0	0	0	0	0	0	0
18	Total Debt Service	0	0	0	0	0	0	0
19	Less: Transfer to Capital Improvement Subfund	4,163,578	1,347,000	13,746,000	5,680,000	3,548,000	7,781,000	11,845,000
20	Less: Transfer to Other City Funds	0	0	0	0	0	0	0
21	Transfer from Storm Operations Subfund	0	0	0	0	0	0	0
22	Net Cashflow	11,720,464	8,280,964	(3,705,277)	6,766,547	8,390,207	2,970,141	(2,700,374)
23	Beginning of Year Cash [1]		26,945,538	35,226,502	31,521,225	38,287,772	46,677,978	49,648,119
24	End of Year Cash	26,945,538	35,226,502	31,521,225	38,287,772	46,677,978	49,648,119	46,947,745
25	Reserves	0	0	0	0	0	0	0
26	End of Year Cash - Unrestricted	\$26,945,538	\$35,226,502	\$31,521,225	\$38,287,772	\$46,677,978	\$49,648,119	\$46,947,745
27	Cash Reserve - Target 25%	40%	47%	41%	47%	54%	54%	48%
28	Cash Reserve Target (\$ at 25%)	\$ 16,633,706	\$ 18,693,535	\$ 19,172,626	\$ 20,277,509	\$ 21,445,296	\$ 22,831,451	\$ 24,364,460
29	DSC – Annual Debt Service	NA	NA	NA	NA	NA	NA	NA

[1] Total cash of \$17,600,000 minus \$2,864,993 due to other funds.

**City of Denver
Stormwater Financial Plan
Storm Drainage
Operations Subfund Cash Flow**

Line No.	Description	Actuals	Projected					
		2014	2015	2016	2017	2018	2019	2020
1	Operating Income							
2	Stormwater Service Revenue	\$37,796,498	\$39,344,127	\$42,353,038	\$49,710,041	\$55,454,037	\$61,304,437	\$67,772,056
3	Other Revenue	1,175,889	700,000	700,000	700,000	700,000	700,000	700,000
4	Interest Income	247,817	181,183	192,525	219,676	105,035	108,740	119,340
5	Total Operating Income	39,220,204	40,225,310	43,245,562	50,629,718	56,259,072	62,113,177	68,591,395
6	Operating Expenditures							
7	Street Maintenance & Parks	4,747,731	4,395,400	4,509,680	4,690,068	4,877,670	5,072,777	5,275,688
8	Other Inter-fund chg/servs	274,041	0	0	0	0	0	0
9	O&M Renewal & Replacement	0	210,000	600,000	360,000	75,000	0	0
10	Change in O&M Expenses							
11	Storm Portion of Sanitary Sewer O&M [1]	13,500,000	13,500,000	13,851,000	14,405,040	14,981,242	15,580,491	16,203,711
12	Unused	0	0	0	0	0	0	0
13	Total Operating Expenditures	18,521,772	18,105,400	18,960,680	19,455,108	19,933,912	20,653,268	21,479,399
14	Net Revenue Available for Debt Service	20,698,431	22,119,910	24,284,882	31,174,610	36,325,160	41,459,909	47,111,996
15	Debt Service							
16	Existing Bond Debt Service	4,333,675	4,329,175	4,328,425	4,330,925	4,321,125	4,316,925	4,302,925
17	Proposed Bond Debt Service		0	0	7,110,100	7,109,600	14,581,725	14,583,800
18	Total Debt Service	4,333,675	4,329,175	4,328,425	11,441,025	11,430,725	18,898,650	18,886,725
19	Transfer to Sewer Operations Subfund	0	0	0	0	0	0	0
20	Transfer to Capital Improvement Subfund	15,893,838	0	15,333,151	42,661,739	24,153,562	20,441,254	35,191,584
21	Net Cashflow	470,918	17,790,735	4,623,306	(22,928,154)	740,873	2,120,005	(6,966,313)
22	Beginning of Year Cash [2]		21,521,208	39,311,943	43,935,249	21,007,095	21,747,968	23,867,972
23	End of Year Cash	21,521,208	39,311,943	43,935,249	21,007,095	21,747,968	23,867,972	16,901,660
24	Reserves	0	0	0	0	0	0	0
25	End of Year Cash - Unrestricted	21,521,208	\$39,311,943	\$43,935,249	\$21,007,095	\$21,747,968	\$23,867,972	\$16,901,660
26	Cash Reserve Target (25%)	116%	217%	232%	108%	109%	116%	79%
27	Cash Reserve Target (\$ at 25%)	4,630,443	4,526,350	4,740,170	4,863,777	4,983,478	5,163,317	5,369,850
28	DSC – Annual Debt Service	478%	511%	561%	272%	318%	219%	249%

[1] Combined sanitary sewer and storm drainage O&M expenses allocated to storm drainage per City staff. Amount adjusted for inflation.

[2] Total cash of \$22,738,510 minus construction payable of \$2,864,993.