

**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.