

DOWNERS GROVE SANITARY DISTRICT  
FIVE YEAR FINANCIAL PLAN  
FISCAL YEARS 2018-2019 TO 2022-2023

Approved 03/20/18

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## Introduction

This five year plan presents recommended expenditures and revenues necessary to meet the operation, maintenance, replacement, capital improvement and debt service requirements of the District over the five year period from May 1, 2018 to April 30, 2023. The plan contains separate projections for the combined general corporate and replacement funds (operation, maintenance and replacement needs), the construction fund (Wastewater Treatment Center capital improvements), the improvement fund (sewer system and pump station capital improvements) and the public benefit fund. A brief overview of each of these separate projections is provided below.

General Corporate Fund – This plan treats the replacement fund as a restricted portion of the general corporate fund. The balance in the replacement fund is maintained throughout the five year period at the April 30, 1991 level of \$820,000. This treatment allows major replacements to be included in the operation and maintenance budget of the general corporate fund, allows all interest earned on the replacement fund to be fully utilized, and applies the balance in the replacement fund towards meeting the minimum recommended working balance in the general corporate fund.

The plan includes expenditures for the replacement and rehabilitation of the wastewater collection system, including building service repairs to help control sewer system backups and overflows. The goal is to sustain annual replacement and rehabilitation expenses at a level equal to 1.0% of the replacement value of the sewer infrastructure. Sewer rehabilitation and replacement costs are sustained at the 1.0% level on an ongoing basis. Expenses include the portion of ARRA loan repayments to the Illinois Environmental Protection Agency (IEPA) associated with sewer rehabilitation work previously conducted with ARRA loan funding.

Planned replacements and major maintenance items for non-sewer fixed assets necessary for continued reliable operation are identified. FY 18-19 non-sewer annual replacement, rehabilitation and upgrade expenses represent about 94% of the FY 16-17 annual depreciation of non-sewer fixed assets.

The user rate is proposed to remain at the current level for FY 18-19 through FY 22-23. Monthly service fees are proposed to increase from \$15.00 to \$16.00 for FY 18-19, and to increase \$1.00 each of the following two years, and increase \$1.50 in FY 21-22 and again in FY 22-23. This accommodates the desired levels of sewer system replacement and rehabilitation expenditures while keeping up with inflation. Other user charges such as surcharge and sampling and monitoring charges will increase as the cost to provide services increases with inflation.

Construction Fund – The primary source of revenue to the construction fund is sewer permit fees. These fees are utilized for improvements and additions at the WWTC and for the repayment of loans from the IEPA. Revenues are accumulated for the next major expansion of WWTC capacity, purchase of adjacent property, or other capital improvements that upgrade the facility. The plan anticipates receipt of grant funding associated with recent energy-related improvements.

Improvement Fund – The primary sources of revenue to the improvement fund are trunk and lateral sewer service charges. The plan proposes to pay for sewer system additions from this fund. Revenues are accumulated for sewer and lift station capital improvements. This fund is

used to finance special assessments extending sewers into unsewered areas, with funds repaid by the owners of properties benefited by the new sewers using vouchers. Completion of the renovation of the Liberty Park Lift Station is anticipated in FY 18-19.

Public Benefit Fund – The public benefit fund may only be used to pay for the portion of sewer extensions or sewer special assessments which the Board of Trustees deems to be of benefit to an area larger than the immediate service area.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2018-2019 to 2022-2023

EXHIBIT 1

|                                | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 18-19<br>Appropriation | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 11. Administration             |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| A. Salary & Wages              |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 001. Trustees                  | \$17,136           | \$18,000           | \$18,000           | \$18,000           | \$18,000           | \$18,000                        | \$18,000           |                           | \$18,000              | \$18,000              | \$18,000              | \$18,000              |
| 002. B.O.L.I.                  | 0                  | 0                  | 0                  | 0                  | 900                | 0                               | 900                |                           | 900                   | 900                   | 900                   | 900                   |
| 003. General Management        | 222,560            | 223,146            | 213,764            | 220,051            | 257,050            | 220,132                         | 265,500            |                           | 324,750               | 284,400               | 294,350               | 304,650               |
| 004. Financial Records         | 190,282            | 199,147            | 209,439            | 181,647            | 179,450            | 187,202                         | 186,600            |                           | 193,150               | 199,900               | 206,900               | 214,150               |
| 005. Administrative Records    | 49,383             | 50,180             | 39,398             | 42,091             | 56,100             | 51,285                          | 60,200             |                           | 62,300                | 64,500                | 66,750                | 69,100                |
| 007. Code Enforcement          | 272,694            | 278,126            | 302,401            | 306,940            | 311,700            | 341,639                         | 340,000            |                           | 305,000               | 315,700               | 326,750               | 338,150               |
| 008. Safety Activities         | 2,236              | 1,809              | 1,747              | 784                | 2,350              | 626                             | 2,500              |                           | 2,600                 | 2,700                 | 2,800                 | 2,900                 |
| 030. Building & Grounds        | 1,145              | 4,781              | 5,661              | 5,629              | 0                  | 1,580                           | 0                  |                           | 0                     | 0                     | 0                     | 0                     |
| Subtotal                       | \$755,436          | \$775,190          | \$790,410          | \$775,142          | \$825,550          | \$820,464                       | \$873,700          | \$1,000,000               | \$906,700             | \$886,100             | \$916,450             | \$947,850             |
| B. Operation & Maintenance     |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 100. Electricity               | \$3,760            | \$3,990            | \$3,733            | \$3,228            | \$4,000            | \$2,962                         | \$4,000            |                           | \$4,250               | \$4,500               | \$4,750               | \$5,050               |
| 101. Natural Gas               | 1,494              | 2,487              | 647                | 1,053              | 3,000              | 1,778                           | 3,000              |                           | 3,100                 | 3,200                 | 3,300                 | 3,400                 |
| 102. Water, Garbage, Other     | 852                | 548                | 817                | 858                | 1,000              | 1,677                           | 1,150              |                           | 1,200                 | 1,250                 | 1,300                 | 1,350                 |
| 110. Bank Charges              | 19,315             | 20,316             | 21,652             | 16,000             | 21,250             | 17,493                          | 19,200             |                           | 19,600                | 20,000                | 20,400                | 20,800                |
| 112. Communication             | 14,393             | 14,643             | 13,874             | 16,413             | 18,000             | 15,210                          | 16,000             |                           | 16,300                | 16,700                | 16,900                | 17,300                |
| 115. Eqpt/Eqpt Repair          | 78,172             | 116,167            | 74,037             | 103,498            | 100,000            | 94,923                          | 108,000            |                           | 76,000                | 97,000                | 86,100                | 107,900               |
| 116. Supplies                  | 9,591              | 8,467              | 3,395              | 5,741              | 7,800              | 6,544                           | 7,600              |                           | 8,100                 | 7,300                 | 7,750                 | 7,400                 |
| 117. Employee/Duty Costs       | 11,940             | 10,929             | 19,724             | 16,052             | 14,000             | 9,641                           | 13,000             |                           | 13,300                | 13,500                | 13,800                | 14,100                |
| 118. Building & Grounds        | 21,221             | 13,802             | 13,004             | 16,680             | 22,000             | 63,026                          | 24,000             |                           | 57,250                | 71,600                | 45,100                | 20,900                |
| 119. Postage                   | 12,683             | 11,879             | 7,830              | 8,223              | 12,500             | 8,627                           | 12,000             |                           | 10,250                | 10,450                | 10,650                | 10,850                |
| 120. Printing/Photography      | 9,541              | 10,114             | 10,551             | 9,705              | 10,400             | 9,769                           | 10,400             |                           | 9,900                 | 10,700                | 10,200                | 11,100                |
| 121. User Billing Material     | 67,273             | 60,834             | 66,947             | 65,076             | 72,000             | 63,710                          | 73,700             |                           | 73,700                | 73,600                | 73,500                | 73,400                |
| 124. Contract Services         | 95,829             | 63,382             | 64,181             | 73,879             | 84,900             | 95,764                          | 97,400             |                           | 101,550               | 100,600               | 100,450               | 109,700               |
| 137. Memberships/Subscriptions | 10,490             | 11,077             | 11,345             | 11,554             | 12,150             | 7,023                           | 7,600              |                           | 7,900                 | 7,750                 | 8,100                 | 7,900                 |
| Subtotal                       | \$356,555          | \$348,637          | \$311,736          | \$347,961          | \$383,000          | \$398,147                       | \$397,050          | \$480,000                 | \$402,400             | \$438,150             | \$402,300             | \$411,150             |
| C. Vehicles                    |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 222. Gas/Fuel                  | \$2,508            | \$1,437            | \$914              | \$859              | \$2,100            | \$985                           | \$2,100            |                           | \$2,150               | \$2,200               | \$2,250               | \$2,300               |
| 225. Operation/Repair          | 949                | 537                | 365                | 429                | 1,250              | 745                             | 1,250              |                           | 1,350                 | 1,450                 | 1,300                 | 1,400                 |
| 226. Vehicle Purchase          | 0                  | 16,111             | 9,256              | 0                  | 0                  | 0                               | 0                  |                           | 0                     | 0                     | 15,000                | 20,000                |
| Subtotal                       | \$3,457            | \$18,086           | \$10,534           | \$1,288            | \$3,350            | \$1,730                         | \$3,350            | \$10,000                  | \$3,500               | \$3,650               | \$18,550              | \$23,700              |
| TOTALS                         | \$1,115,448        | \$1,141,913        | \$1,112,681        | \$1,124,391        | \$1,211,900        | \$1,220,341                     | \$1,274,100        | \$1,490,000               | \$1,312,600           | \$1,327,900           | \$1,337,300           | \$1,382,700           |

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2018-2019 to 2022-2023

EXHIBIT 1

|  | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 18-19<br>Appropriation | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>12. Wastewater Treatment Center</b> |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| <b>A. Salary &amp; Wages</b>           |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 009. Oper. Management                  | \$19,137           | \$34,718           | \$112,177          | \$117,227          | \$21,700           | 115,391                         | \$22,500           |                           | 14,400                | 14,900                | 15,400                | 15,950                |
| 010. Maintenance                       | 450,539            | 484,138            | 461,136            | 475,079            | 543,150            | 475,610                         | 578,800            |                           | 599,050               | 620,000               | 641,750               | 664,200               |
| 020. WWTC                              | 508,314            | 582,890            | 482,983            | 484,585            | 626,900            | 523,537                         | 606,500            |                           | 627,750               | 649,700               | 672,450               | 696,000               |
| 030. Building & Grounds                | 32,971             | 34,415             | 38,198             | 59,807             | 48,450             | 102,601                         | 48,550             |                           | 50,250                | 52,000                | 53,850                | 55,700                |
| Subtotal                               | \$1,010,961        | \$1,136,161        | \$1,094,494        | \$1,136,698        | \$1,240,200        | \$1,217,139                     | \$1,256,350        | \$1,440,000               | \$1,291,450           | \$1,336,600           | \$1,383,450           | \$1,431,850           |
| <b>B. Operation &amp; Maintenance</b>  |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 100. Electricity                       | \$332,450          | \$262,280          | \$190,174          | \$188,832          | \$96,600           | \$106,007                       | \$72,000           |                           | \$76,300              | \$80,900              | \$85,750              | \$90,900              |
| 101. Natural Gas                       | 18,134             | 9,948              | 4,321              | 6,600              | 12,000             | 9,873                           | 12,000             |                           | 12,700                | 13,500                | 14,300                | 15,150                |
| 102. Water, Garbage, Other             | 36,318             | 36,485             | 36,423             | 36,131             | 32,000             | 29,387                          | 34,000             |                           | 35,000                | 36,050                | 37,150                | 38,250                |
| 103. Odor Control                      | 11,168             | 5,403              | 2,997              | 10,574             | 8,000              | 5,436                           | 8,000              |                           | 8,250                 | 8,500                 | 8,750                 | 9,000                 |
| 104. Fuel - Generators                 | 12,020             | 9,015              | 7,688              | 1,731              | 15,000             | 8,037                           | 13,500             |                           | 13,900                | 14,300                | 14,750                | 15,200                |
| 112. Communication                     | 14,545             | 12,874             | 10,554             | 12,907             | 14,300             | 15,167                          | 16,000             |                           | 15,600                | 16,500                | 16,200                | 17,100                |
| 113. Emergency/Safety Eqpt             | 8,261              | 10,462             | 12,375             | 18,943             | 24,400             | 9,593                           | 15,200             |                           | 14,750                | 15,200                | 15,650                | 16,100                |
| 400. Chemicals                         | 77,304             | 65,017             | 62,145             | 100,026            | 121,400            | 95,537                          | 93,400             |                           | 96,200                | 99,100                | 102,050               | 105,100               |
| 500. Eqpt/Eqpt Repair                  | 913,572            | 1,061,275          | 928,720            | 714,380            | 1,049,400          | 857,097                         | 717,150            |                           | 786,200               | 711,250               | 861,550               | 856,700               |
| 116. Supplies                          | 33,161             | 41,837             | 41,080             | 28,716             | 30,000             | 31,491                          | 29,250             |                           | 29,100                | 29,950                | 30,850                | 31,800                |
| 117. Employee/Duty Costs               | 19,304             | 19,458             | 16,030             | 18,680             | 25,000             | 17,905                          | 25,000             |                           | 25,500                | 26,000                | 26,500                | 27,100                |
| 800. Building & Grounds                | 215,245            | 202,191            | 261,251            | 285,646            | 263,850            | 236,521                         | 275,900            |                           | 227,700               | 235,100               | 196,100               | 176,650               |
| 124. Contract Services                 | 30,626             | 0                  | 82,796             | 85,280             | 127,200            | 127,218                         | 131,050            |                           | 203,700               | 209,800               | 216,100               | 222,600               |
| 130. NPDES Permit Fees                 | 53,000             | 53,000             | 53,000             | 53,000             | 53,000             | 53,000                          | 53,000             |                           | 53,000                | 53,000                | 53,000                | 53,000                |
| 131. Sludge Hauling/Disposal Services  |                    |                    |                    |                    |                    | 20,000                          | 60,000             |                           | 40,000                | 40,000                | 40,000                | 40,000                |
| Subtotal                               | \$1,775,108        | \$1,789,244        | \$1,709,553        | \$1,561,447        | \$1,872,150        | \$1,622,269                     | \$1,555,450        | \$1,870,000               | \$1,637,900           | \$1,589,150           | \$1,718,700           | \$1,714,650           |
| <b>C. Vehicles</b>                     |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 222. Gas/Fuel                          | \$26,877           | \$26,675           | \$19,652           | \$12,376           | \$35,000           | \$18,177                        | \$32,500           |                           | \$33,500              | \$34,500              | \$35,500              | \$36,600              |
| 225. Operation/Repair                  | 4,045              | 7,069              | 9,655              | 3,594              | 6,000              | 9,012                           | 7,000              |                           | 7,200                 | 7,450                 | 7,650                 | 7,900                 |
| 226. Vehicle Purchase                  | 13,951             | 19,824             | 28,473             | 0                  | 15,000             | 4,851                           | 15,000             |                           | 40,000                | 30,000                | 30,000                | 30,000                |
| Subtotal                               | \$44,873           | \$53,569           | \$57,780           | \$15,969           | \$56,000           | \$32,040                        | \$54,500           | \$70,000                  | \$80,700              | \$71,950              | \$73,150              | \$74,500              |
| <b>TOTALS</b>                          | <b>\$2,830,942</b> | <b>\$2,978,973</b> | <b>\$2,861,828</b> | <b>\$2,714,115</b> | <b>\$3,168,350</b> | <b>\$2,871,448</b>              | <b>\$2,866,300</b> | <b>\$3,380,000</b>        | <b>\$3,010,050</b>    | <b>\$2,997,700</b>    | <b>\$3,175,300</b>    | <b>\$3,221,000</b>    |

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2018-2019 to 2022-2023

EXHIBIT 1

|                            | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 18-19<br>Appropriation | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 13. Laboratory             |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| A. Salary & Wages          |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 009. Oper. Management      | \$47,136           | \$56,808           | \$65,021           | \$67,465           | \$58,800           | 57,994                          | \$61,550           |                           | 63,700                | 65,950                | 68,250                | 70,650                |
| 040. Laboratory            | 122,522            | 123,578            | 128,283            | 131,733            | 157,100            | 151,267                         | 164,400            |                           | 170,150               | 176,100               | 182,250               | 188,650               |
| Subtotal                   | \$169,659          | \$180,387          | \$193,304          | \$199,198          | \$215,900          | \$209,261                       | \$225,950          | \$260,000                 | \$233,850             | \$242,050             | \$250,500             | \$259,300             |
| B. Operation & Maintenance |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 114. Chemicals             | \$8,308            | \$8,509            | \$12,051           | \$8,328            | \$16,500           | \$10,001                        | \$17,200           |                           | \$17,850              | \$18,600              | \$19,300              | \$20,100              |
| 115. Eqpt/Eqpt Repair      | 51,264             | 10,326             | 5,851              | 68,634             | 29,000             | 30,100                          | 16,200             |                           | 64,000                | 19,000                | 34,000                | 24,000                |
| 116. Supplies              | 10,359             | 10,059             | 11,869             | 14,505             | 19,950             | 13,280                          | 20,750             |                           | 21,600                | 22,450                | 23,350                | 24,300                |
| 117. Employee/Duty Costs   | 2,220              | 5,070              | 2,489              | 2,307              | 5,500              | 2,770                           | 5,500              |                           | 5,600                 | 5,700                 | 5,800                 | 5,900                 |
| 122. Monitoring Equipment  | 8,032              | 5,151              | 3,395              | 5,674              | 4,000              | 2,000                           | 9,000              |                           | 4,000                 | 9,000                 | 4,000                 | 4,000                 |
| 123. Outside Lab Services  | 13,648             | 14,502             | 14,180             | 17,033             | 18,250             | 15,357                          | 19,050             |                           | 19,850                | 20,600                | 21,450                | 22,300                |
| Subtotal                   | \$93,831           | \$53,617           | \$49,835           | \$116,480          | \$93,200           | \$73,508                        | \$87,700           | \$110,000                 | \$132,900             | \$95,350              | \$107,900             | \$100,600             |
| C. Vehicles                |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 222. Gas/Fuel              | \$821              | \$714              | \$333              | \$299              | \$1,000            | \$459                           | \$500              |                           | \$500                 | \$500                 | \$550                 | \$550                 |
| 225. Operation/Repair      | 1,878              | 244                | 141                | 168                | 200                | 112                             | 200                |                           | 200                   | 200                   | 200                   | 250                   |
| 226. Vehicle Purchase      | (4,000)            | 1,174              | 0                  | 6,762              | 0                  | 0                               | 0                  |                           | 0                     | 0                     | 0                     | 15,000                |
| Subtotal                   | (\$1,301)          | \$2,131            | \$474              | \$7,230            | \$1,200            | \$571                           | \$700              | \$10,000                  | \$700                 | \$700                 | \$750                 | \$15,800              |
| <b>TOTALS</b>              | <b>\$262,188</b>   | <b>\$236,135</b>   | <b>\$243,613</b>   | <b>\$322,907</b>   | <b>\$310,300</b>   | <b>\$283,340</b>                | <b>\$314,350</b>   | <b>\$380,000</b>          | <b>\$367,450</b>      | <b>\$338,100</b>      | <b>\$359,150</b>      | <b>\$375,700</b>      |

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2018-2019 to 2022-2023

EXHIBIT 1

|                                       | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 18-19<br>Appropriation | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|---------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>14. Collection System</b>          |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| <b>A. Salary &amp; Wages</b>          |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 050. Sewer Maintenance                | 100,649            | 144,293            | 139,670            | 152,688            | 146,900            | 141,071                         | 157,900            |                           | 163,400               | 169,150               | 175,050               | 181,200               |
| 060. Inspection                       | 306,964            | 268,960            | 279,822            | 280,008            | 284,000            | 294,142                         | 347,300            |                           | 309,250               | 320,100               | 331,300               | 342,900               |
| 070. Investigations                   | 9,329              | 9,011              | 10,557             | 10,733             | 10,800             | 11,693                          | 11,600             |                           | 12,000                | 12,450                | 12,850                | 13,300                |
| Subtotal                              | \$416,942          | \$422,264          | \$430,049          | \$443,429          | \$441,700          | \$446,906                       | \$516,800          | \$590,000                 | \$484,650             | \$501,700             | \$519,200             | \$537,400             |
| <b>B. Operation &amp; Maintenance</b> |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 102. Water, Garbage, Other            | \$31               | \$21               | \$0                | \$0                | \$0                | 0                               | \$0                |                           | \$0                   | \$0                   | \$0                   | \$0                   |
| 112. Communication                    | 5,620              | 5,256              | 7,121              | 8,987              | 10,500             | 9,912                           | 10,500             |                           | 10,600                | 10,700                | 10,800                | 10,900                |
| 113. Emer/Safety Equipment            | 2,925              | 370                | 1,786              | 9,558              | 4,450              | 5,133                           | 4,500              |                           | 4,150                 | 4,300                 | 4,450                 | 4,350                 |
| 115. Eqpt/Eqpt Repair                 | 56,317             | 31,768             | 56,623             | 198,834            | 67,850             | 70,512                          | 41,050             |                           | 54,300                | 55,900                | 57,600                | 59,350                |
| 116. Supplies                         | 6,547              | 5,355              | 5,609              | 4,026              | 6,000              | 5,151                           | 5,500              |                           | 5,650                 | 5,800                 | 6,000                 | 6,150                 |
| 117. Employee/Duty Costs              | 7,032              | 8,640              | 7,289              | 11,967             | 13,000             | 11,575                          | 13,500             |                           | 13,800                | 14,100                | 14,300                | 14,600                |
| 124. Contract Services                | 22,119             | 34,399             | 135,226            | 81,513             | 132,100            | 74,643                          | 132,100            |                           | 132,800               | 133,400               | 134,050               | 134,750               |
| 900. Collection System Repair         | 861,895            | 964,860            | 1,018,488          | 1,889,063          | 1,799,000          | 1,886,410                       | 2,331,600          |                           | 2,331,600             | 2,431,600             | 2,431,600             | 2,431,600             |
| 127. JULIE                            | 13,223             | 14,782             | 16,093             | 16,950             | 13,000             | 17,956                          | 16,900             |                           | 17,900                | 19,000                | 20,150                | 21,350                |
| 128. Overhead Sewer Program           | 64,539             | 23,500             | 18,961             | 6,633              | 15,000             | 8,412                           | 15,000             |                           | 15,000                | 15,000                | 15,000                | 15,000                |
| 129. Public Sewer Blockage Program    | 2,231              | 9,355              | 5,583              | 16,379             | 12,000             | 2,000                           | 12,000             |                           | 12,000                | 12,000                | 12,000                | 12,000                |
| Subtotal                              | \$1,042,478        | \$1,098,305        | \$1,272,780        | \$2,243,910        | \$2,072,900        | \$2,091,704                     | \$2,582,650        | \$3,100,000               | \$2,597,800           | \$2,701,800           | \$2,705,950           | \$2,710,050           |
| <b>C. Vehicles</b>                    |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 222. Gas/Fuel                         | \$19,318           | \$18,707           | \$13,935           | \$10,023           | \$26,500           | \$15,652                        | \$26,500           |                           | \$28,100              | \$29,800              | \$31,550              | \$33,450              |
| 225. Operation/Repair                 | 10,517             | 5,686              | 2,404              | 8,841              | 5,300              | 7,509                           | 6,500              |                           | 6,700                 | 6,900                 | 7,100                 | 7,300                 |
| 226. Vehicle Purchase                 | 272,100            | 23,773             | 133                | 0                  | 25,000             | 36,242                          | 0                  |                           | 20,000                | 15,000                | 40,000                | 0                     |
| Subtotal                              | \$301,935          | \$48,166           | \$16,472           | \$18,863           | \$56,800           | \$59,403                        | \$33,000           | \$40,000                  | \$54,800              | \$51,700              | \$78,650              | \$40,750              |
| <b>TOTALS</b>                         | <b>\$1,761,356</b> | <b>\$1,568,735</b> | <b>\$1,719,301</b> | <b>\$2,706,203</b> | <b>\$2,571,400</b> | <b>\$2,598,013</b>              | <b>\$3,132,450</b> | <b>\$3,730,000</b>        | <b>\$3,137,250</b>    | <b>\$3,255,200</b>    | <b>\$3,303,800</b>    | <b>\$3,288,200</b>    |



DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2018-2019 to 2022-2023

EXHIBIT 1

|                                   | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 18-19<br>Appropriation | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|-----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 15. Lift Stations                 |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| A. Salary & Wages                 |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 009. Oper. Management             | \$374              | \$167              | \$94               | \$350              | \$400              | 5,453                           | \$450              |                           | 450                   | 450                   | 450                   | 500                   |
| 030. Building & Grounds           | 0                  | 2,175              | 750                | 1,274              | 0                  | 978                             | 0                  |                           | 0                     | 0                     | 0                     | 0                     |
| 080. Lift Station Maint.          | 53,962             | 29,737             | 38,896             | 36,061             | 62,250             | 75,811                          | 68,600             |                           | 71,000                | 73,450                | 76,050                | 78,700                |
| Subtotal                          | \$54,335           | \$32,080           | \$39,740           | \$37,685           | \$62,650           | \$82,242                        | \$69,050           | \$80,000                  | \$71,450              | \$73,900              | \$76,500              | \$79,200              |
| B. Operation & Maintenance        |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 100. Electricity                  | \$110,145          | \$106,194          | \$102,003          | \$102,568          | \$110,000          | \$114,001                       | \$116,000          |                           | \$122,950             | \$130,350             | \$138,150             | \$146,450             |
| 102. Water, Garbage, Other        | \$206              | \$143              | \$0                | \$0                | \$0                | \$0                             | \$0                |                           | \$0                   | \$0                   | \$0                   | \$0                   |
| 104. Fuel - Generators            | 5,440              | 6,620              | 2,595              | 3,600              | 6,000              | \$4,000                         | 4,500              |                           | 4,650                 | 4,750                 | 4,900                 | 5,050                 |
| 112. Communication                | 7,338              | 4,669              | 5,892              | 3,932              | 5,200              | 4,023                           | 5,500              |                           | 5,500                 | 5,550                 | 5,650                 | 5,750                 |
| 113. Emer/Safety Eqpt.            | 182                | 75                 | 0                  | 145                | 250                | 274                             | 250                |                           | 250                   | 250                   | 250                   | 300                   |
| 500. Eqpt/Eqpt Repair             | 133,204            | 134,270            | 161,721            | 145,386            | 117,700            | 104,583                         | 161,750            |                           | 113,100               | 131,450               | 126,500               | 160,400               |
| 116. Supplies                     | 257                | 240                | 215                | 493                | 300                | 293                             | 300                |                           | 300                   | 300                   | 350                   | 350                   |
| 800. Building & Grounds           | 49,517             | 76,902             | 18,480             | 14,140             | 25,900             | 60,236                          | 31,700             |                           | 22,100                | 32,800                | 25,500                | 15,950                |
| Subtotal                          | \$306,289          | \$329,112          | \$290,906          | \$270,264          | \$265,350          | \$287,410                       | \$320,000          | \$380,000                 | \$268,850             | \$305,450             | \$301,300             | \$334,250             |
| TOTALS                            | \$360,624          | \$361,192          | \$330,645          | \$307,949          | \$328,000          | \$369,652                       | \$389,050          | \$460,000                 | \$340,300             | \$379,350             | \$377,800             | \$413,450             |
| 17. Insurance & Employee Benefits |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| E. Insurance & Payroll            |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| 452. Liability/Property           | \$170,156          | \$205,995          | \$201,984          | \$203,477          | \$218,200          | \$211,832                       | \$196,600          |                           | \$199,000             | \$204,000             | \$207,000             | \$212,000             |
| 455. Employee Group Coverage      | 437,752            | 432,153            | 409,005            | 429,914            | 463,100            | 443,294                         | 479,500            |                           | 508,000               | 538,200               | 570,250               | 604,200               |
| 460. I.M.R.F.                     | 439,952            | 430,592            | 310,245            | 297,755            | 315,300            | 305,306                         | 330,500            |                           | 332,250               | 334,550               | 342,750               | 351,100               |
| 461. Social Security              | 180,642            | 190,804            | 189,946            | 192,335            | 209,650            | 197,267                         | 221,400            |                           | 224,800               | 228,700               | 236,650               | 244,900               |
| TOTALS                            | \$1,228,502        | \$1,259,545        | \$1,111,180        | \$1,123,481        | \$1,206,250        | \$1,157,699                     | \$1,228,000        | \$1,410,000               | \$1,264,050           | \$1,305,450           | \$1,356,650           | \$1,412,200           |
| GRAND TOTALS                      | \$7,559,060        | \$7,546,493        | \$7,379,248        | \$8,299,047        | \$8,796,200        | \$8,500,493                     | \$9,204,250        | \$10,850,000              | \$9,431,700           | \$9,603,700           | \$9,910,000           | \$10,093,250          |

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2018-2019 to 2022-2023

EXHIBIT 1

|  | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 18-19<br>Appropriation | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| REVENUES   |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| User receipts  | \$3,319,850        | \$3,289,152        | \$3,195,706        | \$3,107,149        | \$3,283,100        | \$3,222,564                     | \$3,344,800        | \$3,344,800               | \$3,277,900           | \$3,212,400           | \$3,148,100           | \$3,085,200           |
| Surcharges   | 376,445            | 346,091            | 343,098            | 352,938            | 310,000            | 360,713                         | 325,000            | 325,000                   | 325,000               | 325,000               | 325,000               | 325,000               |
| Monthly service fees                                   | 2,381,716          | 2,608,883          | 2,842,996          | 3,201,483          | 3,553,200          | 3,560,373                       | 3,827,900          | 3,827,900                 | 4,069,100             | 4,310,300             | 4,656,400             | 5,018,200             |
| Plan review fees                                       | 324                | 986                | 642                | 0                  | 1,000              | 2,681                           | 1,000              | 1,000                     | 2,000                 | 3,000                 | 4,000                 | 4,000                 |
| Const inspection fees                                  | 0                  | 0                  | 462                | 928                | 500                | 150                             | 500                | 500                       | 500                   | 500                   | 500                   | 500                   |
| Permit inspection fees                                 | 18,154             | 25,008             | 25,505             | 24,366             | 22,000             | 26,324                          | 22,000             | 22,000                    | 22,000                | 22,000                | 22,000                | 22,000                |
| Interest   | 2,537              | 5,019              | 5,333              | 7,111              | 9,650              | 10,871                          | 15,000             | 15,000                    | 14,500                | 14,500                | 23,300                | 23,300                |
| Sampling & monitoring charges                          | 67,735             | 73,843             | 79,421             | 88,834             | 65,000             | 94,483                          | 70,000             | 70,000                    | 72,500                | 75,000                | 77,500                | 80,000                |
| Real estate taxes                                      | 1,055,752          | 1,080,927          | 1,105,162          | 1,126,923          | 1,149,800          | 1,146,646                       | 1,167,500          | 1,167,500                 | 1,188,550             | 1,209,900             | 1,231,700             | 1,253,850             |
| Television inspection fees                             | 0                  | 0                  | 159                | 227                | 150                | 0                               | 150                | 150                       | 150                   | 150                   | 150                   | 150                   |
| Replacement taxes                                      | 85,289             | 83,215             | 84,306             | 88,559             | 79,800             | 71,752                          | 79,800             | 79,800                    | 82,600                | 82,600                | 82,600                | 82,600                |
| Lease payments   | 32,491             | 32,905             | 33,096             | 33,043             | 33,500             | 33,361                          | 33,500             | 33,500                    | 34,100                | 34,800                | 35,500                | 36,200                |
| Miscellaneous  | 3,291              | 5,794              | 6,984              | 29,070             | 30,000             | 10,586                          | 10,000             | 10,000                    | 10,000                | 10,000                | 10,000                | 10,000                |
| Grease Waste   | 121,418            | 136,551            | 160,384            | 213,518            | 160,000            | 190,129                         | 200,000            | 200,000                   | 220,000               | 220,000               | 220,000               | 220,000               |
| Renewable Energy Credits                               |                    |                    |                    |                    |                    | 4,644                           | 3,000              | 3,000                     | 3,000                 | 3,000                 | 3,000                 | 3,000                 |
| TOTAL REVENUES   | \$7,465,003        | \$7,688,373        | \$7,883,253        | \$8,274,150        | \$8,697,700        | \$8,735,277                     | \$9,100,150        | \$9,100,150               | \$9,321,900           | \$9,523,150           | \$9,839,750           | \$10,164,000          |
| TOTAL EXPENSES   | \$7,559,060        | \$7,546,493        | \$7,379,248        | \$8,299,047        | \$8,796,200        | \$8,500,493                     | \$9,204,250        | \$10,850,000              | \$9,431,700           | \$9,603,700           | \$9,910,000           | \$10,093,250          |
| EXCESS (DEFICIT) REVENUES<br>OVER EXPENSES             | (\$94,058)         | \$141,880          | \$504,005          | (\$24,897)         | (\$98,500)         | \$234,784                       | (\$104,100)        | (\$1,749,850)             | (\$109,800)           | (\$80,550)            | (\$70,250)            | \$70,750              |
| ENDING FUND BALANCE                                    | \$1,771,868        | \$1,913,747        | \$2,417,752        | \$2,392,855        | \$2,294,355        | \$2,627,639                     | \$2,523,539        | \$877,789                 | \$2,413,739           | \$2,333,189           | \$2,262,939           | \$2,333,689           |
| RESTRICTED FOR REPLACEMENT                             | \$820,000          | \$820,000          | \$820,000          | \$820,000          | \$820,000          | \$820,000                       | \$820,000          |                           | \$820,000             | \$820,000             | \$820,000             | \$820,000             |
| UNRESTRICTED   | \$951,867          | \$1,093,747        | \$1,597,752        | \$1,572,855        | \$1,474,355        | \$1,807,639                     | \$1,703,539        |                           | \$1,593,739           | \$1,513,189           | \$1,442,939           | \$1,513,689           |
| ENDING FUND BALANCE AS PERCENTAGE<br>OF TOTAL EXPENSES | 23%                | 25%                | 33%                | 29%                | 26%                | 31%                             | 27%                |                           | 26%                   | 24%                   | 23%                   | 23%                   |
| USER RATE  | \$1.65             | \$1.65             | \$1.65             | \$1.65             | \$1.65             | \$1.65                          | \$1.65             |                           | \$1.65                | \$1.65                | \$1.65                | \$1.65                |
| INCREASE FROM PRIOR YEAR'S RATE                        | 0.0%               | 0.0%               | 0.0%               | 0.0%               | 0.0%               | 0.0%                            | 0.0%               |                           | 0.0%                  | 0.0%                  | 0.0%                  | 0.0%                  |
| MONTHLY SERVICE FEE                                    | \$10.00            | \$11.00            | \$12.00            | \$13.50            | \$15.00            | \$15.00                         | \$16.00            |                           | \$17.00               | \$18.00               | \$19.50               | \$21.00               |
| INCREASE FROM PRIOR YEAR'S FEE                         | 5.3%               | 10.0%              | 9.1%               | 12.5%              | 11.1%              | 11.1%                           | 6.7%               |                           | 6.3%                  | 5.9%                  | 8.3%                  | 7.7%                  |

GENERAL CORPORATE FUND  
EXPENDITURES

Summary

The annual budgets for operation, maintenance and replacement for the next five years are contained in Exhibit 1. The proposed budget amounts represent the best estimates of actual expenditures each year. Necessary contingencies for FY 18-19 are provided in the proposed appropriation amounts for the major categories in each department. The appropriation amounts represent the legal limit on spending during the year as established in the appropriation ordinance.

Total operation, maintenance and replacement expenditures for FY 18-19 are budgeted at \$9,204,250 and actual expenditures are expected to be 100% of budget. Actual expenditures for FY 17-18 are projected to be \$8,500,493. The following table presents budget and actual totals for the last ten years and projected budget totals for the next five years:

| <u>Fiscal Year</u> | <u>O &amp; M<br/>Budget</u> | <u>Actual<br/>Expenditures</u> | <u>% of Actual<br/>to Budget</u> | <u>Annual Increase<br/>in Actual<br/>Expenditures</u> |
|--------------------|-----------------------------|--------------------------------|----------------------------------|---|
| 2008-09            | 7,483,450                   | 7,505,716                      | 100%                             | 4.1%  |
| 2009-10            | 7,331,500                   | 7,742,838                      | 106%                             | 3.2%  |
| 2010-11            | 11,599,550                  | 10,118,798                     | 87%                              | 30.7%   |
| 2011-12            | 7,507,300                   | 7,786,276                      | 104%                             | -23.1%  |
| 2012-13            | 7,275,100                   | 7,414,342                      | 102%                             | -4.8%   |
| 2013-14            | 7,589,050                   | 7,559,060                      | 100%                             | 2.0%  |
| 2014-15            | 7,509,450                   | 7,546,493                      | 100%                             | -0.2%   |
| 2015-16            | 7,824,150                   | 7,379,248                      | 94%                              | -2.2%   |
| 2016-17            | 8,343,000                   | 8,299,047                      | 99%                              | 12.5%   |
| 2017-18            | 8,796,200                   | 8,500,493*                     | 97%*                             | 2.4%*   |
| 2018-19            | 9,204,250                   | 9,204,250*                     | 100%*                            | 8.3%*   |
| 2019-20            | 9,431,700                   | 9,431,700*                     | 100%*                            | 1.8%*   |
| 2020-21            | 9,603,700                   | 9,603,700*                     | 100%*                            | 2.1%*   |
| 2021-22            | 9,910,000                   | 9,910,000*                     | 100%*                            | 3.2%*   |
| 2022-23            | 10,093,250                  | 10,093,250*                    | 100%*                            | 1.8%*   |

\*projected

Increases in FY 10-11 represent sewer system rehabilitation and replacement projects leveraging ARRA funding that was available in that time period, with the decrease in FY 11-12 representing the end of this program funding opportunity. The decrease in FY 12-13 was primarily due to reduced operating costs associated with low rainfall totals during this period. The increase from FY 15-16 to FY 16-17 represents the successful completion of new and outstanding sewer system rehabilitation and replacement projects, and new equipment in the sewer televising truck. The increase from FY 17-18 to FY 18-19 represents an increase in the annual expenditures for sewer replacement and rehabilitation. Increases from FY 18-19 to FY 22-23 represent expected increases in the cost of goods and services and some variability in fixed assets needing replacement.

Analysis by Type of Expenditure

I. Salaries and Wages

| <u>Year</u> | <u>Salaries and Wages</u> | <u>Change</u> | <u>Full Time<br/>Equivalents</u> |
|-------------|---------------------------|---------------|----------------------------------|
| FY 13-14    | 2,407,333                 | 1.9%          | 37.5                             |
| FY 14-15    | 2,546,080                 | 5.8%          | 37.4                             |
| FY 15-16    | 2,547,998                 | 0.1%          | 36.4                             |
| FY 16-17    | 2,592,153                 | 1.7%          | 37.1                             |
| FY 17-18    | 2,776,012                 | 7.1%          | 36.7                             |
| FY 18-19    | 2,941,850                 | 6.0%          | 37.9                             |
| FY 19-20    | 2,988,100                 | 1.6%          | 37.0                             |
| FY 20-21    | 3,040,350                 | 1.7%          | 36.7                             |
| FY 21-22    | 3,146,100                 | 3.5%          | 36.7                             |
| FY 22-23    | 3,255,600                 | 3.5%          | 36.7                             |

The total for FY 13-14 reflects turnover at the plant operator position. The total for FY 14-15 reflects the conversion of a part time mechanic's helper to a full time mechanic position and overlapping turnover at the plant operator position. The small increase in FY15-16 reflects the retirement of a long-time supervisor at the beginning of the year, and a temporary shortage of part time clerical staff. The increase in FY 16-17 reflects turnover in the sewer system department, and normal salary adjustments with nearly full staffing. Increases in FY 17-18 and FY 18-19 reflect turnover at the sewer technician position and some overlapping hires needed to address pending retirements. After FY 20-21, annual salary adjustments of 3.5% at full staffing account for future increases.

II. O & M Expenses – Utilities

| <u>Year</u> | <u>Utilities</u> | <u>Change</u> |
|-------------|------------------|---------------|
| FY 13-14    | 503,391          | 22.1%         |
| FY 14-15    | 422,096          | -16.1%        |
| FY 15-16    | 338,117          | -19.9%        |
| FY 16-17    | 339,270          | 0.3%          |
| FY 17-18    | 265,685          | -21.7%        |
| FY 18-19    | 242,150          | -8.9%         |
| FY 19-20    | 255,500          | 5.5%          |
| FY 20-21    | 269,750          | 5.6%          |
| FY 21-22    | 284,700          | 5.5%          |
| FY 22-23    | 300,550          | 5.6%          |

Electric use in FY 13-14 increased from wetter conditions than the previous year, and costs were further increased by higher electricity prices. The first phase of the CHP gas utilization system was started up during FY 14-15, and reductions in utility costs reflect resulting reduced electricity usage. Further reductions in FY 17-18 and FY 18-19 reflect implementation of the second phase of the CHP gas utilization system. Electric price increases are projected to grow at 6% per year. Natural gas use is expected to remain low compared to historic levels.

III. O & M Expenses – Other

| <u>Year</u> | <u>O &amp; M Expenses -<br/>Excluding Utilities</u> | <u>Change</u> |
|-------------|---|---------------|
| FY 13-14    | 3,070,901   | -7.2%         |
| FY 14-15    | 3,196,840   | 4.1%          |
| FY 15-16    | 3,296,692   | 3.1%          |
| FY 16-17    | 4,200,792   | 27.4%         |
| FY 17-18    | 4,207,352   | 0.2%          |
| FY 18-19    | 4,700,700   | 11.7%         |
| FY 19-20    | 4,784,350   | 1.8%          |
| FY 20-21    | 4,860,150   | 1.6%          |
| FY 21-22    | 4,951,450   | 1.9%          |
| FY 22-23    | 4,970,150   | 0.4%          |

Lowering expense levels from FY 12-13 to FY 13-14 reflect temporary curtailment of the I/I program and sewer rehabilitation following completion of ARRA projects. The increase from FY 15-16 to FY 16-17 was due to completion of new and outstanding sewer replacement and rehab projects, and new televising equipment in the sewer TV truck. The increase from FY 17-18 to FY 18-19 represents an increase in the annual expenditures for sewer replacement and rehabilitation. Major planned expenses are detailed in Exhibit 2.

IV. Vehicles

| <u>Year</u> | <u>Vehicles</u> | <u>Replacements</u> | <u>Change</u> |
|-------------|-----------------|---------------------|---------------|
| FY 13-14    | 348,964         | 6                   | 147.5%        |
| FY 14-15    | 121,953         | 4                   | -65.1%        |
| FY 15-16    | 85,260          | 4                   | -30.1%        |
| FY 16-17    | 43,351          | 1                   | -49.2%        |
| FY 17-18    | 93,744          | 2                   | 116.2%        |
| FY 18-19    | 91,550          | 1                   | -2.3%         |
| FY 19-20    | 139,700         | 3                   | 52.6%         |
| FY 20-21    | 128,000         | 3                   | -8.4%         |
| FY 21-22    | 171,100         | 5                   | 33.7%         |
| FY 22-23    | 154,750         | 3                   | -9.6%         |

Vehicle expenses fluctuate based on vehicle replacement needs and average \$137,837 per year during the ten year period shown. Small vehicles are generally scheduled for replacement after six years of use, while larger heavy duty vehicles have a longer service life. Small CNG vehicles are scheduled for replacement after 10 years. Fuel prices have recently risen from recent lows. Replacement of the heavy duty sewer system jetter/vacuum truck was completed in FY 13-14. Proposed vehicle replacements are detailed in Exhibit 2 under budget codes 11C226, 12C226, 13C226 and 14C226.

V. Insurance and Employee Benefits

| <u>Year</u> | <u>Ins/Emp Benefits</u> | <u>Change</u> |
|-------------|-------------------------|---------------|
| FY 13-14    | 1,228,502               | 3.2%          |
| FY 14-15    | 1,259,545               | 2.5%          |
| FY 15-16    | 1,111,180               | -11.8%        |
| FY 16-17    | 1,123,481               | 1.1%          |
| FY 17-18    | 1,157,699               | 3.0%          |
| FY 18-19    | 1,228,000               | 6.1%          |
| FY 19-20    | 1,264,050               | 2.9%          |
| FY 20-21    | 1,305,450               | 3.3%          |
| FY 21-22    | 1,356,650               | 3.9%          |
| FY 22-23    | 1,412,200               | 4.1%          |

The proposed increases in these expenditures are due to premium increases on all coverages, particularly employee group, workers compensation, property and liability. Projected decreases in the District's IMRF contribution rate help mitigate the overall increase over time. \$100,000 annual lump-sum IMRF payments were included in FY 12-13, FY 13-14, and FY 14-15 to reduce the District's unfunded liability and future contribution rates. The IMRF unfunded liability has been reduced substantially, so this additional contribution was discontinued in FY 15-16.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2018-2019 to 2022-2023

|                                | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 18-19<br>Appropriation | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| SUMMARY AND ANALYSIS           |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| EXPENSE ANALYSIS BY DEPARTMENT |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| ADMINISTRATION                 |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| SALARIES AND WAGES             | \$755,436          | \$775,190          | \$790,410          | \$775,142          | \$825,550          | \$820,464                       | \$873,700          | \$1,000,000               | \$906,700             | \$886,100             | \$916,450             | \$947,850             |
| % CHANGE FROM PRIOR YEAR       | 1.5%               | 2.6%               | 2.0%               | -1.9%              | 6.5%               | 5.8%                            | 6.5%               |                           | 3.8%                  | -2.3%                 | 3.4%                  | 3.4%                  |
| OFFICE EXPENSES                | \$356,555          | \$348,637          | \$311,736          | \$347,961          | \$383,000          | \$398,147                       | \$397,050          | \$480,000                 | \$402,400             | \$438,150             | \$402,300             | \$411,150             |
| % CHANGE FROM PRIOR YEAR       | -19.4%             | -2.2%              | -10.6%             | 11.6%              | 10.1%              | 14.4%                           | -0.3%              |                           | 1.3%                  | 8.9%                  | -8.2%                 | 2.2%                  |
| VEHICLE EXPENSES               | \$3,457            | \$18,086           | \$10,534           | \$1,288            | \$3,350            | \$1,730                         | \$3,350            | \$10,000                  | \$3,500               | \$3,650               | \$18,550              | \$23,700              |
| % CHANGE FROM PRIOR YEAR       | -82.0%             | 423.2%             | -41.8%             | -87.8%             | 160.1%             | 34.3%                           | 93.6%              |                           | 4.5%                  | 4.3%                  | 408.2%                | 27.8%                 |
| TOTAL ADMINISTRATION EXPENSES  | \$1,115,448        | \$1,141,913        | \$1,112,681        | \$1,124,391        | \$1,211,900        | \$1,220,341                     | \$1,274,100        | \$1,490,000               | \$1,312,600           | \$1,327,900           | \$1,337,300           | \$1,382,700           |
| % CHANGE FROM PRIOR YEAR       | -7.5%              | 2.4%               | -2.6%              | 1.1%               | 7.8%               | 8.5%                            | 4.4%               |                           | 3.0%                  | 1.2%                  | 0.7%                  | 3.4%                  |

COMMENTS

Salaries and Wages            Salary levels generally increase with projected salary adjustments, with some variability from future retirements.

Office                            Outside work including re-roofing the administration center is included. Inside work including remodeling the reception area and new carpeting are included. Office servers and software updates are included.

Vehicles                        Vehicle costs reflect fuel and normal maintenance and repairs, and replacement of vehicles in FY 21-22 and FY 22-23.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2018-2019 to 2022-2023

|                                  | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 18-19<br>Appropriation | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| SUMMARY AND ANALYSIS             |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| EXPENSE ANALYSIS BY DEPARTMENT   |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| WASTEWATER TREATMENT CENTER      |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| SALARIES AND WAGES               | \$1,010,961        | \$1,136,161        | \$1,094,494        | \$1,136,698        | \$1,240,200        | \$1,217,139                     | \$1,256,350        | \$1,440,000               | \$1,291,450           | \$1,336,600           | \$1,383,450           | \$1,431,850           |
| % CHANGE FROM PRIOR YEAR         | 1.1%               | 12.4%              | -3.7%              | 3.9%               | 9.1%               | 7.1%                            | 3.2%               |                           | 2.8%                  | 3.5%                  | 3.5%                  | 3.5%                  |
| OPERATION & MAINTENANCE EXPENSES | \$1,775,108        | \$1,789,244        | \$1,709,553        | \$1,561,447        | \$1,872,150        | \$1,622,269                     | \$1,555,450        | \$1,870,000               | \$1,637,900           | \$1,589,150           | \$1,718,700           | \$1,714,650           |
| % CHANGE FROM PRIOR YEAR         | 6.4%               | 0.8%               | -4.5%              | -8.7%              | 19.9%              | 3.9%                            | -4.1%              |                           | 5.3%                  | -3.0%                 | 8.2%                  | -0.2%                 |
| VEHICLE EXPENSES                 | \$44,873           | \$53,569           | \$57,780           | \$15,969           | \$56,000           | \$32,040                        | \$54,500           | \$70,000                  | \$80,700              | \$71,950              | \$73,150              | \$74,500              |
| % CHANGE FROM PRIOR YEAR         | -26.9%             | 19.4%              | 7.9%               | -72.4%             | 250.7%             | 100.6%                          | 70.1%              |                           | 48.1%                 | -10.8%                | 1.7%                  | 1.8%                  |
| TOTAL PLANT EXPENSES             | \$2,830,942        | \$2,978,973        | \$2,861,828        | \$2,714,115        | \$3,168,350        | \$2,871,448                     | \$2,866,300        | \$3,380,000               | \$3,010,050           | \$2,997,700           | \$3,175,300           | \$3,221,000           |
| % CHANGE FROM PRIOR YEAR         | 3.7%               | 5.2%               | -3.9%              | -5.2%              | 16.7%              | 5.8%                            | -0.2%              |                           | 5.0%                  | -0.4%                 | 5.9%                  | 1.4%                  |

COMMENTS

Salaries and Wages      WWTC salaries and wages reflect full staffing and projected annual salary adjustments, with some variability due to planned retirements.

Operation and Maintenance      Operation and maintenance expenses remain fairly constant over the 5-year projection. Planned upgrades and replacements are detailed in Exhibit 2 under codes 12B500 and 12B800.

Vehicles      Vehicle costs vary based on replacement needs. Vehicle replacements are detailed in Exhibit 2 under budget code 12C226.



DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2018-2019 to 2022-2023

|                                  | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 18-19<br>Appropriation | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| SUMMARY AND ANALYSIS             |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| EXPENSE ANALYSIS BY DEPARTMENT   |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| LABORATORY                       |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| SALARIES AND WAGES               | \$169,659          | \$180,387          | \$193,304          | \$199,198          | \$215,900          | \$209,261                       | \$225,950          | \$260,000                 | \$233,850             | \$242,050             | \$250,500             | \$259,300             |
| % CHANGE FROM PRIOR YEAR         | 4.7%               | 6.3%               | 7.2%               | 3.0%               | 8.4%               | 5.1%                            | 8.0%               |                           | 3.5%                  | 3.5%                  | 3.5%                  | 3.5%                  |
| OPERATION & MAINTENANCE EXPENSES | \$93,831           | \$53,617           | \$49,835           | \$116,480          | \$93,200           | \$73,508                        | \$87,700           | \$110,000                 | \$132,900             | \$95,350              | \$107,900             | \$100,600             |
| % CHANGE FROM PRIOR YEAR         | 18.5%              | -42.9%             | -7.1%              | 133.7%             | -20.0%             | -36.9%                          | 19.3%              |                           | 51.5%                 | -28.3%                | 13.2%                 | -6.8%                 |
| VEHICLE EXPENSES                 | (\$1,301)          | \$2,131            | \$474              | \$7,230            | \$1,200            | \$571                           | \$700              | \$10,000                  | \$700                 | \$700                 | \$750                 | \$15,800              |
| % CHANGE FROM PRIOR YEAR         | -104.0%            | -263.8%            | -77.8%             | 1424.7%            | -83.4%             | -92.1%                          | 22.6%              |                           | 0.0%                  | 0.0%                  | 7.1%                  | 2006.7%               |
| TOTAL LABORATORY EXPENSES        | \$262,188          | \$236,135          | \$243,613          | \$322,907          | \$310,300          | \$283,340                       | \$314,350          | \$380,000                 | \$367,450             | \$338,100             | \$359,150             | \$375,700             |
| % CHANGE FROM PRIOR YEAR         | -4.3%              | -9.9%              | 3.2%               | 32.5%              | -3.9%              | -12.3%                          | 10.9%              |                           | 16.9%                 | -8.0%                 | 6.2%                  | 4.6%                  |

COMMENTS

- Salaries and Wages      Projected lab salaries and wages reflect future annual salary adjustments with 2 full-time analysts.
- Operation and Maintenance      Major expenditures include casework replacements and mold abatement, and scheduled equipment replacements.
- Vehicles      Vehicle fuel and repair costs for the five year period, with replacement of the lab car identified for FY 22-23.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2018-2019 to 2022-2023

|                                  | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 18-19<br>Appropriation | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| SUMMARY AND ANALYSIS             |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| EXPENSE ANALYSIS BY DEPARTMENT   |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| COLLECTION SYSTEM                |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| SALARIES AND WAGES               | \$416,942          | \$422,264          | \$430,049          | \$443,429          | \$441,700          | \$446,906                       | \$516,800          | \$590,000                 | \$484,650             | \$501,700             | \$519,200             | \$537,400             |
| % CHANGE FROM PRIOR YEAR         | 4.8%               | 1.3%               | 1.8%               | 3.1%               | -0.4%              | 0.8%                            | 15.6%              |                           | -6.2%                 | 3.5%                  | 3.5%                  | 3.5%                  |
| OPERATION & MAINTENANCE EXPENSES | \$1,042,478        | \$1,098,305        | \$1,272,780        | \$2,243,910        | \$2,072,900        | \$2,091,704                     | \$2,582,650        | \$3,100,000               | \$2,597,800           | \$2,701,800           | \$2,705,950           | \$2,710,050           |
| % CHANGE FROM PRIOR YEAR         | -14.9%             | 5.4%               | 15.9%              | 76.3%              | -7.6%              | -6.8%                           | 23.5%              |                           | 0.6%                  | 4.0%                  | 0.2%                  | 0.2%                  |
| VEHICLE EXPENSES                 | \$301,935          | \$48,166           | \$16,472           | \$18,863           | \$56,800           | \$59,403                        | \$33,000           | \$40,000                  | \$54,800              | \$51,700              | \$78,650              | \$40,750              |
| % CHANGE FROM PRIOR YEAR         | 987.5%             | -84.0%             | -65.8%             | 14.5%              | 201.1%             | 214.9%                          | -44.4%             |                           | 66.1%                 | -5.7%                 | 52.1%                 | -48.2%                |
| TOTAL COLLECTION SYSTEM EXPENSES | \$1,761,356        | \$1,568,735        | \$1,719,301        | \$2,706,203        | \$2,571,400        | \$2,598,013                     | \$3,132,450        | \$3,730,000               | \$3,137,250           | \$3,255,200           | \$3,303,800           | \$3,288,200           |
| % CHANGE FROM PRIOR YEAR         | 6.7%               | -10.9%             | 9.6%               | 57.4%              | -5.0%              | -4.0%                           | 20.6%              |                           | 0.2%                  | 3.8%                  | 1.5%                  | -0.5%                 |

COMMENTS

Salaries and Wages            The plan reflects full staffing and normal planned annual increases, with some variability for future retirements.

Operation and Maintenance    Continuing implementation of the Building Sanitary Service Repair Assistance Program is reflected. Expenses for planned structural rehab work are at target levels throughout the 5-year plan period. VI program expenses increase as the plan moves forward.

Vehicles                            Future vehicle purchases are shown in Exhibit 2 under section 14C226.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2018-2019 to 2022-2023

|                                  | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 18-19<br>Appropriation | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| SUMMARY AND ANALYSIS             |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| EXPENSE ANALYSIS BY DEPARTMENT   |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| LIFT STATIONS                    |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| SALARIES AND WAGES               | \$54,335           | \$32,080           | \$39,740           | \$37,685           | \$62,650           | \$82,242                        | \$69,050           | \$80,000                  | \$71,450              | \$73,900              | \$76,500              | \$79,200              |
| % CHANGE FROM PRIOR YEAR         | -8.5%              | -41.0%             | 23.9%              | -5.2%              | 66.2%              | 118.2%                          | -16.0%             |                           | 3.5%                  | 3.4%                  | 3.5%                  | 3.5%                  |
| OPERATION & MAINTENANCE EXPENSES | \$306,289          | \$329,112          | \$290,906          | \$270,264          | \$265,350          | \$287,410                       | \$320,000          | \$380,000                 | \$268,850             | \$305,450             | \$301,300             | \$334,250             |
| % CHANGE FROM PRIOR YEAR         | -0.1%              | 7.5%               | -11.6%             | -7.1%              | -1.8%              | 6.3%                            | 11.3%              |                           | -16.0%                | 13.6%                 | -1.4%                 | 10.9%                 |
| TOTAL LIFT STATION EXPENSES      | \$360,624          | \$361,192          | \$330,645          | \$307,949          | \$328,000          | \$369,652                       | \$389,050          | \$460,000                 | \$340,300             | \$379,350             | \$377,800             | \$413,450             |
| % CHANGE FROM PRIOR YEAR         | -1.4%              | 0.2%               | -8.5%              | -6.9%              | 6.5%               | 20.0%                           | 5.2%               |                           | -12.5%                | 11.5%                 | -0.4%                 | 9.4%                  |

COMMENTS

Salaries and Wages            The budget reflects salary adjustments based on the proportion of recent time spent on lift stations.

Operation and Maintenance    Major planned expenses include a pump replacement at College lift station, replacement of portable pumps, and engineering planning work for needed major rehabilitation work at Butterfield, Centex and College lift stations.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2018-2019 to 2022-2023

|                                   | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 18-19<br>Appropriation | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|-----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| SUMMARY AND ANALYSIS              |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| EXPENSE ANALYSIS BY DEPARTMENT    |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| INSURANCE AND EMPLOYEE BENEFITS   |                    |                    |                    |                    |                    |                                 |                    |                           |                       |                       |                       |                       |
| TOTAL INSURANCE/EMPLOYEE BENEFITS | \$1,228,502        | \$1,259,545        | \$1,111,180        | \$1,123,481        | \$1,206,250        | \$1,157,699                     | \$1,228,000        | \$1,410,000               | \$1,264,050           | \$1,305,450           | \$1,356,650           | \$1,412,200           |
| % CHANGE FROM PRIOR YEAR          | 3.2%               | 2.5%               | -11.8%             | 1.1%               | 7.4%               | 3.0%                            | 6.1%               |                           | 2.9%                  | 3.3%                  | 3.9%                  | 4.1%                  |

COMMENTS

Projected expenses for insurance and employee benefits reflect the following factors:

1. Expecting annual net increases in liability and property premiums of 2%, and annual premium increases of 5% each year for workers compensation.
2. Increases of 6% for employee group medical and dental each year.
3. The District's IMRF contributions are expected to increase moderately over the 5 year period. While covered payroll is expected to increase, rates are expected to decrease due to good recent investment performance and the resulting high funding ratio.
4. No change is expected in the District's social security contribution rate.

DOWNERS GROVE SANITARY DISTRICT  
 MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE  
 FISCAL YEARS 2018-19 TO 2022-23

EXHIBIT 2

|  | FY 18-19 | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 |
|--|----------|----------|----------|----------|----------|
| 11B115 (ADMIN-Eqpt/Eqpt Repair)                |          |          |          |          |          |
| 1.Office software licensing updates            |          |          | 20,000   |          |          |
| 2.Replace data servers                         | 30,000   |          |          |          | 30,000   |
| 3.Update website                               |          |          |          | 8,000    |          |
| Annual Totals                                  | \$30,000 | \$0      | \$20,000 | \$8,000  | \$30,000 |
| 11B118 (ADMIN-Building & Grounds)              |          |          |          |          |          |
| 1.Upgrade front entrance                       |          | 35,000   | 35,000   |          |          |
| 2.Re-roof admin building                       |          |          | 15,000   |          |          |
| 3.Replace carpeting                            |          |          |          | 23,000   |          |
| Annual Totals                                  | \$0      | \$35,000 | \$50,000 | \$23,000 | \$0      |
| 11B137 (ADMIN-Dues/Subscriptions)              |          |          |          |          |          |
| 1.National association of clean water agencies | 1,200    | 1,200    | 1,200    | 1,250    | 1,250    |
| 2.Illinois association of wastewater agencies  | 4,550    | 4,600    | 4,650    | 4,700    | 4,750    |
| Annual Totals                                  | \$5,750  | \$5,800  | \$5,850  | \$5,950  | \$6,000  |
| 11C226 (ADMIN-Vehicle Purchases)               |          |          |          |          |          |
| 1.Administration vehicles                      |          |          |          | 18,000   | 25,000   |
| 2.Sale of old vehicles                         |          |          |          | (3,000)  | (5,000)  |
| Annual Totals                                  | \$0      | \$0      | \$0      | \$15,000 | \$20,000 |
| 12B500 (WWTC-Eqpt/Eqpt Repair)                 |          |          |          |          |          |
| 1.Grit removal system                          |          |          |          |          |          |
| a.Grit cyclone overhaul                        |          |          | 12,000   | 8,000    |          |
| b.Conveyor overhaul                            |          | 20,000   |          |          |          |
| 2.Primary treatment                            |          |          |          |          |          |
| a.Concrete repairs                             |          |          |          |          | 10,000   |
| b.Scum trough replacement                      | 29,250   |          |          |          |          |
| c.Sludge grinder replacement                   |          | 25,000   |          |          |          |
| d.Sludge collector replacement                 |          | 6,000    | 8,000    |          |          |
| 3.Secondary treatment                          |          |          |          |          |          |
| a.Protective coatings - secondary clarifiers   | 30,000   | 27,500   | 60,000   | 60,000   | 50,000   |
| b.Hoffman/PD blower overhaul                   |          |          |          |          | 30,000   |
| c.Aeration tank diffuser plates                | 40,000   |          |          |          |          |
| d.Aeration tank influent gate actuator         |          |          | 7,500    |          |          |
| e.DO probe replacement                         |          |          |          |          | 10,000   |
| f.Sluice gate replacements                     | 30,000   |          |          |          |          |
| g.Railing and decking                          | 3,500    | 34,000   |          |          |          |
| 4.Intermediate clarifiers                      |          |          |          |          |          |
| a.Intermediate sludge pumps (2) - overhaul     | 5,000    | 5,000    |          |          |          |
| 5.Sand filters                                 |          |          |          |          |          |
| a.Waste washwater pumps (2) overhaul           | 4,000    | 4,000    |          |          |          |
| 6.Disinfection equipment                       |          |          |          |          |          |
| a.Fiberglass tank inspections/repairs          | 5,000    |          |          |          |          |
| b.ORP probe replacement                        |          |          |          | 8,000    |          |
| c.OSEC brine feed pump replacement             |          |          | 8,000    |          |          |
| d.Bulk hypochlorite mix-down pump replacement  | 10,400   |          |          |          |          |
| e.Bisulfite pump replacements                  |          |          |          | 8,750    | 9,000    |
| f.Hypochlorite feed pump replacements          |          |          |          | 11,000   | 11,250   |
| g.Hypochlorite feed pump VFD replacements      |          |          |          | 2,250    | 2,350    |

DOWNERS GROVE SANITARY DISTRICT  
 MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE  
 FISCAL YEARS 2018-19 TO 2022-23

EXHIBIT 2

|   | FY 18-19  | FY 19-20  | FY 20-21  | FY 21-22  | FY 22-23  |
|---|-----------|-----------|-----------|-----------|-----------|
| 7.Excess flow tanks                               |           |           |           |           |           |
| a.Overhaul sludge grinder                         |           |           |           |           | 10,000    |
| b.Clarifier scum trough replacement               |           | 20,000    |           |           |           |
| c.Overhaul sludge pumps                           |           |           | 5,000     |           | 5,500     |
| d.Control panel replacement                       | 40,000    |           |           |           |           |
| 8.Sludge concentrators                            |           |           |           |           |           |
| a.Sludge pump overhauls                           |           | 3,750     |           |           | 4,000     |
| 9.Sludge digestion                                |           |           |           |           |           |
| a.Re-coat/repair covers                           |           |           |           | 41,950    |           |
| b.Digester 3 gas wasting control upgrade          |           | 20,000    |           |           |           |
| c.Digester 5 gas flare repair and control uprade  | 15,000    |           |           |           |           |
| d.Heat exchanger burner upgrade                   | 17,000    |           |           |           |           |
| e.Replane digester 2 mixing equipment             |           |           |           |           | 175,000   |
| 10.Sludge dewatering system                       |           |           |           |           |           |
| a.Belt press feed pump motor upgrades             | 4,500     |           |           |           |           |
| b.Belt press feed pump replacement                |           |           |           |           | 9,500     |
| c.Plug valve replacements                         | 4,500     | 4,500     | 4,500     |           |           |
| d.Curtiss lagoon drain system repairs             | 30,000    |           |           |           |           |
| e.Drying bed repairs                              |           |           |           | 25,000    | 25,000    |
| 11.Biosolids handling equipment                   |           |           |           |           |           |
| a.Loader grapple bucket                           | 2,000     |           |           |           |           |
| b.Bobcat replacement                              |           | 45,000    |           |           |           |
| c.Auger replacements                              | 30,000    |           |           |           |           |
| d.Dump truck - 12 yd, replacement                 |           |           | 100,000   |           |           |
| e.Trommel screen replacement                      |           |           |           | 175,000   |           |
| 12.Maintenance/utilities                          |           |           |           |           |           |
| a.Pressure washer                                 | 4,500     |           |           |           |           |
| b.Replace portable pump                           | 8,000     |           |           |           |           |
| c.Main switchgear maintenance                     |           |           | 5,250     |           |           |
| d.CHP Engine overhaul                             |           | 45,000    | 75,000    | 75,000    | 45,000    |
| e.Autosampler replacement                         |           | 9,000     |           | 9,500     | 8,500     |
| f.Emergency generator control panel replacement   |           | 100,000   |           |           |           |
| g.Yard piping repairs                             | 45,000    | 46,350    | 47,750    | 49,150    | 50,650    |
| h.Emergency dialer software upgrade               | 3,000     |           |           |           |           |
| Annual Totals                                     | \$360,650 | \$415,100 | \$333,000 | \$473,600 | \$455,750 |
| 12B800 (WWTC-Building & Grounds)                  |           |           |           |           |           |
| 1.System garage washroom remodel                  | 5,000     |           |           |           |           |
| 2.Roof repairs                                    | 35,000    | 13,500    | 40,000    | 18,000    | 18,000    |
| 3.Road / sidewalk repair                          | 75,000    | 65,000    | 55,000    | 25,000    | 25,000    |
| 4.Window / door replacement                       | 11,000    | 20,000    | 18,000    | 8,000     |           |
| 5.HVAC repairs                                    | 6,500     |           | 2,500     | 7,500     | 3,000     |
| 6.Outside stairs, railings, gratings, and fencing | 14,500    | 12,500    |           | 15,000    |           |
| 7.Replace dehumidifier media                      | 10,000    |           |           |           |           |
| 8.Tuckpointing                                    | 35,000    | 35,000    | 35,000    | 35,000    | 35,000    |
| 9.Interior painting                               | 15,000    | 15,500    | 16,000    | 16,500    | 17,000    |
| 10.Biosolids giveaway station repairs             | 5,000     |           |           |           |           |
| Annual Totals                                     | \$212,000 | \$161,500 | \$166,500 | \$125,000 | \$98,000  |

DOWNERS GROVE SANITARY DISTRICT  
 MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE  
 FISCAL YEARS 2018-19 TO 2022-23

EXHIBIT 2

|  | FY 18-19    | FY 19-20    | FY 20-21    | FY 21-22    | FY 22-23    |
|--|-------------|-------------|-------------|-------------|-------------|
| 12B124 (WWTC-Contract Services)          |             |             |             |             |             |
| 1.DRSCW membership/stream restoration    | 131,500     | 203,700     | 209,800     | 216,100     | 222,600     |
| Annual Totals                            | \$131,500   | \$203,700   | \$209,800   | \$216,100   | \$222,600   |
| 12B130 (WWTC-NPDES Permit Fees)          |             |             |             |             |             |
| 1.Annual permit fees                     | 53,000      | 53,000      | 53,000      | 53,000      | 53,000      |
| Annual Totals                            | \$53,000    | \$53,000    | \$53,000    | \$53,000    | \$53,000    |
| 12C226 (WWTC-Vehicle Purchases)          |             |             |             |             |             |
| 1.Operations supervisor pickup           |             |             | 28,000      |             |             |
| 2.Maintenance supervisor pickup          | 23,000      |             |             | 28,000      |             |
| 3.Electric cart                          |             | 10,000      | 10,500      | 11,000      |             |
| 4.Maintenance aux truck                  |             | 41,000      |             |             |             |
| 5.Lift station pickup                    |             |             |             |             | 42,000      |
| 6.Sale of old vehicles                   | (8,000)     | (11,000)    | (8,500)     | (9,000)     | (12,000)    |
| Annual Totals                            | \$15,000    | \$40,000    | \$30,000    | \$30,000    | \$30,000    |
| 13B115 (LAB-Eqpt/Eqpt Repair)            |             |             |             |             |             |
| 1.Casework/mold abatement                |             | 50,000      |             |             |             |
| 2.Autoclave                              |             |             |             | 15,000      |             |
| 3.Incubators                             | 5,000       | 5,000       | 10,000      |             |             |
| 4.Balance upgrade                        | 2,200       |             |             |             |             |
| 5.Rotovapor                              |             |             |             |             | 5,000       |
| 6.Autotitrator                           |             |             |             |             | 10,000      |
| 7.Spectrophotometer                      |             |             |             | 10,000      |             |
| Annual Totals                            | \$7,200     | \$55,000    | \$10,000    | \$25,000    | \$15,000    |
| 13C226 (LAB-Vehicle Purchase)            |             |             |             |             |             |
| 1.Lab car                                |             |             |             |             | 18,000      |
| 2.Sale of old lab car                    |             |             |             |             | (3,000)     |
| Annual Totals                            | \$0         | \$0         | \$0         | \$0         | \$15,000    |
| 14B115 (SEWER SYSTEM-Eqpt/Eqpt Repair)   |             |             |             |             |             |
| 1.Flow meter replacement                 |             | 13,000      | 13,400      | 13,800      | 14,200      |
| Annual Totals                            | \$0         | \$13,000    | \$13,400    | \$13,800    | \$14,200    |
| 14B124 (SEWER SYSTEM-Contract Services)  |             |             |             |             |             |
| 1.Contract Televising                    | \$100,000   | \$100,000   | \$100,000   | \$100,000   | \$100,000   |
| Annual Totals                            | \$100,000   | \$100,000   | \$100,000   | \$100,000   | \$100,000   |
| 14B900 (SEWER SYSTEM-System Repairs)     |             |             |             |             |             |
| 1.Structural/O&M                         |             |             |             |             |             |
| a.Main sewers                            | 75,000      | 75,000      | 75,000      | 75,000      | 75,000      |
| b.Manholes                               | 25,000      | 25,000      | 25,000      | 25,000      | 25,000      |
| c.Building sanitary services             | 550,000     | 550,000     | 550,000     | 550,000     | 550,000     |
| 2.Sewer replacements and rehabilitation  |             |             |             |             |             |
| a.Sewer rehab/replacement                | 1,350,000   | 1,350,000   | 1,350,000   | 1,350,000   | 1,350,000   |
| 3.I/I Program                            |             |             |             |             |             |
|  |             |             | 100,000     | 100,000     | 100,000     |
| 4.Outfall pipe rehabilitation and repair |             |             |             |             |             |
|  | 150,000     | 150,000     | 150,000     | 150,000     | 150,000     |
| 5.IEPA ARRA loan repayment               |             |             |             |             |             |
|  | 181,600     | 181,600     | 181,600     | 181,600     | 181,600     |
| Annual Totals                            | \$2,331,600 | \$2,331,600 | \$2,431,600 | \$2,431,600 | \$2,431,600 |

DOWNERS GROVE SANITARY DISTRICT  
 MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE  
 FISCAL YEARS 2018-19 TO 2022-23

EXHIBIT 2

|  | FY 18-19           | FY 19-20           | FY 20-21           | FY 21-22           | FY 22-23           |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|
| <b>14C226 (SEWER SYSTEM-Vehicle Purchases)</b>       |                    |                    |                    |                    |                    |
| 1.Inspection/technician vans                         |                    | 25,000             |                    | 50,000             |                    |
| 2.Maintenance supervisor pickup                      |                    |                    | 25,000             |                    |                    |
| 3.Sale of old vehicles                               |                    | (5,000)            | (10,000)           | (10,000)           |                    |
| Annual Totals  | \$0                | \$20,000           | \$15,000           | \$40,000           | \$0                |
| <b>15B500 (LIFT STATIONS-Eqpt/Eqpt Repair)</b>       |                    |                    |                    |                    |                    |
| 1.Butterfield lift station                           |                    |                    |                    |                    |                    |
| a.Pump overhaul                                      |                    | 4,500              |                    |                    | 4,500              |
| b.Planning study                                     |                    |                    | 30,000             |                    |                    |
| 2.Centex lift station                                |                    |                    |                    |                    |                    |
| a.Pump overhaul                                      |                    | 2,750              | 2,850              |                    |                    |
| b.Planning study                                     | 30,000             |                    |                    |                    |                    |
| 3.College lift station                               |                    |                    |                    |                    |                    |
| a.Replace pump no. 1                                 | 37,500             |                    |                    |                    |                    |
| b.Pump overhaul                                      |                    | 14,500             |                    | 14,750             |                    |
| c.Planning study                                     |                    |                    |                    |                    | 30,000             |
| 4.Earlston lift station                              |                    |                    |                    |                    |                    |
| a.Pump overhaul                                      | 2,750              | 2,850              |                    |                    |                    |
| b.Replace pump                                       |                    |                    |                    |                    | 15,000             |
| 5.Hobson lift station                                |                    |                    |                    |                    |                    |
| a.Pump overhaul                                      | 8,500              |                    |                    | 9,000              | 9,250              |
| b.Wetwell mixing                                     | 3,500              |                    |                    |                    |                    |
| 6.Northwest  |                    |                    |                    |                    |                    |
| a.Pump overhaul                                      | 3,000              | 3,250              | 3,500              |                    |                    |
| b.Impeller replacements                              |                    | 6,000              | 6,000              |                    |                    |
| 7.Wroble lift station                                |                    |                    |                    |                    |                    |
| a.Pump overhaul                                      |                    | 8,500              | 8,750              |                    |                    |
| 8.General maintenance                                |                    |                    |                    |                    |                    |
| a.Portable pump replacements                         |                    |                    |                    | 27,500             | 25,000             |
| b.Forcemain air valve restoration                    | 5,000              |                    |                    |                    |                    |
| c.Replace rain gauges                                | 5,000              |                    |                    |                    |                    |
| Annual Totals  | \$95,250           | \$42,350           | \$51,100           | \$51,250           | \$83,750           |
| <b>15B800 (LIFT STATIONS-Building &amp; Grounds)</b> |                    |                    |                    |                    |                    |
| 1.Hobson driveway replacement                        | 17,500             |                    |                    |                    |                    |
| 2.Cathodic protection testing                        |                    |                    | 2,750              |                    |                    |
| 3.Painting   |                    | 7,500              | 15,000             | 10,000             |                    |
| Annual Totals  | \$17,500           | \$7,500            | \$17,750           | \$10,000           | \$0                |
| <b>IMPROVEMENT FUND</b>                              |                    |                    |                    |                    |                    |
| 1.Future special assessments                         |                    |                    | 200,000            | 200,000            | 200,000            |
| 2.IEPA loan repayment                                | 93,200             | 93,200             | 93,200             | 93,200             | 93,200             |
| 3.Renovate Liberty Park LS                           | 350,000            |                    |                    |                    |                    |
| Annual Totals  | \$443,200          | \$93,200           | \$293,200          | \$293,200          | \$293,200          |
| <b>CONSTRUCTION FUND</b>                             |                    |                    |                    |                    |                    |
| 1.IEPA loan repayment                                | 28,900             | 28,900             | 28,900             | 28,900             | 28,900             |
| Annual Totals  | \$28,900           | \$28,900           | \$28,900           | \$28,900           | \$28,900           |
| <b>GRAND TOTALS</b>                                  | <b>\$3,831,550</b> | <b>\$3,605,650</b> | <b>\$3,829,100</b> | <b>\$3,943,400</b> | <b>\$3,897,000</b> |



GENERAL CORPORATE FUND  
REVENUES

Summary

General corporate fund revenues are detailed on the last page of Exhibit 1. Actual revenues for the last five years and budgeted revenues for the next five years are presented in this exhibit. Revenues are adequate to fund the expenditure levels recommended in this plan. The fund balance is held near 25% of annual expenses, with revenues projected to outpace expenditures enough to sustain the fund balance near the target of 25% of annual expenses.

Analysis by Revenue Type

The District's annual residential charge for wastewater collection and treatment includes user charges, the monthly service charge and the real estate tax levy for sewer rehabilitation, as detailed in Exhibit 3.

User Receipts

This plan reflects no change in the user rate of \$1.65 per 1000 gallons of metered water consumption. This rate was last increased in April 2008. User rate increases are not anticipated for the duration of the plan. User receipts during FY 17-18 are projected at \$3,222,564 based upon a rate of \$1.65 per 1000 gallons, a billable flow of 5.714 MGD and late charges and delinquent account fees of 1.25%. This estimate of billable flow compares with recent experience as indicated below:

| <u>Fiscal Year</u> | <u>Net Billable Flow (MGD)</u> | <u>Amount of Summer Usage Adjustments</u> |
|--------------------|--------------------------------|---|
| 1994-95            | 6.509                          | 96,946                                    |
| 1995-96            | 6.577                          | 143,958                                   |
| 1996-97            | 6.587                          | 86,414                                    |
| 1997-98            | 6.397                          | 85,990                                    |
| 1998-99            | 6.535                          | 103,061                                   |
| 1999-00            | 6.666                          | 129,980                                   |
| 2000-01            | 6.606                          | 86,980                                    |
| 2001-02            | 6.561                          | 106,306                                   |
| 2002-03            | 6.661                          | 135,641                                   |
| 2003-04            | 6.601                          | 83,400                                    |
| 2004-05            | 6.333                          | 96,616                                    |
| 2005-06            | 6.645                          | 296,891                                   |
| 2006-07            | 6.236                          | 125,215                                   |
| 2007-08            | 6.223                          | 183,910                                   |
| 2008-09            | 5.893                          | 112,621                                   |
| 2009-10            | 5.913                          | 110,369                                   |
| 2010-11            | 5.753                          | 112,363                                   |
| 2011-12            | 5.633                          | 107,538                                   |
| 2012-13            | 5.768                          | 251,934                                   |
| 2013-14            | 5.537                          | 109,116                                   |
| 2014-15            | 5.444                          | 60,919                                    |
| 2015-16            | 5.491                          | 70,619                                    |
| 2016-17            | 5.518                          | 82,814                                    |
| 2017-18            | 5.714*                         | 139,711                                   |

\*projected for final 3 months

FY 2017-18 had a dry summer, compared to recent years, temporarily reversing the recent downward trend of billable flow. FY 2018-19 projections of user receipts are based on a billable flow of 5.485 MGD, which represents a 4.0% anticipated reduction in billable flow under FY 2017-18 levels. Water supply utilities' efforts at reducing water consumption are expected to continue to result in future reductions in billable flow. This plan reflects a 2.0% per year reduction in billable flow consistent with target reductions established by water supply utilities as corroborated by historic trends.

### Surcharges

Surcharges for discharges in excess of normal domestic waste strengths (200 mg/l BOD and 250 mg/l SS) are projected to remain near current levels.

### Monthly Service Fees

The plan reflects an increase in the monthly fee from \$15.00 per month (\$180.00 per year) for FY 17-18 to \$16.00 per month (\$192 per year) for FY 18-19, with \$1.00 increases in each of the following two fiscal years (\$17.00 per month in FY 19-20, \$18.00 per month in FY 20-21), followed by \$1.50 increases in the last two fiscal years of the plan (\$19.50 per month in FY 21-22, and \$21.00 per month in FY 22-23). The monthly fee was last increased in April, 2017. The number of customers is not expected to change over the 5 year period.

### Plan Review Fees

Plan review fees are assessed based upon the estimated construction cost of proposed sanitary sewer extensions. These fees are expected to increase over the next 5 years.

### Construction Inspection Fees

Construction inspection fees represent the cost of inspections by District personnel of sanitary sewer extensions. These fees are not expected to change over the next five years.

### Permit Inspection Fees

The cost of inspections by District personnel of service connections and new building construction is recovered from permit inspection fees. The number of inspections is expected to remain constant as construction activity continues at current levels.

### Interest

Interest is estimated based on the average fund balance each year and an interest rate ranging from 0.75% to 1%.

### Sampling and Monitoring Charges

Sampling and monitoring charges are assessed to all users subject to surcharge or pretreatment to recover the costs to sample and analyze wastewater from these users and are projected to increase as the cost to provide these services increases.

### Real Estate Taxes

The real estate tax levy is included in the general corporate fund and is utilized for operation, maintenance and repair of sewerage facilities. It is proposed that these levies be increased by 5% each year. The amount of future levies is limited in accordance with the tax cap limitation, reflected in budgeted increases of 1.8% each year over the 5 year planning period.

### Television Inspection Fees

Television inspection fees are assessed to developers for the costs of televising new sewers prior to the expiration of the one-year warranty period.

### Replacement Taxes

Personal property replacement taxes received from the state, estimated at \$79,800 per year for FY 18-19 and projected to increase by 3.5% the following year, will be used to fund sewer system repairs.

### Lease Payments

During FY 96-97, the District signed a lease with the Village of Downers Grove for District property located on Walnut Avenue, adjacent to the Village's public works facility. The lease agreement provides for lease payments by the Village to the District.

### Miscellaneous

Miscellaneous revenues include revenues from levying and collecting special assessments, fees to administer recapture agreements, and costs received for other District services. These revenues are estimated at \$10,000 each year.

### Grease Waste

Hauled restaurant grease trap waste continues to be accepted for treatment at the WWTC. Haulers are charged a fee to discharge this waste. The capacity of grease receiving and treatment facilities was increased during FY 17-18. The expansion of grease receiving facilities allows for additional future deliveries and associated revenue.

### Renewable Energy Credits

Renewable energy credits can be sold as they are generated by the District's eligible CHP equipment. The budget reflects current market pricing and production.

GENERAL CORPORATE FUND  
FUND BALANCE

Summary

The projected fund balance of the consolidated general corporate and replacement fund as of 4/30/19 is \$2,523,539. This fund balance remains stable in future years to meet staff's recommendation that the fund balance be maintained at 25% of total annual expenditures. Projected fund balance levels are presented on the last page of Exhibit 1.

DOWNERS GROVE SANITARY DISTRICT  
 ANNUAL RESIDENTIAL CHARGES FOR WASTEWATER COLLECTION AND TREATMENT SERVICES

EXHIBIT 3

|  | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Actual | FY 18-19<br>Budgeted | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| USER CHARGES                           |                    |                    |                    |                    |                    |                      |                       |                       |                       |                       |
| RATE PER 1000 GALS                     | \$1.65             | \$1.65             | \$1.65             | \$1.65             | \$1.65             | \$1.65               | \$1.65                | \$1.65                | \$1.65                | \$1.65                |
| AVERAGE ANNUAL USAGE                   | 96,000             | 96,000             | 96,000             | 96,000             | 96,000             | 96,000               | 96,000                | 96,000                | 96,000                | 96,000                |
| ANNUAL USER CHARGES                    | \$158.40           | \$158.40           | \$158.40           | \$158.40           | \$158.40           | \$158.40             | \$158.40              | \$158.40              | \$158.40              | \$158.40              |
| PROPERTY TAXES                         |                    |                    |                    |                    |                    |                      |                       |                       |                       |                       |
| YEAR TAXES PAID                        | 2013               | 2014               | 2015               | 2016               | 2017               | 2018                 | 2019                  | 2020                  | 2021                  | 2022                  |
| MEDIAN ASSESSED VALUE                  | \$93,520           | \$83,920           | \$84,020           | \$88,150           | \$93,940           | \$99,389             | \$105,153             | \$111,252             | \$117,705             | \$124,531             |
| DISTRICT TAX RATE                      | 0.0405             | 0.0436             | 0.0448             | 0.0434             | 0.0413             | 0.0409               | 0.0405                | 0.0401                | 0.0397                | 0.0393                |
| ANNUAL TAXES PAID                      | \$37.88            | \$36.59            | \$37.64            | \$38.26            | \$38.80            | \$40.65              | \$42.59               | \$44.61               | \$46.73               | \$48.94               |
| MONTHLY SERVICE FEE                    |                    |                    |                    |                    |                    |                      |                       |                       |                       |                       |
| MONTHLY SERVICE FEE                    | \$10.00            | \$11.00            | \$12.00            | \$13.50            | \$15.00            | \$16.00              | \$17.00               | \$18.00               | \$19.50               | \$21.00               |
| ANNUAL SERVICE FEE                     | \$120.00           | \$132.00           | \$144.00           | \$162.00           | \$180.00           | \$192.00             | \$204.00              | \$216.00              | \$234.00              | \$252.00              |
| TOTAL ANNUAL COST                      | \$316.28           | \$326.99           | \$340.04           | \$358.66           | \$377.20           | \$391.05             | \$404.99              | \$419.01              | \$439.13              | \$459.34              |
| TOTAL MONTHLY COST                     | \$26.36            | \$27.25            | \$28.34            | \$29.89            | \$31.43            | \$32.59              | \$33.75               | \$34.92               | \$36.59               | \$38.28               |
| ANNUAL PERCENT CHANGE                  | 3.3%               | 3.4%               | 4.0%               | 5.5%               | 5.2%               | 3.7%                 | 3.6%                  | 3.5%                  | 4.8%                  | 4.6%                  |
| TEN YEAR AVERAGE ANNUAL PERCENT CHANGE | 3.2%               | 3.4%               | 3.8%               | 3.6%               | 3.3%               | 3.0%                 | 3.2%                  | 3.4%                  | 3.8%                  | 4.1%                  |

DOWNERS GROVE SANITARY DISTRICT  
 FIVE YEAR FINANCIAL PLAN  
 CONSTRUCTION FUND  
 FISCAL YEARS 2018-19 TO 2022-23

EXHIBIT 4

|  | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>REVENUES</b>                                  |                    |                    |                    |                    |                    |                                 |                    |                       |                       |                       |                       |
| Sewer permit fees                                | \$102,904          | \$264,260          | \$498,015          | \$532,902          | \$175,000          | \$175,000                       | \$250,000          | \$250,000             | \$250,000             | \$250,000             | \$250,000             |
| Interest   | \$6,890            | \$31,449           | \$8,655            | \$3,007            | \$300              | \$300                           | \$5,500            | \$12,700              | \$16,250              | \$26,550              | \$31,550              |
| Repayments - equipment replacement               |                    |                    |                    |                    |                    |                                 |                    |                       |                       |                       |                       |
| Belt filter press                                | \$310,592          | \$200,000          |                    |                    |                    |                                 |                    |                       |                       |                       |                       |
| Plant switchgear                                 |                    | \$98,350           |                    | \$68,250           | \$194,600          | \$194,600                       |                    |                       |                       |                       |                       |
| Digester 4 mixing replacement                    |                    |                    | \$200,000          | \$110,252          | \$197,900          | \$197,876                       |                    |                       |                       |                       |                       |
| State of Illinois Grant                          |                    |                    | \$174,000          | \$49,000           | \$197,900          | \$197,876                       |                    |                       |                       |                       |                       |
| ICECF Grant                                      | \$250,000          |                    | \$51,000           |                    |                    |                                 | \$500,000          |                       |                       |                       |                       |
| <b>Total Revenues</b>                            | <b>\$670,386</b>   | <b>\$594,060</b>   | <b>\$931,670</b>   | <b>\$763,411</b>   | <b>\$567,800</b>   | <b>\$567,776</b>                | <b>\$755,500</b>   | <b>\$262,700</b>      | <b>\$266,250</b>      | <b>\$276,550</b>      | <b>\$281,550</b>      |
| <b>EXPENSES</b>                                  |                    |                    |                    |                    |                    |                                 |                    |                       |                       |                       |                       |
| IEPA loan repayment                              | \$28,807           | \$28,807           | \$28,807           | \$28,807           | \$28,900           | \$28,807                        | \$28,900           | \$28,900              | \$28,900              | \$28,900              | \$28,900              |
| Digester gas utilization equipment               | \$2,223,495        | \$580,350          | \$99,512           | \$1,243,647        | \$375,000          | \$375,000                       |                    |                       |                       |                       |                       |
| Grit blower efficiency upgrade                   |                    |                    |                    | \$34,036           |                    |                                 |                    |                       |                       |                       |                       |
| Grease receiving expansion                       |                    |                    |                    | \$8,786            | \$625,000          | \$625,000                       |                    |                       |                       |                       |                       |
| Digester 4 mixing replacement                    |                    | \$431              | \$309,821          |                    |                    |                                 |                    |                       |                       |                       |                       |
| Digester 1 mixing and gas piping upgrades        |                    |                    |                    | \$301,022          |                    |                                 |                    |                       |                       |                       |                       |
| Grease waste delivery ramp                       |                    | \$113              | \$101,878          | \$9,573            |                    |                                 |                    |                       |                       |                       |                       |
| Turboblower purchase and install                 |                    | \$113,415          | \$157,380          |                    |                    |                                 |                    |                       |                       |                       |                       |
| <b>Total Expenses</b>                            | <b>\$2,252,303</b> | <b>\$723,116</b>   | <b>\$697,397</b>   | <b>\$1,625,871</b> | <b>\$1,028,900</b> | <b>\$1,028,807</b>              | <b>\$28,900</b>    | <b>\$28,900</b>       | <b>\$28,900</b>       | <b>\$28,900</b>       | <b>\$28,900</b>       |
| Excess (Deficiency) of Revenues<br>over Expenses | (\$1,581,917)      | (\$129,056)        | \$234,272          | (\$862,460)        | (\$461,100)        | (\$461,031)                     | \$726,600          | \$233,800             | \$237,350             | \$247,650             | \$252,650             |
| Ending Fund Balance                              | \$1,223,384        | \$1,094,328        | \$1,328,600        | \$466,140          | \$5,040            | \$5,109                         | \$731,709          | \$965,509             | \$1,202,859           | \$1,450,509           | \$1,703,159           |

## CONSTRUCTION FUND

### Summary

The construction fund is intended to provide funds for improvements and expansions to the WWTC. The primary source of revenue to the construction fund, sewer permit fees, is directly related to development activity within the District. As development proceeds, sewer permit fees are generated and accumulated to construct WWTC facilities. As of December 31, 2017, there are 39,805 population equivalents of hydraulic capacity remaining on the WWTC. It is not anticipated that the next incremental expansion in capacity, from 11.0 MGD to 12.0 MGD, will be needed during the next five years. Permit fees are projected to continue at historic levels over the 5 year plan. The plan for the construction fund envisions the continued accumulation of funds for future improvements, expansions or property acquisition adjacent to the WWTC if such property becomes available for purchase.

### Revenues

1. Sewer permit fees – These fees are projected to remain at \$250,000 per year going forward. Development activity is not expected to decline during the 5 year period.
2. Interest – Interest is estimated based on the average fund balance each year and an interest rate ranging from 1.5% to 2%.
3. Grant Funds for Plant Upgrades - \$500,000 in grant funding is anticipated in FY 18-19 under current grant agreements, to help cover the cost of the CHP biogas utilization project.

### Expenses

1. IEPA loan repayment – Repayments to IEPA associated with ARRA-funded treatment plant projects being repaid from this fund are expected to be \$28,900 per year until the loan principal is fully repaid in 2031.

### Fund Balance

The balance in the construction fund is projected to be \$1,703,159 by April 30, 2023, as depicted in Exhibit 4. This balance will be reserved for future improvements and expansions to the WWTC.

DOWNERS GROVE SANITARY DISTRICT  
 FIVE YEAR FINANCIAL PLAN  
 IMPROVEMENT FUND  
 FISCAL YEARS 2018-19 TO 2022-23

EXHIBIT 5

|   | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|---|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>REVENUES</b>                               |                    |                    |                    |                    |                    |                                 |                    |                       |                       |                       |                       |
| Trunk and lateral sewer service charges       | \$7,741            | \$152,625          | \$263,161          | \$185,010          | \$90,000           | \$150,000                       | \$90,000           | \$90,000              | \$90,000              | \$90,000              | \$90,000              |
| Recapture                                     |                    |                    |                    | \$33,987           |                    |                                 |                    |                       |                       |                       |                       |
| Interest                                      | 4,090              | 8,758              | 7,136              | 9,929              | 7,550              | 13,000                          | 19,500             | 17,000                | 22,850                | 23,100                | 23,350                |
| Repayments                                    |                    |                    |                    |                    |                    |                                 |                    |                       |                       |                       |                       |
| Special assessment vouchers                   |                    |                    |                    |                    |                    |                                 |                    |                       | 200,000               | 200,000               | 200,000               |
| Sewer replacements                            |                    |                    |                    | 300,000            | 167,400            | 317,400                         |                    |                       |                       |                       |                       |
| <b>Total Revenues</b>                         | <b>\$11,831</b>    | <b>\$161,383</b>   | <b>\$270,297</b>   | <b>\$528,925</b>   | <b>\$264,950</b>   | <b>\$480,400</b>                | <b>\$109,500</b>   | <b>\$107,000</b>      | <b>\$312,850</b>      | <b>\$313,100</b>      | <b>\$313,350</b>      |
| <b>EXPENSES</b>                               |                    |                    |                    |                    |                    |                                 |                    |                       |                       |                       |                       |
| Unsewered areas                               |                    |                    |                    |                    |                    |                                 |                    |                       |                       |                       |                       |
| Planning                                      | \$0                | \$6,410            | \$1,994            | \$4,055            | \$7,500            | \$2,000                         | \$7,500            | \$7,500               | \$7,500               | \$7,500               | \$7,500               |
| Special assessments                           |                    |                    |                    |                    |                    |                                 |                    |                       | 200,000               | 200,000               | 200,000               |
| Lift station improvements                     |                    |                    |                    |                    |                    |                                 |                    |                       |                       |                       |                       |
| Liberty Park upgrades                         |                    |                    |                    | 10,099             | 900,000            | 800,000                         | 350,000            |                       |                       |                       |                       |
| IEPA Loan Repayment                           | 93,191             | 93,191             | 93,191             | 93,191             | 93,200             | 93,191                          | 93,200             | 93,200                | 93,200                | 93,200                | 93,200                |
| <b>Total Expenses</b>                         | <b>\$93,191</b>    | <b>\$99,601</b>    | <b>\$95,185</b>    | <b>\$107,345</b>   | <b>\$1,000,700</b> | <b>\$895,191</b>                | <b>\$450,700</b>   | <b>\$100,700</b>      | <b>\$300,700</b>      | <b>\$300,700</b>      | <b>\$300,700</b>      |
| Excess (Deficiency) of Revenues over Expenses | (\$81,360)         | \$61,782           | \$175,112          | \$421,579          | (\$735,750)        | (\$414,791)                     | (\$341,200)        | \$6,300               | \$12,150              | \$12,400              | \$12,650              |
| <b>Ending Fund Balance</b>                    | <b>\$1,227,621</b> | <b>\$1,289,403</b> | <b>\$1,464,515</b> | <b>\$1,886,095</b> | <b>\$1,150,345</b> | <b>\$1,471,304</b>              | <b>\$1,130,104</b> | <b>\$1,136,404</b>    | <b>\$1,148,554</b>    | <b>\$1,160,954</b>    | <b>\$1,173,604</b>    |



## IMPROVEMENT FUND

### Summary

The improvement fund is intended to be utilized for sewer system and pump station expansions and improvements. The primary source of revenue to the improvement fund, trunk and lateral sewer service charges, is directly related to development activity within the District. This source of revenue for this fund is projected to continue at current levels over the 5 year plan. As development proceeds, charges are generated and accumulated to construct additional system capacity and improvements, as needed. The unsewered area plan does not currently identify any specific capacity needs to serve remaining unsewered areas in the facility planning area. I/I removal generally provides the most cost-effective way of creating system capacity where needed. The plan anticipates completion of the Liberty Park Lift Station upgrade in FY 18-19. The plan for the improvement fund envisions the gradual accumulation of funds for future improvements or expansions.

### Revenues

1. Trunk and lateral sewer service charges – These charges are projected at \$90,000 annually for the five year period.
2. Interest – Interest is estimated based on the average fund balance each year and an interest rate of 1.5% - 2%.
3. Annual repayments from special assessments – These amounts represent reimbursements from special assessment projects for costs advanced by the improvement fund.

### Expenses

1. Planning for unsewered areas – The plan depicting the locations of proposed sanitary sewers in currently unsewered areas within the District facility planning area was prepared in FY 06-07 and is updated annually.
2. Special assessments in unsewered areas – The improvement fund advances funds to approved special assessment projects and is then reimbursed by the issuance of vouchers for each special assessment project. Exhibit 5 anticipates limited potential future Special Assessment project activity starting in FY 20-21.
3. IEPA Loan Repayment – Repayments to IEPA associated with ARRA-funded collection system projects being repaid from this fund are expected to be \$93,200 per year until the loan principal is fully repaid in 2031.
4. Liberty Park Lift Station Improvements – The budget includes anticipated costs associated with completing the Liberty Park Lift Station upgrade project, begun in FY 17-18.

### Fund Balance

The balance in the improvement fund is projected to be \$1,173,604 on April 30, 2023. Future expenses for sewer extensions into unsewered areas will be determined based upon the maintenance of an adequate balance in this fund.

DOWNERS GROVE SANITARY DISTRICT  
 FIVE YEAR FINANCIAL PLAN  
 PUBLIC BENEFIT FUND  
 FISCAL YEARS 2018-19 TO 2022-23

EXHIBIT 6

|  | FY 13-14<br>Actual | FY 14-15<br>Actual | FY 15-16<br>Actual | FY 16-17<br>Actual | FY 17-18<br>Budget | FY 17-18<br>Projected<br>Actual | FY 18-19<br>Budget | FY 19-20<br>Projected | FY 20-21<br>Projected | FY 21-22<br>Projected | FY 22-23<br>Projected |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>REVENUES</b>                                  |                    |                    |                    |                    |                    |                                 |                    |                       |                       |                       |                       |
| Interest   | \$15               | \$2                | \$66               | \$260              | \$200              | \$300                           | \$550              | \$550                 | \$750                 | \$750                 | \$800                 |
| Total Revenues                                   | \$15               | \$2                | \$66               | \$260              | \$200              | \$300                           | \$550              | \$550                 | \$750                 | \$750                 | \$800                 |
| <b>EXPENSES</b>                                  |                    |                    |                    |                    |                    |                                 |                    |                       |                       |                       |                       |
| Sewer deepening                                  | \$45,403           | \$0                | \$0                | \$0                | \$0                | \$0                             | \$0                | \$0                   | \$0                   | \$0                   | \$0                   |
| Total Expenses                                   | \$45,403           | \$0                | \$0                | \$0                | \$0                | \$0                             | \$0                | \$0                   | \$0                   | \$0                   | \$0                   |
| Excess (Deficiency) of Revenues<br>over Expenses | (\$45,388)         | \$2                | \$66               | \$260              | \$200              | \$300                           | \$550              | \$550                 | \$750                 | \$750                 | \$800                 |
| Ending Fund Balance                              | \$35,250           | \$35,252           | \$35,317           | \$35,577           | \$35,777           | \$35,877                        | \$36,427           | \$36,977              | \$37,727              | \$38,477              | \$39,277              |

## PUBLIC BENEFIT FUND

### Summary

The public benefit fund may only be used to pay for the portion of sewer extensions or sewer special assessments which the Board of Trustees deems to be of benefit to an area larger than the immediate service area. The projected balance in this fund as of April 30, 2018 is \$35,877.

### Revenues

Interest is estimated at 1.5% - 2% on the average fund balance.

### Expenses

There are no planned expenses over the duration of the five year plan.

### Fund Balance

The remaining fund balance at the end of FY 22-23, projected to be \$39,277, will be available to fund improvements with public benefit.

When this fund is depleted, the tax cap limitation would prevent the District from adopting a tax levy for public benefit without decreasing the general corporate levy for sewer system repairs by an identical amount. As funding of any future public benefit expenditures may be made from the improvement or general corporate funds, it would not be necessary to continue the public benefit fund.

## PROJECTS NOT INCLUDED IN PLAN

There are several major projects which have not been included in this financial plan. As these projects may be incorporated into the plan in a future update, it is useful to list them for reference.

### I. WWTC

#### A. Improvements/Enhancements

1. Capacity expansion from 11.0 MGD to 12.0 MGD and from 12.0 MGD to 15.0 MGD as needed.
2. Additional sludge drying beds.
3. Increase paved area for sludge treatment and storage.
4. Additional covered storage area for biosolids.
5. Improved thickening of waste activated sludge.
6. Phosphorous and nitrogen removal processes.
7. Improved odor control facilities.
8. Secondary clarifier feed flow splitter.
9. Aeration tank feed flow splitter.

#### B. Replacements

1. Influent bar screens.
2. Raw sewage pumps nos. 1 – 5.
3. Excess clarifier sludge scraping equipment.

#### C. Investigate/evaluate

1. Alternate sludge processes.
2. Alternate sludge disposal methods.

### II. SEWER SYSTEM

- A. Permanent flow metering network.
- B. Purchase of sewer grouting equipment.

### III. LIFT STATIONS

- A. Install odor control equipment at the Butterfield, Centex, College, Liberty Park, Northwest, Venard and Wroble lift stations.
- B. Major upgrades to Butterfield, Centex and College lift stations
- C. Second NWLS forcemain crossing under I-355.

### IV. ADMINISTRATION

- A. Relocate office to WWTC site.