

DOWNERS GROVE SANITARY DISTRICT
FIVE YEAR FINANCIAL PLAN
FISCAL YEARS 2020-2021 TO 2024-2025

Approved 03/17/20

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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, 2020 to April 30, 2025. The plan contains separate projections for the combined general corporate and replacement fund (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. After FY 2020-21, 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. The FY 2020-21 non-sewer annual replacement, rehabilitation and upgrade expenses budget represents about 225% of the FY 2018-19 annual depreciation of non-sewer fixed assets.

The user rate is proposed to increase from the current level of \$1.70 per 1,000 gallons to \$1.80 per 1,000 gallons for FY 2020-21 with \$0.15 increases projected again in FY 2021-22, FY 2022-23 and FY 2023-24 and a \$0.25 increase projected in FY 2024-25. A higher user rate increase is projected for FY 2024-25 in anticipation of the use of phosphorus reducing chemicals needed to meet a total phosphorus permit limit. Monthly service fees are proposed to remain at the current amount of \$17.00 through FY 2024-25. This accommodates the desired levels of sewer system replacement and rehabilitation expenditures while keeping up with inflation. The surcharge rates are proposed to increase by approximately ten percent for FY 2020-21 and FY 2021-22 with a larger increase proposed in FY 2024-25 due to an anticipated phosphorus limit. Other user charges such as 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 receipt of grant funding associated with recent energy-related improvements was

an additional revenue source in FY 2019-20. Construction of a chemical feed system for phosphorus removal is anticipated in FY 2023-24 and FY 2024-25.

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. Renovation of the Centex Lift Station is anticipated in FY 2021-22.

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 2020-2021 to 2024-2025

EXHIBIT 1

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 20-21 Appropriation	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
11. Administration												
A. Salary & Wages												
001. Trustees	\$18,000	\$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	213,764	220,051	212,437	234,862	463,000	348,861	244,200		252,750	261,600	270,750	280,250
004. Financial Records	209,439	181,647	186,692	197,403	193,400	203,449	194,400		201,200	208,250	215,550	223,100
005. Administrative Records	39,398	42,091	40,688	49,549	61,500	28,712	25,300		26,200	27,100	28,050	29,000
006. Engineering						9,153	12,350		12,800	13,250	13,700	14,200
007. Code Enforcement	302,401	306,940	328,764	375,864	354,300	421,150	372,400		385,450	398,950	412,900	427,350
008. Safety Activities	1,747	784	1,212	810	2,550	12,095	22,250		23,000	23,800	24,650	25,500
030. Building & Grounds	5,661	5,629	1,988	1,333	0	302	1,500		1,550	1,600	1,650	1,750
Subtotal	\$790,410	\$775,142	\$789,783	\$877,821	\$1,093,650	\$1,041,721	\$891,300	\$1,020,000	\$921,850	\$953,450	\$986,150	\$1,020,050
B. Operation & Maintenance												
100. Electricity	\$3,733	\$3,228	\$5,092	\$2,118	\$4,000	\$3,091	\$4,000		\$4,250	\$4,500	\$4,750	\$5,050
101. Natural Gas	647	1,053	1,161	1,278	3,000	1,829	3,000		3,100	3,200	3,300	3,400
102. Water, Garbage, Other	817	858	1,316	454	1,150	990	1,200		1,200	1,250	1,250	1,300
110. Bank Charges	21,652	16,000	15,709	14,746	18,500	15,091	18,000		18,400	18,700	19,100	19,500
112. Communication	13,874	16,413	12,907	13,883	16,000	16,076	19,300		19,700	20,100	20,500	20,800
113. Emergency/Safety Eqpt							42,000		17,900	19,300	15,800	19,300
115. Eqpt/Eqpt Repair	74,037	103,498	86,011	87,084	81,500	81,000	93,000		107,000	111,000	108,000	90,000
116. Supplies	3,395	5,741	6,811	6,792	7,300	8,667	7,500		7,600	7,700	7,800	7,900
117. Employee/Duty Costs	19,724	16,052	10,280	11,050	13,000	19,089	20,000		20,400	20,700	21,100	21,500
118. Building & Grounds	13,004	16,680	53,584	12,541	24,000	24,821	34,000		103,000	64,000	43,000	25,000
119. Postage	7,830	8,223	6,262	6,308	11,500	6,988	9,500		8,000	8,300	9,700	9,100
120. Printing/Photography	10,551	9,705	7,935	11,509	11,400	11,350	12,000		12,000	12,000	12,500	12,500
121. User Billing Material	66,947	65,076	60,735	64,580	74,500	63,158	76,000		76,300	76,500	76,900	74,500
124. Contract Services	64,181	73,879	92,766	135,569	119,700	95,380	102,000		102,500	106,500	106,550	111,100
137. Memberships/Subscriptions	11,345	11,554	9,929	6,969	10,700	9,713	11,100		11,100	11,100	11,200	11,200
Subtotal	\$311,736	\$347,961	\$370,498	\$374,883	\$396,250	\$357,244	\$452,600	\$540,000	\$512,450	\$484,850	\$461,450	\$432,150
C. Vehicles												
222. Gas/Fuel	\$914	\$859	\$933	\$858	\$1,800	\$1,494	\$2,000		\$2,000	\$2,100	\$2,100	\$2,200
225. Operation/Repair	365	429	334	1,113	1,400	2,330	2,600		2,650	2,700	2,750	2,800
226. Vehicle Purchase	9,256	0	0	0	0	0	0		14,000	14,500	15,000	0
Subtotal	\$10,534	\$1,288	\$1,267	\$1,971	\$3,200	\$3,824	\$4,600	\$10,000	\$18,650	\$19,300	\$19,850	\$5,000
TOTALS	\$1,112,681	\$1,124,391	\$1,161,547	\$1,254,674	\$1,493,100	\$1,402,789	\$1,348,500	\$1,570,000	\$1,452,950	\$1,457,600	\$1,467,450	\$1,457,200

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2020-2021 to 2024-2025

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	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 20-21 Appropriation	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
12. Wastewater Treatment Center												
A. Salary & Wages												
006. Engineering						\$23,317	\$36,500		\$37,800	\$39,100	\$40,450	\$41,900
009. Oper. Management	\$112,177	\$117,227	\$112,052	\$99,519	\$23,450	107,290	104,100		107,750	111,550	115,450	119,500
010. Maintenance	461,136	475,079	498,714	542,819	582,600	496,068	530,050		548,600	567,800	587,650	608,250
020. WWTC	482,983	484,585	513,848	531,533	617,400	558,611	576,400		596,600	617,500	639,100	661,450
030. Building & Grounds	38,198	59,807	65,648	57,751	50,500	89,149	137,350		142,150	147,100	152,250	157,600
Subtotal	\$1,094,494	\$1,136,698	\$1,190,263	\$1,231,621	\$1,273,950	\$1,274,434	\$1,384,400	\$1,590,000	\$1,432,900	\$1,483,050	\$1,534,900	\$1,588,700
B. Operation & Maintenance												
100. Electricity	\$190,174	\$188,832	\$140,576	\$75,263	\$72,000	\$87,297	\$109,000		\$50,000	\$53,000	\$56,200	\$59,550
101. Natural Gas	4,321	6,600	6,820	6,010	12,000	8,289	10,000		10,600	11,250	11,950	12,650
102. Water, Garbage, Other	36,423	36,131	28,603	22,573	33,000	22,615	36,000		37,100	38,200	39,350	40,500
103. Odor Control	2,997	10,574	4,591	3,603	30,000	7,285	4,000		4,100	4,250	4,350	4,500
104. Fuel - Generators	7,688	1,731	16,023	15,301	15,500	7,063	14,000		14,400	14,850	15,300	15,750
112. Communication	10,554	12,907	15,620	15,094	17,500	16,439	20,000		20,000	20,200	20,300	20,500
113. Emergency/Safety Eqpt	12,375	18,943	9,538	15,005	17,200	13,990	9,500		9,800	10,100	10,400	10,700
400. Chemicals	62,145	100,026	84,369	127,772	111,700	119,485	120,650		124,250	128,000	131,850	657,800
500. Eqpt/Eqpt Repair	928,720	714,380	763,286	642,336	1,407,100	921,080	2,687,850		1,132,450	911,950	1,026,000	931,300
116. Supplies	41,080	28,716	29,175	27,058	29,750	35,734	32,300		32,550	33,500	34,550	35,550
117. Employee/Duty Costs	16,030	18,680	22,151	19,573	25,000	21,265	26,000		26,500	27,000	27,500	28,000
800. Building & Grounds	261,251	285,646	200,700	222,016	257,700	254,972	301,950		237,150	251,000	232,650	264,400
124. Contract Services	82,796	85,280	127,218	131,034	203,700	203,705	209,800		216,100	222,600	24,950	25,700
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	64,274	80,000	134,005	80,000		20,000	10,000	10,000	10,000
Subtotal	\$1,709,553	\$1,561,447	\$1,521,669	\$1,439,911	\$2,365,150	\$1,906,223	\$3,714,050	\$4,460,000	\$1,988,000	\$1,788,900	\$1,698,350	\$2,169,900
C. Vehicles												
222. Gas/Fuel	\$19,652	\$12,376	\$18,255	\$16,834	\$30,000	\$20,979	\$29,000		\$29,850	\$30,750	\$31,700	\$32,650
225. Operation/Repair	9,655	3,594	9,911	10,073	7,500	6,456	8,000		8,250	8,500	8,750	9,000
226. Vehicle Purchase	28,473	0	4,851	10,778	41,000	42,746	10,000		60,500	41,000	26,000	71,000
Subtotal	\$57,780	\$15,969	\$33,017	\$37,685	\$78,500	\$70,182	\$47,000	\$60,000	\$98,600	\$80,250	\$66,450	\$112,650
TOTALS	\$2,861,828	\$2,714,115	\$2,744,949	\$2,709,217	\$3,717,600	\$3,250,839	\$5,145,450	\$6,110,000	\$3,519,500	\$3,352,200	\$3,299,700	\$3,871,250

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13. Laboratory												
A. Salary & Wages												
009. Oper. Management	\$65,021	\$67,465	\$54,228	\$75,106	\$64,600	\$72,273	\$82,250		\$85,150	\$88,150	\$91,200	\$94,400
040. Laboratory	128,283	131,733	156,506	145,486	170,850	162,660	166,950		172,750	178,800	185,100	191,550
Subtotal	\$193,304	\$199,198	\$210,735	\$220,591	\$235,450	\$234,933	\$249,200	\$290,000	\$257,900	\$266,950	\$276,300	\$285,950
B. Operation & Maintenance												
114. Chemicals	\$12,051	\$8,328	\$9,566	\$11,478	\$17,200	\$16,914	\$17,800		\$18,500	\$19,300	\$20,000	\$20,800
115. Eqpt/Eqpt Repair	5,851	68,634	29,948	18,238	16,200	16,472	16,000		70,500	36,000	32,000	35,000
116. Supplies	11,869	14,505	11,721	8,171	20,750	12,728	21,100		22,000	22,800	23,800	24,700
117. Employee/Duty Costs	2,489	2,307	2,498	3,039	5,500	1,943	5,600		5,700	5,800	5,900	6,000
122. Monitoring Equipment	3,395	5,674	377	769	9,000	6,634	9,000		4,000	9,000	4,000	9,000
123. Outside Lab Services	14,180	17,033	13,344	16,701	19,050	16,481	19,700		20,500	21,300	22,200	23,100
Subtotal	\$49,835	\$116,480	\$67,454	\$58,395	\$87,700	\$71,171	\$89,200	\$110,000	\$141,200	\$114,200	\$107,900	\$118,600
C. Vehicles												
222. Gas/Fuel	\$333	\$299	\$392	\$362	\$500	\$519	\$550		\$550	\$550	\$600	\$600
225. Operation/Repair	141	168	96	106	200	1,271	200		200	200	250	250
226. Vehicle Purchase	0	6,762	0	0	0	0	0		0	14,500	0	0
Subtotal	\$474	\$7,230	\$487	\$469	\$700	\$1,789	\$750	\$10,000	\$750	\$15,250	\$850	\$850
TOTALS	\$243,613	\$322,907	\$278,675	\$279,455	\$323,850	\$307,893	\$339,150	\$410,000	\$399,850	\$396,400	\$385,050	\$405,400

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	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 20-21 Appropriation	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
14. Collection System												
A. Salary & Wages												
006. Engineering						\$9,545	\$15,350		\$15,900	\$16,450	\$17,000	\$17,600
050. Sewer Maintenance	\$139,670	\$152,688	\$161,571	\$184,433	\$163,350	187,604	203,500		210,650	218,000	225,650	233,550
060. Inspection	279,822	280,008	271,723	295,613	271,300	204,231	244,600		253,150	262,050	271,200	280,700
070. Investigations	10,557	10,733	10,595	9,245	12,150	3,092	10,250		10,600	10,950	11,350	11,750
Subtotal	\$430,049	\$443,429	\$443,889	\$489,291	\$446,800	\$404,472	\$473,700	\$540,000	\$490,300	\$507,450	\$525,200	\$543,600
B. Operation & Maintenance												
112. Communication	7,121	8,987	8,534	7,605	10,500	8,632	11,500		11,600	11,700	11,800	11,900
113. Emer/Safety Equipment	1,786	9,558	4,697	1,031	5,050	2,731	4,350		4,000	3,600	3,700	3,800
115. Eqpt/Eqpt Repair	56,623	198,834	73,191	27,514	45,450	51,008	59,450		57,000	67,700	69,700	86,800
116. Supplies	5,609	4,026	4,893	4,943	5,500	4,573	4,000		5,600	5,800	5,950	6,150
117. Employee/Duty Costs	7,289	11,967	9,951	7,708	13,500	9,786	13,500		13,700	14,000	14,200	14,500
124. Contract Services	135,226	81,513	71,093	107,940	132,100	162,665	105,000		105,000	105,000	105,000	105,000
900. Collection System Repair	1,018,488	1,889,063	1,887,222	1,972,430	1,481,600	1,345,915	1,631,600		2,181,600	2,181,600	2,181,600	2,181,600
127. JULIE	16,093	16,950	17,386	16,526	16,900	16,236	16,750		17,300	17,850	18,400	18,950
128. Overhead Sewer Program	18,961	6,633	11,080	22,634	15,000	11,088	15,000		15,000	15,000	15,000	15,000
129. Public Sewer Blockage Program	5,583	16,379	3,232	5,426	12,000	4,000	12,000		12,000	12,000	12,000	12,000
Subtotal	\$1,272,780	\$2,243,910	\$2,091,278	\$2,173,756	\$1,737,600	\$1,616,634	\$1,873,150	\$2,250,000	\$2,422,800	\$2,434,250	\$2,437,350	\$2,455,700
C. Vehicles												
222. Gas/Fuel	\$13,935	\$10,023	\$14,490	\$13,263	\$26,500	\$14,462	\$26,000		\$27,550	\$29,200	\$30,950	\$32,800
225. Operation/Repair	2,404	8,841	10,189	6,188	6,500	13,054	6,700		6,900	7,100	7,300	7,550
226. Vehicle Purchase	133	0	36,242	411	20,000	25,720	44,500		(10,000)	0	325,000	18,000
Subtotal	\$16,472	\$18,863	\$60,921	\$19,862	\$53,000	\$53,237	\$77,200	\$90,000	\$24,450	\$36,300	\$363,250	\$58,350
TOTALS	\$1,719,301	\$2,706,203	\$2,596,088	\$2,682,909	\$2,237,400	\$2,074,343	\$2,424,050	\$2,880,000	\$2,937,550	\$2,978,000	\$3,325,800	\$3,057,650

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15. Lift Stations												
A. Salary & Wages												
006. Engineering						\$2,801	\$3,900		\$4,000	\$4,150	\$4,300	\$4,450
009. Oper. Management	\$94	\$350	\$5,734	\$9,494	\$450	3,545	9,900		10,250	10,600	11,000	11,400
030. Building & Grounds	750	1,274	1,943	1,355	0	3,422	9,200		9,550	9,900	10,250	10,600
080. Lift Station Maint.	38,896	36,061	73,740	69,327	70,050	68,148	77,400		80,100	82,900	85,800	88,800
Subtotal	\$39,740	\$37,685	\$81,418	\$80,176	\$70,500	\$77,915	\$100,400	\$120,000	\$103,900	\$107,550	\$111,350	\$115,250
B. Operation & Maintenance												
100. Electricity	\$102,003	\$102,568	\$109,875	\$115,955	\$123,450	\$120,268	\$127,500		\$135,150	\$143,250	\$151,850	\$160,950
104. Fuel - Generators	2,595	3,600	3,337	3,729	5,000	3,000	4,500		4,650	4,800	4,950	5,100
112. Communication	5,892	3,932	4,040	4,228	5,500	4,428	6,000		6,000	6,000	6,000	6,000
113. Emer/Safety Eqpt.	0	145	74	0	250	354	1,000		1,100	1,100	1,100	1,200
500. Eqpt/Eqpt Repair	161,721	145,386	93,296	155,538	171,200	110,872	105,300		98,250	123,000	130,550	127,800
116. Supplies	215	493	387	432	400	173	400		450	450	450	500
800. Building & Grounds	18,480	14,140	61,657	36,795	46,900	72,698	57,700		68,950	42,250	47,700	48,850
Subtotal	\$290,906	\$270,264	\$272,665	\$316,677	\$352,700	\$311,793	\$302,400	\$360,000	\$314,550	\$320,850	\$342,600	\$350,400
TOTALS	\$330,645	\$307,949	\$354,083	\$396,853	\$423,200	\$389,708	\$402,800	\$480,000	\$418,450	\$428,400	\$453,950	\$465,650
17. Insurance & Employee Benefits												
E. Insurance & Payroll												
452. Liability/Property	\$201,984	\$203,477	\$182,779	\$173,012	\$192,500	\$189,830	\$208,000		\$214,000	\$214,000	\$215,000	\$215,000
455. Employee Group Coverage	409,005	429,914	456,818	509,573	529,250	477,832	514,000		548,000	580,000	614,000	650,000
460. I.M.R.F.	310,245	297,755	311,454	320,556	277,350	256,686	318,000		339,050	362,050	385,100	411,100
461. Social Security	189,946	192,335	209,026	213,468	235,150	213,535	232,000		240,000	249,000	257,000	266,000
TOTALS	\$1,111,180	\$1,123,481	\$1,160,077	\$1,216,608	\$1,234,250	\$1,137,882	\$1,272,000	\$1,460,000	\$1,341,050	\$1,405,050	\$1,471,100	\$1,542,100
GRAND TOTALS	\$7,379,248	\$8,299,047	\$8,295,420	\$8,539,717	\$9,429,400	\$8,563,454	\$10,931,950	\$12,910,000	\$10,069,350	\$10,017,650	\$10,403,050	\$10,799,250

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2020-2021 to 2024-2025

EXHIBIT 1

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 20-21 Appropriation	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
REVENUES												
User receipts	\$3,195,706	\$3,107,149	\$3,181,525	\$3,132,389	\$3,315,400	\$3,125,540	\$3,451,000	\$3,451,000	\$3,268,800	\$3,859,700	\$4,054,900	\$4,398,500
Surcharges	343,098	352,938	335,186	333,079	325,000	344,219	375,000	375,000	425,000	425,000	425,000	525,000
Monthly service fees	2,842,996	3,201,483	3,571,582	3,843,884	4,069,100	4,101,926	4,120,800	4,120,800	4,120,800	4,120,800	4,120,800	4,120,800
Plan review fees	642	0	2,481	364	1,000	618	2,000	2,000	3,000	4,000	4,000	4,000
Const inspection fees	462	928	0	0	500	150	500	500	500	500	500	500
Permit inspection fees	25,505	24,366	27,661	25,810	22,000	24,903	22,000	22,000	22,000	22,000	22,000	22,000
Interest	5,333	7,111	14,562	43,087	35,000	52,866	38,000	38,000	38,000	38,000	38,000	38,000
Sampling & monitoring charges	79,421	88,834	94,702	100,401	70,000	104,993	72,500	72,500	75,000	77,500	80,000	82,500
Real estate taxes	1,105,162	1,126,923	1,144,467	1,183,080	1,188,550	1,219,187	1,254,500	1,254,500	1,290,900	1,328,300	1,366,800	1,406,400
Television inspection fees	159	227	0	0	150	0	150	150	150	150	150	150
Replacement taxes	84,306	88,559	72,184	74,500	75,000	75,824	75,000	75,000	75,000	75,000	75,000	75,000
Lease payments	33,096	33,043	33,375	33,899	33,500	34,340	34,850	34,850	35,350	35,800	36,300	36,800
Miscellaneous	6,984	29,070	15,017	14,225	10,000	13,482	10,000	10,000	10,000	10,000	10,000	10,000
Grease Waste	160,384	213,518	201,690	224,488	220,000	202,995	200,000	200,000	220,000	220,000	220,000	220,000
Renewable Energy Credits			4,644	11,627	3,000	3,722	3,000	3,000	3,000	3,000	3,000	3,000
TOTAL REVENUES	\$7,883,253	\$8,274,150	\$8,699,075	\$9,020,833	\$9,368,200	\$9,304,765	\$9,659,300	\$9,659,300	\$9,587,500	\$10,219,750	\$10,456,450	\$10,942,650
TOTAL EXPENSES	\$7,379,248	\$8,299,047	\$8,295,420	\$8,539,717	\$9,429,400	\$8,563,454	\$10,931,950	\$12,910,000	\$10,069,350	\$10,017,650	\$10,403,050	\$10,799,250
EXCESS (DEFICIT) REVENUES OVER EXPENSES	\$504,005	(\$24,897)	\$403,655	\$481,117	(\$61,200)	\$741,311	(\$1,272,650)	(\$3,250,700)	(\$481,850)	\$202,100	\$53,400	\$143,400
ENDING FUND BALANCE	\$2,417,752	\$2,392,855	\$2,796,510	\$3,277,627	\$3,216,427	\$4,018,938	\$2,746,288	\$768,238	\$2,264,438	\$2,466,538	\$2,519,938	\$2,663,338
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	\$1,597,752	\$1,572,855	\$1,976,510	\$2,457,627	\$2,396,427	\$3,198,938	\$1,926,288		\$1,444,438	\$1,646,538	\$1,699,938	\$1,843,338
ENDING FUND BALANCE AS PERCENTAGE OF TOTAL EXPENSES	33%	29%	34%	38%	34%	47%	25%		22%	25%	24%	25%
USER RATE	\$1.65	\$1.65	\$1.65	\$1.65	\$1.70	\$1.70	\$1.80		\$1.95	\$2.10	\$2.25	\$2.50
INCREASE FROM PRIOR YEAR'S RATE	0.0%	0.0%	0.0%	0.0%	3.0%	3.0%	5.9%		8.3%	7.7%	7.1%	11.1%
MONTHLY SERVICE FEE	\$12.00	\$13.50	\$15.00	\$16.00	\$17.00	\$17.00	\$17.00		\$17.00	\$17.00	\$17.00	\$17.00
INCREASE FROM PRIOR YEAR'S FEE	9.1%	12.5%	11.1%	6.7%	6.3%	6.3%	0.0%		0.0%	0.0%	0.0%	0.0%

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 2020-21 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 2020-21 are budgeted at \$10,931,950 and actual expenditures are expected to be 100% of budget. Actual expenditures for FY 2019-20 are projected to be \$8,543,754, which is approximately 9% less than was budgeted. For the past few years, the ending fund balance has been above the target level, which is 25% of the total annual expenses. The increase in expenditures in FY 2020-21 is planned in order to spend down the surplus on projects that were slated for FY 2019-20 that were not completed as well as projects necessary to improve the operation of the WWTC, as discussed in further detail below. 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 & M Budget</u>	<u>Actual Expenditures</u>	<u>% of Actual to Budget</u>	<u>Annual Increase in Actual Expenditures</u>
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	8,295,420	94%	0.0%
2018-19	9,204,250	8,539,717	93%	2.9%
2019-20	9,429,400	8,563,454*	91%*	0.3%*
2020-21	10,931,950	10,931,950*	100%*	28.0%*
2021-22	10,069,350	10,069,350*	100%*	-7.9%*
2022-23	10,017,650	10,017,650*	100%*	-0.5%*
2023-24	10,403,500	10,403,500*	100%*	3.8%*
2024-25	10,799,250	10,799,250*	100%*	3.8%*

*projected

Increases in FY 2010-11 represent sewer system rehabilitation and replacement projects leveraging ARRA funding that was available in that time period, with the decrease in FY 2011-12 representing the end of this program funding opportunity. The decrease in FY 2012-13 was primarily due to reduced operating costs associated with low rainfall totals during this period. The increase from FY 2015-16 to FY 2016-17 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 2017-18 to FY 2018-19 represents an increase in the annual expenditures for sewer replacement and rehabilitation. The projected increase from FY 2019-20 to FY 2020-21 is due to carryover of FY 2019-20 projects as well as CHP engine

replacement and solids handling projects. These improvements will enhance the operation of the existing facilities to reduce future operating expenses. The increase in FY 2023-24 reflects the replacement of the heavy duty sewer system jetter/vacuum truck. The increase in FY 2024-25 includes the addition of phosphorus reducing chemicals. This expense is partially offset by discontinuation of the DRSCW special assessment for stream restoration projects after FY 2022-23.

Analysis by Type of Expenditure

I. Salaries and Wages

<u>Year</u>	<u>Salaries and Wages</u>	<u>Change</u>	<u>Full Time Equivalents</u>
FY 2015-16	2,547,998	0.1%	36.4
FY 2016-17	2,592,153	1.7%	37.1
FY 2017-18	2,716,088	4.8%	37.8
FY 2018-19	2,899,501	6.8%	38.7
FY 2019-20	3,033,475	4.6%	38.5
FY 2020-21	3,099,000	2.2%	38.8
FY 2021-22	3,206,850	3.5%	38.6
FY 2022-23	3,318,450	3.5%	38.6
FY 2023-24	3,433,900	3.5%	38.6
FY 2024-25	3,553,550	3.5%	38.6

The small increase in FY 2015-16 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 2016-17 reflects turnover in the sewer system department and normal salary adjustments with nearly full staffing. Increases in FY 2017-18 and FY 2018-19 reflect turnover at the sewer technician position and some overlapping hires needed to address pending retirements. The increase in FY 2019-20 reflects the retirement of an inspector, the addition of a staff engineering position, and some overlapping hires needed to address pending retirements. The increase in FY 2020-21 is lower than previously years as it reflects turnover at two higher salary positions, the general manager and sewer construction supervisor positions, due to retirement. Hiring of an additional full time mechanic is also reflected in FY 2020-21. After FY 2020-21, 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 2015-16	338,117	-19.9%
FY 2016-17	339,270	0.3%
FY 2017-18	293,443	-13.5%
FY 2018-19	223,652	-23.8%
FY 2019-20	244,379	9.3%
FY 2020-21	290,700	19.0%
FY 2021-22	241,400	-17.0%
FY 2022-23	254,650	5.5%
FY 2023-24	268,650	5.5%
FY 2024-25	283,400	5.5%

The first phase of the CHP gas utilization system was started up during FY 2014-15, and FY 2015-16 reductions in utility costs reflect resulting reduced electricity usage. Further reductions in FY 2017-18 and FY 2018-19 reflect implementation of the second phase of the CHP gas utilization system. The increases in FY 2019-20 and FY 2020-21 are due to one of the CHP gas utilization systems being out of service. The out of service CHP system is planned for replacement in FY 2020-21, and the projected decrease in FY 2021-22 reflects the expected decrease in electrical expenses with the second system in service. 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 & M Expenses - Excluding Utilities</u>	<u>Change</u>
FY 2015-16	3,296,692	3.1%
FY 2016-17	4,200,792	27.4%
FY 2017-18	4,030,120	-4.1%
FY 2018-19	4,139,970	2.7%
FY 2019-20	4,018,686	-2.9%
FY 2020-21	6,140,700	52.8%
FY 2021-22	5,137,600	-16.3%
FY 2022-23	4,888,400	-4.9%
FY 2023-24	4,779,000	-2.2%
FY 2024-25	5,243,350	9.7%

The increase from FY 2015-16 to FY 2016-17 was due to completion of new and ongoing sewer replacement and rehab projects and new televising equipment in the sewer TV truck. The increase from FY 2017-18 to FY 2018-19 represents an increase in the annual expenditures for sewer replacement and rehabilitation. The planned FY 2020-21 expenses are significantly higher than previous years due to replacement of a CHP engine, a cover for three sludge drying beds and a composting pilot as well as the WAS thickener project not being completed in FY 2019-20 as originally planned. All these projects will improve operations. In general, expenses over the next five years are increased in comparison to the last five years to address aging infrastructure and to improve operating performance. FY 2024-25 also reflects the addition of phosphorus removing chemicals in anticipation of a future total phosphorus limit. Major planned expenses are detailed in Exhibit 2.

IV. Vehicles

<u>Year</u>	<u>Vehicles</u>	<u>Replacements</u>	<u>Change</u>
FY 2015-16	85,260	4	-30.1%
FY 2016-17	43,351	1	-49.2%
FY 2017-18	95,692	2	120.7%
FY 2018-19	59,986	1	-37.3%
FY 2019-20	129,032	3	115.1%
FY 2020-21	129,550	3	0.4%
FY 2021-22	142,450	4	10.0%
FY 2022-23	151,100	4	6.1%
FY 2023-24	450,400	4	198.1%
FY 2024-25	176,850	4	-60.7%

Vehicle expenses fluctuate based on vehicle replacement needs and average \$146,367 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. Replacement of the heavy duty sewer system jetter/vacuum truck is anticipated in FY 2023-24. 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 2015-16	1,111,180	-11.8%
FY 2016-17	1,123,481	1.1%
FY 2017-18	1,160,077	3.3%
FY 2018-19	1,216,608	4.9%
FY 2019-20	1,137,882	-6.5%
FY 2020-21	1,272,000	11.8%
FY 2021-22	1,341,050	5.4%
FY 2022-23	1,405,050	4.8%
FY 2023-24	1,471,100	4.7%
FY 2024-25	1,542,100	4.8%

The proposed increases in these expenditures are due to anticipated premium increases on all coverages, particularly employee group, workers compensation, property and liability. While premium rates related to property and liability lines of coverage are trending generally flat, workers compensation premiums are anticipated to have greater variability over the next few years. Projected increases in the District's IMRF contribution rate are due to a decrease in the IMRF assumed earnings rate and anticipated retirement activity in the near future.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2020-2021 to 2024-2025

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 20-21 Appropriation	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
ADMINISTRATION												
SALARIES AND WAGES	\$790,410	\$775,142	\$789,783	\$877,821	\$1,093,650	\$1,041,721	\$891,300	\$1,020,000	\$921,850	\$953,450	\$986,150	\$1,020,050
% CHANGE FROM PRIOR YEAR	2.0%	-1.9%	1.9%	11.1%	24.6%	18.7%	-14.4%		3.4%	3.4%	3.4%	3.4%
OFFICE EXPENSES	\$311,736	\$347,961	\$370,498	\$374,883	\$396,250	\$357,244	\$452,600	\$540,000	\$512,450	\$484,850	\$461,450	\$432,150
% CHANGE FROM PRIOR YEAR	-10.6%	11.6%	6.5%	1.2%	5.7%	-4.7%	26.7%		13.2%	-5.4%	-4.8%	-6.3%
VEHICLE EXPENSES	\$10,534	\$1,288	\$1,267	\$1,971	\$3,200	\$3,824	\$4,600	\$10,000	\$18,650	\$19,300	\$19,850	\$5,000
% CHANGE FROM PRIOR YEAR	-41.8%	-87.8%	-1.7%	55.6%	62.4%	94.0%	20.3%		305.4%	3.5%	2.8%	-74.8%
TOTAL ADMINISTRATION EXPENSES	\$1,112,681	\$1,124,391	\$1,161,547	\$1,254,674	\$1,493,100	\$1,402,789	\$1,348,500	\$1,570,000	\$1,452,950	\$1,457,600	\$1,467,450	\$1,457,200
% CHANGE FROM PRIOR YEAR	-2.6%	1.1%	3.3%	8.0%	19.0%	11.8%	-3.9%		7.7%	0.3%	0.7%	-0.7%

COMMENTS

Salaries and Wages

Salary levels generally increase with projected salary adjustments. The higher salary level in FY 19-20 was a result of succession planning for the general manager position.

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, FY 22-23 and FY 23-24.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2020-2021 to 2024-2025

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 20-21 Appropriation	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
WASTEWATER TREATMENT CENTER												
SALARIES AND WAGES	\$1,094,494	\$1,136,698	\$1,190,263	\$1,231,621	\$1,273,950	\$1,274,434	\$1,384,400	\$1,590,000	\$1,432,900	\$1,483,050	\$1,534,900	\$1,588,700
% CHANGE FROM PRIOR YEAR	-3.7%	3.9%	4.7%	3.5%	3.4%	3.5%	8.6%		3.5%	3.5%	3.5%	3.5%
OPERATION & MAINTENANCE EXPENSES	\$1,709,553	\$1,561,447	\$1,521,669	\$1,439,911	\$2,365,150	\$1,906,223	\$3,714,050	\$4,460,000	\$1,988,000	\$1,788,900	\$1,698,350	\$2,169,900
% CHANGE FROM PRIOR YEAR	-4.5%	-8.7%	-2.5%	-5.4%	64.3%	32.4%	94.8%		-46.5%	-10.0%	-5.1%	27.8%
VEHICLE EXPENSES	\$57,780	\$15,969	\$33,017	\$37,685	\$78,500	\$70,182	\$47,000	\$50,000	\$98,600	\$80,250	\$66,450	\$112,650
% CHANGE FROM PRIOR YEAR	7.9%	-72.4%	106.8%	14.1%	108.3%	86.2%	-33.0%		109.8%	-18.6%	-17.2%	69.5%
TOTAL PLANT EXPENSES	\$2,861,828	\$2,714,115	\$2,744,949	\$2,709,217	\$3,717,600	\$3,250,839	\$5,145,450	\$6,100,000	\$3,519,500	\$3,352,200	\$3,299,700	\$3,871,250
% CHANGE FROM PRIOR YEAR	-3.9%	-5.2%	1.1%	-1.3%	37.2%	20.0%	58.3%		-31.6%	-4.8%	-1.6%	17.3%

COMMENTS

Salaries and Wages WWTC salaries and wages reflect full staffing, including an additional mechanic starting in FY 20-21, and projected annual salary adjustments.

Operation and Maintenance Operation and maintenance expenses include sludge handling improvements and replacement of one CHP engine in FYE 20-21. Completion of the WAS thickener project, which was originally intended to be done in FY 19-20, has been carried over into FY 20-21. 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 2020-2021 to 2024-2025

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 20-21 Appropriation	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
LABORATORY												
SALARIES AND WAGES	\$193,304	\$199,198	\$210,735	\$220,591	\$235,450	\$234,933	\$249,200	\$290,000	\$257,900	\$266,950	\$276,300	\$285,950
% CHANGE FROM PRIOR YEAR	7.2%	3.0%	5.8%	4.7%	6.7%	6.5%	6.1%		3.5%	3.5%	3.5%	3.5%
OPERATION & MAINTENANCE EXPENSES	\$49,835	\$116,480	\$67,454	\$58,395	\$87,700	\$71,171	\$89,200	\$110,000	\$141,200	\$114,200	\$107,900	\$118,600
% CHANGE FROM PRIOR YEAR	-7.1%	133.7%	-42.1%	-13.4%	50.2%	21.9%	25.3%		58.3%	-19.1%	-5.5%	9.9%
VEHICLE EXPENSES	\$474	\$7,230	\$487	\$469	\$700	\$1,789	\$750	\$10,000	\$750	\$15,250	\$850	\$850
% CHANGE FROM PRIOR YEAR	-77.8%	1424.7%	-93.3%	-3.9%	49.4%	282.0%	-58.1%		0.0%	1933.3%	-94.4%	0.0%
TOTAL LABORATORY EXPENSES	\$243,613	\$322,907	\$278,675	\$279,455	\$323,850	\$307,893	\$339,150	\$410,000	\$399,850	\$396,400	\$385,050	\$405,400
% CHANGE FROM PRIOR YEAR	3.2%	32.5%	-13.7%	0.3%	15.9%	10.2%	10.2%		17.9%	-0.9%	-2.9%	5.3%

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, 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 2020-2021 to 2024-2025

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 20-21 Appropriation	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
COLLECTION SYSTEM												
SALARIES AND WAGES	\$430,049	\$443,429	\$443,889	\$489,291	\$446,800	\$404,472	\$473,700	\$540,000	\$490,300	\$507,450	\$525,200	\$543,600
% CHANGE FROM PRIOR YEAR	1.8%	3.1%	0.1%	10.2%	-8.7%	-17.3%	17.1%		3.5%	3.5%	3.5%	3.5%
OPERATION & MAINTENANCE EXPENSES	\$1,272,780	\$2,243,910	\$2,091,278	\$2,173,756	\$1,737,600	\$1,616,634	\$1,873,150	\$2,250,000	\$2,422,800	\$2,434,250	\$2,437,350	\$2,455,700
% CHANGE FROM PRIOR YEAR	15.9%	76.3%	-6.8%	3.9%	-20.1%	-25.6%	15.9%		29.3%	0.5%	0.1%	0.8%
VEHICLE EXPENSES	\$16,472	\$18,863	\$60,921	\$19,862	\$53,000	\$53,237	\$77,200	\$90,000	\$24,450	\$36,300	\$363,250	\$58,350
% CHANGE FROM PRIOR YEAR	-65.8%	14.5%	223.0%	-67.4%	166.8%	168.0%	45.0%		-68.3%	48.5%	900.7%	-83.9%
TOTAL COLLECTION SYSTEM EXPENSES	\$1,719,301	\$2,706,203	\$2,596,088	\$2,682,909	\$2,237,400	\$2,074,343	\$2,424,050	\$2,880,000	\$2,937,550	\$2,978,000	\$3,325,800	\$3,057,650
% CHANGE FROM PRIOR YEAR	9.6%	57.4%	-4.1%	3.3%	-16.6%	-22.7%	16.9%		21.2%	1.4%	11.7%	-8.1%

COMMENTS

- Salaries and Wages The plan reflects full staffing and normal planned annual increases.

- 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 after FY 20-21.

- Vehicles Vehicle costs reflect fuel and normal maintenance and repairs. Future vehicle purchases are shown in Exhibit 2 under section 14C226. FY 23-24 includes replacement of the combination vacuum/jet truck.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2020-2021 to 2024-2025

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 20-21 Appropriation	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
LIFT STATIONS												
SALARIES AND WAGES	\$39,740	\$37,685	\$81,418	\$80,176	\$70,500	\$77,915	\$100,400	\$120,000	\$103,900	\$107,550	\$111,350	\$115,250
% CHANGE FROM PRIOR YEAR	23.9%	-5.2%	116.0%	-1.5%	-12.1%	-2.8%	28.9%		3.5%	3.5%	3.5%	3.5%
OPERATION & MAINTENANCE EXPENSES	\$290,906	\$270,264	\$272,665	\$316,677	\$352,700	\$311,793	\$302,400	\$360,000	\$314,550	\$320,850	\$342,600	\$350,400
% CHANGE FROM PRIOR YEAR	-11.6%	-7.1%	0.9%	16.1%	11.4%	-1.5%	-3.0%		4.0%	2.0%	6.8%	2.3%
TOTAL LIFT STATION EXPENSES	\$330,645	\$307,949	\$354,083	\$396,853	\$423,200	\$389,708	\$402,800	\$480,000	\$418,450	\$428,400	\$453,950	\$465,650
% CHANGE FROM PRIOR YEAR	-8.5%	-6.9%	15.0%	12.1%	6.6%	-1.8%	3.4%		3.9%	2.4%	6.0%	2.6%

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 replacement of portable pumps and internal testing of the Wroble forcemain.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2020-2021 to 2024-2025

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 20-21 Appropriation	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
INSURANCE AND EMPLOYEE BENEFITS												
TOTAL INSURANCE/EMPLOYEE BENEFITS	\$1,111,180	\$1,123,481	\$1,160,077	\$1,216,608	\$1,234,250	\$1,137,882	\$1,272,000	\$1,460,000	\$1,341,050	\$1,405,050	\$1,471,100	\$1,542,100
% CHANGE FROM PRIOR YEAR	-11.8%	1.1%	3.3%	4.9%	1.5%	-6.5%	11.8%		5.4%	4.8%	4.7%	4.8%

COMMENTS

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

1. Expecting annual net increases in liability and property premiums of 5%.
2. Workers compensation premiums are anticipated to increase noticeably in FY 20-21 to reflect the start of an experience modifier for noteworthy claims activity in 2018. Looking ahead, it is anticipated that the modifier will decline substantially in future years as the District had very little claims activity in 2019 and the District is making progress with its current safety initiatives.
3. Increases of 6% for employee group medical and dental each year.
4. IMRF contributions are expected to increase moderately each year over the next five years. This is due in part to a decrease in the IMRF assumed investment earnings rate from 7.50% to 7.25%. In addition, there are several long-term employee retirements anticipated in the next five years which will impact projected employer contribution rates. Positive investment returns in 2019 (estimated to be 18%) are not yet reflected and will be represented in the budget/five year plan next year.
5. 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 2020-21 TO 2024-25

EXHIBIT 2

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
11B115 (ADMIN-Eqpt/Eqpt Repair)					
1. MS Office software licensing updates			20000		
2. Replace data servers		30,000		30,000	
3. Update website			9,000		
Annual Totals	\$0	\$30,000	\$29,000	\$30,000	\$0
11B118 (ADMIN-Building & Grounds)					
1. Upgrade front entrance		40,000	40,000		
2. Re-roof admin building				15,000	
3. Replace carpeting		25,000			
Annual Totals	\$0	\$65,000	\$40,000	\$15,000	\$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	4,600	4,600	4,650	4,650	4,700
Annual Totals	\$5,800	\$5,800	\$5,850	\$5,900	\$5,950
11C226 (ADMIN-Vehicle Purchases)					
1. Administration vehicles		18,000	18,500	19,000	
2. Sale of old vehicles		(4,000)	(4,000)	(4,000)	
Annual Totals	\$0	\$14,000	\$14,500	\$15,000	\$0
12B500 (WWTC-Eqpt/Eqpt Repair)					
1.Raw sewage pumping					
a. Raw sewage pump VFD replacement	6,000				
2.Grit removal system					
a. Conveyor overhaul	20,000				
b. Grit classifier overhaul				15,000	
c. Grit pump overhaul	8,250		8,500	8,750	9,000
3.Primary treatment					
a. Scum trough replacement	10,250	10,500	10,750		
b. Sludge collector replacement	14,250	6,500	10,000	10,250	14,000
4.Secondary treatment					
a. Protective coatings - secondary clarifiers	50,000	32,500	33,500	32,500	33,500
b. Hoffman/PD blower overhaul				24,500	25,000
c. Aeration tank influent gate actuator					8,500
d. DO probe replacement				15,000	
e. Railing, decking and concrete repairs	42,500	27,500	13,000		40,000
f. RAS pump overhaul	7,250	6,500	7,500	7,750	
g. RAS system VFDs	15,000				
5.Intermediate clarifiers					
a. Protective coatings			30,000	30,850	31,650
b. Railings			15,000	15,400	15,850
c. Intermediate sludge pump overhaul	7,500	7,750			
6.Sand filters					
a.Waste washwater pump overhaul	5,000	5,250			
7.Disinfection equipment					
a.Fiberglass tank inspections/repairs					35,000
b. ORP probe replacement		8,000			
c. OSEC brine pump replacement - feed/transfer	8,000	11,000			
d. Bisulfite pump replacements			8,750	9,000	
e. Hypochlorite feed pump replacements			11,250	11,500	
f. Hypochlorite feed pump VFD replacements	2,250	2,350			

DOWNERS GROVE SANITARY DISTRICT
 MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE
 FISCAL YEARS 2020-21 TO 2024-25

EXHIBIT 2

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
8.Excess flow tanks					
a.Overhaul sludge grinder				12,000	
b.Clarifier scum trough replacement		20,000			
c.Overhaul sludge pumps		7,500	7,750		
d. Clarifier motor overhaul and brake replacement	15,000				
9.Sludge concentrators					
a. New mechanical thickener	500,000				
10.Sludge digestion					
a. Re-coat/repair covers		56,500			
b. Digester 3 gas wasting control upgrade	20,000				
c. Digester 5 gas flare repair and control uprade	30,000				
d. Replace digester 2 mixing equipment				150,000	
e. Digester mixing compressor overhaul	6,500		6,750		14,000
f. Digester 4 cleaning			100,000		
11.Sludge dewatering system					
a. Belt press feed pump replacement			10,500	10,750	
b. Drying bed repairs		25,000	25,750	26,500	27,250
c. Cover drying beds	665,950				
12.Biosolids aging and disposal					
a.Articulated wheel loader replacement			65,000		
b. Auger replacements	30,000				
c. Dump truck - 12 yd, replacement				100,000	
d.Trommel screen replacement		175,000			
e. Curtiss lagoon drain system repairs	15,000	15,000			
f. Repave South Sludge Drying Pad	70,000				
g. Composting pilot	78,000				
h. Composting - permanent installation		210,000			
13.Maintenance/utilities					
a. Replace portable pump				9,000	
b. Main switchgear maintenance	600		300		675
c. CHP replacement	600,000				
d. CHP Engine overhaul		30,000	62,000	32,000	60,000
e. CHP Generator re-build	17,500	18,000	18,500	38,000	19,500
g. Emergency generator control panel replacement				100,000	
h. SCADA PLC Upgrades	40,000	41,250	42,500	43,750	45,000
i. Yard piping repairs	45,000	46,350	47,750	49,200	50,700
Annual Totals	\$2,329,800	\$762,450	\$535,050	\$751,700	\$429,625
12B800 (WWTC-Building & Grounds)					
1. Roof repairs	25,000	23,000	25,000	18,000	20,000
2. Road / sidewalk repair	45,000	15,000	25,000	15,000	25,000
3. Window / door replacement	23,250	19,500	22,750	21,250	21,000
4. HVAC repairs	10,500	7,500	3,000		
5. Outside stairs, railings, gratings, and fencing	16,500				15,000
6. Tuckpointing	40,000	40,000	40,000	40,000	40,000
7. Interior painting	35,000	30,000	30,000	30,000	35,000
8. Tree clearing	7,500				
Annual Totals	\$202,750	\$135,000	\$145,750	\$124,250	\$156,000

DOWNERS GROVE SANITARY DISTRICT
 MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE
 FISCAL YEARS 2020-21 TO 2024-25

EXHIBIT 2

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
12B124 (WWTC-Contract Services)					
1.DRSCW membership/stream restoration	209,800	216,100	222,600	24,950	25,700
Annual Totals	\$209,800	\$216,100	\$222,600	\$24,950	\$25,700
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		26,000			28,000
2. Maintenance supervisor pickup		26,000			28,000
3. Electric cart	15,000	15,500	16,000		
4. OPS/Maintenance/Electrical trucks				35,000	30,000
5. Lift station pickup			40,000		
6. Sale of old vehicles	(5,000)	(7,000)	(15,000)	(9,000)	(15,000)
Annual Totals	\$10,000	\$60,500	\$41,000	\$26,000	\$71,000
13B115 (LAB-Eqpt/Eqpt Repair)					
1. Casework/mold abatement		50,000			
2. Autosampler replacement		9,500		6,000	
3. Autoclave			15,000		
4. Incubators	5,000		10,000	5,000	
5. Rotovapor					5,000
6. Autotitrator					10,000
7. Spectrophotometer				10,000	
8. pH/Mult-function Meter					5,000
9. TSS Drying Oven					4,000
Annual Totals	\$5,000	\$59,500	\$25,000	\$21,000	\$24,000
13C226 (LAB-Vehicle Purchase)					
1. Lab car			18,500		
2. Lab van					
3. Sale of old vehicle			(4,000)		
Annual Totals	\$0	\$0	\$14,500	\$0	\$0
14B115 (SEWER SYSTEM-Eqpt/Eqpt Repair)					
1.Flow meter replacement			9,000	9,250	9,550
Annual Totals	\$0	\$0	\$9,000	\$9,250	\$9,550
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	575,000	1,100,000	1,100,000	1,100,000	1,100,000
3. I/I Program		100,000	100,000	100,000	100,000
4. Outfall pipe rehabilitation and repair	225,000	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	\$1,631,600	\$2,181,600	\$2,181,600	\$2,181,600	\$2,181,600

DOWNERS GROVE SANITARY DISTRICT
 MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE
 FISCAL YEARS 2020-21 TO 2024-25

EXHIBIT 2

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
14C226 (SEWER SYSTEM-Vehicle Purchases)					
1. Inspection/technician vans/trucks	53,000			30,000	
2. Supervisor pickup					28,000
3. Combination vacuum/jet truck				375,000	
4. Sale of old vehicles	(8,500)	(10,000)		(80,000)	(10,000)
Annual Totals	\$44,500	(\$10,000)	\$0	\$325,000	\$18,000
15B500 (LIFT STATIONS-Eqpt/Eqpt Repair)					
1.Butterfield lift station					
a. Pump overhaul				3,600	3,700
2.Centex lift station					
a. Pump overhaul	2,850	2,950			
3.College lift station					
a. Pump overhaul		15,000		16,000	
b. Air relief valves	10,000				
4. Earlston lift station					
a. Replace pump					25,000
5.Hobson lift station					
a. Pump overhaul	9,750			10,500	10,750
6.Northwest					
a. Pump overhaul	3,500				
7.Wroble lift station					
a. Pump overhaul		5,000	5,150		
b. Forcemain internal investigation			50,000		
c. VFD replacement	6,500				
8. General maintenance					
a. Portable pump replacements		8,500		25,000	17,500
Annual Totals	\$32,600	\$31,450	\$55,150	\$55,100	\$56,950
15B800 (LIFT STATIONS-Building & Grounds)					
1. Northwest access road improvements	25,000				
2. Cathodic protection testing	2,000			2,100	
3. Painting		7,500	15,000	17,500	20,750
4. Earlston biofilter replacement		15,000			
5. Hobson elevator repair/rehabilitation		20,000			
6. Wroble fence upgrade	5,000				
Annual Totals	\$32,000	\$42,500	\$15,000	\$19,600	\$20,750
IMPROVEMENT FUND					
1. Future special assessments		200,000	200,000	200,000	200,000
2. IEPA loan repayment	93,200	93,200	93,200	93,200	93,200
3. Renovate Centex LS	50,000	950,000			
Annual Totals	\$143,200	\$1,243,200	\$293,200	\$293,200	\$293,200
CONSTRUCTION FUND					
1. IEPA loan repayment	28,900	28,900	28,900	28,900	28,900
2. Chemical feed system - phosphorus removal			121,000	605,000	484,000
Annual Totals	\$28,900	\$28,900	\$28,900	\$28,900	\$28,900
GRAND TOTALS	\$4,828,950	\$5,019,000	\$3,809,100	\$4,079,450	\$3,474,225

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 at the target of 25% of annual expenses by the end of the five year plan.

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 an increase in the user rate from \$1.70 to \$1.80 per 1000 gallons of metered water consumption. User rate increases of \$0.15 are anticipated in FY 2021-22, FY 2022-23 and FY 2023-24 and an increase of \$0.25 is anticipated in FY 2024-25. User receipts during FY 2019-20 are projected at \$3,125,540 based upon a rate of \$1.70 per 1000 gallons, a billable flow of 5.221 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>
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	5.242	60,919
2015-16	5.257	68,643
2016-17	5.243	82,814
2017-18	5.291	139,711
2018-19	5.121	94,995
2019-20	5.221*	76,759

*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 2020-21 projections of user receipts are based on a billable flow of 5.221 MGD, which represents a billable flow equal to the FY 2019-20 levels. Water supply utilities' efforts at reducing water consumption are expected to continue to result in future reductions in billable flow. After FY 2020-21, this plan reflects a 2.0% per year reduction in billable flow consistent with target reductions established by water supply utilities, 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 proposed to increase by ten to fifteen percent in both FY 2020-21 and FY 2021-22. This increase will bring the per pound cost of treating BOD and SS closer to the per pound costs that non-surcharge customers pay. The plan includes another surcharge increase in FY 2024-25 to fairly spread out the anticipated expense of phosphorus reducing chemicals across all customers.

Monthly Service Fees

The plan reflects a monthly fee of \$17.00 per month through FY 2024-25. 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 few 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 of roughly 1.5%.

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 2.9% 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 \$75,000 per year for FY 2020-21 and projected to continue at this level, will be used to fund sewer system repairs.

Lease Payments

During FY 1996-97, 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 handling facilities was increased during FY 2017-18. 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 4/30/21 is \$2,746,288. 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 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budgeted	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
USER CHARGES											
RATE PER 1000 GALS	\$1.65	\$1.65	\$1.65	\$1.65	\$1.65	\$1.70	\$1.80	\$1.95	\$2.10	\$2.25	\$2.50
AVERAGE ANNUAL USAGE	96,000	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	\$163.20	\$172.80	\$187.20	\$201.60	\$216.00	\$240.00
PROPERTY TAXES											
YEAR TAXES PAID	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
MEDIAN ASSESSED VALUE	\$83,920	\$84,020	\$88,150	\$88,150	\$93,940	\$95,680	\$101,229	\$107,101	\$113,313	\$119,885	\$126,838
DISTRICT TAX RATE	0.0436	0.0448	0.0434	0.0413	0.0404	0.0398	0.0394	0.0390	0.0386	0.0382	0.0378
ANNUAL TAXES PAID	\$36.59	\$37.64	\$38.26	\$36.41	\$37.95	\$38.08	\$39.88	\$41.77	\$43.74	\$45.80	\$47.94
MONTHLY SERVICE FEE											
MONTHLY SERVICE FEE	\$11.00	\$12.00	\$13.50	\$15.00	\$16.00	\$17.00	\$17.00	\$17.00	\$17.00	\$17.00	\$17.00
ANNUAL SERVICE FEE	\$132.00	\$144.00	\$162.00	\$180.00	\$192.00	\$204.00	\$204.00	\$204.00	\$204.00	\$204.00	\$204.00
TOTAL ANNUAL COST	\$326.99	\$340.04	\$358.66	\$374.81	\$388.35	\$405.28	\$416.68	\$432.97	\$449.34	\$465.80	\$491.94
TOTAL MONTHLY COST	\$27.25	\$28.34	\$29.89	\$31.23	\$32.36	\$33.77	\$34.72	\$36.08	\$37.44	\$38.82	\$41.00
ANNUAL PERCENT CHANGE	3.4%	4.0%	5.5%	4.5%	3.6%	4.4%	2.8%	3.9%	3.8%	3.7%	5.6%
TEN YEAR AVERAGE ANNUAL PERCENT CHANGE	3.4%	3.8%	3.6%	3.3%	3.3%	3.1%	3.2%	3.4%	3.7%	3.9%	4.1%

DOWNERS GROVE SANITARY DISTRICT
 FIVE YEAR FINANCIAL PLAN
 CONSTRUCTION FUND
 FISCAL YEARS 2020-21 TO 2024-25

EXHIBIT 4

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
REVENUES											
Sewer permit fees	\$498,015	\$532,902	\$296,607	\$189,349	\$250,000	\$184,700	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
Interest	\$8,655	\$3,007	\$324	\$1,559	\$10,000	\$7,700	\$16,450	\$20,050	\$23,700	\$27,400	\$31,150
Repayments - equipment replacement											
Plant switchgear		\$68,250	\$194,588								
Digester 4 mixing replacement	\$200,000	\$110,252									
State of Illinois Grant	\$174,000	\$49,000	\$197,876								
ICECF Grant	\$51,000				\$500,000	\$500,000					
Total Revenues	\$931,670	\$763,411	\$689,395	\$190,908	\$760,000	\$692,400	\$266,450	\$270,050	\$273,700	\$277,400	\$281,150
EXPENSES											
IEPA loan repayment	\$28,807	\$28,807	\$28,807	\$28,807	\$28,900	\$28,900	\$28,900	\$28,900	\$28,900	\$28,900	\$28,900
Digester gas utilization equipment	\$99,512	\$1,243,647	\$378,775								
Grit blower efficiency upgrade		\$34,036									
Grease receiving expansion		\$8,786	\$594,682								
Digester 4 mixing replacement	\$309,821										
Digester 1 mixing and gas piping upgrades		\$301,022									
Grease waste delivery ramp	\$101,878	\$9,573									
Turboblower purchase and install	\$157,380										
Chemical feed system - phosphorus removal									\$121,000	\$605,000	\$484,000
Total Expenses	\$697,397	\$1,625,871	\$1,002,265	\$28,807	\$28,900	\$28,900	\$28,900	\$28,900	\$149,900	\$633,900	\$512,900
Excess (Deficiency) of Revenues over Expenses	\$234,272	(\$862,460)	(\$312,870)	\$162,100	\$731,100	\$663,500	\$237,550	\$241,150	\$123,800	(\$356,500)	(\$231,750)
Ending Fund Balance	\$1,328,600	\$466,140	\$153,270	\$315,371	\$1,046,471	\$978,871	\$1,216,421	\$1,457,571	\$1,581,371	\$1,224,871	\$993,121

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, 2019, there are 12,901 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 of 1.5%.
3. Grant Funds for Plant Upgrades – The majority of the \$500,000 grant, which covers a portion of the cost of the CHP biogas utilization project, has been received. It is anticipated that the rest of the grant will be received in FY 2019-20 as the associated net zero public education center will be complete.

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.
2. Chemical feed system for the addition of phosphorus reducing chemicals is expected to be designed in FY 2022-23 and constructed in FY 2023-24 and FY 2024-25.

Fund Balance

The balance in the construction fund is projected to be \$993,121 by April 30, 2025, 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 2020-21 TO 2024-25

EXHIBIT 5

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
REVENUES											
Trunk and lateral sewer service charges	\$263,161	\$185,010	\$115,496	\$47,857	\$90,000	\$64,806	\$90,000	\$90,000	\$90,000	\$90,000	\$90,000
Recapture		\$33,987									
Interest	7,136	9,929	14,183	21,542	17,150	22,913	16,900	9,450	2,250	2,100	2,000
Repayments											
Special assessment vouchers								200,000	200,000	200,000	200,000
Sewer replacements		300,000	317,200								
Total Revenues	\$270,297	\$528,925	\$446,879	\$69,399	\$107,150	\$87,719	\$106,900	\$299,450	\$292,250	\$292,100	\$292,000
EXPENSES											
Unsewered areas											
Planning	\$1,994	\$4,055	\$3,163	\$6,174	\$7,500	\$7,500	\$7,500	\$7,500	\$7,500	\$7,500	\$7,500
Special assessments								200,000	200,000	200,000	200,000
Lift station improvements											
Liberty Park upgrades		10,099	894,366	150,658							
Centex upgrades							50,000	950,000			
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
Total Expenses	\$95,185	\$107,345	\$990,720	\$250,024	\$100,700	\$100,691	\$150,700	\$1,250,700	\$300,700	\$300,700	\$300,700
Excess (Deficiency) of Revenues over Expenses	\$175,112	\$421,579	(\$543,841)	(\$180,625)	\$6,450	(\$12,972)	(\$43,800)	(\$951,250)	(\$8,450)	(\$8,600)	(\$8,700)
Ending Fund Balance	\$1,464,515	\$1,886,095	\$1,342,254	\$1,161,629	\$1,168,079	\$1,148,657	\$1,104,857	\$153,607	\$145,157	\$136,557	\$127,857

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 recent 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 an upgrade of the Centex Lift Station in FY 2020-21 and FY 2021-22. 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 1.5%.
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 2006-07 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 2021-22.
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. Centex Lift Station Improvements – The budget includes anticipated costs associated with upgrading the Centex Lift Station as it reaches the end of its useful service life, beginning in FY 2020-21.

Fund Balance

The balance in the improvement fund is projected to be \$127,857 on April 30, 2025. 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 2020-21 TO 2024-25

EXHIBIT 6

	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Projected Actual	FY 20-21 Budget	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected
REVENUES											
Interest	\$66	\$260	\$349	\$542	\$550	\$910	\$550	\$550	\$600	\$600	\$600
Total Revenues	\$66	\$260	\$349	\$542	\$550	\$910	\$550	\$550	\$600	\$600	\$600
EXPENSES											
Sewer deepening	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Excess (Deficiency) of Revenues over Expenses	\$66	\$260	\$349	\$542	\$550	\$910	\$550	\$550	\$600	\$600	\$600
Ending Fund Balance	\$35,317	\$35,577	\$35,926	\$36,468	\$37,018	\$37,378	\$37,928	\$38,478	\$39,078	\$39,678	\$40,278

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, 2020 is \$37,378.

Revenues

Interest is estimated at 1.5% 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 2024-25, projected to be \$40,278, 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. Nitrogen removal processes.
5. Improved odor control facilities.
6. Secondary clarifier feed flow splitter.
7. Aeration tank feed flow splitter.

B. Replacements

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

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 and College lift stations
- C. Second NWLS forcemain crossing under I-355.

IV. ADMINISTRATION

- A. Relocate office to WWTC site.