

DOWNERS GROVE SANITARY DISTRICT
FIVE YEAR FINANCIAL PLAN
FISCAL YEARS 2021-2022 TO 2025-2026

Approved 03/16/2021

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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, 2021 to April 30, 2026. 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 2021-22, 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 2021-22 non-sewer annual replacement, rehabilitation and upgrade expenses budget represents about 225% of the FY 2019-20 annual depreciation of non-sewer fixed assets.

The user rate is proposed to increase from the current level of \$1.80 per 1,000 gallons to \$1.95 per 1,000 gallons for FY 2021-22 with \$0.35 increases projected in FY 2022-23, FY 2024-25 and FY 2025-26 and a \$0.25 increase projected in FY 2023-24. Monthly service fees are proposed to remain at the current amount of \$17.00 through FY 2022-23. A monthly service fee increase to \$18.00 is projected for FY 2023-24. The projected user rate and monthly service fee increases for FY 2022-23 through FY 2025-26 result in higher than rate and fee increases than the District has historically implemented. The higher increases are projected in order to address aging infrastructure and the anticipation of the use of phosphorus reducing chemicals needed to meet a total phosphorus permit limit. The increases also continue to accommodate the desired levels of sewer system replacement and rehabilitation expenditures while keeping up with inflation. The surcharge rates are proposed to be held at the current rate for FY21-22 with proposed increases ranging from 7.6% to 8.9% in the four subsequent years. The surcharge rate increases are planned in order to gradually bring the cost per pound of BOD and cost per pound of TSS up to the match the cost of service. 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. 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. Revenues are accumulated for sewer additions and 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. Replacement of the Centex Lift Station is included in FY 2021-22 and replacement of the Venard Lift Station forcemain is anticipated in FY 2023-24.

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.

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EXHIBIT 1

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budget (as amended)	FY 20-21 Projected Actual	FY 21-22 Budget	FY 21-22 Appropriation	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 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	220,051	212,437	234,862	345,560	244,200	242,181	296,500		306,850	317,600	328,700	340,250
004. Financial Records	181,647	186,692	197,403	203,039	194,400	197,427	201,550		208,600	215,900	223,450	231,250
005. Administrative Records	42,091	40,688	49,549	28,343	25,300	24,931	24,600		25,450	26,350	27,300	28,250
006. Engineering				7,067	12,350	5,559	5,900		6,100	6,300	6,500	6,750
007. Code Enforcement	306,940	328,764	375,864	420,277	372,400	373,121	368,950		381,850	395,200	409,050	423,350
008. Safety Activities	784	1,212	810	11,895	22,250	26,707	39,850		41,250	42,700	44,150	45,700
030. Building & Grounds	5,629	1,988	1,333	605	1,500	872	5,400		5,600	5,800	6,000	6,200
080. Vacation Buyout							12,700					
085. Incentive							2,800					
090. Work from Home Reimbursement Allowance						4,450	4,550					
Subtotal	\$775,142	\$789,783	\$877,821	\$1,034,786	\$891,300	\$893,249	\$981,700	\$1,130,000	\$994,600	\$1,028,750	\$1,064,050	\$1,100,650
B. Operation & Maintenance												
100. Electricity	\$3,228	\$5,092	\$2,118	\$3,172	\$4,000	\$4,173	\$4,450		\$4,700	\$5,000	\$5,300	\$5,600
101. Natural Gas	1,053	1,161	1,278	1,240	3,000	1,176	3,000		3,100	3,200	3,300	3,400
102. Water, Garbage, Other	858	1,316	454	741	1,200	1,050	1,250		1,250	1,300	1,300	1,300
110. Bank Charges	16,000	15,709	14,746	15,158	18,000	20,409	19,000		19,400	19,800	20,200	20,600
112. Communication	16,413	12,907	13,883	16,562	19,300	23,053	24,000		24,000	24,500	25,000	25,500
113. Emergency/Safety Eqpt					42,000	25,010	29,000		20,000	20,000	15,000	17,000
115. Eqpt/Eqpt Repair	103,498	86,011	87,084	92,596	93,000	93,026	142,000		113,000	107,000	70,000	62,000
116. Supplies	5,741	6,811	6,792	7,109	7,500	4,469	7,500		7,700	7,700	7,700	7,700
117. Employee/Duty Costs	16,052	10,280	11,050	19,256	20,000	7,755	16,750		16,500	16,500	17,000	17,000
118. Building & Grounds	16,680	53,584	12,541	20,157	34,000	27,967	166,000		115,500	34,000	41,500	26,000
119. Postage	8,223	6,262	6,308	4,225	9,500	5,024	8,000		9,000	11,000	10,000	11,000
120. Printing/Photography	9,705	7,935	11,509	8,121	12,000	9,513	12,500		12,500	13,000	13,000	13,000
121. User Billing Material	65,076	60,735	64,580	63,831	76,000	60,999	75,000		75,000	77,000	82,000	87,000
124. Contract Services	73,879	92,766	135,569	70,220	102,000	87,008	106,500		109,950	109,450	113,950	113,450
137. Memberships/Subscriptions	11,554	9,929	6,969	8,469	11,100	9,502	9,500		9,600	9,700	9,800	9,900
Subtotal	\$347,961	\$370,498	\$374,883	\$330,858	\$452,600	\$380,134	\$624,450	\$750,000	\$541,200	\$459,150	\$435,050	\$420,450
C. Vehicles												
222. Gas/Fuel	\$859	\$933	\$858	\$1,114	\$2,000	\$617	\$1,500		\$1,500	\$2,000	\$2,000	\$2,000
225. Operation/Repair	429	334	1,113	2,217	2,600	1,010	2,600		2,700	2,700	2,800	2,800
226. Vehicle Purchase	0	0	0	0	0	0	17,500		17,500	18,000	0	0
Subtotal	\$1,288	\$1,267	\$1,971	\$3,331	\$4,600	\$1,627	\$21,600	\$30,000	\$21,700	\$22,700	\$4,800	\$4,800
TOTALS	\$1,124,391	\$1,161,547	\$1,254,674	\$1,368,974	\$1,348,500	\$1,275,010	\$1,627,750	\$1,910,000	\$1,557,500	\$1,510,600	\$1,503,900	\$1,525,900

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12. Wastewater Treatment Center												
A. Salary & Wages												
006. Engineering				\$29,473	\$36,500	\$46,942	\$41,600		\$43,050	\$44,550	\$46,100	\$47,700
009. Oper. Management	\$117,227	\$112,052	\$99,519	107,667	104,100	98,684	99,750		103,250	106,850	110,600	114,450
010. Maintenance	475,079	498,714	542,819	524,751	530,050	541,888	591,900		632,600	654,750	677,650	701,350
020. WWTC	484,585	513,848	531,533	536,379	576,400	604,862	569,400		589,300	609,950	631,300	653,400
030. Building & Grounds	59,807	65,648	57,751	87,810	137,350	97,938	112,150		116,750	120,800	125,050	129,400
080. Vacation Buyout							24,850					
085. Incentive							3,400					
090. Work from Home Reimbursement Allowance						363	650					
Subtotal	\$1,136,698	\$1,190,263	\$1,231,621	\$1,286,080	\$1,384,400	\$1,390,677	\$1,443,700	\$1,660,000	\$1,484,950	\$1,536,900	\$1,590,700	\$1,646,300
B. Operation & Maintenance												
100. Electricity	\$188,832	\$140,576	\$75,263	\$80,975	\$109,000	\$124,545	\$93,000		\$51,000	\$52,000	\$53,100	\$54,100
101. Natural Gas	6,600	6,820	6,010	6,346	10,000	6,674	10,000		10,600	11,250	11,950	12,650
102. Water, Garbage, Other	36,131	28,603	22,573	17,838	36,000	26,783	35,000		36,050	37,150	38,250	39,400
103. Odor Control	10,574	4,591	3,603	39,195	4,000	2,417	3,000		3,100	3,200	3,300	3,400
104. Fuel - Generators	1,731	16,023	15,301	3,382	14,000	10,773	14,000		14,400	14,850	15,300	15,750
112. Communication	12,907	15,620	15,094	17,690	20,000	23,010	22,000		22,000	22,500	22,500	22,500
113. Emergency/Safety Eqpt	18,943	9,538	15,005	13,018	9,500	10,101	23,000		12,800	13,150	13,450	13,800
116. Supplies	28,716	29,175	27,058	31,799	32,300	27,001	31,300		31,500	32,450	33,450	34,450
117. Employee/Duty Costs	18,680	22,151	19,573	20,039	26,000	12,536	26,000		26,500	27,000	27,500	28,000
124. Contract Services	85,280	127,218	131,034	203,705	209,800	209,816	216,100		222,600	24,950	25,700	26,500
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	134,615	80,000	119,171	80,000		82,400	84,900	87,400	90,000
400. Chemicals	100,026	84,369	127,772	125,859	120,650	92,446	130,250		134,150	138,200	664,350	929,650
500. Eqpt/Eqpt Repair	714,380	763,286	642,336	997,579	2,687,850	2,181,140	1,094,550		1,006,800	1,160,750	1,228,000	1,346,900
800. Building & Grounds	285,646	200,700	222,016	231,631	301,950	281,516	245,850		352,650	284,400	269,950	233,300
Subtotal	\$1,561,447	\$1,521,669	\$1,439,911	\$1,976,672	\$3,714,050	\$3,180,930	\$2,077,050	\$2,490,000	\$2,059,550	\$1,959,750	\$2,547,200	\$2,903,400
C. Vehicles												
222. Gas/Fuel	\$12,376	\$18,255	\$16,834	\$16,360	\$29,000	\$13,004	\$22,000		\$22,650	\$23,350	\$24,050	\$24,750
225. Operation/Repair	3,594	9,911	10,073	5,065	8,000	4,005	8,000		8,250	8,500	8,750	9,000
226. Vehicle Purchase	0	4,851	10,778	64,060	10,000	0	54,500		41,000	26,000	71,000	13,500
Subtotal	\$15,969	\$33,017	\$37,685	\$85,486	\$47,000	\$17,008	\$84,500	\$100,000	\$71,900	\$57,850	\$103,800	\$47,250
TOTALS	\$2,714,115	\$2,744,949	\$2,709,217	\$3,348,238	\$5,145,450	\$4,588,616	\$3,605,250	\$4,250,000	\$3,616,400	\$3,554,500	\$4,241,700	\$4,596,950

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	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budget (as amended)	FY 20-21 Projected Actual	FY 21-22 Budget	FY 21-22 Appropriation	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 Projected
13. Laboratory												
A. Salary & Wages												
009. Oper. Management	\$67,465	\$54,228	\$75,106	\$75,903	\$82,250	\$69,218	\$82,150		\$85,050	\$88,000	\$91,085	\$94,250
040. Laboratory	131,733	156,506	145,486	158,457	166,950	173,525	172,200		178,200	184,450	190,915	197,600
080. Vacation Buyout							4,600					
085. Incentive							600					
Subtotal	\$199,198	\$210,735	\$220,591	\$234,360	\$249,200	\$242,743	\$259,550	\$300,000	\$263,250	\$272,450	\$282,000	\$291,850
B. Operation & Maintenance												
112. Communication							\$3,500		\$4,000	\$4,000	\$4,000	\$4,000
114. Chemicals	\$8,328	\$9,566	\$11,478	\$16,704	\$17,800	\$14,401	22,400		23,300	24,300	25,200	26,200
115. Eqpt/Eqpt Repair	68,634	29,948	18,238	12,532	16,000	20,772	53,000		26,000	28,000	63,000	20,700
116. Supplies	14,505	11,721	8,171	13,207	21,100	13,475	23,000		23,900	24,900	25,900	26,900
117. Employee/Duty Costs	2,307	2,498	3,039	2,265	5,600	2,672	5,500		5,500	5,500	6,000	6,000
122. Monitoring Equipment	5,674	377	769	1,508	9,000	3,419	9,000		9,000	4,000	9,000	4,000
123. Outside Lab Services	17,033	13,344	16,701	18,498	19,700	20,623	31,400		22,200	23,100	24,000	25,000
Subtotal	\$116,480	\$67,454	\$58,395	\$64,713	\$89,200	\$75,362	\$147,800	\$180,000	\$113,900	\$113,800	\$157,100	\$112,800
C. Vehicles												
222. Gas/Fuel	\$299	\$392	\$362	\$444	\$550	\$291	\$600		\$600	\$600	\$600	\$650
225. Operation/Repair	168	96	106	1,245	200	257	250		250	250	300	300
226. Vehicle Purchase	6,762	0	0	0	0	0	0		17,500	0	0	20,000
Subtotal	\$7,230	\$487	\$469	\$1,689	\$750	\$548	\$850	\$10,000	\$18,350	\$850	\$900	\$20,950
TOTALS	\$322,907	\$278,675	\$279,455	\$300,762	\$339,150	\$318,653	\$408,200	\$490,000	\$395,500	\$387,100	\$440,000	\$425,600

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	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budget (as amended)	FY 20-21 Projected Actual	FY 21-22 Budget	FY 21-22 Appropriation	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 Projected
14. Collection System												
A. Salary & Wages												
006. Engineering				\$8,324	\$15,350	\$5,180	\$10,250		\$10,600	\$11,000	\$11,400	\$11,800
050. Sewer Maintenance	\$152,688	\$161,571	\$184,433	189,689	203,500	230,795	203,350		210,450	217,800	225,450	233,300
060. Inspection	280,008	271,723	295,613	195,426	244,600	178,985	247,100		255,750	264,750	274,000	283,600
070. Investigations	10,733	10,595	9,245	4,245	10,250	682	4,800		4,950	5,100	5,300	5,500
080. Vacation Buyout							10,850					
085. Incentive							1,400					
090. Work from Home Reimbursement Allowance						850	1,300					
Subtotal	\$443,429	\$443,889	\$489,291	\$397,684	\$473,700	\$416,492	\$479,050	\$550,000	\$481,750	\$498,650	\$516,150	\$534,200
B. Operation & Maintenance												
112. Communication	\$8,987	\$8,534	\$7,605	\$7,828	\$11,500	\$10,981	\$11,500		\$11,500	\$12,000	\$12,000	\$12,000
113. Emer/Safety Equipment	9,558	4,697	1,031	958	4,350	4,501	4,600		3,450	3,550	3,700	3,800
115. Eqpt/Eqpt Repair	198,834	73,191	27,514	50,497	59,450	24,409	37,400		37,800	54,000	55,100	56,300
116. Supplies	4,026	4,893	4,943	3,077	4,000	4,735	4,500		5,400	5,550	5,700	5,900
117. Employee/Duty Costs	11,967	9,951	7,708	9,315	13,500	7,499	13,500		14,000	14,000	14,000	14,500
124. Contract Services	81,513	71,093	107,940	120,840	105,000	80,808	105,000		105,000	105,000	105,000	105,000
127. JULIE	16,950	17,386	16,526	16,489	16,750	16,741	15,750		16,250	16,700	17,250	17,750
128. Overhead Sewer Program	6,633	11,080	22,634	6,088	43,000	42,333	40,000		40,000	40,000	40,000	40,000
129. Public Sewer Blockage Program	16,379	3,232	5,426	502	12,000	7,020	12,000		12,000	12,000	12,000	12,000
900. Collection System Repair	1,889,063	1,887,222	1,972,430	1,054,951	1,603,600	1,371,262	2,833,600		2,181,600	2,181,600	2,181,600	2,181,600
Subtotal	\$2,243,910	\$2,091,278	\$2,173,756	\$1,270,544	\$1,873,150	\$1,570,290	\$3,077,850	\$3,690,000	\$2,427,000	\$2,444,400	\$2,446,350	\$2,448,850
C. Vehicles												
222. Gas/Fuel	\$10,023	\$14,490	\$13,263	\$12,253	\$26,000	\$12,052	\$26,000		\$27,550	\$29,200	\$30,950	\$32,800
225. Operation/Repair	8,841	10,189	6,188	12,175	6,700	5,010	6,700		6,900	7,100	7,300	7,550
226. Vehicle Purchase	0	36,242	411	25,720	44,500	43,201	(12,500)		0	325,000	18,000	32,500
Subtotal	\$18,863	\$60,921	\$19,862	\$50,149	\$77,200	\$60,263	\$20,200	\$30,000	\$34,450	\$361,300	\$56,250	\$72,850
TOTALS	\$2,706,203	\$2,596,088	\$2,682,909	\$1,718,377	\$2,424,050	\$2,047,045	\$3,577,100	\$4,270,000	\$2,943,200	\$3,304,350	\$3,018,750	\$3,055,900

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15. Lift Stations												
A. Salary & Wages												
006. Engineering				\$1,361	\$3,900	\$60	\$9,150		\$9,500	\$9,800	\$10,150	\$10,500
009. Oper. Management	\$350	\$5,734	\$9,494	3,998	9,900	0	4,000		4,150	4,300	4,450	4,600
030. Building & Grounds	1,274	1,943	1,355	3,394	9,200	258	7,200		7,450	7,700	7,950	8,250
080. Lift Station Maint.	36,061	73,740	69,327	53,858	77,400	11,634	65,650		70,650	73,100	75,650	78,300
Subtotal	\$37,685	\$81,418	\$80,176	\$62,611	\$100,400	\$11,953	\$86,000	\$100,000	\$91,750	\$94,900	\$98,200	\$101,650
B. Operation & Maintenance												
100. Electricity	\$102,568	\$109,875	\$115,955	\$119,635	\$127,500	\$104,996	\$135,000		\$137,000	\$140,000	\$142,000	\$145,000
104. Fuel - Generators	3,600	3,337	3,729	2,789	4,500	2,331	3,500		3,600	3,700	3,800	3,950
112. Communication	3,932	4,040	4,228	4,396	6,000	6,002	6,500		6,500	6,500	6,500	6,500
113. Emer/Safety Eqpt.	145	74	0	274	1,000	759	1,000		1,050	1,050	1,100	1,100
116. Supplies	493	387	432	73	400	282	400		400	400	450	450
500. Eqpt/Eqpt Repair	145,386	93,296	155,538	112,519	105,300	53,074	398,700		572,400	447,950	112,000	157,100
800. Building & Grounds	14,140	61,657	36,795	88,461	57,700	39,122	149,500		41,750	46,800	36,650	41,750
Subtotal	\$270,264	\$272,665	\$316,677	\$328,148	\$302,400	\$206,566	\$694,600	\$830,000	\$762,700	\$646,400	\$302,500	\$355,850
TOTALS	\$307,949	\$354,083	\$396,853	\$390,759	\$402,800	\$218,519	\$780,600	\$930,000	\$854,450	\$741,300	\$400,700	\$457,500
17. Insurance & Employee Benefits												
E. Insurance & Payroll												
452. Liability/Property	\$203,477	\$182,779	\$173,012	\$190,591	\$208,000	\$207,999	\$220,000		\$233,000	\$234,000	\$235,000	\$236,000
455. Employee Group Coverage	429,914	456,818	509,573	472,701	514,000	461,551	524,000		556,000	588,000	620,000	654,000
460. I.M.R.F.	297,755	311,454	320,556	275,719	318,000	310,903	317,000		340,000	337,000	334,000	330,000
461. Social Security	192,335	209,026	213,468	218,714	232,000	233,015	242,000		249,000	257,000	266,000	275,000
TOTALS	\$1,123,481	\$1,160,077	\$1,216,608	\$1,157,725	\$1,272,000	\$1,213,467	\$1,303,000	\$1,500,000	\$1,378,000	\$1,416,000	\$1,455,000	\$1,495,000
GRAND TOTALS	\$8,299,047	\$8,295,420	\$8,539,717	\$8,284,836	\$10,931,950	\$9,661,309	\$11,301,900	\$13,350,000	\$10,745,050	\$10,913,850	\$11,060,050	\$11,556,850

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2021-2022 to 2025-2026

EXHIBIT 1

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budget (as amended)	FY 20-21 Projected Actual	FY 21-22 Budget	FY 21-22 Appropriation	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 Projected
REVENUES												
User receipts	\$3,107,149	\$3,181,525	\$3,132,389	\$3,097,564	\$3,451,000	\$3,197,701	\$3,470,300	\$3,470,300	\$3,936,200	\$4,259,600	\$4,686,700	\$5,102,400
Surcharges	352,938	335,186	333,079	343,452	375,000	310,877	307,500	307,500	331,650	361,100	390,600	420,100
Monthly service fees	3,201,483	3,571,582	3,843,884	4,068,677	4,120,800	4,102,037	4,132,000	4,132,000	4,132,000	4,343,500	4,375,100	4,375,100
Plan review fees	0	2,481	364	418	2,000	430	500	500	500	500	500	500
Const inspection fees	928	0	0	0	500	150	500	500	500	500	500	500
Permit inspection fees	24,366	27,661	25,810	24,728	22,000	15,326	20,000	20,000	22,000	22,000	22,000	22,000
Interest	7,111	14,562	43,087	51,925	38,000	22,141	18,000	18,000	26,400	12,200	12,550	13,850
Sampling & monitoring charges	88,834	94,702	100,401	103,235	72,500	103,079	75,000	75,000	77,500	80,000	82,500	85,000
Real estate taxes	1,126,923	1,144,467	1,183,080	1,219,196	1,254,500	1,255,378	1,291,800	1,291,800	1,329,300	1,367,800	1,407,500	1,448,300
Television inspection fees	227	0	0	0	150	0	150	150	150	150	150	150
Replacement taxes	88,559	72,184	74,500	98,083	75,000	70,934	75,000	75,000	75,000	75,000	75,000	75,000
Lease payments	33,043	33,375	33,899	34,456	34,850	34,707	35,000	35,000	35,350	35,700	36,000	36,400
Miscellaneous	29,070	15,017	14,225	13,502	10,000	30,153	10,000	10,000	280,000	10,000	10,000	10,000
Grease Waste	213,518	201,690	224,488	186,142	200,000	146,709	220,000	220,000	220,000	220,000	220,000	220,000
Renewable Energy Credits		4,644	11,627	3,722	3,000	2,000	3,000	3,000	3,000	3,000	3,000	3,000
TOTAL REVENUES	\$8,274,150	\$8,699,075	\$9,020,833	\$9,245,099	\$9,659,300	\$9,291,620	\$9,658,750	\$9,658,750	\$10,469,550	\$10,791,050	\$11,322,100	\$11,812,300
TOTAL EXPENSES	\$8,299,047	\$8,295,420	\$8,539,717	\$8,284,836	\$10,931,950	\$9,661,309	\$11,301,900	\$13,350,000	\$10,745,050	\$10,913,850	\$11,060,050	\$11,556,850
EXCESS (DEFICIT) REVENUES OVER EXPENSES	(\$24,897)	\$403,655	\$481,117	\$960,263	(\$1,272,650)	(\$369,690)	(\$1,643,150)	(\$3,691,250)	(\$275,500)	(\$122,800)	\$262,050	\$255,450
ENDING FUND BALANCE	\$2,947,507	\$3,351,162	\$3,832,279	\$4,792,542	\$3,519,892	\$4,422,852	\$2,779,702	\$731,602	\$2,504,202	\$2,381,402	\$2,643,452	\$2,898,902
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	\$2,127,507	\$2,531,162	\$3,012,279	\$3,972,542	\$2,699,892	\$3,602,852	\$1,959,702		\$1,684,202	\$1,561,402	\$1,823,452	\$2,078,902
ENDING FUND BALANCE AS PERCENTAGE OF TOTAL EXPENSES	36%	40%	45%	58%	32%	46%	25%		23%	22%	24%	25%
USER RATE	\$1.65	\$1.65	\$1.65	\$1.70	\$1.80	\$1.80	\$1.95		\$2.30	\$2.55	\$2.90	\$3.25
INCREASE FROM PRIOR YEAR'S RATE	0.0%	0.0%	0.0%	3.0%	5.9%	5.9%	8.3%		17.9%	10.9%	13.7%	12.1%
MONTHLY SERVICE FEE	\$13.50	\$15.00	\$16.00	\$17.00	\$17.00	\$17.00	\$17.00		\$17.00	\$18.00	\$18.00	\$18.00
INCREASE FROM PRIOR YEAR'S FEE	12.5%	11.1%	6.7%	6.3%	0.0%	0.0%	0.0%		0.0%	5.9%	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 2021-22 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 2021-22 are budgeted at \$11,301,900 and actual expenditures are expected to be 100% of budget. Actual expenditures for FY 2020-21 are projected to be \$9,661,309, which is approximately 11.5% 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 2021-22 will spend down the surplus on the outfall sewer replacement project that was slated for FY 2020-21 and will be rebid due to the cost being much higher than anticipated as well as improvements necessary to address aging infrastructure, 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>
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	8,284,836	88%	-3.0%
2020-21	10,931,950	9,661,309*	88%*	16.6%*
2021-22	11,301,900	11,301,900*	100%*	17.0%*
2022-23	10,745,050	10,745,050*	100%*	-4.9%*
2023-24	10,913,850	10,913,850*	100%*	1.6%*
2024-25	11,060,050	11,060,050*	100%*	1.3%*
2025-26	11,556,850	11,556,850*	100%*	4.5%*

*projected

The decrease in FY 2011-12 represents the decrease in projects after the District leveraged the ARRA program funding opportunity previous fiscal year. 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 increase from FY 2019-20 to FY 2020-21 is due to carryover of FY 2019-20 projects as well

as CHP engine replacement. This improvement will enhance the operation of the existing facility to reduce future operating expenses. The increase in FY 2021-22 is due to several projects associated with aging infrastructure which are shown in Exhibit 2. The outfall sewer sag repair, for which the bids came in higher than expected in FY 2020-21 will be rebid in FY 2021-22. 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 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	3,015,522	4.0%	36.7
FY 2020-21	2,955,114	-2.0%	35.6
FY 2021-22	3,250,000	10.0%	37.9
FY 2022-23	3,316,300	2.0%	38.2
FY 2023-24	3,431,650	3.5%	38.2
FY 2024-25	3,551,100	3.5%	38.2
FY 2025-26	3,674,650	3.5%	38.2

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. Salaries and wages decreased in FY 2020-21 reflects turnover at two higher salary positions, the general manager and sewer construction supervisor positions, due to retirement. The increase in FY 2021-22 reflects hiring of a permit technician to fill the position that was vacated by a promotion to the sewer construction supervisor position, an additional full-time mechanic, a part-time IT specialist and the COVID pandemic related compensation, including the work from home allowance, vaccination incentives and a vacation buyout. After FY 2021-22, annual salary adjustments of 3.5% at full staffing account for future increases. While FY 2022-23 includes the 3.5% annual salary adjustment, the overall projected salary increase is less due to planned discontinuation of the previously mentioned COVID related compensation.

II. O & M Expenses – Utilities

<u>Year</u>	<u>Utilities</u>	<u>Change</u>
FY 2016-17	339,270	0.3%
FY 2017-18	293,443	-13.5%
FY 2018-19	223,652	-23.8%
FY 2019-20	229,948	2.8%
FY 2020-21	269,398	17.2%

FY 2021-22	281,700	4.6%
FY 2022-23	243,700	-13.5%
FY 2023-24	249,900	2.5%
FY 2024-25	255,200	2.1%
FY 2025-26	261,450	2.4%

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 and at times both CHP gas utilization systems being out of service. The CHP system to replace the CHP unit that failed in 2019 will be operation at the end of FY 2020-21. The projected decreases in FY 2022-23 reflects the expected decrease in electrical expenses with the second system in service. The full decrease will not be achieved in FY 2021-22 due to transmission and capacity charges being based on peak electrical usage from the previous year, while both CHPs were out of service. Electric price increases are projected to grow at 2% 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 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	3,740,986	-9.6%
FY 2020-21	5,143,884	37.5%
FY 2021-22	6,340,050	23.3%
FY 2022-23	5,660,650	-10.7%
FY 2023-24	5,373,600	-5.1%
FY 2024-25	5,633,350	4.8%
FY 2025-26	5,979,900	6.2%

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 FY 2020-21 expenses are significantly higher than previous years due to replacement of a CHP engine and a composting pilot as well as the WAS thickener project not being completed in FY 2019-20 as originally planned. In general, expenses over the next five years are significantly higher in comparison to the last five years to address aging infrastructure. Two major lift station projects will be funded out of the Improvement Fund in FY 2021-22 and FY 2023-24. The Improvement Fund does not have a sufficient balance to fully fund these projects. As a result, transfer of funds from the General Corporate Fund is planned for FY 2021-22, FY 2022-23 and FY 2023-24. FY 2024-25 and FY 2025-26 include the addition of phosphorus removing chemicals in anticipation of the future total phosphorus limit compliance date in the Wastewater Treatment center's NDPES permit. Major planned expenses are detailed in Exhibit 2.

IV. Vehicles

<u>Year</u>	<u>Vehicles</u>	<u>Replacements</u>	<u>Change</u>
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	140,654*	3*	134.5%
FY 2020-21	79,446	2	-43.5%
FY 2021-22	127,150	4	60.0%
FY 2022-23	146,400	4	15.1%
FY 2023-24	442,700	4	202.4%
FY 2024-25	165,750	4	-62.6%
FY 2025-26	145,850	3	-12.0%

*Revenue from the sale of a portion of the vehicles replaced is not included in the expense shown, whereas it is for all other years.

Vehicle expenses fluctuate based on vehicle replacement needs and average \$144,698 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. The two vehicles which were planned to be sold in FY19-20 were not sold until FY20-21 due to delays associated with the COVID pandemic. Rather than posting the revenue against the vehicle expenses as is normally done, the \$20,251 sales revenue was posted to miscellaneous revenue for FY20-21.

V. Insurance and Employee Benefits

<u>Year</u>	<u>Ins/Emp Benefits</u>	<u>Change</u>
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	1,157,725	-4.8%
FY 2020-21	1,213,467	4.8%
FY 2021-22	1,303,000	7.4%
FY 2022-23	1,378,000	5.5%
FY 2023-24	1,416,000	2.8%
FY 2024-25	1,455,000	2.8%
FY 2025-26	1,495,000	2.7%

The proposed increases in these expenditures are due to anticipated premium increases on all coverages, particularly employee group, workers compensation, property and liability. IMRF contributions are expected to decrease moderately each year over the next five years due to anticipated retirement activity.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2021-2022 to 2025-2026

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budget (as amended)	FY 20-21 Projected Actual	FY 21-22 Budget	FY 21-22 Appropriation	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
ADMINISTRATION												
SALARIES AND WAGES	\$775,142	\$789,783	\$877,821	\$1,034,786	\$891,300	\$893,249	\$981,700	\$1,130,000	\$994,600	\$1,028,750	\$1,064,050	\$1,100,650
% CHANGE FROM PRIOR YEAR	-1.9%	1.9%	11.1%	17.9%	-13.9%	-13.7%	9.9%		1.3%	3.4%	3.4%	3.4%
OFFICE EXPENSES	\$347,961	\$370,498	\$374,883	\$330,858	\$452,600	\$380,134	\$624,450	\$750,000	\$541,200	\$459,150	\$435,050	\$420,450
% CHANGE FROM PRIOR YEAR	11.6%	6.5%	1.2%	-11.7%	36.8%	14.9%	64.3%		-13.3%	-15.2%	-5.2%	-3.4%
VEHICLE EXPENSES	\$1,288	\$1,267	\$1,971	\$3,331	\$4,600	\$1,627	\$21,600	\$30,000	\$21,700	\$22,700	\$4,800	\$4,800
% CHANGE FROM PRIOR YEAR	-87.8%	-1.7%	55.6%	69.0%	38.1%	-51.2%	1227.9%		0.5%	4.6%	-78.9%	0.0%
TOTAL ADMINISTRATION EXPENSES	\$1,124,391	\$1,161,547	\$1,254,674	\$1,368,974	\$1,348,500	\$1,275,010	\$1,627,750	\$1,910,000	\$1,557,500	\$1,510,600	\$1,503,900	\$1,525,900
% CHANGE FROM PRIOR YEAR	1.1%	3.3%	8.0%	9.1%	-1.5%	-6.9%	27.7%		-4.3%	-3.0%	-0.4%	1.5%

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. The decrease in salary level in FY20-21 was a result of retirements at the general manager and sewer construction supervisor positions. The FY21-22 salary increase for current employees averages 3.3%. The extra increase in salary expenses for FY21-22 is due to the additions of a part-time IT Specialist, a planned vacation buyout, COVID-19 vaccination incentives and work from home reimbursement. A lower increase in salary expenses for FY22-23 is a result of not continuing pandemic related salary expenses (i.e., vacation buyout, incentives, and work from home allowance).

Office

A code review and HVAC review of the Administration Center by an architect are included. Funds are also included to make modifications to the HVAC system in the Administration Center in order to ensure a safer working environment during a pandemic. Planned improvements to the Administration Center also include remodeling the reception area, new carpeting and re-roofing. Office servers, network infrastructure 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 2021-2022 to 2025-2026

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budget (as amended)	FY 20-21 Projected Actual	FY 21-22 Budget	FY 21-22 Appropriation	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
WASTEWATER TREATMENT CENTER												
SALARIES AND WAGES	\$1,136,698	\$1,190,263	\$1,231,621	\$1,286,080	\$1,384,400	\$1,390,677	\$1,443,700	\$1,660,000	\$1,484,950	\$1,536,900	\$1,590,700	\$1,646,300
% CHANGE FROM PRIOR YEAR	3.9%	4.7%	3.5%	4.4%	7.6%	8.1%	3.8%		2.9%	3.5%	3.5%	3.5%
OPERATION & MAINTENANCE EXPENSES	\$1,561,447	\$1,521,669	\$1,439,911	\$1,976,672	\$3,714,050	\$3,180,930	\$2,077,050	\$2,490,000	\$2,059,550	\$1,959,750	\$2,547,200	\$2,903,400
% CHANGE FROM PRIOR YEAR	-8.7%	-2.5%	-5.4%	37.3%	87.9%	60.9%	-34.7%		-0.8%	-4.8%	30.0%	14.0%
VEHICLE EXPENSES	\$15,969	\$33,017	\$37,685	\$85,486	\$47,000	\$17,008	\$84,500	\$100,000	\$71,900	\$57,850	\$103,800	\$47,250
% CHANGE FROM PRIOR YEAR	-72.4%	106.8%	14.1%	126.8%	-45.0%	-80.1%	396.8%		-14.9%	-19.5%	79.4%	-54.5%
TOTAL PLANT EXPENSES	\$2,714,115	\$2,744,949	\$2,709,217	\$3,348,238	\$5,145,450	\$4,588,616	\$3,605,250	\$4,250,000	\$3,616,400	\$3,554,500	\$4,241,700	\$4,596,950
% CHANGE FROM PRIOR YEAR	-5.2%	1.1%	-1.3%	23.6%	53.7%	37.0%	-21.4%		0.3%	-1.7%	19.3%	8.4%

COMMENTS

- Salaries and Wages WWTC salaries and wages reflect full staffing, including an additional mechanic starting in FY 21-22 and projected annual salary adjustments.

- Operation & Maintenance Planned upgrades and replacements are detailed in Exhibit 2 under codes 12B500 and 12B800. Operation & maintenance expenses increased in FY20-21 as a result of the WAS thickener installation and replacement of one CHP engine. The decrease in FY21-22 is a result of these projects being complete and no larger projects being planned for the plant in FY21-22, with the exception of the outfall pipe replacement which is included in the collection system budget. The increase in FY24-25 is due to chemical addition to meet the phosphorus limit as required in the plant's NPDES permit.

- 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 2021-2022 to 2025-2026

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budget (as amended)	FY 20-21 Projected Actual	FY 21-22 Budget	FY 21-22 Appropriation	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
LABORATORY												
SALARIES AND WAGES	\$199,198	\$210,735	\$220,591	\$234,360	\$249,200	\$242,743	\$259,550	\$300,000	\$263,250	\$272,450	\$282,000	\$291,850
% CHANGE FROM PRIOR YEAR	3.0%	5.8%	4.7%	6.2%	6.3%	3.6%	6.9%		1.4%	3.5%	3.5%	3.5%
OPERATION & MAINTENANCE EXPENSES	\$116,480	\$67,454	\$58,395	\$64,713	\$89,200	\$75,362	\$147,800	\$180,000	\$113,900	\$113,800	\$157,100	\$112,800
% CHANGE FROM PRIOR YEAR	133.7%	-42.1%	-13.4%	10.8%	37.8%	16.5%	96.1%		-22.9%	-0.1%	38.0%	-28.2%
VEHICLE EXPENSES	\$7,230	\$487	\$469	\$1,689	\$750	\$548	\$850	\$10,000	\$18,350	\$850	\$900	\$20,950
% CHANGE FROM PRIOR YEAR	1424.7%	-93.3%	-3.9%	260.5%	-55.6%	-67.6%	55.2%		2058.8%	-95.4%	5.9%	2227.8%
TOTAL LABORATORY EXPENSES	\$322,907	\$278,675	\$279,455	\$300,762	\$339,150	\$318,653	\$408,200	\$490,000	\$395,500	\$387,100	\$440,000	\$425,600
% CHANGE FROM PRIOR YEAR	32.5%	-13.7%	0.3%	7.6%	12.8%	5.9%	28.1%		-3.1%	-2.1%	13.7%	-3.3%

COMMENTS

Salaries and Wages Projected lab salaries and wages reflect future annual salary adjustments with 2 full-time analysts. The higher than normal increase in FY21-22 is a result of planned COVID related compensation (i.e., vacation buyout and vaccination incentive), and the subsequent lower than normal increase the following FY is a result not continuing these items.

Operation & Maintenance Major expenditures include casework replacements, mold abatement, scheduled equipment replacements and renewal of the online analyzer service contracts. Additional outside laboratory services are included in FY21-22 for sampling for the Local Limits study that will be required by the NDPES permit when renewed.

Vehicles Vehicle fuel and repair costs for the five year period, with replacement of the lab car identified for FY22-23 and the lab van in FY25-26.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2021-2022 to 2025-2026

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budget (as amended)	FY 20-21 Projected Actual	FY 21-22 Budget	FY 21-22 Appropriation	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
COLLECTION SYSTEM												
SALARIES AND WAGES	\$443,429	\$443,889	\$489,291	\$397,684	\$473,700	\$416,492	\$479,050	\$550,000	\$481,750	\$498,650	\$516,150	\$534,200
% CHANGE FROM PRIOR YEAR	3.1%	0.1%	10.2%	-18.7%	19.1%	4.7%	15.0%		0.6%	3.5%	3.5%	3.5%
OPERATION & MAINTENANCE EXPENSES	\$2,243,910	\$2,091,278	\$2,173,756	\$1,270,544	\$1,873,150	\$1,570,290	\$3,077,850	\$3,690,000	\$2,427,000	\$2,444,400	\$2,446,350	\$2,448,850
% CHANGE FROM PRIOR YEAR	76.3%	-6.8%	3.9%	-41.6%	47.4%	23.6%	96.0%		-21.1%	0.7%	0.1%	0.1%
VEHICLE EXPENSES	\$18,863	\$60,921	\$19,862	\$50,149	\$77,200	\$60,263	\$20,200	\$30,000	\$34,450	\$361,300	\$56,250	\$72,850
% CHANGE FROM PRIOR YEAR	14.5%	223.0%	-67.4%	152.5%	53.9%	20.2%	-66.5%		70.5%	948.8%	-84.4%	29.5%
TOTAL COLLECTION SYSTEM EXPENSES	\$2,706,203	\$2,596,088	\$2,682,909	\$1,718,377	\$2,424,050	\$2,047,045	\$3,577,100	\$4,270,000	\$2,943,200	\$3,304,350	\$3,018,750	\$3,055,900
% CHANGE FROM PRIOR YEAR	57.4%	-4.1%	3.3%	-36.0%	41.1%	19.1%	74.7%		-17.7%	12.3%	-8.6%	1.2%

COMMENTS

- Salaries and Wages** The plan reflects full staffing and normal planned annual increases. The higher than normal increase in FY21-22 is a result of planned COVID related compensation (i.e., vacation buyout, vaccination incentive, and work from home allowance), and the subsequent lower than normal increase the following FY is a result not continuing these items.
- Operation & Maintenance** Continued implementation of the Building Sanitary Service Repair Assistance Program is reflected. The increase for FY21-22 is a result of planned replacement of a section of the Wastewater Treatment Center outfall sewer pipe. The next phase in the 1K-028 basin rehabilitation is also included in FY21-22. Expenses for planned structural rehab work are at target levels after FY21-22.
- Vehicles** Vehicle costs reflect fuel and normal maintenance and repairs. Future vehicle purchases are shown in Exhibit 2 under section 14C226. FY23-24 includes replacement of the combination vacuum/jet truck.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2021-2022 to 2025-2026

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budget (as amended)	FY 20-21 Projected Actual	FY 21-22 Budget	FY 21-22 Appropriation	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
LIFT STATIONS												
SALARIES AND WAGES	\$37,685	\$81,418	\$80,176	\$62,611	\$100,400	\$11,953	\$86,000	\$100,000	\$91,750	\$94,900	\$98,200	\$101,650
% CHANGE FROM PRIOR YEAR	-5.2%	116.0%	-1.5%	-21.9%	60.4%	-80.9%	619.5%		6.7%	3.4%	3.5%	3.5%
OPERATION & MAINTENANCE EXPENSES	\$270,264	\$272,665	\$316,677	\$328,148	\$302,400	\$206,566	\$694,600	\$830,000	\$762,700	\$646,400	\$302,500	\$355,850
% CHANGE FROM PRIOR YEAR	-7.1%	0.9%	16.1%	3.6%	-7.8%	-37.1%	236.3%		9.8%	-15.2%	-53.2%	17.6%
TOTAL LIFT STATION EXPENSES	\$307,949	\$354,083	\$396,853	\$390,759	\$402,800	\$218,519	\$780,600	\$930,000	\$854,450	\$741,300	\$400,700	\$457,500
% CHANGE FROM PRIOR YEAR	-6.9%	15.0%	12.1%	-1.5%	3.1%	-44.1%	257.2%		9.5%	-13.2%	-45.9%	14.2%

COMMENTS

Salaries and Wages The budget reflects salary adjustments based on the proportion of recent time spent on lift stations for maintenance staff. A portion of the Staff Engineer's salary was removed from the Wastewater Treatment Center salary budget and moved to the Lift Station budget. This is seen in the higher increase shown for FY21-22 when the Centex Lift Station replacement project will be completed as well as a study for the Butterfield Lift Station. This increase in in-house engineering for the Lift Stations is shown to continue in subsequent years as additional projects and studies are planned.

Operation & Maintenance Planned expenses for the lift stations is shown in Exhibit 2 under 15B500 and 15B800. Major expenses include internal testing of the Wroble forcemain and transfer of funds to the Improvement Fund for replacement of the Centex Lift Station and the Venard forcemain.

DOWNERS GROVE SANITARY DISTRICT - FIVE YEAR FINANCIAL PLAN - FISCAL YEARS 2021-2022 to 2025-2026

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budget (as amended)	FY 20-21 Projected Actual	FY 21-22 Budget	FY 21-22 Appropriation	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 Projected
SUMMARY AND ANALYSIS												
EXPENSE ANALYSIS BY DEPARTMENT												
INSURANCE AND EMPLOYEE BENEFITS												
TOTAL INSURANCE/EMPLOYEE BENEFITS	\$1,123,481	\$1,160,077	\$1,216,608	\$1,157,725	\$1,272,000	\$1,213,467	\$1,303,000	\$1,500,000	\$1,378,000	\$1,416,000	\$1,455,000	\$1,495,000
% CHANGE FROM PRIOR YEAR	1.1%	3.3%	4.9%	-4.8%	9.9%	4.8%	7.4%		5.8%	2.8%	2.8%	2.7%

COMMENTS

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

1. Generally expecting annual net increases in liability and property premiums of 5%. Specifically for Fiscal Year 21-22, staff has been advised by its property and casualty broker that property premiums are anticipated to be higher at renewal due to industry trends and staff has adjusted the anticipated premium for that line of coverage accordingly.
2. The District received a premium refund from its Workers Compensation carrier due to reduced claims activity and adjusted payrolls. With an expectation that at renewal, the rates may swing back the other way, staff has elected to carry the credit forward into the new fiscal year out of prudence. As the District continues to make gains with its safety initiatives, the workers compensation premiums will level off and/or recede.
3. Increases of 6% for employee group medical and dental each year. This year's budget request also includes additional anticipated expenses related to providing this benefit for additional positions anticipated to be hired during the course of the fiscal year.
4. IMRF contributions are expected to decrease moderately each year over the next five years. This is due to significant investment returns in 2019 (19.57%) being reflected now in the District's funded status and employer contribution rate. There are several longer-term employee retirements anticipated in the next four years which will impact projected employer contribution rates in the years following.
5. No change is expected in the District's social security contribution rate. The overall social security expense accounts for potential increases in wages associated with the hiring of additional District positions as discussed.

DOWNERS GROVE SANITARY DISTRICT
 MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE
 FISCAL YEARS 2021-22 TO 2025-26

EXHIBIT 2

	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26
GENERAL CORPORATE FUND					
11B115 (ADMIN-Eqpt/Eqpt Repair)					
1. MS Office software licensing updates	8,000	8000	8,000	8,000	8,000
2. Replace data servers	30,000		30,000		
3. Update website			10,000		
4. Replace entire network infrastructure		45,000			
Annual Totals	\$38,000	\$53,000	\$48,000	\$8,000	\$8,000
11B118 (ADMIN-Building & Grounds)					
1. Architect Code Review & HVAC review	51,000				
2. Upgrade front entrance	20,000	60,000			
3. Re-roof admin building				15,000	
4. Replace carpeting		25,000			
5. HVAC Modifications	55,000				
Annual Totals	\$126,000	\$85,000	\$0	\$15,000	\$0
11B137 (ADMIN-Dues/Subscriptions)					
1. National association of clean water agencies	1,200	1,200	1,250	1,250	1,250
2. Illinois association of wastewater agencies	4,600	4,650	4,650	4,700	4,700
Annual Totals	\$5,800	\$5,850	\$5,900	\$5,950	\$5,950
11C226 (ADMIN-Vehicle Purchases)					
1. Administration vehicles	23,000	21,500	22,000		
2. Sale of old vehicles	(5,500)	(4,000)	(4,000)		
Annual Totals	\$17,500	\$17,500	\$18,000	\$0	\$0
12B124 (WWTC-Contract Services)					
1. DRSCW membership/stream restoration	216,100	222,600	24,950	25,700	26,500
Annual Totals	\$216,100	\$222,600	\$24,950	\$25,700	\$26,500
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	22,000			28,000	
2. Maintenance supervisor pickup	24,000			28,000	
3. Electric cart	15,500	16,000			17,500
4. OPS/Maintenance/Electrical trucks			35,000	30,000	
5. Lift station pickup		40,000			
6. Sale of old vehicles	(7,000)	(15,000)	(9,000)	(15,000)	(4,000)
Annual Totals	\$54,500	\$41,000	\$26,000	\$71,000	\$13,500

DOWNERS GROVE SANITARY DISTRICT
 MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE
 FISCAL YEARS 2021-22 TO 2025-26

EXHIBIT 2

	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26
12B500 (WWTC-Eqpt/Eqpt Repair)					
1. Raw sewage pumping					
a. Raw sewage pump VFD replacement	6,250				
b. Compactor overhaul	7,500	7,750			8,500
2. Grit removal system					
a. Conveyor overhaul	20,000				
b. Grit classifier overhaul					15,000
c. Grit pump overhaul	6,500	6,750			7,250
3. Primary treatment					
a. Scum trough replacement	10,500	10,750	11,000		
b. Sludge collector replacement	11,500	17,250	11,000	14,000	
c. Aluminum gratings	3,000				
4. Secondary treatment					
a. Protective coatings - secondary clarifiers	47,500	49,000	50,500	52,000	
b. Secondary clarifier main gear reducer					25,000
c. Hoffman/PD blower overhaul	10,000			24,500	25,000
d. Aeration tank influent gate actuator				8,500	
e. DO probe replacement			15,000		
f. Railing, decking and concrete repairs	57,500	13,000		40,000	
g. RAS pump overhaul		6,500	15,500	16,000	
h. RAS system VFDs		15,000			
5. Intermediate clarifiers					
a. Protective coatings		45,000	46,500	48,000	
b. Railings		15,000	15,500	16,000	
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	10,000				
c. OSEC brine pump replacement			9,500		
d. OSEC generator replacement					125,000
e. Bisulfite pump replacements			8,500		9,000
f. Hypochlorite feed pump replacements	12,000				
g. Hypochlorite feed pump VFD replacements	2,250	2,350			
h. Hypo brine transfer pump replacement		12,500			
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. Protective Coatings - Bridge					60,000
9. Sludge concentrators					
a. Main gear reducers	50,000				

DOWNERS GROVE SANITARY DISTRICT
 MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE
 FISCAL YEARS 2021-22 TO 2025-26

EXHIBIT 2

	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26
10. Sludge digestion					
a. Re-coat/repair covers	44,000	13,000			
b. Digester 3 gas wasting control upgrade		20,000			
c. Digester 5 gas flare burner replacement		30,000			
d. Replace digester 2 mixing equipment				175,000	
e. Digester mixing compressor overhaul	7,000		7,250		14,750
f. Digester cleaning		100,000	100,000	100,000	200,000
11. Sludge dewatering system					
a. Belt press feed pump replacement				10,750	11,250
12. Biosolids aging and disposal					
a. Wheel loader replacement		65,000			75,000
b. Auger rebuilds	12,500	12,500	12,500	12,500	12,500
c. Dump truck - 12 yd, replacement			100,000		
d. Trommel screen replacement	180,000				
e. Curtiss lagoon drain system repairs	30,000				
13. Maintenance/utilities					
a. Maintenance Services Building equipment	10,000	3,000			
b. Main switchgear maintenance		300		700	
c. CHP Engine/Generator overhaul	60,000	21,500	208,000	11,500	227,000
d. Emergency generator control panel replacement				100,000	
e. SCADA PLC Upgrades	55,000	80,000	70,000	80,000	75,000
f. Software Upgrades (MP2, Hach WIMS, Bir	2,500	2,500	13,500	19,500	2,500
g. Yard piping repairs	40,000	41,200	42,450	43,700	45,000
Annual Totals	\$735,500	\$610,600	\$748,700	\$807,650	\$937,750
12B800 (WWTC-Building & Grounds)					
1. Roof repairs	25,000	28,500	18,000		35,000
2. Road / sidewalk repair	40,000	25,000	25,000	50,000	17,500
3. Window / door replacement	29,900	37,950	29,000	32,500	
4. HVAC repairs	10,100	7,750	3,250		
5. Outside stairs, railings, gratings, and fencing	9,500				
6. Tuckpointing	40,000	40,000	40,000	40,000	40,000
7. Interior painting		30,000	60,000	35,000	25,000
8. Code review		81,000			
Annual Totals	\$154,500	\$250,200	\$175,250	\$157,500	\$117,500
13B115 (LAB-Eqpt/Eqpt Repair)					
1. Casework/mold abatement	15,000				
2. Autosampler replacement			6,000	10,000	
3. Autoclave				15,000	
4. Incubators		15,000	5,000		
5. pH/Mult-function Meter					5,000
6. DO meter, BOD setup desktop model			6,000		
7. TSS Drying Oven					4,000
8. Amtax/Phosphax/Filtrax Service Partnership	27,000			27,000	
Annual Totals	\$42,000	\$15,000	\$17,000	\$52,000	\$9,000

DOWNERS GROVE SANITARY DISTRICT
 MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE
 FISCAL YEARS 2021-22 TO 2025-26

EXHIBIT 2

	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26
13C226 (LAB-Vehicle Purchase)					
1. Lab car		21,500			
2. Lab van					27,500
3. Sale of old vehicle		(4,000)			(7,500)
Annual Totals	\$0	\$17,500	\$0	\$0	\$20,000
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	295,000	1,100,000	1,100,000	1,100,000	1,100,000
3. I/I Program	707,000	100,000	100,000	100,000	100,000
4. Outfall pipe rehabilitation and repair	1,000,000	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	\$2,833,600	\$2,181,600	\$2,181,600	\$2,181,600	\$2,181,600
14C226 (SEWER SYSTEM-Vehicle Purchases)					
1. Inspection/technician vans/trucks			30,000		45,000
2. Supervisor pickup				28,000	
3. Combination vacuum/jet truck			375,000		
4. Sale of old vehicles	(12,500)		(80,000)	(10,000)	(12,500)
Annual Totals	(\$12,500)	\$0	\$325,000	\$18,000	\$32,500
15B500 (LIFT STATIONS-Eqpt/Eqpt Repair)					
1. Butterfield lift station					
a. Pump overhaul			3,600	3,700	
2. Centex lift station					
a. Transfer to Imprvmnt Fund (LS replcmnt)	275,000				
3. College lift station					
a. Pump overhaul	15,000		16,000		
b. Air relief valves	10,000				
c. Check valve replacement					15,000
4. Earlston lift station					
a. Replace pump				25,000	
5. Hobson lift station					
a. Pump overhaul	9,750		10,500	10,750	
b. Motor replacement					45,000
6. Northwest lift station					
a. Pump overhaul	3,500				

DOWNERS GROVE SANITARY DISTRICT
 MAJOR REPLACEMENTS AND PURCHASES BY BUDGET CODE
 FISCAL YEARS 2021-22 TO 2025-26

EXHIBIT 2

	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26
7. Venard lift station					
a. Transfer to Improvement Fund (FM replacement)		500,000	270,000		
8. Wroble lift station					
a. Pump overhaul		5,000	5,150		
b. Forcemain internal investigation			50,000		
c. VFD replacement	7,000				
9. General maintenance					
a. Portable pump replacements	8,500		17,500		25,000
Annual Totals	\$328,750	\$505,000	\$372,750	\$39,450	\$85,000
15B800 (LIFT STATIONS-Building & Grounds)					
1. Northwest access road improvements	81,000				
2. Cathodic protection testing			1,700		
3. Painting	7,500	15,000	17,500	8,250	12,500
4. Earliston biofilter replacement	15,000				
5. Hobson elevator repair/rehabilitation	20,000				
6. Wroble fence upgrade					
Annual Totals	\$123,500	\$15,000	\$19,200	\$8,250	\$12,500
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. Replace Centex LS	1,310,000				
4. Replace Venard LS forcemain		60,000	710,000		
5. Transfer from General Corporate Fund	(275,000)	(500,000)	(270,000)		
Annual Totals	\$1,128,200	(\$146,800)	\$733,200	\$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	\$149,900	\$633,900	\$512,900	\$28,900
GRAND TOTALS	\$5,973,350	\$4,175,950	\$5,482,450	\$4,349,200	\$3,924,900

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. Per the District's Fund Balance/Net Assets Policy, the fund balance is held near 25% of annual expenses. Due to growing expenses associated with aging infrastructure, the expenses for the next three years are projected to outpace the revenue, causing the fund balance to drop below the target of 25% of annual expenses. Rate and fee increases are proposed to bring the fund balance back up to 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 \$1.80 to \$1.95 per 1000 gallons of metered water consumption. User rate increases of \$0.35 are anticipated in FY 2022-23, FY 2024-25 and FY 2025-26 and an increase of \$0.25 is anticipated in FY 2023-24. User receipts during FY 2020-21 are projected at \$3,197,701. 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>
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	4.960	76,759
2020-21	5.019*	187,250

*projected for final 2 months

FY 2017-18 had a dry summer, compared to recent years, temporarily reversing the recent downward trend of billable flow. The downward trend in billable flow also reversed in FY 2020-21, likely due to customers being at home more during the COVID pandemic. The summer usage adjustments also appear to have been impacted in FY 2020-21 by the COVID pandemic, likely by customers who were at home more than in a normal year having more time to focus on their lawns. FY 2021-22 projections of user receipts are based on a billable flow of 4.919 MGD, which represents a billable flow 2.0% less than the FY 2020-21 levels. Water supply utilities' efforts at reducing water consumption are expected to continue to result in future reductions in billable flow. After FY 2021-22, this plan reflects a 3.0% per year reduction in billable flow consistent with target reductions established by water supply utilities, corroborated by historic trends.

Surcharges

The flow received from surcharge customers decreased approximately ten percent in the past year. The average BOD strength also decreased noticeably in the past year. This resulted in lower than anticipated surcharge income in FY 2020-21. This decrease is projected to continue into FY 2021-22. Surcharge rates for discharges in excess of normal domestic waste strengths (200 mg/l BOD and 250 mg/l SS) are proposed to remain at the current rates for FY 2021-22. Surcharge rate increases varying between 7.6% and 8.9% are planned for FY 2022-23 through FY 2025-26. These increases will bring the per pound cost of treating BOD and SS closer to the per pound costs that non-surcharge customers pay.

Monthly Service Fees

The plan reflects a monthly fee of \$17.00 per month through FY 2022-23 with an increase to \$18.00 per month in FY 2023-24. 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 not expected to change 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 decreased in FY 2020-21 and is anticipated to also be lower than previous years in FY 2021-22. After FY 2021-22, the number of inspections is expected to return to pre-2020 levels and remain constant.

Interest

Interest is estimated based on the average fund balance each year and an interest rate of roughly 0.5% for FY 2021-22 and 1.0% for the four years thereafter.

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.

The FY22-23 miscellaneous revenues also includes the estimated \$270,000 incentive from the ComEd Energy Efficiency program. The final amount of the incentive will be based upon the actual output during the first year of operation of the new CHP unit.

Grease Waste

Hauled restaurant grease trap waste continues to be accepted for treatment at the WWTC. The amount of grease waste accepted in FY 2020-21 was reduced due to only one CHP unit being in operation and also due to limitations on the amount of gas which can be flared. The new CHP unit will be in operation by the start of FY 2021-22 and more grease waste will be accepted as a result. This is reflected in the projected revenue for FY 2021-22 and is expected to remain constant over the five-year period.

Renewable Energy Credits

Renewable energy credits can be sold as they are generated by the new CHP equipment. The budget reflects anticipated market pricing and production.

GENERAL CORPORATE FUND
FUND BALANCE

Summary

The projected fund balance of the consolidated general corporate and replacement fund as of 4/30/22 is \$2,779,702. 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 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Budgeted	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 Projected
USER CHARGES										
RATE PER 1000 GALS	\$1.65	\$1.65	\$1.65	\$1.70	\$1.80	\$1.95	\$2.30	\$2.55	\$2.90	\$3.25
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	\$163.20	\$172.80	\$187.20	\$220.80	\$244.80	\$278.40	\$312.00
PROPERTY TAXES										
YEAR TAXES PAID	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
MEDIAN ASSESSED VALUE	\$88,150	\$88,150	\$93,940	\$95,680	\$101,120	\$105,165	\$111,264	\$117,718	\$124,545	\$131,769
DISTRICT TAX RATE	0.0434	0.0413	0.0404	0.0398	0.0406	0.0402	0.0398	0.0394	0.0390	0.0386
ANNUAL TAXES PAID	\$38.26	\$36.41	\$37.95	\$38.08	\$41.05	\$42.28	\$44.28	\$46.38	\$48.57	\$50.86
MONTHLY SERVICE FEE										
MONTHLY SERVICE FEE	\$13.50	\$15.00	\$16.00	\$17.00	\$17.00	\$17.00	\$17.00	\$18.00	\$18.00	\$18.00
ANNUAL SERVICE FEE	\$162.00	\$180.00	\$192.00	\$204.00	\$204.00	\$204.00	\$204.00	\$216.00	\$216.00	\$216.00
TOTAL ANNUAL COST	\$358.66	\$374.81	\$388.35	\$405.28	\$417.85	\$433.48	\$469.08	\$507.18	\$542.97	\$578.86
TOTAL MONTHLY COST	\$29.89	\$31.23	\$32.36	\$33.77	\$34.82	\$36.12	\$39.09	\$42.27	\$45.25	\$48.24
ANNUAL PERCENT CHANGE	5.5%	4.5%	3.6%	4.4%	3.1%	3.7%	8.2%	8.1%	7.1%	6.6%
TEN YEAR AVERAGE ANNUAL PERCENT CHANGE	3.6%	3.3%	2.9%	3.2%	3.4%	3.7%	4.4%	4.9%	5.2%	5.5%

DOWNERS GROVE SANITARY DISTRICT
 FIVE YEAR FINANCIAL PLAN
 CONSTRUCTION FUND
 FISCAL YEARS 2021-22 TO 2025-26

EXHIBIT 4

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budget	FY 20-21 Projected Actual	FY 21-22 Budget	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 Projected
REVENUES											
Sewer permit fees	\$532,902	\$296,607	\$189,349	\$237,232	\$250,000	\$252,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
Interest	\$3,007	\$324	\$1,559	\$9,114	\$16,450	\$1,400	\$1,400	\$1,500	\$1,400	\$1,100	\$1,100
Repayments - equipment replacement											
Plant switchgear	\$68,250	\$194,588									
Digester 4 mixing replacement	\$110,252										
State of Illinois Grant	\$49,000	\$197,876									
ICECF Grant				\$500,000							
Total Revenues	\$763,411	\$689,395	\$190,908	\$746,346	\$266,450	\$253,400	\$251,400	\$251,500	\$251,400	\$251,100	\$251,100
EXPENSES											
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	\$1,243,647	\$378,775									
Grit blower efficiency upgrade	\$34,036										
Grease receiving expansion	\$8,786	\$594,682									
Digester 1 mixing & gas piping upgrades	\$301,022										
Grease waste delivery ramp	\$9,573										
Chemical feed system - phosphorus removal								\$121,000	\$605,000	\$484,000	
Total Expenses	\$1,625,871	\$1,002,265	\$28,807	\$28,807	\$28,900	\$28,807	\$28,900	\$149,900	\$633,900	\$512,900	\$28,900
Excess (Deficiency) of Revenues over Expenses	(\$862,460)	(\$312,870)	\$162,100	\$717,539	\$237,550	\$224,593	\$222,500	\$101,600	(\$382,500)	(\$261,800)	\$222,200
Ending Fund Balance	\$466,140	\$153,270	\$315,371	\$1,032,909	\$1,270,459	\$1,257,502	\$1,480,002	\$1,581,602	\$1,199,102	\$937,302	\$1,159,502

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, 2020, there are 35,578 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 0.1%.
3. Grant Funds for Plant Upgrades – A \$500,000 grant, which covers a portion of the cost of the CHP biogas utilization project, was received in FY 2019-20.

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 \$1,159,502 by April 30, 2026, 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 2021-22 TO 2025-26

EXHIBIT 5

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budget	FY 20-21 Projected Actual	FY 21-22 Budget	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 Projected
REVENUES											
Trunk and lateral sewer service charges	\$185,010	\$115,496	\$47,857	\$57,500	\$90,000	\$104,743	\$90,000	\$90,000	\$90,000	\$90,000	\$90,000
Recapture	33,987										
Interest	9,929	14,183	21,542	24,628	16,900	6,954	3,000	1,500	1,450	300	300
Repayments											
Special assessment vouchers								200,000	200,000	200,000	200,000
Sewer replacements	300,000	317,200									
Transfer from General Corporate Fund							275,000	500,000	270,000		
Total Revenues	\$528,925	\$446,879	\$69,399	\$82,128	\$106,900	\$111,697	\$368,000	\$791,500	\$561,450	\$290,300	\$290,300
EXPENSES											
Unsewered areas											
Planning	\$4,055	\$3,163	\$6,174	\$11,370	\$7,500	\$1,000	\$500	\$7,500	\$500	\$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	40,000	1,310,000				
Venard LW forcemain replacement								60,000	710,000		
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	\$107,345	\$990,720	\$250,024	\$104,561	\$150,700	\$134,191	\$1,403,700	\$360,700	\$1,003,700	\$293,700	\$300,700
Excess (Deficiency) of Revenues over Expenses	\$421,579	(\$543,841)	(\$180,625)	(\$22,433)	(\$43,800)	(\$22,494)	(\$1,035,700)	\$430,800	(\$442,250)	(\$3,400)	(\$10,400)
Ending Fund Balance	\$1,886,095	\$1,342,254	\$1,161,629	\$1,139,196	\$1,095,396	\$1,116,702	\$81,002	\$511,802	\$69,552	\$66,152	\$55,752

IMPROVEMENT FUND

Summary

The Improvement Fund is intended to be utilized for sewer system and lift 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. The historic source of revenue for this fund is projected to continue at average 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 a full replacement of the Centex Lift Station in FY 2021-22 and replacement of the Venard Lift Station forcemain in FY 2023-24. The previous plan for the Improvement Fund envisioned the gradual accumulation of funds for future improvements or expansions. The lift station needs, however, are greater than the current revenue to the Improvement Fund can sustain. The plan shows transfers from the General Corporate Fund to the Improvement Fund in FY 2021-22, FY 2022-23 and FY 2023-24 to ensure sufficient funds are available to complete the above-mentioned projects.

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 0.5%.
3. Annual repayments from special assessments – These amounts represent reimbursements from special assessment projects for costs advanced by the improvement fund.
4. Transfers from the General Corporate Fund – Transfers from the General Corporate Fund are planned in FY 2021-22, FY 2022-23 and FY 2023-24. These transfers are shown under 15B500 in Exhibit 1 and are also included in Exhibit 2 and Exhibit 5.

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. The reduction in unsewered area planning expenses shown in Exhibit 5 reflects shifting the unsewered area plan updates from the District's engineering consultant to the District's Staff Engineer. It is anticipated that the District will have the engineering consultant review the unsewered area plan every third year based on their experience with the construction market.
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 2022-23.

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 Replacement – The budget includes anticipated costs associated with replacing the Centex Lift Station as it reaches the end of its useful service life. Construction is planned for FY 2021-22.
5. Venard Lift Station Forcemain Replacement – The budget includes anticipated costs associated with replacing the Venard Lift Station forcemains. The older of the two forcemains had two breaks in 2020. One of the repairs was made adjacent to a previous repair made several years ago. Design is planned for FY 2022-23, and construction is planned for FY 2023-24.

Fund Balance

The balance in the improvement fund is projected to be \$55,752 on April 30, 2026. 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 2021-22 TO 2025-26

EXHIBIT 6

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Budget	FY 20-21 Projected Actual	FY 21-22 Budget	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 Projected
REVENUES											
Interest	\$260	\$349	\$542	\$856	\$550	\$510	\$350	\$400	\$400	\$400	\$400
Total Revenues	\$260	\$349	\$542	\$856	\$550	\$510	\$350	\$400	\$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	\$260	\$349	\$542	\$856	\$550	\$510	\$350	\$400	\$600	\$600	\$600
Ending Fund Balance	\$35,577	\$35,926	\$36,468	\$37,325	\$37,875	\$37,835	\$38,185	\$38,585	\$39,185	\$39,785	\$40,385

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, 2021 is \$37,835.

Revenues

Interest is estimated at 1.0% 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 2025-26, projected to be \$40,385, 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, included a covered storage area.
4. Composting facility.
5. Nitrogen removal processes.
6. Improved odor control facilities.
7. Secondary clarifier feed flow splitter.
8. Aeration tank feed flow splitter.
9. Potential improvements to chlorination/dechlorination system to meet upcoming lower total residual chlorine limit.

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.