

# **ANNUAL BUDGET**

**2023**



Clear Answers for Clean Water<sup>SM</sup>

**September 2022**

***Western Lake Superior Sanitary District***

***Duluth, Minnesota***



## Introduction

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## Western Lake Superior Sanitary District

September 26, 2022

Board of Directors  
Western Lake Superior Sanitary District  
2626 Courtland Street  
Duluth, Minnesota 55806

We are pleased to submit the 2023 budget for the Western Lake Superior Sanitary District. This budget represents a collaborative effort between District staff, District Finance Committee and the District Board in addressing significant issues that impact future O&M expenditures as well as future capital expenditures while attempting to keep rates affordable.

### **WASTEWATER TREATMENT**

Wastewater charges total \$27.967 million in 2023 reflecting a 5.67% overall increase. This increase is primarily due to an increase in O&M expenses primarily related to chemical and energy costs. The budget includes revised 5-year projection for wastewater costs and rates for the period of 2024 thru 2028.

Flows and loadings are budgeted to increase over 2022 due primarily to strong industrial flows and loads and the start-up of the ST Paper 1 mill in Duluth. Biochemical Oxygen Demand (BOD) is up the most significantly at 7.91%, closely followed by Total Suspended Solids (TSS) at 7.30%. Flow is budgeted to increase by 1.31%.

Total charges to municipal customers increased by 2.60%. Total charges to industrial customers increased by 8.27% reflective of the addition of the ST Paper 1 mill. The 2023 unit costs for all parameters changed as follows from 2022: Peak Flow increased by 9.42%, Flow increased by 6.49%, BOD increased by 1.47%, and TSS increased by 0.78%.

The budget continues to provide strong Operations Fund balances with a goal of maintaining at least 25% of annual wastewater Operations and Maintenance costs in reserve. The rates maintain the target for debt service fund balance at year-end at 120% or greater.

The budget includes a revised 10-year capital improvement plan. The capital budget for 2023 is \$18.839 million with the primary capital expenditure being the replacement of the thickener system in the Wastewater Treatment Plant. The capital plan incorporates the wastewater master planning priorities including improvements to both wastewater collection, treatment and energy management.

## **SOLID WASTE**

The 2023 budget includes no change to either solid waste management fee. The commercial hauler-collected portion of the fee increased by 20% as of January 1, 2015, and the residential line-item fee increased from \$18 to \$25 per year for year-round residences and from \$9 to \$12.50 on seasonal properties as of January 1, 2015. These increases generated sufficient additional revenue to continue current programs with no increase for 2023 needed. The solid waste management fee is used to pay for the District's environmental programs and solid waste planning and management.

Disposal costs for municipal solid waste and mixed waste at the transfer station are subject to annual increases each year based on the Consumer Price Index (CPI). The budget for 2023 reflects the current transfer station rates effective July 1, 2022 along with the transfer station estimated annual CPI adjustment effective July 1, 2023.

The Operations Fund goal continues to be at 25% of Operations and Maintenance costs for solid waste. A deficit of \$513,612 is budgeted for the solid waste operations in 2023 due to additional operating and capital expenditure needs for the solid waste facilities.

## **DISTRICT-WIDE ALLOCATION**

The District-Wide Allocation is used to support the planning and water quality management within District boundaries. The 2023 budget remains unchanged from the 2022 budget total amount of \$355,000.

Respectfully submitted,



Marianne Bohren  
Executive Director



Cathy A. Remington  
Director of Finance

Mission / Vision Statement

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### **WLSSD Mission Statement**

The mission of Western Lake Superior Sanitary District (WLSSD) is to plan and provide for the effective and economical collection and treatment of wastewater and to ensure responsible solid waste management through effective planning and oversight, education and customer services in order to

- protect public health and safety;
- preserve and ensure the best use of waters, land, and natural resources;
- prevent, control and abate water and solid waste pollution,

thereby protecting the St. Louis River basin and Lake Superior.

These services will be performed in a manner that exceeds state and federal environmental regulations and with a focus on pollution prevention, waste and toxicity reduction, beneficial reuse and recycling.

### **WLSSD Vision Statement**

WLSSD will be a leader in effective waste management, continuously evolving to reflect the changing needs of its constituents and stakeholders from local to international levels. This will be achieved through effective long-range planning.

WLSSD's services will be delivered in a cost-effective manner, providing value to its users and ensuring the long-term financial viability of District operations. WLSSD will consistently meet or exceed all permit standards. WLSSD will be proactive in seeking and implementing innovative environmental protection strategies that allow the organization to continue as an international leader, especially by pioneering preventive approaches and technologies. Facilities and equipment will be maintained to a standard of excellence. Resources to determine effective treatment and disposal options will be available to all within the District.

WLSSD will be a place where all employees are proud to come to work and express the pride both inside and outside the organization. District employees will work together to achieve the WLSSD vision by focusing on continuous improvement.

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## Dist Summary of Revenues & Expenses

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WESTERN LAKE SUPERIOR SANITARY DISTRICT  
TOTAL DISTRICT SCHEDULE  
OF REVENUES AND EXPENSES

DESCRIPTION	BUDGET 2022	ESTIMATE 2022	BUDGET 2023	% CHNG BUDG 23/ BUDG 22	% CHNG BUDG 23/ EST 22
MUNICIPALITIES	12,128,486	12,128,486	12,443,855	3 %	3 %
INDUSTRIES	14,317,783	14,791,943	15,507,989	8	5
SOLID WASTE	10,429,757	11,026,198	11,644,878	12	6
OPERATING INVEST EARN	30,000	50,242	240,000	700	378
DISTRICT-WIDE ALLOC	355,000	355,000	355,000		
GRANTS	369,000	369,000	364,000	1-	1-
OTHER	1,000,750	1,111,312	1,152,500	15	4
TOTAL REVENUES	38,630,776	39,832,181	41,708,222	8 %	5 %
PAYROLL					
SALARIES,VAC,HOL,PERS	7,877,702	8,115,099	8,439,887	6.7-%	3.8-%
SICK	257,241	260,264	272,457	5.6-	4.5-
OVERTIME	310,500	325,000	353,100	12.1-	8.0-
OTHER	3,622,854	3,671,460	4,043,859	10.4-	9.2-
TOTAL PAYROLL	12,068,297	12,371,823	13,109,303	7.9-%	5.6-%
NON-PAYROLL					
FUEL OIL	4,000	7,250	7,000	42.9-%	3.6 %
NATURAL GAS	170,692	238,345	259,056	34.1-	8.0-
SUB TOTAL	174,692	245,595	266,056	34.3-%	7.7-%
ELECTRICITY	3,027,424	3,393,809	3,700,891	18.2-%	8.3-%
OTHER UTIL & FUELS	544,131	612,575	643,030	15.4-	4.7-
SUB TOTAL	3,571,555	4,006,384	4,343,921	17.8-%	7.8-%
REPAIRS	839,000	849,042	836,000	0.4 %	1.6 %
INSURANCE	175,000	201,250	225,000	22.2-	10.6-
SOLID WASTE DISPOSAL	5,676,319	6,342,124	6,910,759	17.9-	8.2-
CONTRACT SERV	2,160,008	1,975,481	2,257,253	4.3-	12.5-
SUPPLIES	383,680	464,467	504,379	23.9-	7.9-
CHEMICALS	1,784,583	1,687,983	2,808,971	36.5-	39.9-
OTHER	1,335,562	1,328,258	1,496,896	10.8-	11.3-
SUB TOTAL	12,354,152	12,848,605	15,039,258	17.9-%	14.6-%
TOTAL NON-PAYROLL	16,100,399	17,100,584	19,649,235	18.1-%	13.0-%
TOTAL O & M EXPENSES	28,168,696	29,472,407	32,758,538	14.0-%	10.0-%
CAPITAL PROJECTS	3,335,000	3,290,000	3,067,500	8.7 %	7.3 %
INVEST EARN CONSTRUCT	36,500	35,564	85,000	133 %	139 %
INVEST EARN DEBT SERV	37,500	64,326	150,000	300	133
TRANSFER STAT CAPITAL	116,228	111,746	116,228		4-
DEBT SERVICE	8,580,119	8,580,119	8,584,567	0.1-%	0.1-%
TOTAL EXPENDITURES	40,126,043	41,354,382	44,291,833	9.4-%	6.6-%
NET SURPLUS	1,495,267-	1,522,201-	2,583,611-	73 %	70 %

WESTERN LAKE SUPERIOR SANITARY DISTRICT  
WASTEWATER TREATMENT SCHEDULE OF  
REVENUES AND EXPENSES

DESCRIPTION	BUDGET 2022	ESTIMATE 2022	BUDGET 2023	% CHNG BUDG 23/ BUDG 22	% CHNG BUDG 23/ EST 22
MUNICIPALITIES	12,128,486	12,128,486	12,443,855	3 %	3 %
INDUSTRIES	14,317,783	14,791,943	15,507,989	8	5
OPERATING INVEST EARN	25,000	42,706	200,000	88	79
DISTRICT WIDE ALLOC	355,000	355,000	355,000	0	0
MISCELLANEOUS REV	1,000,000	1,111,036	1,150,000	13	3
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TOTAL REVENUES	27,826,269	28,429,171	29,656,844	6 %	4 %
DIRECT WASTEWATER EXPEN					
CLEAN WATER PRODUCTIO	6,546,761	6,559,130	5,091,747	28.6 %	28.8 %
CONVEYANCE	2,082,319	2,227,418	2,318,700	10.2-	3.9-
BIOSOLIDS	904,836	894,878	1,018,133	11.1-	12.1-
ENV PROG WASTEWATER	258,673	295,645	307,576	15.9-	3.9-
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SUB TOTAL	9,792,589	9,977,071	8,736,156	12.1 %	14.2 %
ALLOCATED DEPARTMENT EX					
BUSINESS SERVICES	1,747,734	1,875,243	2,024,131	13.7-%	7.4-%
MECHANICAL MAINT	2,093,206	2,108,668	2,153,127	2.8-	2.1-
FACILITIES & UTILITIE			3,154,872	100.0-	100.0-
ELECTRICAL MAINT	1,277,332	1,308,702	1,592,098	19.8-	17.8-
PLANNING & ENGINEER	887,954	942,226	931,256	4.7-	1.2
MANAGEMENT INFO	725,092	729,071	796,070	8.9-	8.4-
LAB SERVICES	872,239	948,810	989,570	11.9-	4.1-
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SUB TOTAL	7,603,557	7,912,720	11,641,124	35-%	32-%
TOTAL O & M EXPENSES	17,396,146	17,889,791	20,377,280	14.6-%	12.2-%
CAPITAL PROJECTS	3,000,000	3,000,000	3,000,000		
INVEST EARN CONSTRU	21,500	31,504	75,000	71 %	58 %
INVEST EARN DEBT SER	37,500	64,326	150,000	75	57
DEBT SERVICE	8,580,119	8,580,119	8,584,567	0.1-%	0.1-%
NET SURPLUS	1,090,996-	944,909-	2,080,003-	48 %	55 %



WESTERN LAKE SUPERIOR SANITARY DISTRICT  
SOLID WASTE SCHEDULE OF  
REVENUES AND EXPENSES

DESCRIPTION	BUDGET 2022	ESTIMATE 2022	BUDGET 2023	% CHNG BUDG 23/ BUDG 22	% CHNG BUDG 23/ EST 22
TIPPING FEES	5,438,303	5,953,444	6,646,470	18 %	10 %
MATERIAL RECOVERY FEES	669,990	636,490	664,525	1-	4
HAULER COLLECTED FEES	2,695,000	2,851,300	2,695,000	0	6-
PROPERTY TAX	1,140,425	1,140,425	1,143,613	0	0
OPERATING INVEST EARN	5,000	7,536	40,000	88	81
GRANTS	369,000	369,000	364,000	1-	1-
HHW REVENUES	364,500	323,000	373,500	2	14
YARD WASTE/ORGANICS	121,539	121,539	121,770	0	0
MISCELLANEOUS	750	276	2,500	70	89
TOTAL REVENUES	10,804,507	11,403,010	12,051,378	10 %	5 %
SOLID WASTE OPERATIONS					
TRANSFER STATION 27TH	5,307,828	6,045,797	6,510,915	18-%	7-%
MATERIALS RECOVERY	1,341,174	1,317,179	1,483,085	9.6-%	11.2-%
ORGANICS COMPOSTING	363,191	386,560	391,426	7.2-	1.2-
HOUSEHOLD HAZARDOUS	930,054	971,851	1,021,976	9.0-	4.9-
ENVIRONMENTAL PROGRAM	924,218	849,271	926,332	0.2-	8.3-
SUB TOTAL	8,866,465	9,570,658	10,333,734	14.2-%	7.4-%
ALLOCATED DEPARTMENT EX					
BUSINESS SERVICES	960,671	1,030,759	1,112,597	13.7-%	7.4-%
MECHANICAL MAINT	163,620	164,828	170,734	4.2-	3.5-
ELECTRICAL MAINT	99,847	102,298	25,888	285.7	295.2
PLANNING & ENGINEER	311,984	331,053	327,198	4.7-	1.2
MANAGEMENT INFO	235,345	236,586	258,382	8.9-	8.4-
LAB SERVICES	134,617	146,434	152,725	11.9-	4.1-
SUB TOTAL	1,906,084	2,011,958	2,047,524	6.9-%	1.7-%
TOTAL O & M EXPENSES	10,772,549	11,582,616	12,381,258	13.0-%	6.5-%
CAPITAL PROJECTS	335,000	290,000	67,500	396.3 %	329.6 %
INVEST EARN CONSTRUCT	15,000	4,060	10,000	50-%	59 %
TRANSFER STA CAPITAL	116,228	111,746	116,228	0	4-
NET SURPLUS	404,270-	577,292-	503,608-	20 %	15-%

WESTERN LAKE SUPERIOR SANITARY DISTRICT  
REVENUE STATEMENT

DESCRIPTION	BUDGET 2022	ESTIMATE 2022	BUDGET 2023	% CHNG BUDG 23/ BUDG 22	% CHNG BUDG 23/ EST 22
3000 WWT CHARGE-DULUTH	9,368,535	9,368,535	9,622,827	3 %	3 %
3020 WWT CHARGE-CLOQUET	1,053,638	1,053,638	1,081,998	3	3
3040 WWT CHARGE-PROCTOR	341,820	341,820	351,828	3	3
3060 WWT CHARGE-HERMANTOWN	578,737	578,737	598,050	3	3
3080 WWT CHARGE-SCANLON	136,329	136,329	141,775	4	4
3100 WWT CHARGE-THOMSON TWN	162,337	162,337	167,899	3	3
3120 WWT CHARGE-CARLTON	117,347	117,347	120,945	3	3
3140 WWT CHARGE-WRENSHALL	24,209	24,209	24,994	3	3
3150 WWT CHARGE-TWIN LAKES	96,707	96,707	79,156	22-	22-
3160 WWT CHARGE-THOMSON CITY	9,874	9,874	10,128	3	3
3170 WWT CHARGE-OLIVER	18,215	18,215	18,744	3	3
3180 WWT CHARGE-JAY COOKE	2,515	2,515	2,485	1-	1-
3190 WWT CHARGE-PIKE LAKE	82,205	82,205	84,466	3	3
3210 WWT CHARGE-NORTH SHORE	48,068	48,068	49,176	2	2
3213 WWT CHARGE-MPCA LANDFIL	9,049	9,049	8,624	5-	5-
3214 WWT CHARGE-MIDWAY	4,902	4,902	4,697	4-	4-
3215 WWT CHARGE-KNIFE RIVER	19,976	19,976	20,510	3	3
3220 WWT CHARGE-RICE LAKE	54,023	54,023	55,553	3	3
SUB TOTAL	12,128,486	12,128,486	12,443,855	3 %	3 %
3360 WWT CHARGE-SAPPI	12,431,270	12,870,258	13,006,827	4 %	1 %
3380 WWT CHARGE-USG	542,891	624,575	609,250	11	3-
3420 WWT CHARGE-SPEC MINERAL	155,224	157,200	149,138	4-	5-
3440 WWT CHARGE-ST PAPER 1	1,188,398	1,139,910	1,742,774	32	35
SUB TOTAL	14,317,783	14,791,943	15,507,989	8 %	5 %
3510 WWT CHARGE-PERMITS	0	2,300	750	100 %	207-%
3520 WWT CHARGE-HAULED WASTE	617,000	542,236	617,000	0	12
3530 CAPACITY AVAILABILITY F	350,000	525,000	500,000	30	5-
3535 FINANCE CHARGE REVENUE	0	10,000	0	0	0
3540 BIOSOLIDS REVENUE	30,000	30,000	30,000	0	0
SUB TOTAL	997,000	1,109,536	1,147,750	13 %	3 %
3600 TIPPING FEE-DISTRICT	3,097,466	3,454,243	3,924,536	21 %	12 %
3610 TIPPING FEE-SELF HAUL	2,498	2,786	3,165	21	12
3660 TIPPING FEE-CARLTON	927,000	935,772	970,210	4	4
3665 TIPPING FEE-SUPERIOR	449,603	501,390	569,654	21	12
3675 TIPPING FEE-COOK CTY	289,744	323,118	367,110	21	12
3680 TIPPING FEE-LAKE CTY	414,634	462,393	525,348	21	12
3685 SW PERMITS/LICENSES	5,000	5,075	5,000	0	2-

WESTERN LAKE SUPERIOR SANITARY DISTRICT  
REVENUE STATEMENT

DESCRIPTION	BUDGET 2022	ESTIMATE 2022	BUDGET 2023	% CHNG BUDG 23/ BUDG 22	% CHNG BUDG 23/ EST 22
3720 ADMIN FEE-DISTRICT	62,054	69,811	77,568	20 %	10 %
3721 ADMIN FEE-CARLTON CTY	27,376	30,276	33,176	17	9
3722 ADMIN FEE-SUPERIOR	18,000	19,125	20,250	11	6
3723 ADMIN FEE-COOK CTY	11,600	12,325	13,050	11	6
3724 ADMIN FEE-LAKE CTY	16,600	17,638	18,675	11	6
3725 CAPITAL FEE-DISTRICT	18,000	18,000	18,000	0	0
3726 CAPITAL FEE-CARLTON CTY	28,928	28,928	28,928	0	0
3727 CAPITAL FEE-SUPERIOR	27,000	27,000	27,000	0	0
3728 CAPITAL FEE-COOK CTY	17,400	17,400	17,400	0	0
3729 CAPITAL FEE-LAKE CTY	24,900	24,900	24,900	0	0
3730 SW ORDINANCE LATE CHARG	500	3,264	2,500	80	31-
SUB TOTAL	5,438,303	5,953,444	6,646,470	18 %	10 %
3630 MRC-DEMO, MIXED WASTE	669,990	636,490	664,525	1-	4 %
SUB TOTAL	669,990	636,490	664,525	1-	4 %
3690 SERV FEE-DISTRICT	2,605,000	2,761,300	2,605,000	0 %	6-
3695 SERV FEE-CARLTON OUT	10,000	10,000	10,000	0	0
3698 SERV FEE-OTHER	80,000	80,000	80,000	0	0
SUB TOTAL	2,695,000	2,851,300	2,695,000	0 %	6-
3801 PROPERTY TAX-ST LOUIS C	946,275	946,275	948,063	0 %	0 %
3802 PROPERTY TAX-CARLTON CT	194,150	194,150	195,550	1	1
SUB TOTAL	1,140,425	1,140,425	1,143,613	0 %	0 %
3700 INVESTMENT EARNINGS	30,000	50,242	240,000	88 %	79 %
3701 INVESTMENT EARN-CONST	36,500	35,564	85,000	57	58
3702 INVESTMENT EARN-DS	37,500	64,326	150,000	75	57
SUBTOTAL	104,000	150,132	475,000	78 %	68 %
3800 DISTRICT-WIDE	355,000	355,000	355,000	0 %	0 %
3850 CAPITAL CONTRIBUTIONS	0	0	750	100	100
3944 FINANCE CHARGE REVENUE	750	276	2,500	70	89
3950 MISCELLANEOUS	3,000	1,500	1,500	100-	0
SUB TOTAL	358,750	356,776	359,750	0 %	1 %
3900 HHW-STATE GRANT	69,000	69,000	64,000	8-	8-
3650 HHW CONTRACT-REGIONAL	68,000	68,000	100,000	32	32
3641 HHW REV-BATTERIES	4,000	4,000	5,000	20	20
3642 HHW FEES-VSQG	12,000	12,000	21,000	43	43
3643 HHW FEES-PAINT CARE	186,000	186,000	190,000	2	2
3645 HHW FEES-MISCELLANEOUS	9,000	0	0	0	0
3648 HHW REV-DEPT OF AG	7,500	13,000	7,500	0	73-
3655 HHW SERVICE FEES	78,000	40,000	50,000	56-	20
SUBTOTAL	433,500	392,000	437,500	1 %	10 %

WESTERN LAKE SUPERIOR SANITARY DISTRICT  
REVENUE STATEMENT

DESCRIPTION	BUDGET 2022	ESTIMATE 2022	BUDGET 2023	% CHNG BUDG 23/ BUDG 22	% CHNG BUDG 23/ EST 22
RECYCLING					
3890 STATE GRANT-SCORE	300,000	300,000	300,000	0 %	0 %
SUBTOTAL	300,000	300,000	300,000	0 %	0 %
3637 YARD WASTE REVENUE	121,539	121,539	121,770	0 %	0 %
SUBTOTAL	121,539	121,539	121,770	0 %	0 %
3944 FINANCE CHARGE REVENUE	750	276	2,500	70 %	89 %
3950 MISCELLANEOUS	3,000	1,500	1,500	100-	0
SUB TOTAL	3,750	1,776	4,000	6 %	56 %
TOTAL	38,708,526	39,933,847	41,947,222	8 %	5 %

WESTERN LAKE SUPERIOR SANITARY DISTRICT  
EXPENSE STATEMENT

DESCRIPTION	BUDGET 2022	ESTIMATE 2022	BUDGET 2023	% CHNG BUDG 23/ BUDG 22	% CHNG BUDG 23/ EST 22
4010 DIRECT WAGES	6,780,466	6,988,115	7,288,409	7-	4-
4020 SUNDAY PREMIUM	61,421	57,100	60,826	1	6-
4030 HOLIDAY PREMIUM	31,006	30,831	32,908	6-	6-
4040 SHIFT	13,418	12,648	13,410	0	6-
4050 VACATION	622,842	649,705	652,984	5-	1-
4060 HOLIDAY	276,412	282,525	293,512	6-	4-
4070 PERSONAL LEAVE	92,137	94,175	97,838	6-	4-
4080 SICK	257,241	260,264	272,457	6-	4-
SUB TOTAL	8,134,943	8,375,363	8,712,344	7-	4-
4090 OVERTIME	310,500	325,000	353,100	12-	8-
SUB TOTAL	8,445,443	8,700,363	9,065,444	7-	4-
4200 EMPLOYERS FICA	536,765	550,541	598,271	10-	8-
4210 EMPLOYERS FICA/MEDIC	122,922	126,401	131,911	7-	4-
4220 EMPLOYERS PERA	633,026	651,020	679,526	7-	4-
4240 GROUP HOSPITAL/MED	1,980,150	1,993,691	2,265,120	13-	12-
4260 GROUP DENTAL	85,188	86,053	102,769	17-	16-
4280 GROUP LIFE	10,335	10,597	11,471	10-	8-
4300 LONG-TERM DISABILITY	22,468	23,157	22,791	1-	2
4340 WORKERS COMPENSATION	180,000	180,000	180,000	0	0
4350 UNEMPLOYMENT COMP	20,000	18,000	20,000	0	10-
4390 OTHER BENEFITS	32,000	32,000	32,000	0	0
SUB TOTAL	3,622,854	3,671,460	4,043,859	10-	9-
TOTAL PAYROLL	12,068,297	12,371,823	13,109,303	8-	6-
4520 CONTRACT CLEANING	94,300	84,272	86,936	8 %	3-
4800 FUEL-FUEL OIL	4,000	7,250	7,000	43-	4
4820 FUEL-NATURAL GAS	170,692	238,345	259,056	34-	8-
5000 ELECTRICITY	3,027,424	3,393,809	3,700,891	18-	8-
5200 TELEPHONE	52,619	45,921	51,394	2	11-
5210 TELEMETER	159,797	163,386	163,893	2-	0
5220 GASOLINE	23,100	30,800	35,700	35-	14-
5230 DIESEL	103,025	174,702	175,919	41-	1-
5240 WATER	191,603	159,651	178,524	7	11-
5241 STORM WATER FEE	13,987	38,115	37,600	63-	1
5512 INVOICE MATCH WRITE-OFF	0	18	0	0	0
5520 REPAIRS-MAINTENANCE	649,000	626,000	631,000	3	1-
5525 INVENTORY ADJUSTMENTS	0	2,782	0	0	0
5530 INVENTORY COST VARIANCE	0	242	0	0	0
5570 REPAIRS-INTERCEPTORS	40,000	70,000	40,000	0	75
5580 CLEAN-INTERCEPTORS	150,000	150,000	165,000	9-	9-
5701 SOLID WASTE DISPOSAL	4,331,488	4,331,500	4,533,390	4-	4-
5702 SOLID WASTE DISPOSAL-MR	214,810	200,285	272,168	21-	26-
5703 TR STA OPERATION AND TR	851,955	1,549,666	1,829,799	53-	15-
5704 SOLID WASTE HAULING-MRC	210,000	209,000	211,000	0	1-
5705 ANNUAL UNACCEPTABLE INC	14,000	11,000	20,000	30-	45-
5706 SOLID WASTE DISPOSAL-CO	2,000	2,000	2,000	0	0

WESTERN LAKE SUPERIOR SANITARY DISTRICT  
EXPENSE STATEMENT

DESCRIPTION	BUDGET 2022	ESTIMATE 2022	BUDGET 2023	% CHNG BUDG 23/ BUDG 22	% CHNG BUDG 23/ EST 22
5710 GRIT DISPOSALS	19,266	15,103	14,102	37 %	7 %
5790 CONT SERV-DISP HOUSEHOL	30,000	20,000	25,000	20	20-
5791 CONT SERV-DISP MEDICAL	1,500	1,200	1,500	0	20-
5792 CONT SERV-DISP PHARMACE	300	265	300	0	12-
5794 CONT SERV-DISP ORGANICS	1,000	1,500	1,500	33-	0
5795 CONT SERV-DISP ORGANICS	0	605	0	0	0
5800 CONT SERV-ELECTRICAL	30,000	30,000	36,000	17-	17-
5805 CONT SERV-BIOFILTER	10,000	0	10,000	0	100-
5806 CONT SERV-BAGGING	15,000	16,084	17,000	12-	5-
5807 CONT SERV-WOOD GRINDING	24,000	27,000	27,000	11-	0
5808 CONT SERV-SNOW PLOWING	17,000	13,000	15,000	13	13-
5812 CONT SERV-DISP MATRESSE	87,500	87,000	100,000	13-	13-
5813 CONT SERV-DISP ELECTRON	100,500	100,000	70,000	44	43
5814 CONT SERV-DISP FLUORESC	22,000	21,000	22,000	0	5-
5815 CONT SERV-DISP TIRE	39,200	35,600	43,000	9-	17-
5816 CONT SERV-DISP LOCAL	75,000	100,000	100,000	25-	0
5817 CONT SERV-DISP COUNTY	68,000	68,000	70,000	3-	3-
5818 CONT SERV-RECY SHEDS	90,700	90,000	92,000	1-	2-
5819 CONT SERV-DISP PAINT CA	156,000	115,000	125,000	25	8-
5820 CONT SERV-O/M PLANT	110,000	100,000	130,500	16-	23-
5835 CONT SERV-GENERATORS	35,200	28,000	40,000	12-	30-
5840 CONT SERV-O/M MOBILE	140,000	150,000	170,000	18-	12-
5852 CONT SERV-FIELD WORK	4,000	7,867	8,000	50-	2-
5860 CONT SERV-OTHER	496,162	403,882	555,166	11-	27-
5868 CONT SERV-HARDWARE MAIN	70,205	48,368	54,114	30	11-
5870 CONT SERV-DP MAINT	359,991	386,103	416,337	14-	7-
5871 CONT SERV-MOBILE DEVICE	6,300	5,005	5,600	13	11-
5875 CONT SERV-SERV FEE	45,650	46,000	45,800	0	0
5880 CONT SERV-AD AGENCY	13,300	13,300	16,800	21-	21-
5900 CONT SERV-ENFORCEMENT	0	0	1,000	100-	100-
5950 WASTE SORT	50,000	0	0	0	0
6000 SUPPLIES-BUILDING	29,700	36,258	30,740	3-	18
6010 SUPPLIES-EQUIPMENT	146,005	135,164	181,573	20-	26-
6040 SUPPLIES-LAB	45,000	15,000	40,000	13	63-
6050 SUPPLIES-LUBE	15,000	15,000	20,000	25-	25-
6060 SUPPLIES-MAINTENANCE	52,000	80,000	70,000	26-	14
6070 SUPPLIES-OFFICE	6,075	65,800	5,175	17	1171
6090 SUPPLIES-OTHER	54,600	69,849	33,525	63	108
6110 SUPPLIES-SAFETY	9,300	13,196	68,366	86-	81-
6120 SUPPLIES-SITE	2,000	3,000	3,000	33-	0
6125 SUPPLIES-SOFTWARE	5,000	3,700	5,000	0	26-
6130 SUPPLIES-TOOLS	19,000	27,500	22,000	14-	25
6150 SUPPLIES-SHIPPING	0	0	25,000	100-	100-
6300 CHEMICALS-GENERAL	35,344	30,000	35,344	0	15-
6315 CHEMICALS-LIQUID OXYGEN	10,980	19,553	20,100	45-	3-
6320 CHEMICALS-SODIUM HYPOCH	457,529	643,768	1,220,728	63-	47-
6330 CHEMICALS-POLYMER-THICK	175,725	107,614	236,293	26-	54-
6335 CHEMICALS-POLYMER-DEWAT	712,474	615,338	941,675	24-	35-
6360 CHEMICALS-BOILER	2,000	1,000	2,000	0	50-
6370 CHEMICALS-DEFOAMANT	52,275	43,640	66,048	21-	34-
6410 CHEMICALS-SODIUM BISULF	2,222	2,070	2,222	0	7-
6420 CHEMICALS-FERRIC CHLORI	336,034	225,000	284,561	18	21-
6560 INSURANCE-PROPERTY	175,000	201,250	225,000	22-	11-

WESTERN LAKE SUPERIOR SANITARY DISTRICT  
EXPENSE STATEMENT

DESCRIPTION	BUDGET 2022	ESTIMATE 2022	BUDGET 2023	% CHNG BUDG 23/ BUDG 22	% CHNG BUDG 23/ EST 22
6700 LEGAL	150,500	175,000	150,000	0 %	17 %
6750 AUDIT	36,250	36,250	38,260	5-	5-
6900 SAFETY PROGRAM	84,025	98,000	97,225	14-	1
6905 TRAINING-MATERIALS	500	500	500	0	0
6910 TRAINING EXPENSES	59,329	55,592	96,189	38-	42-
6920 TRAINING-TRAVEL	250	835	250	0	234
6930 PERSONNEL	10,000	15,000	13,000	23-	15
6940 LICENSE REIMBURSEMENT	1,550	1,587	1,900	18-	16-
6950 TUITION REIMBURSEMENT	4,000	4,000	10,500	62-	62-
7000 OTHER SPEC SERV	66,100	67,000	94,000	30-	29-
7010 BOARD MEMBERS COMP	17,500	17,500	20,000	13-	13-
7020 PUBLIC INFORMATION	31,425	31,200	35,545	12-	12-
7030 PUBLIC INFO-RECYCLING	63,375	63,375	62,875	1	1
7040 PUBLIC INFO-HHW	25,275	13,000	25,700	2-	49-
7200 EASEMENTS	25,000	25,000	25,000	0	0
7210 RENT-EQUIPMENT	44,000	53,100	87,500	50-	39-
7220 MOTOR VEHICLE LICENSING	1,000	1,000	1,000	0	0
7300 MEETING EXPENSES	6,500	6,500	6,500	0	0
7400 TRAVEL	2,500	1,450	1,700	47	15-
7640 LEASE-LAND-DULUTH AIRPO	10,612	11,050	11,712	9-	6-
7800 LAUNDRY	28,871	42,232	44,163	35-	4-
7810 ENGINEERING SERVICE	124,014	98,249	124,433	0	21-
7820 LAB SERVICES	95,000	1,400	95,000	0	99-
8000 DUES	40,736	137,529	47,044	13-	192
8010 PUBLICATIONS	5,750	6,770	5,750	0	18
8020 PERMITS	62,800	990	62,800	0	98-
8200 POSTAGE	16,650	22,650	20,750	20-	9
8210 COPYING & PRINTING	49,700	46,724	48,200	3	3-
8250 DISCOUNTS	0	62,000	0	0	0
8500 BANK SERVICE CHARGES	350	350	350	0	0
8600 GRANTS TO GOV UNITS	228,100	216,800	234,000	3-	7-
8620 PROGRAM DEVELOPMENT	43,900	15,625	35,050	25	55-
TOTAL NON-PAYROLL	16,100,399	17,100,584	19,649,235	18-%	13-%
9022 INTEREST EXP-WWT-DS	579,123	579,123	633,777	9-%	9-%
9200 DEPREC-FURNITURE	15,730	15,730	13,868	13	13
9210 DEPREC-EQUIPMENT	115,437	115,437	136,114	15-	15-
9220 DEPREC-COMPUTER	139,074	139,074	123,471	13	13
9230 DEPREC-BUILDING	118,541	118,541	118,538	0	0
9240 DEPREC-IMPROVEMENTS	9,035,844	9,035,844	9,353,908	3-	3-
9260 DEPREC-MOTOR VEHICLE	125,615	125,615	66,600	89	89
TOTAL NON-OPERATING EXP	10,129,364	10,129,364	10,446,276	3-%	3-%
TOTAL EXPENSES	38,298,060	39,601,771	43,204,814	11-%	8-%

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## Wastewater Charges

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## WORKSHEET TO DETERMINE BUSINESS/TECHNICAL ALLOCATIONS

## BUDGET 2023

	WASTEWATER		SOLID WASTE							
	WWT RATES	* DISTRICT WIDE ALLOCATION	SOLID WASTE PLANNING AND MANAGEMENT	TRANSFER STATION	MRC	ORGANICS COMPOSTING	HOUSEHOLD HAZARDOUS WASTE	ENVIRON- MENTAL PROGRAMS	ALL SOLID WASTE PROGRAM COSTS	TOTAL DIRECT COSTS
OPERATING DEPARTMENTS										
CLEAN WATER PROD (4000)	\$5,092									\$5,092
CONVEYANCE (4200)	\$2,319									\$2,319
BIOSOLIDS (4300)	\$1,018									\$1,018
ENVIRONMENTAL PROG (4700)	\$308									\$308
WASTEWATER GRANTS (4800)										\$0
SW TRANSFER STATION (5000)				\$6,511					\$6,511	\$6,511
MRC (5100)					\$1,483				\$1,483	\$1,483
ORGANICS COMPOSTING (5500)						\$391			\$391	\$391
HHW (5600)							\$1,022		\$1,022	\$1,022
ENVIRONMENTAL PROG (5700)								\$926	\$926	\$926
SOLID WASTE GRANTS (5800)								\$0	\$0	\$0
TOTAL	\$8,736		\$0	\$6,511	\$1,483	\$391	\$1,022	\$926	\$10,334	\$19,070
% OF TOTAL	45.8%		0.0%	34.1%	7.8%	2.1%	5.4%	4.9%	54.2%	100.0%
BUSINESS/TECH DEPARTMENTS										
BUSINESS SERVICES (6000)	\$1,928	\$96	\$334	\$223	\$223	\$111	\$167	\$56	\$1,113	\$3,137
MECHANICAL MAINTENANCE (6600)	\$2,153			\$94	\$26	\$9	\$43		\$171	\$2,324
FACILITIES & UTILITIES MAINTENANCE (6700)	\$3,155								\$0	\$3,155
ELECTRICAL MAINTENANCE (6800)	\$1,592			\$14	\$4	\$1	\$6		\$26	\$1,618
PLANNING & ENGINEERING (7000)	\$761	\$170	\$131	\$82	\$16	\$16	\$49	\$33	\$327	\$1,258
MGMT INFO SERVICES (7400)	\$796		\$65	\$39	\$13	\$13	\$65	\$65	\$258	\$1,054
LAB (7700)	\$901	\$89	\$92		\$23	\$15		\$23	\$153	\$1,142
TOTAL	\$11,286	\$355	\$621	\$451	\$304	\$166	\$330	\$176	\$2,048	\$13,689
	82.4%	2.6%								
SUM OF ALLOCATED %	85.0%		4.5%	3.3%	2.2%	1.2%	2.4%	1.3%	15.0%	100.0%
	\$20,022	\$355								
TOTAL EXPENSES	\$20,377		\$621	\$6,962	\$1,787	\$557	\$1,352	\$1,102	\$12,381	\$32,759
	62.2%		1.9%	21.3%	5.5%	1.7%	4.1%	3.4%	37.8%	
* DISTRICT WIDE ALLOCATION IS A FUNDING SOURCE PAID ENTIRELY BY THE WASTEWATER USERS FOR SERVICES TO UNSEWERED PORTIONS OF THE DISTRICT. THIS COST IS ALLOCATED AMONG 6000, 7000, AND 7700 DEPARTMENTS.										

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**2023 Budget  
Wastewater Unit Costs**

	BUDGET 2022	BUDGET 2023	% CHANGE
<u>VOLUME</u>			
FLOW (MGD)	33.53	33.97	1.31%
BOD (LBS/DAY)	61,964	66,865	7.91%
SUSPENDED SOLIDS (LBS/DAY)	39,774	42,676	7.30%
<u>O &amp; M UNIT COSTS</u>			
FLOW (COST/1000 GAL)	\$0.6415	\$0.6831	6.49%
PEAK FLOW	\$0.0315	\$0.0345	9.42%
BOD (COST/LB)	\$0.2055	\$0.2086	1.47%
SUSPENDED SOLIDS (COST/LB)	\$0.3189	\$0.3213	0.78%
<u>O &amp; M + DEBT SERVICE UNIT COSTS</u>			
FLOW (COST/1000 GAL)	\$0.8614	\$0.9021	4.73%
PEAK FLOW	\$0.0851	\$0.0881	3.45%
BOD (COST/LB)	\$0.2580	\$0.2611	1.23%
SUSPENDED SOLIDS (COST/LB)	\$0.3781	\$0.3801	0.51%
DOMESTIC EQUIV (COST/1000GAL)	\$2.0075	\$2.0597	2.60%

**2023 Budget**  
**Wastewater Treatment Charges**

	BUDGET 2022	BUDGET 2023	INCREASE (DECREASE)	% CHANGE
DULUTH	\$9,368,535	\$9,622,828	\$254,293	2.71%
CLOQUET	\$1,053,638	\$1,081,998	\$28,360	2.69%
PROCTOR	\$341,820	\$351,828	\$10,008	2.93%
HERMANTOWN	\$578,737	\$598,050	\$19,313	3.34%
ESKO	\$162,337	\$167,899	\$5,562	3.43%
SCANLON	\$136,329	\$141,775	\$5,446	3.99%
CARLTON	\$117,347	\$120,945	\$3,598	3.07%
RICE LAKE	\$54,023	\$55,553	\$1,530	2.83%
TWIN LAKE	\$96,707	\$79,156	-\$17,551	-18.15%
PIKE LAKE	\$82,205	\$84,466	\$2,261	2.75%
KNIFE RIVER	\$19,976	\$20,510	\$534	2.67%
OLIVER	\$18,215	\$18,744	\$529	2.90%
THOMSON	\$9,874	\$10,128	\$255	2.58%
WRENSHALL	\$24,209	\$24,994	\$786	3.25%
JAY COOKE	\$2,515	\$2,485	-\$29	-1.17%
MIDWAY	\$4,902	\$4,697	-\$205	-4.18%
MPCA LANDFILL	\$9,049	\$8,624	-\$425	-4.69%
DULUTH/NORTH SHORE	\$48,068	\$49,176	\$1,108	2.31%
SUBTOTAL	\$12,128,486	\$12,443,858	\$315,372	2.60%
SAPPI	\$12,431,269	\$13,006,829	\$575,559	4.63%
GEORGIA PACIFIC DEBT SERV ONLY	\$19,881	\$15,433	-\$4,448	-22.37%
USG	\$542,890	\$609,250	\$66,360	12.22%
ST PAPER 1	\$1,188,398	\$1,742,774	\$554,376	46.65%
SPECIALTY MINERALS	\$155,224	\$149,138	-\$6,086	-3.92%
SUBTOTAL	\$14,337,663	\$15,523,425	\$1,185,762	8.27%
TOTAL DISTRICT	\$26,466,149	\$27,967,283	\$1,501,133	5.67%



**2023 Budget  
Wastewater Treatment Charges**

	BUDGET 2022	BUDGET 2023	INCREASE (DECREASE)	% CHANGE
DULUTH	\$9,368,535	\$9,622,828	\$254,293	2.71%
CLOQUET	\$1,053,638	\$1,081,998	\$28,360	2.69%
PROCTOR	\$341,820	\$351,828	\$10,008	2.93%
HERMANTOWN	\$578,737	\$598,050	\$19,313	3.34%
ESKO	\$162,337	\$167,899	\$5,562	3.43%
SCANLON	\$136,329	\$141,775	\$5,446	3.99%
CARLTON	\$117,347	\$120,945	\$3,598	3.07%
RICE LAKE	\$54,023	\$55,553	\$1,530	2.83%
TWIN LAKE	\$96,707	\$79,156	-\$17,551	-18.15%
PIKE LAKE	\$82,205	\$84,466	\$2,261	2.75%
KNIFE RIVER	\$19,976	\$20,510	\$534	2.67%
OLIVER	\$18,215	\$18,744	\$529	2.90%
THOMSON	\$9,874	\$10,128	\$255	2.58%
WRENSHALL	\$24,209	\$24,994	\$786	3.25%
JAY COOKE	\$2,515	\$2,485	-\$29	-1.17%
MIDWAY	\$4,902	\$4,697	-\$205	-4.18%
MPCA LANDFILL	\$9,049	\$8,624	-\$425	-4.69%
DULUTH/NS	\$48,068	\$49,176	\$1,108	2.31%
SUBTOTAL	\$12,128,486	\$12,443,858	\$315,372	2.60%
	<b><u>Billed Estimate</u></b>			
SAPPI	\$14,536,627	\$13,006,829	-\$1,529,798	-10.52%
GEORGIA PACIFIC DEBT SERV ONLY	\$19,881	\$15,433	-\$4,448	-22.37%
USG	\$889,661	\$609,250	-\$280,411	-31.52%
ST PAPER 1	\$1,158,979	\$1,742,774	\$583,795	50.37%
SPECIALTY MINERALS	\$140,428	\$149,138	\$8,710	6.20%
SUBTOTAL	\$16,745,576	\$15,523,425	-\$1,222,152	-7.30%
TOTAL DISTRICT	\$28,874,063	\$27,967,283	-\$906,780	-3.14%

**2023 Budget  
O&M Cost Comparison**

	BUDGET 2022	BUDGET 2023	INCREASE (DECREASE)	% CHANGE
DULUTH	\$6,234,031	\$6,494,175	\$260,144	4.17%
CLOQUET	\$741,683	\$768,056	\$26,372	3.56%
PROCTOR	\$232,675	\$242,313	\$9,638	4.14%
HERMANTOWN	\$402,733	\$418,292	\$15,559	3.86%
ESKO	\$112,641	\$117,203	\$4,561	4.05%
SCANLON	\$103,087	\$107,123	\$4,036	3.91%
CARLTON	\$75,441	\$78,725	\$3,284	4.35%
RICE LAKE	\$36,656	\$38,094	\$1,438	3.92%
TWIN LAKE	\$72,526	\$54,657	-\$17,869	-24.64%
PIKE LAKE	\$59,368	\$61,602	\$2,234	3.76%
KNIFE RIVER	\$13,464	\$13,993	\$530	3.93%
OLIVER	\$13,072	\$13,565	\$493	3.77%
THOMSON	\$6,109	\$6,349	\$240	3.92%
WRENSHALL	\$16,357	\$16,991	\$634	3.88%
JAY COOKE	\$1,199	\$1,245	\$46	3.82%
MIDWAY	\$1,899	\$1,962	\$63	3.33%
MPCA LANDFILL	\$1,544	\$1,622	\$78	5.07%
DULUTH/NORTH SHORE	\$30,662	\$31,871	\$1,209	3.94%
SUBTOTAL	\$8,155,148	\$8,467,839	\$312,690	3.83%
SAPPI	\$9,058,491	\$9,613,801	\$555,310	6.13%
USG	\$350,801	\$419,692	\$68,891	19.64%
ST PAPER 1	\$207,158	\$776,738	\$569,579	
SPECIALTY MINERALS	\$94,551	\$89,214	-\$5,337	-5.64%
SUBTOTAL	\$9,711,001	\$10,899,444	\$1,188,443	12.24%
TOTAL DISTRICT	\$17,866,149	\$19,367,283	\$1,501,133	8.40%

**2023 Budget  
Debt Service Costs**

	BUDGET 2022	BUDGET 2023	INCREASE (DECREASE)	% CHANGE
DULUTH	\$3,134,505	\$3,128,654	(\$5,851)	-0.19%
CLOQUET	\$311,955	\$313,942	\$1,987	0.64%
PROCTOR	\$109,146	\$109,515	\$370	0.34%
HERMANTOWN	\$176,004	\$179,758	\$3,754	2.13%
ESKO	\$49,695	\$50,696	\$1,001	2.01%
SCANLON	\$33,242	\$34,652	\$1,410	4.24%
CARLTON	\$41,905	\$42,220	\$315	0.75%
RICE LAKE	\$17,367	\$17,459	\$92	0.53%
TWIN LAKE	\$24,181	\$24,499	\$318	1.32%
PIKE LAKE	\$22,837	\$22,864	\$27	0.12%
KNIFE RIVER	\$6,513	\$6,517	\$4	0.06%
OLIVER	\$5,142	\$5,179	\$36	0.71%
THOMSON	\$3,765	\$3,779	\$15	0.39%
WRENSHALL	\$7,852	\$8,003	\$152	1.93%
JAY COOKE	\$1,316	\$1,241	(\$75)	-5.71%
MIDWAY	\$3,003	\$2,735	(\$268)	-8.93%
MPCA LANDFILL	\$7,505	\$7,001	(\$503)	-6.70%
DULUTH/NORTH SHORE SUBTOTAL	\$17,406 \$3,973,338	\$17,305 \$3,976,020	(\$101) \$2,681	-0.58% 0.07%
SAPPI	\$3,372,779	\$3,393,027	\$20,249	0.60%
GEORGIA PACIFIC DEBT SERV ONLY	\$19,881	\$15,433	(\$4,448)	-22.37%
USG	\$192,089	\$189,559	(\$2,531)	-1.32%
ST PAPER 1	\$981,240	\$966,037	(\$15,203)	-1.55%
SPECIALTY MINERALS SUBTOTAL	\$60,673 \$4,626,662	\$59,924 \$4,623,980	(\$749) (\$2,681)	-1.23% -0.06%
TOTAL DISTRICT	\$8,600,000	\$8,600,000	\$0	0.00%

**WLSSD 2023 BUDGETED FLOWS AND LOADINGS  
FLOW (MGD)**

	<b>BUDGET 2022</b>	<b>ESTIMATE 2022</b>	<b>BUDGET 2023</b>
DULUTH	12.700	12.341	12.700
CLOQUET	1.150	0.944	1.150
HERMANTOWN	0.650	0.659	0.650
PROCTOR	0.450	0.386	0.450
ESKO (Includes Helb/Lars)	0.2062	0.176	0.2062
SCANLON	0.169	0.154	0.169
CARLTON	0.150	0.151	0.150
THOMSON (City only)	0.010	0.007	0.010
TWIN LAKES	0.070	0.035	0.050
RICE LAKE	0.060	0.053	0.060
OLIVER	0.022	0.018	0.022
PIKE LAKE	0.100	0.094	0.100
KNIFE RIVER	0.022	0.021	0.022
MPCA LANDFILL	0.002	0.004	0.002
WRENSHALL	0.027	0.030	0.027
JAY COOKE	0.002	0.002	0.002
BUFFALO/MIDWAY	0.0030	0.005	0.0030
DULUTH/NORTH SHORE	0.050	0.050	0.050
<b>MUNICIPAL SUBTOTAL</b>	<b>15.843</b>	<b>15.131</b>	<b>15.823</b>
SAPPI	16.500	17.345	16.500
USG	0.450	0.521	0.450
ST PAPER 1	0.500	0.529	1.000
SPECIALTY MINERALS	0.240	0.198	0.200
<b>INDUSTRIAL SUBTOTAL</b>	<b>17.690</b>	<b>18.594</b>	<b>18.150</b>
<b>TOTAL FLOW</b>	<b>33.533</b>	<b>33.725</b>	<b>33.973</b>

**WLSSD 2023 BUDGETED FLOWS AND LOADINGS  
BOD (LBS/DAY)**

	<b>BUDGET 2022</b>	<b>ESTIMATE 2022</b>	<b>BUDGET 2023</b>
DULUTH	13,100	13,751	13,100
CLOQUET	1,717	1,409	1,717
HERMANTOWN	1,150	1,067	1,150
PROCTOR	530	469	530
ESKO	263	263	263
(Includes Helb/Lars)			
SCANLON	282	258	282
CARLTON	160	160	160
THOMSON (City only)	17	12	17
TWIN LAKES	292	146	209
RICE LAKE	100	89	100
OLIVER	37	29	37
PIKE LAKE	167	157	167
KNIFE RIVER	37	36	37
MPCA LANDFILL	3	6	3
WRENSHALL	45	50	45
JAY COOKE	3	4	3
BUFFALO/MIDWAY	8	10	8
DULUTH/NORTH SHORE	83	84	83
MUNICIPAL SUBTOTAL	<b>17,993</b>	<b>18,000</b>	<b>17,910</b>
SAPPI	42,500	50,152	42,500
USG	1,450	2,258	1,450
ST PAPER 1	15	376	5,000
SPECIALTY MINERALS	6	5	5
INDUSTRIAL SUBTOTAL	<b>43,971</b>	<b>52,791</b>	<b>48,955</b>
<b>TOTAL BOD</b>	<b>61,964</b>	<b>70,791</b>	<b>66,865</b>

**WLSSD 2023 BUDGETED FLOWS AND LOADINGS  
SUSPENDED SOLIDS (LBS/DAY)**

	<b>BUDGET 2022</b>	<b>ESTIMATE 2022</b>	<b>BUDGET 2023</b>
DULUTH	16,100	18,003	16,100
CLOQUET	2,522	2,070	2,522
HERMANTOWN	1,100	1,050	1,100
PROCTOR	600	564	600
ESKO	305	305	305
(Includes Helb/Lars)			
SCANLON	282	258	282
CARLTON	183	183	183
THOMSON (City only)	17	12	17
TWIN LAKES	262	131	187
RICE LAKE	100	89	100
OLIVER	37	29	37
PIKE LAKE	167	157	167
KNIFE RIVER	37	36	37
MPCA LANDFILL	3	6	3
WRENSHALL	45	50	45
JAY COOKE	3	4	3
BUFFALO/MIDWAY	5	8	5
DULUTH/NORTH SHORE	83	84	83
MUNICIPAL SUBTOTAL	<b>21,851</b>	<b>23,039</b>	<b>21,776</b>
SAPPI	16,500	23,457	18,500
USG	1,100	4,594	1,600
ST PAPER 1	23	389	500
SPECIALTY MINERALS	300	738	300
INDUSTRIAL SUBTOTAL	<b>17,923</b>	<b>29,178</b>	<b>20,900</b>
<b>TOTAL DISTRICT</b>	<b>39,774</b>	<b>52,217</b>	<b>42,676</b>

## Wastewater Cost of Service Model

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	BUDGET 2022 O&M	BUDGET 2022 DEBT SERV	BUDGET 2022 TOTAL	BUDGET 2023 O&M	BUDGET 2023 DEBT SERV	BUDGET 2023 TOTAL	% INCREASE
DULUTH	\$ 6,234,031	\$ 3,134,505	\$ 9,368,535	\$ 6,494,173	\$ 3,128,654	\$ 9,622,827	2.71%
CLOQUET	\$ 741,683	\$ 311,955	\$ 1,053,638	\$ 768,056	\$ 313,942	\$ 1,081,998	2.69%
PROCTOR	\$ 232,675	\$ 109,146	\$ 341,820	\$ 242,313	\$ 109,515	\$ 351,828	2.93%
HERMANTOWN	\$ 402,733	\$ 176,004	\$ 578,737	\$ 418,292	\$ 179,758	\$ 598,050	3.34%
ESKO	\$ 112,641	\$ 49,695	\$ 162,337	\$ 117,203	\$ 50,696	\$ 167,899	3.43%
SCANLON	\$ 103,087	\$ 33,242	\$ 136,329	\$ 107,123	\$ 34,652	\$ 141,775	3.99%
CARLTON	\$ 75,441	\$ 41,905	\$ 117,347	\$ 78,725	\$ 42,220	\$ 120,945	3.07%
RICE LAKE	\$ 36,656	\$ 17,367	\$ 54,023	\$ 38,094	\$ 17,459	\$ 55,553	2.83%
TWIN LAKE	\$ 72,526	\$ 24,181	\$ 96,707	\$ 54,657	\$ 24,499	\$ 79,156	-18.15%
PIKE LAKE	\$ 59,368	\$ 22,837	\$ 82,205	\$ 61,602	\$ 22,864	\$ 84,466	2.75%
KNIFE RIVER	\$ 13,464	\$ 6,513	\$ 19,976	\$ 13,993	\$ 6,517	\$ 20,510	2.67%
OLIVER	\$ 13,072	\$ 5,142	\$ 18,215	\$ 13,565	\$ 5,179	\$ 18,744	2.90%
THOMSON	\$ 6,109	\$ 3,765	\$ 9,874	\$ 6,349	\$ 3,779	\$ 10,128	2.57%
WRENSHALL	\$ 16,357	\$ 7,852	\$ 24,209	\$ 16,991	\$ 8,003	\$ 24,994	3.24%
JAY COOKE	\$ 1,199	\$ 1,316	\$ 2,515	\$ 1,245	\$ 1,241	\$ 2,485	-1.17%
MIDWAY	\$ 1,899	\$ 3,003	\$ 4,902	\$ 1,962	\$ 2,735	\$ 4,697	-4.18%
MPCA LANDFILL	\$ 1,544	\$ 7,505	\$ 9,049	\$ 1,622	\$ 7,001	\$ 8,624	-4.70%
DULUTH/NORTH SHORE	\$ 30,662	\$ 17,406	\$ 48,068	\$ 31,871	\$ 17,305	\$ 49,176	2.31%
SUBTOTAL	\$ 8,155,148	\$ 3,973,338	\$ 12,128,486	\$ 8,467,837	\$ 3,976,020	\$ 12,443,856	2.60%
SAPPI	\$ 9,058,491	\$ 3,372,779	\$ 12,431,269	\$ 9,613,799	\$ 3,393,027	\$ 13,006,827	4.63%
GEORGIA PACIFIC	\$ -	\$ 19,881	\$ 19,881	\$ -	\$ 15,433	\$ 15,433	-22.37%
USG	\$ 350,801	\$ 192,089	\$ 542,890	\$ 419,692	\$ 189,559	\$ 609,250	12.22%
ST PAPER 1	\$ 207,158	\$ 981,240	\$ 1,188,398	\$ 776,737	\$ 966,037	\$ 1,742,774	46.65%
SPECIALTY MINERALS	\$ 94,551	\$ 60,673	\$ 155,224	\$ 89,214	\$ 59,924	\$ 149,138	-3.92%
SUBTOTAL	\$ 9,711,001	\$ 4,626,662	\$ 14,337,663	\$ 10,899,442	\$ 4,623,980	\$ 15,523,422	8.27%
TOTAL	\$ 17,866,149	\$ 8,600,000	\$ 26,466,149	\$ 19,367,279	\$ 8,600,000	\$ 27,967,278	5.67%

Table 5  
 USER'S WASTEWATER FLOW AND STRENGTH CHARACTERISTICS  
 Flow and Strength Characteristics  
 Western Lake Superior Sanitary District  
 2023 Budget

		Flow		Peak Flow		BOD		TSS	
Line No.	Class of Service	Budgeted (Mgd)	Permitted (Mgd)	Billable (Mgd)	Permitted (Mgd)	Budgeted (Lbs./Day)	Permitted (Lbs./Day)	Budgeted (Lbs./Day)	Permitted (Lbs./Day)
Municipalities:									
1	Duluth	12.700	17.325	47.800	47.800	13,100	15,500	16,100	23,000
2	Cloquet	1.150	1.470	5.500	5.500	1,717	2,010	2,522	3,450
3	Proctor	0.450	0.604	1.990	1.990	530	592	600	700
4	Hermantown	0.650	0.760	3.800	3.800	1,150	1,600	1,100	1,600
5	Esko	0.206	0.240	1.000	1.000	263	370	305	490
6	Scanlon	0.169	0.180	1.000	1.000	282	300	282	300
7	Carlton	0.150	0.270	0.760	0.760	160	200	183	224
8	Rice Lake	0.060	0.080	0.360	0.360	100	125	100	125
9	Twin Lake	0.050	0.090	0.400	0.400	209	315	187	280
10	Pike Lake	0.100	0.110	0.450	0.450	167	185	167	185
11	Knife River	0.022	0.027	0.134	0.134	37	46	37	46
12	Oliver	0.022	0.024	0.100	0.100	37	41	37	41
13	Thomson	0.010	0.015	0.060	0.060	17	40	17	36
14	Wrenshall	0.027	0.042	0.150	0.150	45	69	45	69
15	Jay Cooke	0.002	0.005	0.010	0.010	3	8	3	8
16	Midway	0.003	0.004	0.007	0.007	8	8	5	8
17	MPCA Landfill	0.002	0.010	0.040	0.040	3	10	3	10
18	Unused	0.000	0.000	0.000	0.000	0	0	0	0
19	North Shore	0.050	0.075	0.310	0.310	83	125	83	125
20	Totals-Municipalities	15.823	21.331	63.871	63.871	17,910	21,544	21,776	30,697
Industrials:									
21	Unused	0.000	0.000	0.000	0.000	0	0	0	0
22	SAPPI	16.500	18.250	24.000	24.000	42,500	56,000	18,500	25,000
23	ST Paper 1	1.000	2.250	8.000	8.000	5,000	13,500	500	1,200
24	USG	0.450	0.580	1.200	1.200	1,450	2,000	1,600	2,800
25	Specialty	0.200	0.240	0.500	0.500	5	8	300	1,400
26	Totals-Industrials	18.150	21.320	33.700	33.700	48,955	71,508	20,900	30,400
27	Totals-All Users	33.973	42.651	97.571	97.571	66,865	93,052	42,676	61,097

BOD<sub>5</sub> and TSS strengths are computed using the District's standard domestic equivalent strengths. Formula: Flow x Strength(Mg/l) x 8.34.  
 Standard domestic equivalent strengths for the District are: BOD-200 mg/l, SS-200 Mg/l.

2023 Budget

Line No.	Description	Annual Loadings	Unit Costs		Percentage Allocation	Cost (\$)	Annual Loadings	Unit Costs
1	Budgeted Flow	12,400,218 (1000 Gals)	0.6831 /1000 gal	Permitted Flow	39.88%	\$1,008,937	15,567,615 (1000 Gals)	0.0648 /1000 gal
2	Billable Peak Flow	23,213,343 (1000 Gals)	0.0345 /1000 gal	Permitted Peak Flo	22.14%	\$560,216	35,613,561 (1000 Gals)	0.0157 /1000 gal
3	Budgeted BOD	24,405,633 (Lbs./Year)	0.2086 / lb.	Permitted BOD	22.61%	\$571,902	33,963,980 (Lbs./Year)	0.0168 / lb.
4	Budgeted TSS	15,576,815 (Lbs./Year)	0.3213 / lb.	Permitted TSS	15.37%	\$388,882	22,300,405 (Lbs./Year)	0.0174 / lb.
5	Totals				100.00%	<u>\$2,529,937</u>		

		Cost (\$)	Annual Loadings	Unit Costs
6	Permitted Flow	\$152,417	14,203,318 (1000 Gals)	0.0107
7	Permitted Peak Flow	\$82,194	35,514,982 (1000 Gals)	0.0023
8	Permitted BOD	\$89,609	29,010,200	0.0031
9	Permitted TSS	\$59,741	21,842,695 (Lbs./Year)	0.0027
10	Totals	<u>\$383,961</u>		

		2015-16 BOD Service			2015-16 TSS Service				
		Cost (\$)	Annual Loadings	Unit Costs	Percentage Allocation	Cost (\$)	Annual Loadings	Unit Costs	
6	Permitted Flow	\$522,913	15,612,875 (1000 Gals)	0.0335 /1000 gal	39.70%	\$1,062,851	16,028,318 (1000 Gals)	0.0663 /1000 gal	
7	Permitted Peak Flow	\$281,989	33,019,360 (1000 Gals)	0.0085 /1000 gal	21.41%	\$573,161	35,514,983 (1000 Gals)	0.0161 /1000 gal	
8	Permitted BOD	\$307,431	41,435,895	0.0074 / lb.	23.34%	\$624,871	39,488,620	0.0158 / lb.	
9	Permitted TSS	\$204,957	24,421,055 (Lbs./Year)	0.0084 / lb.	15.56%	\$416,588	22,819,070 (Lbs./Year)	0.0183 / lb.	
10	Totals	<u>\$1,317,290</u>				<u>\$2,677,471</u>			

		2000-10 BOD Services			2017-12 BOD Services				
		Cost (\$)	Annual Loadings	Unit Costs	Percentage Allocation	Cost (\$)	Annual Loadings	Unit Costs	
6	Permitted Flow	\$267,642	14,738,426 (1000 Gals)	0.0182 /1000 gal	39.70%	\$397,628	15,612,875 (1000 Gals)	0.0255 /1000 gal	
7	Permitted Peak Flow	\$144,330	33,056,926 (1000 Gals)	0.0044 /1000 gal	21.41%	\$214,428	33,019,360 (1000 Gals)	0.0065 /1000 gal	
8	Permitted BOD	\$157,352	42,046,540	0.0037 / lb.	23.34%	\$233,773	41,435,895	0.0056 / lb.	
9	Permitted TSS	\$104,903	18,944,595 (Lbs./Year)	0.0055 / lb.	15.56%	\$155,852	24,421,055 (Lbs./Year)	0.0064 / lb.	
10	Totals	<u>\$674,227</u>				<u>\$1,001,681</u>			

	2006-10		2011-12		2013-15		2016-20		2021		2022-26				Dom Equiv	lbs / kGal	Domestic	
	Debt Svc		Debt Svc		Debt Svc		Debt Svc		Debt Svc		Debt Svc		Total		mg/L		Equivalent	
Flow	\$	0.0182	\$	0.0255	\$	0.0335	\$	0.0663	\$	0.0107	\$	0.0648	\$	0.9021		1	\$	0.9021
Peak Flow		0.0044		0.0065		0.0085		0.0161		0.0023		0.0157	\$	0.0881		1		0.0881
BOD		0.0037		0.0056		0.0074		0.0158		0.0031		0.0168	\$	0.2611	200	1.668		0.4355
TSS		0.0055		0.0064		0.0084		0.0183		0.0027		0.0174	\$	0.3801	200	1.668		<u>0.6340</u>
																	<b>\$</b>	<b>2.0597</b>

TABLE 1  
CLASSIFICATION OF RATE BASE TO COST COMPONENTS  
Western Lake Superior Sanitary District  
2023 Budget

Line No.	Description	Factor Code	Permitted Flow	Permitted Peak Flow	Permitted BOD	Permitted TSS	Replacement Cost	Permitted Flow	Permitted Peak Flow	Permitted BOD	Permitted TSS
			%	%	%	%					
<b>Clean Water Production</b>											
1	WWTP - Plant Pumping	F	60.00	20.00	11.00	9.00	4,000,000	2,400,000	800,000	440,000	360,000
2	Courtland - Influent WW Pumping		60.00	20.00	11.00	9.00	2,000,000	1,200,000	400,000	220,000	180,000
3	Bar Screen/Grit Removal	EA	60.00	20.00	11.00	9.00	8,000,000	4,800,000	1,600,000	880,000	720,000
4	Oxygen Generation Facil	EA	5.00	3.00	69.00	23.00	23,000,000	1,150,000	690,000	15,870,000	5,290,000
5	Oxygenation Tank/Galler	EA	15.00	10.00	65.00	10.00	37,000,000	5,550,000	3,700,000	24,050,000	3,700,000
6	Secondary Settling Tanks	EA	23.00	12.00	29.00	36.00	16,000,000	3,680,000	1,920,000	4,640,000	5,760,000
7	Return Sludge Pumping	EA	23.00	12.00	29.00	36.00	7,000,000	1,610,000	840,000	2,030,000	2,520,000
9	Flocculation/Settling Tank	EA	10.00	70.00	5.00	15.00	15,000,000	1,500,000	10,500,000	750,000	2,250,000
10	Final Effluent Filters	EA	54.00	26.00	11.00	9.00	11,000,000	5,940,000	2,860,000	1,210,000	990,000
11	Chlorination	EA	54.00	26.00	11.00	9.00	6,000,000	3,240,000	1,560,000	660,000	540,000
12	Effluent Control Building	EA	54.00	26.00	11.00	9.00	8,000,000	4,320,000	2,080,000	880,000	720,000
13	Sludge Thickening	EA	0.00	0.00	40.00	60.00	6,000,000	-	-	2,400,000	3,600,000
14	Sludge Dewatering	EA	0.00	0.00	40.00	60.00	13,000,000	-	-	5,200,000	7,800,000
15	Sludge Digestion	EA	0.00	0.00	40.00	60.00	32,000,000	-	-	12,800,000	19,200,000
16	Biosolids Storage and Ap	EA	0.00	0.00	40.00	60.00	8,000,000	-	-	3,200,000	4,800,000
17	Odor Control		0.00	0.00	70.00	30.00	2,000,000	-	-	1,400,000	600,000
18	Outfall		57.00	43.00	0.00	0.00	6,000,000	3,420,000	2,580,000	-	-
19	Power Distribution/Standby		19.02	14.48	37.56	28.94	15,000,000	2,853,676	2,171,324	5,634,559	4,340,441
20	Instrumentation / Controls		19.02	14.48	37.56	28.94	10,000,000	1,902,451	1,447,549	3,756,373	2,893,627
21	Sub-Totals						\$229,000,000	\$43,566,127	\$33,148,873	\$86,020,931	\$66,264,069
22	Percent-Treatment Plant	WTP					100.00%	19.02%	14.48%	37.56%	28.94%
<b>Other Treatment Plant Facilities-</b>											
23	Outside Piping/Miscellan	s WTP	19.02%	14.48%	37.56%	28.94%	13,000,000	2,473,186	1,881,814	4,883,284	3,761,716
24	Administration Building	WTP	19.02%	14.48%	37.56%	28.94%	10,000,000	1,902,451	1,447,549	3,756,373	2,893,627
25	Foundation/Site Construc	n WTP	19.02%	14.48%	37.56%	28.94%	23,000,000	4,375,637	3,329,363	8,639,657	6,655,343
26	Land-WWTP	WTP	19.02%	14.48%	37.56%	28.94%	<u>1,000,000</u>	<u>190,245</u>	<u>144,755</u>	<u>375,637</u>	<u>289,363</u>
27	Totals-Clean Water Production						\$276,000,000	\$52,507,647	\$39,952,353	\$103,675,882	\$79,864,118
							19.02%	14.48%	37.56%	28.94%	

TABLE 1 (continued)  
CLASSIFICATION OF RATE BASE TO COST COMPONENTS  
Western Lake Superior Sanitary District  
2023 Budget

		Cost Classifications									
Line No.	Description	Factor Code	Permitted Flow (%)	Permitted Peak Flow (%)	Permitted BOD (%)	Permitted TSS (%)	Replacement Cost	Permitted Flow	Permitted Peak Flow	Permitted BOD	Permitted TSS
Conveyance System-											
28	Interceptors	F	62.00	28.00	8.00	2.00	\$116,800,000	\$72,416,000	\$32,704,000	\$9,344,000	\$2,336,000
29	Force Mains	F	62.00	28.00	8.00	2.00	\$82,900,000	\$51,398,000	\$23,212,000	\$6,632,000	\$1,658,000
30	Pump Stations		62.00	28.00	8.00	2.00	\$72,600,000	\$45,012,000	\$20,328,000	\$5,808,000	\$1,452,000
31	I&I Control Structures	F	0.00	100.00	0.00	0.00	\$6,700,000	\$0	\$6,700,000	\$0	\$0
32	Totals - Conveyance System						\$279,000,000	\$168,826,000	\$82,944,000	\$21,784,000	\$5,446,000
33	Totals - Wastewater Plant In Service						\$555,000,000	\$221,333,647	\$122,896,353	\$125,459,882	\$85,310,118
34	Percent - Factor	TP									
Other Rate Base Items-											
35	Unused						\$0	\$0	\$0	\$0	\$0
36	Totals - Rate Base						\$555,000,000	\$221,333,647	\$122,896,353	\$125,459,882	\$85,310,118
37	Percent - Rate Base						100.00%	39.88%	22.14%	22.61%	15.37%
							Old Model	25%	17%	36%	22%

Factor Code Abbreviations:

F     Flow (Where "Base" = Average Flow, "Excess" = Peak Flow)  
BOD Biochemical Oxygen Demand (The Measure of Organic Load)  
TSS Suspended Solids  
EA    Engineering Analysis  
WTP Wastewater Treatment Plant  
TP    Total Plant

TABLE 3  
CLASSIFICATION OF OPERATING EXPENSES TO COST COMPONENTS  
Western Lake Superior Sanitary District  
2023 Budget

		Cost Components				Cost Classifications					
Line No.	Description	Factor Code	Budgeted Flow	Billable Peak Flow	Budgeted BOD	Budgeted TSS	Operating Expenses	Budgeted Flow	Billable Peak Flow	Budgeted BOD	Budgeted TSS
			(%)	(%)	(%)	(%)					
Clean Water Production (4000)											
1	Salaries & Benefits	EA	31.00	4.00	33.00	32.00	\$2,357,492	\$730,823	\$94,300	\$777,972	\$754,398
2	Contract Cleaning	EA	27.00	4.00	37.00	32.00	\$30,336	\$8,191	\$1,213	\$11,224	\$9,708
3	Fuel-Fuel Oil	EA	30.88	4.75	34.75	29.62	\$2,000	\$618	\$95	\$695	\$592
4	Fuel-Natural Gas		36.25	6.00	29.25	28.50	\$240,867	\$87,314	\$14,452	\$70,454	\$68,647
5	Electricity	E-WTP	30.88	4.75	34.75	29.62	\$2,271,053	\$701,301	\$107,875	\$789,191	\$672,686
6	Water	EA	30.38	6.00	29.00	34.62	\$162,924	\$49,496	\$9,775	\$47,248	\$56,404
7	Storm Water Fee	EA	30.38	6.00	29.00	34.62	\$37,000	\$11,241	\$2,220	\$10,730	\$12,809
8	Grit Disposals	F	70.00	25.00	0.00	5.00	\$14,102	\$9,871	\$3,526	\$0	\$705
9	Cont.Serv.-Other	EA	35.00	10.00	27.50	27.50	\$137,900	\$48,265	\$13,790	\$37,923	\$37,923
10	Cont.Serv.-DP Maint	EA	35.00	10.00	27.50	27.50	\$14,900	\$5,215	\$1,490	\$4,098	\$4,098
11	Supplies-Building	EA	36.25	6.00	29.25	28.50	\$26,000	\$9,425	\$1,560	\$7,605	\$7,410
12	Supplies-Equipment	EA	36.25	6.00	29.25	28.50	\$75,000	\$27,188	\$4,500	\$21,938	\$21,375
13	Supplies-Filter Media	EA	75.00	5.00	10.00	10.00	\$0	\$0	\$0	\$0	\$0
14	Supplies-Other	EA	0.00	0.00	0.00	0.00	\$0	\$0	\$0	\$0	\$0
15	Chemicals-General	F	34.90	4.00	32.60	28.50	\$35,344	\$12,335	\$1,414	\$11,522	\$10,073
16	Chemicals-Defoamant	F	34.90	4.00	32.60	28.50	\$65,048	\$22,702	\$2,602	\$21,206	\$18,539
17	Chemicals-Ferric	F	15.00	2.50	60.00	22.50	\$284,561	\$42,684	\$7,114	\$170,737	\$64,026
18	Chemicals-Liquid Oxyger	EA	0.00	5.00	55.00	40.00	\$20,100	\$0	\$1,005	\$11,055	\$8,040
19	Chemicals-Bleach	F	50.00	5.00	30.00	15.00	\$1,220,728	\$610,364	\$61,036	\$366,218	\$183,109
20	Chemicals-Thickening Pc	BOD,SS	10.50	1.75	36.50	51.25	\$236,293	\$24,811	\$4,135	\$86,247	\$121,100
21	Chemicals-Dewatering Pc	BOD,SS	10.50	1.75	36.50	51.25	\$941,675	\$98,876	\$16,479	\$343,711	\$482,608
22	Chemicals-Boiler	EA	37.50	6.50	28.75	27.25	\$2,000	\$750	\$130	\$575	\$545
23	Chemicals-Sodium bisulfi	F	70.00	10.00	10.00	10.00	\$2,222	\$1,555	\$222	\$222	\$222
24	Laundry	EA	36.75	6.00	30.75	26.50	\$8,000	\$2,940	\$480	\$2,460	\$2,120
25	Engineering	EA	36.75	6.00	30.75	26.50	\$0	\$0	\$0	\$0	\$0
26	Dues	EA	36.75	6.00	30.75	26.50	\$18,000	\$6,615	\$1,080	\$5,535	\$4,770
27	Publication	EA	36.75	6.00	30.75	26.50	\$500	\$184	\$30	\$154	\$133
28	Training	EA	36.75	6.00	30.75	26.50	\$9,000	\$3,308	\$540	\$2,768	\$2,385
29	Telephone	EA	36.75	6.00	30.75	26.50	<u>\$2,434</u>	<u>\$894</u>	<u>\$146</u>	<u>\$748</u>	<u>\$645</u>
30	Subtotal Clean Water Production						\$8,215,479	\$2,516,965 30.64%	\$351,210 4.27%	\$2,802,235 34.11%	\$2,545,070 30.98%
31	Maintenance Allocation	EA	29.44	4.24	34.25	32.07	\$2,450,861	\$721,534	\$103,917	\$839,420	\$785,991
32	Engineering Allocation	EA	29.44	4.24	34.25	32.07	<u>\$279,377</u>	<u>\$82,249</u>	<u>\$11,846</u>	<u>\$95,687</u>	<u>\$89,596</u>
33	Total - Clean Water Production						\$10,945,717	\$3,320,747	\$466,972	\$3,737,342	\$3,420,657

TABLE 3 (Cont)  
CLASSIFICATION OF OPERATING EXPENSES TO COST COMPONENTS  
Western Lake Superior Sanitary District  
2023 Budget

		Cost Components					Cost Classifications				
Line No.	Description	Factor Code	Budgeted Flow	Billable Peak Flow	Budgeted BOD	Budgeted TSS	Operating Expenses	Budgeted Flow	Billable Peak Flow	Budgeted BOD	Budgeted TSS
			(%)	(%)	(%)	(%)					
Conveyance System (4200)											
34	Salaries & Benefits	F	95.00	5.00	0.00	0.00	\$558,339	\$530,422	\$27,917	\$0	\$0
35	Fuel-Natural Gas	F	95.00	5.00	0.00	0.00	\$5,689	\$5,404	\$284	\$0	\$0
36	Electricity	F	95.00	5.00	0.00	0.00	\$1,321,787	\$1,255,698	\$66,089	\$0	\$0
37	Telephone	F	95.00	5.00	0.00	0.00	\$4,800	\$4,560	\$240	\$0	\$0
38	Telemeter	F	95.00	5.00	0.00	0.00	\$115,000	\$109,250	\$5,750	\$0	\$0
39	Diesel	F	95.00	5.00	0.00	0.00	\$5,000	\$4,750	\$250	\$0	\$0
40	Water	F	95.00	5.00	0.00	0.00	\$15,000	\$14,250	\$750	\$0	\$0
41	Storm Water	F	95.00	5.00	0.00	0.00	\$600	\$570	\$30	\$0	\$0
42	Repairs-Interceptors	F	70.00	5.00	15.00	10.00	\$40,000	\$28,000	\$2,000	\$6,000	\$4,000
43	Clean Interceptors	F	75.00	5.00	10.00	10.00	\$165,000	\$123,750	\$8,250	\$16,500	\$16,500
44	Cont.Serv.-Biofilter	F	40.00	5.00	40.00	15.00	\$10,000	\$4,000	\$500	\$4,000	\$1,500
45	Cont.Serv.-Other	F	95.00	5.00	0.00	0.00	\$10,000	\$9,500	\$500	\$0	\$0
46	Cont.Serv.-DP Maint	F	95.00	5.00	0.00	0.00	\$5,485	\$5,211	\$274	\$0	\$0
47	Supplies-Building	F	95.00	5.00	0.00	0.00	\$1,000	\$950	\$50	\$0	\$0
48	Supplies-Equipment	F	95.00	5.00	0.00	0.00	\$25,000	\$23,750	\$1,250	\$0	\$0
49	Supplies-Other	F	95.00	5.00	0.00	0.00	\$0	\$0	\$0	\$0	\$0
50	Supplies-Site	F	95.00	5.00	0.00	0.00	\$0	\$0	\$0	\$0	\$0
51	Chemicals-Defoamant	F	95.00	5.00	0.00	0.00	\$1,000	\$950	\$50	\$0	\$0
52	Training Expenses	F	95.00	5.00	0.00	0.00	\$8,000	\$7,600	\$400	\$0	\$0
53	Laundry	F	95.00	5.00	0.00	0.00	\$2,000	\$1,900	\$100	\$0	\$0
54	Easements	F	90.00	10.00	0.00	0.00	\$25,000	\$22,500	\$2,500	\$0	\$0
55	Subtotal Conveyance System						\$2,318,700	\$2,153,015	\$117,185	\$26,500	\$22,000
							92.85%	5.05%	1.14%	0.95%	
56	Maintenance Allocation	F	94.18	5.06	0.41	0.35	\$1,087,593	\$1,024,295	\$55,032	\$4,459	\$3,807
57	Engineering Allocation	F	94.18	5.06	0.41	0.35	\$651,879	\$613,940	\$32,985	\$2,673	\$2,282
58	Total Conveyance System						\$4,058,173	\$3,791,251	\$205,202	\$33,632	\$28,088

TABLE 3 (Cont)  
CLASSIFICATION OF OPERATING EXPENSES TO COST COMPONENTS  
Western Lake Superior Sanitary District  
2023 Budget

		Cost Components				Cost Classifications					
Line No.	Description	Factor Code	Budgeted Flow	Billable Peak Flow	Budgeted BOD	Budgeted TSS	Operating Expenses	Budgeted Flow	Billable Peak Flow	Budgeted BOD	Budgeted TSS
			(%)	(%)	(%)	(%)					
Biosolids (4300)											
59	Salaries & Benefits	EA	0.00	0.00	40.00	60.00	\$820,127	\$0	\$0	\$328,051	\$492,076
60	Natural Gas	EA	0.00	0.00	40.00	60.00	\$3,500	\$0	\$0	\$1,400	\$2,100
61	Electricity	EA	0.00	0.00	40.00	60.00	\$1,250	\$0	\$0	\$500	\$750
62	Telephone	EA	0.00	0.00	40.00	60.00	\$1,300	\$0	\$0	\$520	\$780
63	Diesel	EA	0.00	0.00	40.00	60.00	\$147,919	\$0	\$0	\$59,167	\$88,751
64	Cont.Serv.-Land App	EA	0.00	0.00	40.00	60.00	\$0	\$0	\$0	\$0	\$0
65	Cont.Serv.-Field Work	EA	0.00	0.00	40.00	60.00	\$8,000	\$0	\$0	\$3,200	\$4,800
66	Cont Serv.-Other	EA	0.00	0.00	40.00	60.00	\$15,000	\$0	\$0	\$6,000	\$9,000
67	Supplies-Building	EA	0.00	0.00	40.00	60.00	\$240	\$0	\$0	\$96	\$144
68	Supplies-Equipment	EA	0.00	0.00	40.00	60.00	\$10,000	\$0	\$0	\$4,000	\$6,000
69	Supplies-Other	EA	0.00	0.00	40.00	60.00	\$500	\$0	\$0	\$200	\$300
70	Supplies-Safety	EA	0.00	0.00	40.00	60.00	\$766	\$0	\$0	\$306	\$460
71	Training	EA	0.00	0.00	40.00	60.00	\$5,000	\$0	\$0	\$2,000	\$3,000
72	Rent Equipment	EA	0.00	0.00	40.00	60.00	\$0	\$0	\$0	\$0	\$0
73	Travel	EA	0.00	0.00	40.00	60.00	\$0	\$0	\$0	\$0	\$0
74	Laundry	EA	0.00	0.00	40.00	60.00	\$4,123	\$0	\$0	\$1,649	\$2,474
75	Dues	EA	0.00	0.00	40.00	60.00	\$408	\$0	\$0	\$163	\$245
76	Publications	EA	0.00	0.00	40.00	60.00	\$0	\$0	\$0	\$0	\$0
77	Subtotal Biosolids						\$1,018,133	\$0	\$0	\$407,253	\$610,880
78	Maintenance Allocation		0.00	0.00	40.00	60.00	\$237,911	\$0	\$0	\$95,164	\$142,747
79	Engineering Allocation						\$0	\$0	\$0	\$0	\$0
80	Total Biosolids						\$1,256,044	\$0	\$0	\$502,418	\$753,626
81	TOTAL 4000/4200/4300						\$16,259,934	\$7,111,999	\$672,174	\$4,273,391	\$4,202,372
82	Percent						100.00%	43.74%	4.13%	26.28%	25.84%
Other Expenses											
83	Business Services	OE	43.74%	4.13%	26.28%	25.84%	\$2,024,130	\$885,342	\$83,676	\$531,976	\$523,135
84	Operations Services	OE	43.74%	4.13%	26.28%	25.84%	\$0	\$0	\$0	\$0	\$0
85	MIS	OE	43.74%	4.13%	26.28%	25.84%	\$796,070	\$348,196	\$32,909	\$209,221	\$205,744
86	Lab	OE	43.74%	4.13%	26.28%	25.84%	\$989,570	\$432,832	\$40,908	\$260,076	\$255,754
87	Environmental Programs	OE	43.74%	4.13%	26.28%	25.84%	\$307,576	\$134,532	\$12,715	\$80,836	\$79,493
88	Heating	OE	43.74%	4.13%	26.28%	25.84%	\$0	\$0	\$0	\$0	\$0
89	Capital Projects	OE	43.74%	4.13%	26.28%	25.84%	\$3,000,000	\$1,312,182	\$124,018	\$788,452	\$775,349
90	Totals-Other Expenses						\$7,117,347	\$3,113,085	\$294,226	\$1,870,561	\$1,839,475
91	Revenue Adjustments						(\$4,010,000)	(\$1,753,950)	(\$165,771)	(\$1,053,897)	(\$1,036,382)
92	Total Operating Expenses						\$19,367,280	\$8,471,134	\$800,630	\$5,090,055	\$5,005,464
93	Percent-Operating Expenses						100.00%	43.74%	4.13%	26.28%	25.84%
94	Total Operating Expenses excl Conveyance						\$15,309,108	\$4,679,882	\$595,428	\$5,056,423	\$4,977,376
95	Percent-Operating Expenses excl Conveyance						100.00%	30.57%	3.89%	33.03%	32.51%



Determination of Annual User Billings  
2023 Budget

	Annual Operating Expenses	2006-10 Debt Service		2011-12 Debt Service		2013-15 Debt Service		2016-20 Debt Service		2021 Debt Service		2022-26 Debt Service		Subtotal Debt Service	Total Bill	
		Percent	Allocation	Percent	Allocation	Percent	Allocation	Percent	Allocation	Percent	Allocation	Percent	Allocation			
Duluth	\$6,494,175	33.53%	37.27%	\$251,286	37.05%	\$371,076	37.05%	\$487,994	35.25%	\$943,682	38.72%	\$148,674	36.60%	\$925,941	\$3,128,654	\$9,622,828
Cloquet	\$768,056	3.97%	3.36%	\$22,664	3.03%	\$30,340	3.03%	\$39,899	3.89%	\$104,049	4.25%	\$16,325	3.98%	\$100,665	\$313,942	\$1,081,998
Proctor	\$242,313	1.25%	1.22%	\$8,193	1.19%	\$11,955	1.19%	\$15,722	1.29%	\$34,425	1.41%	\$5,413	1.34%	\$33,808	\$109,515	\$351,828
Hermantown	\$418,292	2.16%	1.40%	\$9,413	1.81%	\$18,176	1.81%	\$23,903	2.21%	\$59,091	2.44%	\$9,360	2.36%	\$59,814	\$179,758	\$598,050
Esko	\$117,203	0.61%	0.42%	\$2,808	0.52%	\$5,255	0.52%	\$6,911	0.61%	\$16,346	0.67%	\$2,565	0.66%	\$16,812	\$50,696	\$167,899
Scanlon	\$107,123	0.55%	0.22%	\$1,510	0.24%	\$2,369	0.24%	\$3,115	0.45%	\$12,021	0.49%	\$1,885	0.54%	\$13,753	\$34,652	\$141,775
Carlton	\$78,725	0.41%	0.45%	\$3,057	0.46%	\$4,569	0.46%	\$6,009	0.49%	\$13,124	0.54%	\$2,055	0.53%	\$13,406	\$42,220	\$120,945
Rice Lake	\$38,094	0.20%	0.20%	\$1,375	0.20%	\$2,047	0.20%	\$2,692	0.19%	\$5,023	0.21%	\$799	0.22%	\$5,523	\$17,459	\$55,553
Twin Lake	\$54,657	0.28%	0.24%	\$1,601	0.24%	\$2,355	0.24%	\$3,096	0.30%	\$8,018	0.33%	\$1,286	0.32%	\$8,144	\$24,499	\$79,156
Pike Lake	\$61,602	0.32%	0.28%	\$1,910	0.20%	\$2,002	0.20%	\$2,632	0.28%	\$7,614	0.31%	\$1,204	0.30%	\$7,500	\$22,864	\$84,466
Knife River	\$13,993	0.07%	0.08%	\$512	0.07%	\$730	0.07%	\$960	0.08%	\$2,015	0.08%	\$317	0.08%	\$1,984	\$6,517	\$20,510
Oliver	\$13,565	0.07%	0.05%	\$369	0.05%	\$522	0.05%	\$687	0.06%	\$1,680	0.07%	\$266	0.07%	\$1,655	\$5,179	\$18,744
Thomson	\$6,349	0.03%	0.04%	\$282	0.04%	\$415	0.04%	\$545	0.04%	\$1,176	0.05%	\$187	0.05%	\$1,174	\$3,779	\$10,128
Wrenshall	\$16,991	0.09%	0.07%	\$465	0.08%	\$760	0.08%	\$999	0.10%	\$2,641	0.11%	\$421	0.11%	\$2,718	\$8,003	\$24,994
Jay Cooke	\$1,245	0.01%	0.03%	\$200	0.02%	\$190	0.02%	\$250	0.01%	\$279	0.01%	\$45	0.01%	\$276	\$1,241	\$2,485
Midway	\$1,962	0.01%	0.08%	\$520	0.07%	\$735	0.07%	\$967	0.01%	\$238	0.01%	\$39	0.01%	\$237	\$2,735	\$4,697
MPCA Landfill	\$1,622	0.01%	0.11%	\$714	0.13%	\$1,277	0.13%	\$1,679	0.09%	\$2,359	0.10%	\$381	0.02%	\$591	\$7,001	\$8,624
Duluth - North Shore	\$31,871	0.16%	0.22%	\$1,507	0.20%	\$2,014	0.20%	\$2,648	0.19%	\$5,196	0.21%	\$821	0.20%	\$5,118	\$17,305	\$49,176
Georgia Pacific *	\$0	0.00%		\$7,196		\$8,238									\$15,433	\$15,433
Sappi	\$9,613,801	49.64%	36.39%	\$245,335	37.87%	\$379,315	37.87%	\$498,829	38.27%	\$1,024,714	44.80%	\$172,017	42.40%	\$1,072,817	\$3,393,027	\$13,006,829
ST Paper 1	\$776,738	4.01%	14.43%	\$97,266	13.19%	\$132,120	13.19%	\$173,749	13.61%	\$364,336	2.29%	\$8,798	7.50%	\$189,768	\$966,037	\$1,742,774
USG	\$419,692	2.17%	2.57%	\$17,350	2.67%	\$26,709	2.67%	\$35,124	1.92%	\$51,316	2.17%	\$8,336	2.00%	\$50,724	\$189,559	\$609,250
Specialty Minerals	\$89,214	0.46%	0.87%	\$5,889	0.67%	\$6,751	0.67%	\$8,878	0.68%	\$18,129	0.72%	\$2,769	0.69%	\$17,508	\$59,924	\$149,138
TOTALS	\$19,367,283	100.00%		\$681,423		\$1,009,918		\$1,317,290		\$2,677,471		\$383,961		\$2,529,937	\$8,600,000	\$27,967,283
			100.00%			100.00%				100.00%				100.00%		

Western Lake Superior Sanitary District  
Billing Detail  
2023 Budget

Line No.	Class of Service	Operating Expenses, based on Budgeted Flows and Loads					Debt Svc - based on Permitted Flows and Loads						TOTAL
		Flow	Billable Peak Flow	BOD	TSS	TOTAL	FLOW	PEAK FLOW	TOTAL FLOW	BOD	TSS	TOTAL	
	Municipalities: Duluth-												
1	Duluth	\$3,166,714	\$441,870	\$997,233	\$1,888,358	\$6,494,175	\$1,375,500	\$934,873	\$2,310,373	\$321,305	\$496,976	\$3,128,654	\$9,622,828
2	Cloquet	\$286,750	\$54,762	\$130,690	\$295,855	\$768,056	\$111,839	\$95,055	\$206,894	\$37,518	\$69,530	\$313,942	\$1,081,998
3	Proctor	\$112,206	\$19,387	\$40,346	\$70,374	\$242,313	\$48,233	\$34,728	\$82,961	\$11,364	\$15,191	\$109,515	\$351,828
4	Hermantown	\$162,076	\$39,655	\$87,543	\$129,018	\$418,292	\$59,337	\$54,672	\$114,008	\$30,050	\$35,699	\$179,758	\$598,050
5	Esko	\$51,415	\$9,993	\$20,021	\$35,773	\$117,203	\$18,622	\$15,614	\$34,236	\$6,791	\$9,669	\$50,696	\$167,899
6	Scanlon	\$42,140	\$10,461	\$21,459	\$33,063	\$107,123	\$11,763	\$12,982	\$24,745	\$4,729	\$5,178	\$34,652	\$141,775
7	Carlton	\$37,402	\$7,679	\$12,180	\$21,464	\$78,725	\$21,163	\$13,611	\$34,773	\$3,197	\$4,250	\$42,220	\$120,945
8	Rice Lake	\$14,961	\$3,777	\$7,619	\$11,738	\$38,094	\$6,739	\$5,468	\$12,207	\$2,490	\$2,761	\$17,459	\$55,553
9	Twin Lake	\$12,467	\$4,406	\$15,872	\$21,912	\$54,657	\$7,149	\$6,641	\$13,790	\$5,163	\$5,547	\$24,499	\$79,156
10	Pike Lake	\$24,935	\$4,406	\$12,698	\$19,564	\$61,602	\$8,518	\$7,429	\$15,947	\$3,288	\$3,628	\$22,864	\$84,466
11	Knife River	\$5,486	\$1,410	\$2,793	\$4,304	\$13,993	\$2,088	\$2,621	\$4,709	\$856	\$953	\$6,517	\$20,510
12	Oliver	\$5,486	\$982	\$2,793	\$4,304	\$13,565	\$1,903	\$1,658	\$3,561	\$769	\$849	\$5,179	\$18,744
13	Thomson	\$2,493	\$629	\$1,270	\$1,956	\$6,349	\$1,380	\$1,081	\$2,462	\$635	\$683	\$3,779	\$10,128
14	Wrenshall	\$6,732	\$1,548	\$3,428	\$5,282	\$16,991	\$3,147	\$2,233	\$5,380	\$1,247	\$1,376	\$8,003	\$24,994
15	Jay Cooke	\$499	\$101	\$254	\$391	\$1,245	\$497	\$288	\$785	\$212	\$244	\$1,241	\$2,485
16	Midway	\$748	\$55	\$571	\$587	\$1,962	\$1,248	\$699	\$1,946	\$349	\$439	\$2,735	\$4,697
17	MPCA Landfill	\$499	\$478	\$254	\$391	\$1,622	\$3,082	\$1,498	\$4,580	\$1,133	\$1,289	\$7,001	\$8,624
18	Unused	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	North Shore	\$12,467	\$3,273	\$6,349	\$9,782	\$31,871	\$6,133	\$6,063	\$12,196	\$2,414	\$2,695	\$17,305	\$49,176
21	Totals-Municipalities	\$3,945,476	\$604,873	\$1,363,373	\$2,554,117	\$8,467,839	\$1,688,341	\$1,197,213	\$2,885,554	\$433,508	\$656,958	\$3,976,020	\$12,443,858
	Industrials-												
22	Georgia Pacific	\$0	\$0	\$0	\$0	\$0	\$3,744	\$1,487	\$5,232	\$8,310	\$1,892	\$15,433	\$15,433
23	Sappi	\$4,114,234	\$94,417	\$3,235,298	\$2,169,853	\$9,613,801	\$1,326,865	\$469,392	\$1,796,258	\$1,079,014	\$517,756	\$3,393,027	\$13,006,829
24	ST Paper 1	\$249,348	\$88,122	\$380,623	\$58,645	\$776,738	\$328,257	\$156,464	\$484,721	\$429,752	\$51,564	\$966,037	\$1,742,774
25	USG	\$112,206	\$9,442	\$110,381	\$187,663	\$419,692	\$47,729	\$23,470	\$71,199	\$42,503	\$75,857	\$189,559	\$609,250
27	Specialty Minerals	\$49,870	\$3,777	\$381	\$35,187	\$89,214	\$21,196	\$9,779	\$30,975	\$162	\$28,787	\$59,924	\$149,138
28	Totals-Industrials	\$4,525,658	\$195,757	\$3,726,682	\$2,451,347	\$10,899,444	\$1,727,792	\$660,592	\$2,388,384	\$1,559,739	\$675,857	\$4,623,980	\$15,523,425
30	Totals-All Users	\$8,471,134	\$800,630	\$5,090,055	\$5,005,464	\$19,367,283	\$3,416,133	\$1,857,805	\$5,273,938	\$1,993,247	\$1,332,815	\$8,600,000	\$27,967,283

## Solid Waste Charges

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2023 Ten-Year Costs

		Actual	Actual	Actual	Actual	Estimate	Budget	Budget							
		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
Operations Fund Beginning Balance							\$3,198,759	\$2,779,490	\$2,265,878	\$1,554,878	\$788,378	(\$114,622)	(\$1,108,622)		
Operating Surplus/Deficit minus Capital Fee							(\$84,269)	(\$446,112)	(\$541,000)	(\$639,000)	(\$738,000)	(\$839,000)	(\$942,000)		
Transfer to Capital Fund							(\$335,000)	(\$67,500)	(\$170,000)	(\$127,500)	(\$165,000)	(\$155,000)	(\$150,000)		
Operations Fund Ending Balance		\$2,508,051	\$2,719,809	\$2,866,246	\$2,880,343	\$3,198,759	\$2,779,490	\$2,265,878	\$1,554,878	\$788,378	(\$114,622)	(\$1,108,622)	(\$2,200,622)		
<b>EXPENSES</b>															
Household Hazardous Waste (HHW)		\$834,778	862,550	\$797,124	\$915,570	\$908,060	\$930,054	\$1,021,976	\$1,042,000	\$1,063,000	\$1,084,000	\$1,106,000	\$1,128,000		
Yard waste & Organics composting facility		\$316,927	321,627	\$315,051	\$311,161	\$316,528	\$363,191	\$391,426	\$399,000	\$407,000	\$415,000	\$423,000	\$431,000		
Materials Recovery Center (MRC)		\$982,655	1,066,120	\$1,103,440	\$1,079,144	\$1,265,371	\$1,341,174	\$1,483,085	\$1,513,000	\$1,543,000	\$1,574,000	\$1,605,000	\$1,637,000		
Environmental Programs		\$699,643	705,863	\$786,137	\$746,396	\$776,308	\$924,218	\$926,332	\$945,000	\$964,000	\$983,000	\$1,003,000	\$1,023,000		
Solid Waste Grants		\$0	44,475	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
Allocated Costs/SW Planning		\$1,620,099	\$1,695,782	\$1,705,766	\$1,919,132	\$1,841,027	\$1,906,082	\$2,047,527	\$2,088,000	\$2,130,000	\$2,173,000	\$2,216,000	\$2,260,000		
Transfer Station Costs		\$4,706,590	\$4,805,239	\$4,881,426	\$4,864,424	\$5,106,718	\$5,307,828	\$6,510,915	\$6,641,000	\$6,774,000	\$6,909,000	\$7,047,000	\$7,188,000		
TOTAL PROGRAM EXPENSES:		\$9,160,692	\$9,501,656	\$9,588,944	\$9,835,827	\$10,214,013	\$10,772,548	\$12,381,262	\$12,628,000	\$12,881,000	\$13,138,000	\$13,400,000	\$13,667,000		
25% Operations Fund Goal (Was 15% thru 2014)		\$1,174,104	\$1,176,880	\$1,242,851	\$1,276,824	\$1,366,180	\$1,467,587	\$1,496,750	\$1,526,750	\$1,557,250	\$1,588,250	\$1,619,750	\$1,652,145		
<b>SOLID WASTE FEE REVENUES</b>															
Line Item fee (St. Louis Cty)		\$930,832	\$933,775	\$937,264	\$1,007,699	\$944,150	\$946,275	\$948,063	\$948,000	\$948,000	\$948,000	\$948,000	\$948,000		
Line Item fee (Carlton Cty)		\$175,075	\$196,688	\$197,688	\$204,783	\$192,888	\$194,150	\$195,550	\$196,000	\$196,000	\$196,000	\$196,000	\$196,000		
Property Tax Subtotal		\$1,105,907	\$1,130,463	\$1,134,952	\$1,212,482	\$1,137,038	\$1,140,425	\$1,143,613	\$1,144,000	\$1,144,000	\$1,144,000	\$1,144,000	\$1,144,000		
Hauler Collected Fee		\$2,489,244	\$2,555,512	\$2,581,401	\$2,503,346	\$2,615,000	\$2,615,000	\$2,615,000	\$2,615,000	\$2,615,000	\$2,615,000	\$2,615,000	\$2,615,000		
SW MGMT FEE TOTAL		\$3,595,151	\$3,685,975	\$3,716,353	\$3,715,828	\$3,752,038	\$3,755,425	\$3,758,613	\$3,759,000	\$3,759,000	\$3,759,000	\$3,759,000	\$3,759,000		
<b>FEES, GRANTS, AND REVENUE</b>															
Transfer Station Fees		\$4,687,503	\$4,751,643	\$4,848,880	\$4,863,223	\$4,988,166	\$5,180,945	\$6,360,024	\$6,487,000	\$6,617,000	\$6,749,000	\$6,884,000	\$7,022,000		
Transfer Station Administration Fees		\$131,760	\$132,433	\$129,952	\$127,006	\$132,215	\$135,630	\$162,719	\$163,000	\$163,000	\$163,000	\$163,000	\$163,000		
Capital Improvement Fees collected at Transfer Station		\$112,097	\$113,832	\$109,125	\$109,484	\$111,746	\$116,228	\$116,228	\$116,228	\$116,228	\$116,228	\$116,228	\$116,228		
Solid Waste Grant Revenue		\$15,738	\$20,114												
MRC Fees		\$531,383	\$578,805	\$611,206	\$573,251	\$652,500	\$669,990	\$664,525	\$678,000	\$692,000	\$706,000	\$720,000	\$734,000		
St. Louis & County Reimbursement		\$71,879	\$78,675	\$62,690	\$80,814	\$75,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000		
Compost/Yard Waste fees		\$162,775	\$151,090	\$117,417	\$133,991	\$121,539	\$121,539	\$121,770	\$124,000	\$126,000	\$129,000	\$132,000	\$135,000		
SCORE Grant		\$305,241	\$297,253	\$298,598	\$299,188	\$298,598	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000		
District HHW grants		\$74,211	\$68,203	\$68,577	\$69,228	\$68,038	\$69,000	\$64,000	\$64,000	\$64,000	\$64,000	\$64,000	\$64,000		
County HHW payments/grants		\$155,690	\$195,252	\$200,149	\$209,966	\$176,500	\$178,500	\$183,500	\$187,000	\$191,000	\$195,000	\$199,000	\$203,000		
Paint Care		\$170,294	\$176,495	\$169,901	\$101,147	\$262,899	\$186,000	\$190,000	\$194,000	\$198,000	\$202,000	\$206,000	\$210,000		
Other revenue/interest income		\$42,103	\$70,033	\$68,366	\$36,232	\$5,716	\$11,250	\$50,000	\$51,000	\$52,000	\$53,000	\$54,000	\$55,000		
SUBTOTAL		\$6,460,674	\$6,633,828	\$6,684,861	\$6,603,530	\$6,892,917	\$7,049,082	\$8,292,765	\$8,444,228	\$8,599,228	\$8,757,228	\$8,918,228	\$9,082,228		
ALL REVENUE TOTAL:		\$10,055,825	\$10,319,803	\$10,401,214	\$10,319,358	\$10,644,954	\$10,804,507	\$12,051,378	\$12,203,228	\$12,358,228	\$12,516,228	\$12,677,228	\$12,841,228		
Surplus / (Deficit)		\$895,133	\$818,147	\$812,270	\$483,531	\$430,941	\$31,959	(\$329,884)	(\$424,772)	(\$522,772)	(\$621,772)	(\$722,772)	(\$825,772)		
Capital Projects		\$262,096	\$263,832	\$459,125	\$109,484	\$111,746	\$451,228	\$183,728	\$286,228	\$243,728	\$281,228	\$271,228	\$266,228		
Financial Statement - Surplus/(Deficit)		\$633,037	\$554,315	\$353,145	\$374,047	\$319,196	(\$419,269)	(\$513,612)	(\$711,000)	(\$766,500)	(\$903,000)	(\$994,000)	(\$1,092,000)		

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### 2023 Solid Waste Program Expenditures and Revenues

	Household Hazardous Waste (HHW)	Environ mental Programs	Yard Waste and Organics Composting	Solid Waste Grants	Solid Waste Planning and Management	Transfer Station - 27th Ave West	Material Recovery Center	Capital Projects	Surplus (Deficit)	Total
<b>Budgeted O&amp;M Expenses</b>	\$1,021,976	\$926,332	\$391,426	\$0		\$6,510,915	\$1,483,085	\$183,728		\$10,517,463
<b>Direct &amp; Indirect Cost Allocation</b>					\$2,047,527					\$2,047,527
<b>Total Expenses</b>	\$1,021,976	\$926,332	\$391,426	\$0	\$2,047,527	\$6,510,915	\$1,483,085	\$183,728	\$0	\$12,564,990
<b>Revenues:</b>										
District HHW grants	\$64,000									\$64,000
Regional Program Grants/HHW Contracts	\$81,000									\$81,000
Very Small Quantity Generator & other fees	\$102,500									\$102,500
Paint Care	\$190,000									\$190,000
State of MN - SCORE Grant	\$70,000	\$160,000	\$70,000							\$300,000
St. Louis County Service Fees	\$20,000	\$40,000					\$20,000			\$80,000
Organics/Yard Waste/Brush			\$121,770							\$121,770
Trf Station tipping fees						\$6,360,024				\$6,360,024
Trf Station - Admin fee					\$11,827	\$150,892				\$162,719
Trf Station - Capital								\$116,228		\$116,228
Solid Waste Grants				\$0						\$0
Material Recovery Fees							\$664,525			\$664,525
Investment & other revenue					\$50,000					\$50,000
<b>Total Revenue:</b>	\$527,500	\$200,000	\$191,770	\$0	\$61,827	\$6,510,915	\$684,525	\$116,228	\$0	\$8,292,765
<b>Net Cost:</b>	(\$494,476)	(\$726,332)	(\$199,656)	\$0	(\$1,985,700)	\$0	(\$798,560)	(\$67,500)	\$0	(\$4,272,225)
<b>Solid Waste Fee Revenue</b>	\$494,476	\$726,332	\$199,656	\$0	\$1,985,700	(\$0)	\$798,560	\$67,500	(\$513,612)	\$3,758,613
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$513,612)	(\$513,612)

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<b>MSW In District</b>	<b>2023 Estimated Volume (tons)</b>	<b>Operation, Transport and Disposal Costs</b>	<b>Budgeted Capital Fee</b>	<b>Budgeted Admin Fee</b>	<b>Budgeted Operations and Disposal Fees</b>	<b>2023 Budgeted Revenue</b>
District Haulers (tons)						
In District	53,000	\$3,354,630	\$0	\$66,250	\$3,354,630	\$3,420,880
Carlton County (tons) *	10,824	\$452,653	\$0	\$13,530	\$452,653	\$466,183
Solid Waste Genl (tons)	50	\$3,165	\$0	\$63	\$3,165	\$3,227
Rejected Organics	4	\$253	\$0	\$5	\$253	\$258
Cleanup (tons)	50	\$3,165	\$0	\$0	\$3,165	\$0
<b>Total</b>	<b>63,928</b>	<b>\$3,813,866</b>	<b>\$0</b>	<b>\$79,848</b>	<b>\$3,813,866</b>	<b>\$3,890,548</b>

<b>MSW out of District</b>	<b>2023 Estimated Volume (tons)</b>	<b>Operations and Transport Costs</b>	<b>Budgeted Capital Fee</b>	<b>Budgeted Admin Fee</b>	<b>Budgeted Operations and Disposal Fees</b>	<b>2023 Budgeted Revenue</b>
Carlton County (tons) *	2,376	\$99,363	\$7,128	\$5,346	\$99,363	\$111,837
Cook County (tons)	3,600	\$227,862	\$10,800	\$8,100	\$227,862	\$246,762
Lake County (tons)	6,500	\$411,417	\$19,500	\$14,625	\$411,417	\$445,542
Superior (tons)	9,000	\$569,654	\$27,000	\$20,250	\$569,654	\$616,904
<b>Total</b>	<b>21,476</b>	<b>\$1,308,295</b>	<b>\$64,428</b>	<b>\$48,321</b>	<b>\$1,308,295</b>	<b>\$1,421,044</b>

<b>Mixed Loads</b>	<b>2023 Estimated Volume (tons)</b>	<b>Operations and Transport Costs</b>	<b>Budgeted Capital Fee</b>	<b>Budgeted Admin Fee</b>	<b>Budgeted Operations and Disposal Fees</b>	<b>2023 Budgeted Revenue</b>
In District	9,000	\$569,654	\$18,000	\$11,250	\$569,654	\$598,904
Out of District	4,000	\$253,180	\$12,000	\$9,000	\$253,180	\$274,180
Carlton in District*	8,200	\$342,919	\$16,400	\$10,250	\$342,919	\$369,569
Carlton Out of District*	1,800	\$75,275	\$5,400	\$4,050	\$75,275	\$84,725
<b>Total</b>	<b>23,000</b>	<b>\$1,241,028</b>	<b>\$51,800</b>	<b>\$34,550</b>	<b>\$1,241,028</b>	<b>\$1,327,378</b>

<b>Transfer Station Totals</b>	<b>2023 Estimated Volume (tons)</b>	<b>Operations and Transport Costs</b>	<b>Budgeted Capital Fee</b>	<b>Budgeted Admin Fee</b>	<b>Budgeted Operations and Disposal Fees</b>	<b>2023 Budgeted Revenue</b>
MSW In District	63,928	\$3,813,866	\$0	\$79,848	\$3,813,866	\$3,890,548
MSW Out of District	21,476	\$1,308,295	\$64,428	\$48,321	\$1,308,295	\$1,421,044
Mixed Loads	23,000	\$1,241,028	\$51,800	\$34,550	\$1,241,028	\$1,327,378
Unacceptable Revenue	-	\$2,417	-	-	\$2,417	\$64,125
<b>Transfer Station Totals</b>	<b>108,404</b>	<b>\$6,365,605</b>	<b>\$116,228</b>	<b>\$162,719</b>	<b>\$6,365,605</b>	<b>\$6,703,095</b>

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## Transfer Station Fees 7/1/22 to 6/30/23

### MSW Rates (In District)

WLSSD Transfer Station	7/1/22 RATES
Operational Costs	\$6.95
Transport Costs (separate)	\$13.90
Disposal Costs (separate)	\$27.98
WLSSD Capital Charge	\$0.00
WLSSD Administrative Fee	\$1.25
Wisconsin Environmental Fees	\$6.00
Wisconsin Recycling Fee	\$7.00
<b>Total Cost</b>	<b>\$63.08</b>

### Mixed Load Rate (In District)

WLSSD Transfer Station	7/1/22 RATES
Operational Costs	\$6.95
Transport Costs (separate)	\$13.90
Disposal Costs (separate)	\$27.98
WLSSD Capital Charge	\$2.00
WLSSD Administrative Fee	\$1.25
Wisconsin Environmental Fees	\$6.00
Wisconsin Recycling Fee	\$7.00
<b>Total Cost</b>	<b>\$65.08</b>

### MSW Rates (Out of District Waste)

WLSSD Transfer Station	7/1/22 RATES
Operational Costs	\$6.95
Transport Costs (separate)	\$13.90
Disposal Costs (separate)	\$27.98
WLSSD Capital Charge	\$3.00
WLSSD Administrative Fee	\$2.25
Wisconsin Environmental Fees	\$6.00
Wisconsin Recycling Fee	\$7.00
<b>Total Cost</b>	<b>\$67.08</b>

### Mixed Load Rates (Out of District Waste)

WLSSD Transfer Station (Out of District Haulers)	7/1/22 RATES
Operational Costs	\$6.95
Transport Costs (separate)	\$13.90
Disposal Costs (separate)	\$27.98
WLSSD Capital Charge	\$3.00
WLSSD Administrative Fee	\$2.25
Wisconsin Environmental Fees	\$6.00
Wisconsin Recycling Fee	\$7.00
<b>Total Cost</b>	<b>\$67.08</b>

The Operational Costs, Transport Fees and Disposal Fees will be adjusted on July 1, 2023 based on the Consumer Price Index (CPI).

### Material Recovery Center Rate Schedule for 2023

Waste Type	Rate	Unit
Mixed Waste	\$24.00	Yard
Brush / Clean Scrap Wood	\$10.00	Yard
Small Appliances	\$2.00	Each
Appliances	\$5.00	Each
Microwaves Free	Free	Each
Passenger Vehicle Tires (first 4 per visit)	Free	Each
Tires-car/pickup	\$3.00	Each
Tires-truck	\$8.00	Each
Tires-truck w/rim	\$16.00	Each
Tires-offroad	\$40.00	Each
Tires-offroad >600	\$160.00	Each
Electronics-Keyboards, mouse, rechargeable and mercury batteries, rechargeable handheld appliances	Free	Each
Electronics- laptop, cordless tools, telephone, CPU, Fax machine, printers, scanners	\$2.00	Each
Electronics-Video Equipment with screen 7" or larger, RV or Monitor up to 19"	\$9.00	Each
Standard or Flat Screen TV or Monitor over 19"	\$12.00	Each
Console TV or Projection TV over 40"	\$15.00	Each
Business Electronics-Keyboards, mouse, rechargeable and mercury batteries, rechargeable handheld appliances	Free	Each
Business CPU (computer tower), Laptop, Printer, Scanner, Fax Machine, Video Player (VCR, DVD, etc)	\$5.00	Each
Business electronics-TVs/monitors up to 19"	\$12.00	Each
Business electronics-TVs/monitors over 19"	\$18.00	Each
Business electronics-TVs/monitors over 40"	\$25.00	Each
Mattresses - dry	\$20.00	Each
Mattresses - wet	\$24.00	Each
Incidental kitchen waste	\$2.00	Per Bag
Scrap metal	Free	
Food Waste	Free	
Wood ashes	Free	
Household recyclables	Free	
Business recyclables	\$10.00	Yard

### Yard Waste/Organics Composting Rate Schedule for 2023

Organics	Rate	Unit
Wholesale Bagged Compost	\$3.50	Bag
Retail Bagged Compost	\$5.00	Bag
Bulk Compost >5 Yards	\$22.00	Yard
Bulk Compost Retail - Loaded	\$30.00	Yard
Bulk Compost Retail - Self-Loaded	\$22.00	Yard
Brush	\$10.00	Yard
Dirt	\$10.00	Yard
Leaves/Grass	Free	



A Hazardous Waste Disposal Option for Small Businesses

## Waste Disposal Fees\*

(Effective January, 2020)

COMMON WASTES	
Aerosol Cans (lbs)	\$1.60/lb
Latex paint, architectural ** (gal)	FREE
Oil base paint, architectural ** (gal)	FREE
Latex paint, other (gal)	\$3.50/gal
Oil base paint, other (gal)	\$2.70/gal
Solvents, thinners, fuels (gal)	\$1.40/gal
Tars, adhesives, paint-related materials (lbs)	\$1.80/lb
FLUORESCENT LAMPS & BALLASTS ***	
Ballasts (lbs)	\$1.90/lb
4 foot or less fluorescent lamps (each)	\$0.50/each
Greater than 4 foot fluorescent lamps (each)	\$0.60/each
Compact fluorescent lamps - CFLs (each)	\$0.90/each
Circular or U-shape fluorescent lamps (each)	\$0.80/each
HID lamps (each)	\$4.00/each
Crushed lamps (lbs)	\$2.80/lb
Broken lamps (each)	\$1.75/each
BATTERIES	
Button (lbs)	\$5.90/lb
Lithium Ion (lbs)	\$7.20/lb
Other rechargeable batteries (lbs)	\$1.20/lb
Wet NiCd (lbs)	\$1.40/lb
Wet lead-acid (lbs)	\$0.25/lb
DENTAL/MEDICAL WASTES	
Amalgam (lbs)	\$7.70/lb
Lead foil (lbs)	FREE
Pharmaceuticals/medications (lbs)	\$2.00/lb
Photo fixer (lbs)	\$1.80/lb
Sharps (gal) ****	\$5.00/gal
X-ray film (lbs)	\$0.25/lb
ADMINISTRATIVE FEES	
Labor (hours)	\$50/hr
Mileage for pick-ups (miles)	varies
Supplies for packaging (drums, vermiculite)	varies

OTHER WASTES	
Acids (lbs)	\$1.80/lb
Antifreeze (gal)	\$2.20/gal
Asbestos tars (lbs)	\$1.10/lb
Bases (lbs)	\$1.80/lb
Dangerous When Wet (lbs)	\$1.80/lb
Flammable Solids (lbs)	\$1.80/lb
Mercury Compounds (lbs)	\$7.70/lb
Mercury - elemental (lbs)	\$7.70/lb
Mercury-containing items (lbs)	\$7.70/lb
Non-hazardous liquids (gal)	\$0.25/gal
Non-hazardous solids (lbs)	\$0.04/lb
Oil filters (each)	\$1.00/each
Oily debris/oily sorbents/paint filters (lbs)	\$1.40/lb
Waste oil (gal)	\$0.15/gal
Organic Peroxides (lbs)	\$1.80/lb
Oxidizers (lbs)	\$1.80/lb
Paint chips - leaded/lead debris (lbs)	\$1.20/lb
Pesticides (lbs)	FREE
Poisons/Toxics (lbs)	\$1.80/lb
Unknown Analysis (each)	\$10.00/each
Unknown Disposal (lbs)	\$1.80/lb
CYLINDERS	
Fire Extinguishers - halon (each)	\$17.80/each
Fire Extinguishers - dry, water, CO2 (each)	\$2.00/each
Small propane/MAPP gas cylinders (each)	\$2.40/each
Other Cylinders - list (each)	varies

\* Prices subject to change without notice.

\*\* Architectural paints are defined as interior and exterior architectural coatings sold in containers of 5 gallons or smaller. However, they do not include aerosols, industrial maintenance (IM), original equipment manufacturer (OEM), or specialty coatings.

\*\*\* Clean Shop can accept up to 200 fluorescent bulbs from a business annually; customers may request a list of local disposal companies servicing larger quantities.

\*\*\*\* Clean Shop can accept up to 10 gallons of sharps per customer annually.



**Western Lake Superior Sanitary District**  
 2626 Courtland Street • Duluth, MN 55806-1894  
 phone (218) 726-1602 • fax (218) 740-4959  
 wlssd.com • clean.shop@wlssd.com

**Call for quotes on full drums and other items not listed.**

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## **RESOLUTION 22 – 14; ESTABLISHING SOLID WASTE MANAGEMENT FEE**

**WHEREAS**, the Sanitary Board of the Western Lake Superior Sanitary District previously established Solid Waste Management Service Areas on November 6, 1995, pursuant to Minnesota Statutes Section 400.08, Subd. 2, for that portion of the Western Lake Superior Sanitary District located within St. Louis County and that portion of the Western Lake Superior Sanitary District located within Carlton County;

**WHEREAS**, the Board has determined that both service areas are in need of solid waste management services from the Western Lake Superior Sanitary District;

**WHEREAS**, the Board has considered the character, kind and quality of the solid waste management services provided to residents in these service areas;

**WHEREAS**, the Board has determined that the cost of certain of the Solid Waste Management Services be recovered through a Solid Waste Management Fee imposed on generators of Mixed Municipal Solid Waste located within the service areas;

**WHEREAS**, the Board find that the Solid Waste Management Fee should be based on the capacity of the container holding the Mixed Municipal Solid Waste and the frequency of collection;

**WHEREAS**, the Board has determined that the Solid Waste Management Fee provided for herein is a just and reasonable charge for certain of the solid waste management services provided by the Western Lake Superior Sanitary District;

**WHEREAS**, the Board has determined that Residential rates will apply to a Residential Building containing up to three Dwelling Units and Commercial rates will apply to all other structures;

**NOW, THEREFORE, BE IT RESOLVED**, that the Solid Waste Management Fee for the Western Lake Superior Sanitary District service areas shall be based on solid waste container size according to the rates set forth below and such Solid Waste Management Fee shall be imposed on each occasion waste from the container is collected by a Collector (as "Collector" is defined by the District Solid Waste Ordinance adopted August 2018):

**Residential Structures containing up to three dwelling units** will be charged at the rate of \$0.0085 per gallon based on the size of the container.

**Small volume commercial customers** will be charged at a rate based on the size of the container of \$.0116/gallon for non-compacted waste.

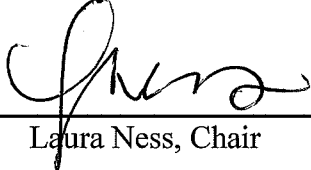
**Large volume commercial customers** will be charged at a rate based on the size of the container of \$2.35/yard for non-compacted waste and \$4.70/yard for compacted waste.

**BE IT FURTHER RESOLVED** that the Western Lake Superior Sanitary District shall pay to the Collector four percent (4%) of the total Solid Waste Management Fee collected and remitted to compensate the Collector for administrative costs. Self-Haulers, as defined by the Solid Waste Ordinance, shall not be entitled to such payment.

**BE IT FURTHER RESOLVED** that the effective date of this Solid Waste Management Fee is January 1, 2023, and it shall remain in effect until amended or repealed by the Board.

Dated this 26<sup>th</sup> day of September, 2022.

WESTERN LAKE SUPERIOR SANITARY  
DISTRICT

By: \_\_\_\_\_  
Laura Ness, Chair

By: \_\_\_\_\_  
Julene Boe, Secretary





**RESOLUTION 22 – 11; ESTABLISHING SYSTEM OF CHARGES  
FOR SOLID WASTE MANAGEMENT SERVICES RECOVERED AS A  
CHARGE AGAINST REAL ESTATE**

**WHEREAS**, the Western Lake Superior Sanitary District (“District”) incurs costs to provide solid waste management services and facilities to the residents of the District;

**WHEREAS**, the District desires to recover a portion of the costs through the imposition of a charge against real estate and a portion of the costs through other methods such as a hauler collected service fee;

**WHEREAS**, the District is authorized under Minn. Stat. § 458D.111 to assess the costs of solid waste management services as a charge against real estate and is specifically authorized pursuant to Minn. Stat. § 400.08, to collect said charges against the owners, lessees or occupants of all property, including government and tax-exempt property;

**WHEREAS**, the District has created two service areas within its boundaries: that portion of the District located in Carlton County and that portion of the District located in St. Louis County;

**WHEREAS**, a public hearing was conducted on September 12, 2022, to explain to the public this method of rate system of recovering a portion of the costs of solid waste management services as a charge against real estate;

**NOW, THEREFORE, BE IT RESOLVED**, that the portion of the solid waste management service costs to be recovered as a charge against taxable parcels for tax year 2023 shall be in accordance with the method or rate system as follows:

Residential 1-3 Units	\$25.00 per parcel
Seasonal	\$12.50 per unit

The property or unit must have an improved value greater than or equal to \$5,000 over and above the land value.

**BE IT FURTHER RESOLVED**, that the annual charges assessed against taxable parcels in accordance herewith shall be collected through the County Auditor in each service area pursuant to the authority set forth in Minn. Stat. § 458D.111, subd. 3.

Dated this 26<sup>th</sup> day of September, 2022.

WESTERN LAKE SUPERIOR SANITARY DISTRICT

By: \_\_\_\_\_

Laura Ness, Chair

By: \_\_\_\_\_

Julene Boe, Secretary



**RESOLUTION 22 – 12; RESOLUTION CERTIFYING SERVICE  
CHARGES TO THE ST. LOUIS COUNTY AUDITOR**

**WHEREAS**, the Western Lake Superior Sanitary District has the authority under Minn. Stat. § 458D.111 to assess the costs of solid waste management services as a charge against real estate;

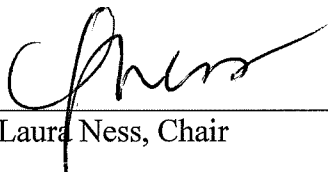
**WHEREAS**, the Western Lake Superior Sanitary District has previously created a service area pursuant to Minn. Stat. §400.08 which includes all portions of St. Louis County located within the boundaries of the District;

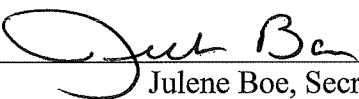
**WHEREAS**, the District has adopted Resolution No. 22-11 which sets forth the system of charges for solid waste management services in the service area;

**NOW, THEREFORE, BE IT RESOLVED**, that the Board of the Western Lake Superior Sanitary District hereby certifies to the St. Louis County Auditor pursuant to Minn. Stat. §458D.111, subd. 3, the itemized list describing the parcels of land and the charges to be collected against each parcel for tax year 2023.

Dated this 26<sup>th</sup> day of September, 2022.

WESTERN LAKE SUPERIOR SANITARY DISTRICT

By   
Laura Ness, Chair

By   
Julene Boe, Secretary



**RESOLUTION 22 – 13; RESOLUTION CERTIFYING SERVICE  
CHARGES TO THE CARLTON COUNTY AUDITOR**

**WHEREAS**, the Western Lake Superior Sanitary District has the authority under Minn. Stat. § 458D.111 to assess the costs of solid waste management services as a charge against real estate;

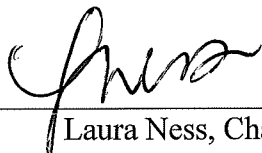
**WHEREAS**, the Western Lake Superior Sanitary District has previously created a service area pursuant to Minn. Stat. § 400.08 which includes all portions of Carlton County located within the boundaries of the District;

**WHEREAS**, the District has adopted Resolution 22-11 which sets forth the system of charges for solid waste management services in the service area.

**NOW, THEREFORE, BE IT RESOLVED**, that the Board of the Western Lake Superior Sanitary District hereby certifies to the Carlton County Auditor pursuant to Minn. Stat. § 458D.111, subd. 3, the itemized list describing the parcels of land and the charges to be collected against each parcel for tax year 2023.

Dated this 26<sup>th</sup> day of September, 2022.

WESTERN LAKE SUPERIOR SANITARY DISTRICT

By   
Laura Ness, Chair

By   
Julene Boe, Secretary

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## District-Wide Allocation

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**WLSSD DISTRICT-WIDE ALLOCATION  
2023 BUDGET**

	TAX CAPACITY			TAX CAPACITY		
	VALUE 2022	% OF	DWA	VALUE 2023	% OF	DWA
	(THOUSANDS)	TOTAL	2022	(THOUSANDS)	TOTAL	2023
<b><u>ST. LOUIS COUNTY</u></b>						
DULUTH	\$87,700	62.28%	\$221,104	\$99,503	61.13%	\$217,010
HERMANTOWN	\$14,844	10.54%	\$37,424	\$16,391	10.07%	\$35,748
PROCTOR	\$2,839	2.02%	\$7,158	\$3,048	1.87%	\$6,647
CANOSIA	\$2,901	2.06%	\$7,314	\$3,389	2.08%	\$7,391
DULUTH TOWNSHIP	\$655	0.47%	\$1,651	\$749	0.46%	\$1,634
GRAND LAKE	\$3,438	2.44%	\$8,668	\$4,124	2.53%	\$8,994
LAKEWOOD *	\$674	0.48%	\$1,699	\$807	0.50%	\$1,759
MIDWAY *	\$537	0.38%	\$1,354	\$587	0.36%	\$1,281
RICE LAKE	\$3,968	2.82%	\$10,004	\$4,788	2.94%	\$10,442
SOLWAY *	\$546	0.39%	\$1,376	\$614	0.38%	\$1,339
SUBTOTAL	\$118,102	83.87%	\$297,751	\$134,000	82.32%	\$292,245
<b><u>CARLTON COUNTY</u></b>						
CARLTON/THOMSON	\$704	0.50%	\$1,775	\$916	0.56%	\$1,998
CLOQUET	\$9,609	6.82%	\$24,226	\$11,801	7.25%	\$25,737
SCANLON	\$881	0.63%	\$2,221	\$1,139	0.70%	\$2,484
WRENSHALL	\$394	0.28%	\$993	\$515	0.32%	\$1,123
SILVERBROOK*	\$629	0.45%	\$1,585	\$888	0.55%	\$1,936
THOMSON TOWNSHIP	\$6,990	4.96%	\$17,623	\$8,522	5.24%	\$18,586
TWIN LAKES	\$3,501	2.49%	\$8,826	\$4,994	3.07%	\$10,892
SUBTOTAL	\$22,708	16.13%	\$57,249	\$28,775	17.68%	\$62,755
TOTAL DWA	\$140,810	100.00%	\$355,000	\$162,774	100.00%	\$355,000

\* Charges for unsewered areas are based on 25%  
of net tax capacity.

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## Department Summary

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## **DESCRIPTIONS OF FUNCTIONS**

### **WASTEWATER TREATMENT DEPARTMENTS**

The following departments are responsible for the collection and treatment of wastewater. The expenditures for these departments are directly allocated toward wastewater costs.

#### **4000 Clean Water Production**

Clean Water Production is responsible for wastewater from the time it enters the facility in Bldg 2 until discharge at the outfall. Clean Water also manages the digestion of wastewater solids into biosolids for land application under department 4300. Grit and screenings removed from the wastewater stream are landfilled.

#### **4200 Conveyance**

The Conveyance System is responsible for the transmission of liquids and solids through the District's system of pump stations, forcemains and interceptor sewers from the time the material enters the system until discharge to Clean Water Production at the treatment plant.

#### **4300 Biosolids**

Biosolids Management is responsible for the biosolids product from its delivery to the floor of the onsite storage facility continuing through its application to approved land application sites or other alternative recycling or disposal options.

Land application is responsible for hauling and spreading biosolids on approved sites. In addition, the department is responsible for maintaining a sufficient amount of MPCA approved sites for land application, public education on biosolids, continued planning on program sustainability and market development for biosolids distribution.

#### **4700 Environmental Programs Wastewater**

The team provides a comprehensive program of community relations, pollution prevention, and public education for Wastewater.

## **SOLID WASTE DIRECT OPERATIONS**

The following departments are responsible for the collection, transportation, and appropriate reuse or disposal of solid waste materials. The expenditures for these departments are directly allocated toward solid waste costs.

### **5000 Transfer Station**

This department provides for efficient transfer and disposal of mixed municipal solid waste in a manner that meets the needs of its customers. These services are provided through a contract for operation of the transfer station and transportation of waste to a permitted landfill in Superior, Wisconsin.

### **5100 Materials Recovery Center**

This department is responsible for operation of the facility in accordance with the requirements of Minnesota Pollution Control Agency Permit # SW-437.

### **5500 Organics Composting Site**

This budget supports the staffing and operation of the District's organic waste composting facility.

### **5600 Household Hazardous Waste**

The services provided by this department are designed to insure proper management of household hazardous waste (HHW) and very small quantity generator (VSQG) wastes. Efforts are focused primarily at residents and businesses within the District, but do extend throughout the counties of Northeast Minnesota.

### **5700 Environmental Programs Solid Waste**

The team provides a comprehensive program of community relations, pollution prevention, and public education for Solid Waste. The services provided by this department are designed to educate the general public and businesses within the District on how to properly manage their solid wastes. Such efforts are consistent with the requirements of the Minnesota Select Committee on Recycling and the Environment (SCORE) Act, which requires reduction of our solid waste volumes.

### **5800 Solid Waste Grants**

This budget reflects expenditures related to non-recurring solid waste grants.

## **SHARED SERVICES DEPARTMENTS**

The following departments are responsible for providing necessary services and support to both the wastewater treatment and solid waste businesses. Their costs are allocated between the wastewater and solid waste budgets based upon use.

### **6000 Administration**

Department 6000 includes the costs associated with finance, human resources, division management, purchasing and stores, and safety.

### **6600 Mechanical Maintenance**

The Mechanical Maintenance Department is dedicated to maintaining District facilities and equipment to a standard of excellence, stressing preventive approaches and modernization. The core business of a maintenance department is defined as the repair and upkeep of existing equipment, facilities, buildings and grounds.

### **6700 Facilities and Utilities**

The Facilities and Utilities Department includes heating systems and management of energy costs related to operating the facilities.

### **6800 Electrical Maintenance**

The Electrical Maintenance Department is dedicated to maintaining District facilities and equipment to a standard of excellence, stressing preventive approaches and modernization. The core business of a maintenance department is defined as the repair and upkeep of existing equipment, facilities, buildings and grounds.

### **7000 Planning & Engineering**

The team supports operations and environmental compliance by providing engineering and planning services.

### **7400 Management Info Systems**

The team provides a comprehensive system of information support; systems and support; storage of information; and maintenance of information, communications and information systems infrastructure.

### **7700 Lab Services**

The team provides a comprehensive program of analytical services; daily, monthly and time sensitive reporting; data management; and required regulatory reporting.

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**WESTERN LAKE SUPERIOR SANITARY DISTRICT DEPARTMENTAL BUDGET  
WASTEWATER SUMMARY**

	<u>ACTUAL 2021</u>	<u>BUDGET 2022</u>	<u>ESTIMATE 2022</u>	<u>BUDGET 2023</u>	<u>% CHANGE BUDG 23/ BUDG 2022</u>	<u>% CHANGE BUDG 23/ EST 2022</u>
<b>OPERATIONS</b>						
<b>WASTEWATER TREATMENT</b>						
4000 CLEAN WATER PRODUCTION	\$ 5,717,656	\$ 6,546,761	\$ 6,559,130	\$ 5,091,747	-22.2%	-22.4%
4200 CONVEYANCE SYSTEM	\$ 1,805,788	\$ 2,082,319	\$ 2,227,418	\$ 2,318,700	11.4%	4.1%
4300 BIOSOLIDS	\$ 872,231	\$ 904,836	\$ 894,878	\$ 1,018,133	12.5%	13.8%
4700 ENV PROG WW	\$ 216,405	\$ 258,673	\$ 295,645	\$ 307,576	18.9%	4.0%
4800 WW GRANTS	\$ -	\$ -	\$ -	\$ -	-	-
SUB TOTAL	<u>\$ 8,612,080</u>	<u>\$ 9,792,589</u>	<u>\$ 9,977,071</u>	<u>\$ 8,736,157</u>	<u>-10.8%</u>	<u>-12.4%</u>
<b>SOLID WASTE OPERATIONS</b>						
5000 TRANSFER STATION 27TH	\$ -	\$ -	\$ -	\$ -	-	-
5100 MATERIALS RECOVERY CENTER	\$ -	\$ -	\$ -	\$ -	-	-
5500 ORGANICS COMPOSTING SITE	\$ -	\$ -	\$ -	\$ -	-	-
5600 HOUSEHOLD HAZARDOUS WASTE	\$ -	\$ -	\$ -	\$ -	-	-
5700 ENV PROG SW	\$ -	\$ -	\$ -	\$ -	-	-
5800 SW GRANTS	\$ -	\$ -	\$ -	\$ -	-	-
SUB TOTAL	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>-</u>	<u>-</u>
<b>OPERATIONS &amp; MAINTENANCE</b>						
6600 MECHANICAL MAINTENANCE	\$ 1,968,826	\$ 2,093,206	\$ 2,108,667	\$ 2,153,127	2.9%	2.1%
6700 FACILITIES & UTILITIES	\$ -	\$ -	\$ -	\$ 3,154,872		
6800 ELECTRICAL MAINTENANCE	\$ 1,229,419	\$ 1,277,333	\$ 1,308,702	\$ 1,592,098	24.6%	21.7%
<b>BUSINESS SERVICES</b>						
6000 BUSINESS SERVICES	\$ 1,658,862	\$ 1,747,734	\$ 1,875,243	\$ 2,024,130	15.8%	7.9%
<b>PLANNING &amp; TECH SERVICES</b>						
7000 PLANNING & ENGINEERING	\$ 934,841	\$ 887,954	\$ 942,227	\$ 931,256	4.9%	-1.2%
7400 MANAGEMENT INFO SYS	\$ 653,838	\$ 725,094	\$ 729,033	\$ 796,070	9.8%	9.2%
7700 LAB SERVICES	\$ 794,381	\$ 872,239	\$ 948,810	\$ 989,570	13.5%	4.3%
SUB TOTAL	<u>\$ 2,383,059</u>	<u>\$ 2,485,287</u>	<u>\$ 2,620,070</u>	<u>\$ 2,716,896</u>	<u>9.3%</u>	<u>3.7%</u>
<b>TOTAL</b>	<u><u>\$ 15,852,246</u></u>	<u><u>\$ 17,396,149</u></u>	<u><u>\$ 17,889,754</u></u>	<u><u>\$ 20,377,280</u></u>	<u><u>17.1%</u></u>	<u><u>13.9%</u></u>

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Direct Wastewater Departments

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Clean Water Production 4000**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	1,100,844	1,168,597	1,174,790	1,059,509	-9.3%	-9.8%
4020 SUNDAY PREMIUM	54,534	56,415	52,882	47,146	-16.4%	-10.8%
4030 HOLIDAY PREMIUM	9,543	30,127	29,475	26,278	-12.8%	-10.8%
4040 SHIFT	12,155	11,992	11,241	9,919	-17.3%	-11.8%
4050 VACATION	83,407	102,196	103,664	85,782	-16.1%	-17.2%
4060 HOLIDAY	44,375	47,645	47,261	42,209	-11.4%	-10.7%
4070 PERSONAL LEAVE	14,792	15,882	15,754	14,070	-11.4%	-10.7%
4080 SICK	44,763	48,395	47,491	42,356	-12.5%	-10.8%
SUB TOTAL	1,364,413	1,481,249	1,482,556	1,327,270	-10.4%	-10.5%
4090 OVERTIME	112,000	112,000	150,000	133,256	19.0%	-11.2%
SUB TOTAL	1,476,413	1,593,249	1,632,556	1,460,526	-8.3%	-10.5%
4200 EMPLOYERS FICA	91,711	98,949	98,880	90,714	-8.3%	-8.3%
4210 EMPLOYERS FICA/MEDIC	21,449	23,141	23,125	21,215	-8.3%	-8.3%
4220 EMPLOYERS PERA	110,881	119,494	119,410	109,539	-8.3%	-8.3%
4240 GROUP HOSP/MED	302,333	336,453	295,637	263,409	-21.7%	-10.9%
4260 GROUP DENTAL	14,632	14,860	12,359	11,504	-22.6%	-6.9%
4280 GROUP LIFE	1,396	1,451	1,447	1,360	-6.3%	-6.0%
4300 LONG-TERM DISABILITY	3,607	3,872	3,889	3,296	-14.9%	-15.2%
4350 UNEMPLOYMENT	0	0	0	0	-	-
SUB TOTAL	546,009	598,220	554,746	501,038	-16.2%	-9.7%
<b>TOTAL PAYROLL</b>	<b>2,022,422</b>	<b>2,191,469</b>	<b>2,187,302</b>	<b>1,961,564</b>	<b>-10.5%</b>	<b>-10.3%</b>
4520 CONTRACT CLEANING	32,000	42,000	30,336	30,336	-27.8%	0.0%
4800 FUEL OIL	2,000	2,000	4,250	0	-100.0%	-100.0%
4820 NATURAL GAS	118,104	157,372	221,000	0	-100.0%	-100.0%
5000 ELECTRICITY	1,685,016	1,849,037	2,055,216	0	-100.0%	-100.0%
5200 TELEPHONE	3,370	3,370	2,434	2,274	-32.5%	-6.6%
5230 DIESEL	0	0	0	0	-	-
5240 WATER	164,522	175,603	133,051	0	-100.0%	-100.0%
5241 STORM WATER FEE	13,787	13,787	37,474	0	-100.0%	-100.0%
5710 GRIT DISPOSALS	13,030	19,266	15,103	14,102	-26.8%	-6.6%
5860 CONT SERV-OTHER	86,900	177,900	50,000	126,900	-28.7%	153.8%
5870 CONT SERV-DP MAINT	0	0	0	14,900	-	-
6000 SUPPLIES-BUILDING	23,500	24,000	31,908	26,000	8.3%	-18.5%
6010 SUPPLIES-EQUIPMENT	70,000	75,000	70,000	75,000	0.0%	7.1%
6020 SUPPLIES - FILTER MEDIA	0	0	0	0	-	-
6090 SUPPLIES-OTHER	0	0	2,024	0	-	-100.0%
6300 CHEMICALS-GENERAL	30,524	35,344	30,000	35,344	0.0%	17.8%
6310 CHEMICALS-ODOR CNTRL	0	0	0	0	-	-
6315 CHEMICALS-LIQUID OXYGEN	11,239	10,980	19,553	20,100	83.1%	2.8%
6320 CHEMICALS-SODIUM HYPOCH	425,371	457,529	643,768	1,220,728	166.8%	89.6%
6330 CHEMICALS-POLYMER THICKE	101,601	175,725	107,614	236,293	34.5%	119.6%
6335 CHEMICALS-POLYMER DEWAT	666,163	712,474	615,338	941,675	32.2%	53.0%
6360 CHEMICALS-BOILER	2,000	2,000	1,000	0	-100.0%	-100.0%
6370 CHEMICALS-DEFOAMANT	33,048	52,275	38,640	65,048	24.4%	68.3%
6410 CHEMICALS-SODIUM BISULF	2,221	2,222	2,070	2,222	0.0%	7.3%
6420 CHEMICALS-FERRIC	183,638	336,034	225,000	284,561	-15.3%	26.5%
6910 TRAINING EXPENSES	4,500	9,000	9,000	9,000	0.0%	0.0%
7800 LAUNDRY	4,200	3,874	8,549	7,200	85.9%	-15.8%
7810 ENGINEERING SERV	0	0	0	0	-	-
8000 DUES	18,000	18,000	18,000	18,000	0.0%	0.0%
8010 PUBLICATIONS	500	500	500	500	0.0%	0.0%
8250 DISCOUNTS	0	0	0	0	-	-
<b>TOTAL NON-PAYROLL</b>	<b>3,695,234</b>	<b>4,355,292</b>	<b>4,371,828</b>	<b>3,130,183</b>	<b>-28.1%</b>	<b>-28.4%</b>
<b>TOTAL</b>	<b>5,717,656</b>	<b>6,546,761</b>	<b>6,559,130</b>	<b>5,091,747</b>	<b>-22.2%</b>	<b>-22.4%</b>

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Conveyance 4200**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	279,495	300,218	283,294	285,152	-5.0%	0.7%
4020 SUNDAY PREMIUM	0	0	0	0	-	-
4030 HOLIDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	550	565	596	596	5.4%	0.0%
4050 VACATION	29,922	35,589	35,467	32,111	-9.8%	-9.5%
4060 HOLIDAY	11,656	12,662	12,015	11,951	-5.6%	-0.5%
4070 PERSONAL LEAVE	3,885	4,221	4,005	3,984	-5.6%	-0.5%
4080 SICK	11,780	13,093	12,324	12,048	-8.0%	-2.2%
SUB TOTAL	337,288	366,348	347,701	345,840	-5.6%	-0.5%
4090 OVERTIME	35,000	35,000	35,000	40,000	14.3%	14.3%
SUB TOTAL	372,288	401,348	382,701	385,840	-3.9%	0.8%
4200 EMPLOYERS FICA	23,119	24,915	23,627	23,959	-3.8%	1.4%
4210 EMPLOYERS FICA/MEDIC	5,407	5,827	5,526	5,603	-3.8%	1.4%
4220 EMPLOYERS PERA	27,922	30,101	28,543	28,938	-3.9%	1.4%
4240 GROUP HOSP/MED	105,487	111,925	100,143	\$107,954	-3.5%	7.8%
4260 GROUP DENTAL	4,348	4,625	4,141	4,765	3.0%	15.1%
4280 GROUP LIFE	339	346	324	365	5.4%	12.6%
4300 LONG-TERM DISABILITY	943	1,024	972	915	-10.7%	-5.9%
SUB TOTAL	167,565	178,763	163,276	172,499	-3.5%	5.6%
<b>TOTAL PAYROLL</b>	<b>539,853</b>	<b>580,111</b>	<b>545,977</b>	<b>558,339</b>	<b>-3.8%</b>	<b>2.3%</b>
4820 FUEL-NATURAL GAS	4,500	4,120	4,500	5,689	38.1%	26.4%
5000 ELECTRICITY	1,000,013	1,093,088	1,239,000	1,321,787	20.9%	6.7%
5200 TELEPHONE	4,000	4,800	4,800	4,800	0.0%	0.0%
5210 TELEMETER	110,000	112,500	112,500	115,000	2.2%	2.2%
5230 DIESEL	4,500	4,500	4,500	5,000	11.1%	11.1%
5240 WATER	22,000	15,000	26,000	15,000	0.0%	-42.3%
5241 STORM WATER FEE		200	641	600	200.0%	-6.4%
5570 REPAIRS-INTERCEPTORS	20,000	40,000	70,000	40,000	0.0%	-42.9%
5580 CLEAN-INTERCEPTORS	43,922	150,000	150,000	165,000	10.0%	10.0%
5805 CONT SERV-BIOFILTER	0	10,000	0	10,000	0.0%	-
5860 CONT SERV-OTHER	10,000	10,000	6,000	10,000	0.0%	66.7%
5870 CONT SERV-DP MAINT	0	0	0	5,485	-	-
6000 SUPPLIES-BUILDING	0	1,000	500	1,000	0.0%	100.0%
6010 SUPPLIES-EQUIPMENT	22,000	25,000	25,000	25,000	0.0%	0.0%
6090 SUPPLIES-OTHER	0	0	0	0	-	-
6120 SUPPLIES SITE	0	0	0	0	-	-
6370 CHEMICALS-DEFOAMANT	0	0	5,000	1,000	-	-80.0%
6910 TRAINING EXPENSES	3,000	5,000	6,000	8,000	60.0%	33.3%
7200 EASEMENTS	20,000	25,000	25,000	25,000	0.0%	0.0%
7800 LAUNDRY	2,000	2,000	2,000	2,000	0.0%	0.0%
8250 DISCOUNTS	0	0	0	0	-	-
<b>TOTAL NON-PAYROLL</b>	<b>1,265,935</b>	<b>1,502,208</b>	<b>1,681,441</b>	<b>1,760,361</b>	<b>17.2%</b>	<b>4.7%</b>
<b>TOTAL</b>	<b>1,805,788</b>	<b>2,082,319</b>	<b>2,227,418</b>	<b>2,318,700</b>	<b>11.4%</b>	<b>4.1%</b>

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Biosolids 4300**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	420,716	425,400	385,492	451,156	6.1%	17.0%
4040 SHIFT	0	21	41	49	132.9%	20.0%
4050 VACATION	41,264	40,090	39,506	43,190	7.7%	9.3%
4060 HOLIDAY	17,277	17,353	15,727	18,337	5.7%	16.6%
4070 PERSONAL LEAVE	5,759	5,784	5,242	6,112	5.7%	16.6%
4080 SICK	16,033	16,048	14,066	16,653	3.8%	18.4%
SUB TOTAL	501,049	504,696	460,073	535,497	6.1%	16.4%
4090 OVERTIME	10,000	13,000	13,000	13,000	0.0%	0.0%
SUB TOTAL	511,049	517,696	473,073	548,497	5.9%	15.9%
4200 EMPLOYERS FICA	31,821	32,234	29,360	34,143	5.9%	16.3%
4210 EMPLOYERS FICA/MEDIC	7,442	7,539	6,866	7,985	5.9%	16.3%
4220 EMPLOYERS PERA	38,479	38,827	35,351	41,137	6.0%	16.4%
4240 GROUP HOSP/MED	158,611	167,298	143,735	178,250	6.5%	24.0%
4260 GROUP DENTAL	6,686	6,992	6,024	7,940	13.6%	31.8%
4280 GROUP LIFE	657	665	629	756	13.6%	20.2%
4300 LONG-TERM DISABILITY	1,403	1,413	1,288	1,419	0.4%	10.2%
4350 UNEMPLOYMENT	0	0	0	0	-	-
SUB TOTAL	245,099	254,968	223,253	271,630	6.5%	21.7%
<b>TOTAL PAYROLL</b>	<b>756,148</b>	<b>772,664</b>	<b>696,326</b>	<b>820,127</b>	<b>6.1%</b>	<b>17.8%</b>
4820 FUEL-NATURAL GAS	3,000	3,000	3,845	3,500	16.7%	-9.0%
5000 ELECTRICITY	1,000	1,000	1,193	1,250	25.0%	4.8%
5200 TELEPHONE	1,300	1,300	1,298	1,300	0.0%	0.2%
5230 DIESEL	70,436	84,525	148,202	147,919	75.0%	-0.2%
5850 CONT SERV-LAND APPLICA			0		-	-
5852 CONT SERV-FIELD WORK	2,000	4,000	7,867	8,000	100.0%	1.7%
5860 CONT SERV-OTHER	15,000	15,000	15,000	15,000	0.0%	0.0%
6000 SUPPLIES-BUILDING	200	200	350	240	20.0%	-31.4%
6010 SUPPLIES-EQUIP	15,000	15,000	10,000	10,000	-33.3%	0.0%
6090 SUPPLIES-OTHER	500	500	500	500	0.0%	0.0%
6110 SUPPLIES-SAFETY	600	600	766	766	27.7%	0.0%
6910 TRAINING EXPENSES	5,000	5,000	5,000	5,000	0.0%	0.0%
7210 RENT-EQUIPMENT			0		-	-
7400 TRAVEL	0	0	0		-	-
7800 LAUNDRY	1,847	1,847	4,123	4,123	123.2%	0.0%
8000 DUES	200	200	408	408	104.0%	0.0%
8010 PUBLICATIONS	0	0	0	0	-	-
8250 DISCOUNTS	0	0	0	0	-	-
<b>TOTAL NON-PAYROLL</b>	<b>116,083</b>	<b>132,172</b>	<b>198,552</b>	<b>198,006</b>	<b>49.8%</b>	<b>-0.3%</b>
<b>TOTAL</b>	<b>872,231</b>	<b>904,836</b>	<b>894,878</b>	<b>1,018,133</b>	<b>12.5%</b>	<b>13.8%</b>

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Environmental Programs Wastewater 4700**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	97,703	117,389	136,009	129,107	10.0%	-5.1%
4020 SUNDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	55	0	0	0	-	-
4050 VACATION	7,083	8,360	9,728	8,842	5.8%	-9.1%
4060 HOLIDAY	3,838	4,599	5,240	4,955	7.7%	-5.4%
4070 PERSONAL LEAVE	1,279	1,533	1,747	1,652	7.7%	-5.4%
4080 SICK	2,855	3,666	4,320	4,257	16.1%	-1.5%
SUB TOTAL	112,813	135,547	157,043	148,812	9.8%	-5.2%
4090 OVERTIME	3,000	6,000	6,000	6,000	0.0%	0.0%
SUB TOTAL	115,813	141,547	163,043	154,812	9.4%	-5.0%
4200 EMPLOYERS FICA	7,236	8,832	10,237	9,654	9.3%	-5.7%
4210 EMPLOYERS FICA/MEDIC	1,692	2,065	2,394	2,258	9.3%	-5.7%
4220 EMPLOYERS PERA	8,754	10,616	12,315	11,611	9.4%	-5.7%
4240 GROUP HOSP/MED	13,002	21,344	39,227	48,956	129.4%	24.8%
4260 GROUP DENTAL	664	947	1,654	2,144	126.5%	29.7%
4280 GROUP LIFE	202	226	239	224	-0.7%	-6.2%
4300 LONG-TERM DISABILITY	316	380	440	394	3.8%	-10.3%
SUB TOTAL	31,866	44,410	66,505	75,242	69.4%	13.1%
<b>TOTAL PAYROLL</b>	<b>147,679</b>	<b>185,957</b>	<b>229,548</b>	<b>230,053</b>	<b>23.7%</b>	<b>0.2%</b>
5200 TELEPHONE	210	210	211	210	0.0%	-0.5%
5845 CONT SERV-GRANT	6,813	10,863	0	7,750	-28.7%	-
5860 CONT SERV-OTHER	0	0	10,863	3,000	-	-72.4%
5880 CONT SERV-AD AGENCY	4,000	4,400	4,400	3,900	-11.4%	-11.4%
6010 SUPPLIES-EQUIPMENT	500	500	500	500	0.0%	0.0%
6090 SUPPLIES-OTHER	3,450	3,450	9,000	4,750	37.7%	-47.2%
6910 TRAINING EXPENSES	1,135	3,090	3,500	4,240	37.2%	21.1%
7020 PUBLIC INFORMATION	18,538	21,200	21,200	26,670	25.8%	25.8%
7030 PUBLIC INFORMATION-RECY	0	0	0	0	-	-
7040 PUBLIC INFORMATION-HHW	0	0	0	0	-	-
7400 TRAVEL	0	0	0	0	-	-
7800 LAUNDRY	50	50	60	50	0.0%	-16.7%
8000 DUES	730	878	878	878	0.0%	0.0%
8010 PUBLICATIONS	0	0	10	0	-	-100.0%
8200 POSTAGE	750	650	650	750	15.4%	15.4%
8210 COPYING & PRINTING	5,925	5,200	5,200	6,200	19.2%	19.2%
8250 DISCOUNTS	0	0	0	0	-	-
8600 GRANTS TO GOV UNITS	16,500	12,600	0	10,000	-20.6%	-
8620 PROGRAM DEVELOPMENT	10,125	9,625	9,625	8,625	-10.4%	-10.4%
8625 PROGRAM DEV GRANT	0	0	0	0	-	-
<b>TOTAL NON-PAYROLL</b>	<b>68,726</b>	<b>72,716</b>	<b>66,097</b>	<b>77,523</b>	<b>6.6%</b>	<b>17.3%</b>
<b>TOTAL</b>	<b>216,405</b>	<b>258,673</b>	<b>295,645</b>	<b>307,576</b>	<b>18.9%</b>	<b>4.0%</b>

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Allocated Departments

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Business Services 6000**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	786,673	840,980	884,001	940,785	11.9%	6.4%
4040 SHIFT	0	0	0	0	-	-
4050 VACATION	77,658	87,057	89,891	92,738	6.5%	3.2%
4060 HOLIDAY	32,098	34,318	35,856	38,084	11.0%	6.2%
4070 PERSONAL LEAVE	10,699	11,439	11,952	12,695	11.0%	6.2%
4080 SICK	20,222	22,496	23,275	25,468	13.2%	9.4%
SUB TOTAL	927,350	996,290	1,044,975	1,109,770	11.4%	6.2%
4090 OVERTIME	10,000	10,000	7,000	10,000	0.0%	42.9%
SUB TOTAL	937,350	1,006,290	1,051,975	1,119,770	11.3%	6.4%
4200 EMPLOYERS FICA	58,736	63,010	66,047	70,046	11.2%	6.1%
4210 EMPLOYERS FICA/MEDIC	13,737	14,736	15,446	16,382	11.2%	6.1%
4220 EMPLOYERS PERA	71,051	75,472	79,145	83,983	11.3%	6.1%
4240 GROUP HOSP/MED	223,155	231,637	261,511	297,401	28.4%	13.7%
4260 GROUP DENTAL	10,474	10,971	11,993	14,370	31.0%	19.8%
4280 GROUP LIFE	2,025	2,086	2,166	2,360	13.1%	9.0%
4300 LONG-TERM DISABILITY	2,597	2,790	2,926	2,941	5.4%	0.5%
4340 WORKERS COMP	190,000	180,000	180,000	180,000	0.0%	0.0%
4350 UNEMPLOYMENT COMP	0	0	0	0	-	-
4390 OTHER BENEFITS	32,000	32,000	32,000	32,000	0.0%	0.0%
SUB TOTAL	603,775	612,702	651,234	699,483	14.2%	7.4%
<b>TOTAL PAYROLL</b>	<b>1,541,125</b>	<b>1,618,992</b>	<b>1,703,209</b>	<b>1,819,253</b>	<b>12.4%</b>	<b>6.8%</b>
4500 CONTRACT LABOR	0	0	0	0	-	-
4520 CONTRACT CLEANING	39,305	39,600	40,236	39,600	0.0%	-1.6%
5000 ELECTRICITY	49,062	62,299	69,700	76,301	22.5%	9.5%
5200 TELEPHONE	17,400	21,300	21,300	21,300	0.0%	0.0%
5220 GASOLINE	20,250	23,100	30,800	35,700	54.5%	15.9%
5860 CONT SERV-OTHER	38,602	42,886	46,519	104,641	144.0%	124.9%
5870 CONT SERV-DP MAINT	232,701	236,103	236,103	228,546	-3.2%	-3.2%
5875 CONT SERV-SERV FEE	45,650	45,650	46,000	45,800	0.3%	-0.4%
6070 SUPPLIES-OFFICE	4,500	4,500	5,200	4,500	0.0%	-13.5%
6090 SUPPLIES-OTHER	4,500	4,500	12,000	4,500	0.0%	-62.5%
6140 SUPPLIES-TRAINING	0	0	0	0	-	-
6560 INSURANCE-PROPERTY/LIAB	170,000	175,000	201,250	225,000	28.6%	11.8%
6700 LEGAL	150,000	150,000	175,000	150,000	0.0%	-14.3%
6750 AUDIT	33,300	36,250	36,250	38,260	5.5%	5.5%
6900 SAFETY PROGRAM	80,339	84,025	98,000	97,225	15.7%	-0.8%
6905 TRAINING MATERIALS	500	500	500	500	0.0%	0.0%
6910 TRAINING EXPENSES	3,000	3,000	8,300	36,000	1100.0%	333.7%
6920 TRAINING-TRAVEL	0	250	835	250	0.0%	-70.1%
6930 PERSONNEL	5,000	10,000	15,000	13,000	30.0%	-13.3%
6940 LICENSE REIMBURSE	1,000	1,500	1,500	1,500	0.0%	0.0%
6950 TUITION REIMBURSE	4,000	4,000	4,000	10,500	162.5%	162.5%
7000 OTHER SPECIAL SERV	66,100	66,100	67,000	94,000	42.2%	40.3%
7010 BOARD MEMBERS COMP	12,500	17,500	17,500	20,000	14.3%	14.3%
7020 PUBLIC INFORMATION	0	0	0	0	-	-
7220 RENT-MOTOR VEHICLE	1,000	1,000	1,000	1,000	0.0%	0.0%
7300 MEETING EXPENSES	2,500	6,500	6,500	6,500	0.0%	0.0%
7400 TRAVEL	500	500	250	500	0.0%	100.0%
8000 DUES	15,000	15,000	16,700	20,000	33.3%	19.8%
8010 PUBLICATIONS	4,000	5,000	6,000	5,000	0.0%	-16.7%
8200 POSTAGE	12,500	16,000	22,000	20,000	25.0%	-9.1%
8210 COPYING & PRINTING	16,000	17,000	17,000	17,000	0.0%	0.0%
8250 DISCOUNTS	0	0	0	0	-	-
8500 BANK SERV CHARGE	350	350	350	350	0.0%	0.0%
<b>TOTAL NON-PAYROLL</b>	<b>1,029,559</b>	<b>1,089,413</b>	<b>1,202,793</b>	<b>1,317,473</b>	<b>20.9%</b>	<b>9.5%</b>
<b>TOTAL</b>	<b>2,570,684</b>	<b>2,708,405</b>	<b>2,906,002</b>	<b>3,136,727</b>	<b>15.8%</b>	<b>7.9%</b>



**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Total Maintenance Mechanical (6600) & Electrical (6800)**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>6600 &amp; 6800</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>BUDGET</b>	<b>BUDG 23/</b>	<b>BUDG 23/</b>
				<b>2023</b>	<b>BUDG 2022</b>	<b>EST 2022</b>
4010 DIRECT WAGES	1,345,847	1,408,846	1,476,146	1,515,179	12.6%	2.6%
4020 SUNDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	111	538	131	135	21.7%	3.3%
4050 VACATION	96,541	115,019	127,089	128,413	33.0%	1.0%
4060 HOLIDAY	53,890	57,135	59,382	60,989	13.2%	2.7%
4070 PERSONAL LEAVE	17,964	19,045	19,794	20,330	13.2%	2.7%
4080 SICK	53,428	57,088	58,765	60,792	13.8%	3.4%
SUB TOTAL	1,567,781	1,657,671	1,741,307	1,785,838	13.9%	2.6%
4090 OVERTIME	50,000	55,000	31,000	47,500	-5.0%	53.2%
SUB TOTAL	1,617,781	1,712,671	1,772,307	1,833,338	13.3%	3.4%
4200 EMPLOYERS FICA	100,575	106,446	111,719	113,915	13.3%	2.0%
4210 EMPLOYERS FICA/MEDIC	23,522	24,894	26,128	26,641	13.3%	2.0%
4220 EMPLOYERS PERA	121,663	128,450	134,829	137,500	13.0%	2.0%
4240 GROUP HOSP/MED	414,120	430,705	400,832	443,200	7.0%	10.6%
4260 GROUP DENTAL	17,033	16,777	16,616	19,202	12.7%	15.6%
4280 GROUP LIFE	1,759	1,821	1,907	2,029	15.4%	6.4%
4300 LONG-TERM DISABILITY	4,389	4,640	4,875	4,732	7.8%	-2.9%
4350 UNEMPLOYMENT					-	
SUB TOTAL	683,061	713,733	696,906	747,220	9.4%	7.2%
<b>TOTAL PAYROLL</b>	<b>2,300,842</b>	<b>2,426,404</b>	<b>2,469,214</b>	<b>2,580,557</b>	<b>12.2%</b>	<b>4.5%</b>
4500 CONTRACT LABOR	0	0	0	0	-	-
5200 TELEPHONE	4,300	5,900	3,800	8,300	93.0%	118.4%
5230 DIESEL	1,700	1,800	2,000	3,000	76.5%	50.0%
5510 INVOICE TOLERANCE	0	0	0	0	-	
5512 INVOICE MATCH WRITE OFF	0	0	18	0	-	-100.0%
5520 REPAIRS-MAINTENANCE	618,000	649,000	626,000	631,000	2.1%	0.8%
5525 INVENTORY ADJUSTMENTS	0	0	2,782	0	-	-100.0%
5530 INVENTORY COST VARIANCE	0	0	242	0	-	-100.0%
5800 CONT SERV-ELECTRIC	30,000	30,000	30,000	36,000	20.0%	20.0%
5820 CONT SERV-O&M PLANT	100,000	110,000	100,000	130,500	30.5%	30.5%
5835 CONT SERV-GENERATORS	33,000	35,200	28,000	40,000	21.2%	42.9%
5840 CONT SERV-MOBILE	130,000	140,000	150,000	170,000	30.8%	13.3%
5860 CONT SERV-OTHER	112,000	112,000	111,500	111,500	-0.4%	0.0%
5895 MNSHARP REPAIR EXPENSE	0	0	0	0	-	-
6050 SUPPLIES-LUBE	15,500	15,000	15,000	20,000	29.0%	33.3%
6060 SUPPLIES-MAINTENANCE	50,000	52,000	80,000	70,000	40.0%	-12.5%
6090 SUPPLIES-OTHER	0	0	550	0	-	-100.0%
6110 SUPPLIES-SAFETY	6,700	7,700	11,100	66,500	892.5%	499.1%
6130 SUPPLIES-TOOLS	19,000	19,000	27,500	22,000	15.8%	-20.0%
6910 TRAINING EXPENSES	12,000	15,000	7,600	15,500	29.2%	103.9%
7210 RENT-EQUIPMENT	1,000	1,000	1,000	17,500	1650.0%	1650.0%
7800 LAUNDRY	12,200	13,000	17,200	18,490	51.6%	7.5%
8020 PERMITS	2,000	1,000	990	1,000	-50.0%	1.0%
8250 DISCOUNTS	0	0	0	0	-	-
<b>TOTAL NON-PAYROLL</b>	<b>1,147,400</b>	<b>1,207,600</b>	<b>1,215,282</b>	<b>1,361,290</b>	<b>18.6%</b>	<b>12.0%</b>
<b>TOTAL</b>	<b>3,448,242</b>	<b>3,634,004</b>	<b>3,684,496</b>	<b>3,941,847</b>	<b>14.3%</b>	<b>7.0%</b>

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Mechanical Maintenance 6600**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	718,771	776,954	812,710	793,103	2.1%	-2.4%
4020 SUNDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	61	192	53	53	-72.3%	0.0%
4050 VACATION	45,911	57,661	64,616	62,490	8.4%	-3.3%
4060 HOLIDAY	28,613	31,360	32,456	31,730	1.2%	-2.2%
4070 PERSONAL LEAVE	9,538	10,453	10,819	10,577	1.2%	-2.2%
4080 SICK	28,681	31,738	32,518	32,098	1.1%	-1.3%
SUB TOTAL	831,575	908,358	953,170	930,050	2.4%	-2.4%
4090 OVERTIME	30,000	35,000	20,000	30,000	-14.3%	50.0%
SUB TOTAL	861,575	943,358	973,170	960,050	1.8%	-1.3%
4200 EMPLOYERS FICA	53,554	58,618	61,444	59,635	1.7%	-2.9%
4210 EMPLOYERS FICA/MEDIC	12,525	13,709	14,370	13,947	1.7%	-2.9%
4220 EMPLOYERS PERA	64,783	70,752	74,170	72,004	1.8%	-2.9%
4240 GROUP HOSP/MED	234,575	232,815	217,879	228,261	-2.0%	4.8%
4260 GROUP DENTAL	9,461	9,356	8,791	9,565	2.2%	8.8%
4280 GROUP LIFE	922	975	1,021	1,035	6.2%	1.4%
4300 LONG-TERM DISABILITY	2,328	2,543	2,669	2,464	-3.1%	-7.7%
4350 UNEMPLOYMENT	0	0	0	0	-	-
SUB TOTAL	378,148	388,768	380,343	386,911	-0.5%	1.7%
<b>TOTAL PAYROLL</b>	<b>1,239,723</b>	<b>1,332,126</b>	<b>1,353,514</b>	<b>1,346,961</b>	<b>1.1%</b>	<b>-0.5%</b>
4500 CONTRACT LABOR	0	0	0		-	-
5200 TELEPHONE	2,300	2,400	1,300	2,400	0.0%	84.6%
5230 DIESEL	1,700	1,800	2,000	3,000	66.7%	50.0%
5510 INVOICE TOLERANCE	0	0	0	0	-	-
5512 INVOICE MATCH WRITE OFF	0	0	18	0	-	-100.0%
5520 REPAIRS-MAINTENANCE	442,000	470,000	450,000	450,000	-4.3%	0.0%
5525 INVENTORY ADJUSTMENTS	0	0	2,782	0	-	-100.0%
5530 INVENTORY COST VARIANCE	0	0	242	0	-	-100.0%
5800 CONT SERV-ELECTRIC	0	0	0	0	-	-
5820 CONT SERV-O&M PLANT	100,000	110,000	100,000	130,500	18.6%	30.5%
5840 CONT SERV-MOBILE	130,000	140,000	150,000	170,000	21.4%	13.3%
5860 CONT SERV-OTHER	110,000	110,000	110,000	110,000	0.0%	0.0%
5895 MNSHARP REPAIR EXPENSE	0	0	0		-	-
6050 SUPPLIES-LUBE	15,500	15,000	15,000	20,000	33.3%	33.3%
6060 SUPPLIES-MAINTENANCE	45,000	40,000	50,000	50,000	25.0%	0.0%
6090 SUPPLIES-OTHER	0	0	550		-	-100.0%
6110 SUPPLIES-SAFETY	5,500	6,500	8,500	8,500	30.8%	0.0%
6130 SUPPLIES-TOOLS	15,000	15,000	15,000	15,000	0.0%	0.0%
6910 TRAINING EXPENSES	7,000	5,000	2,000	5,000	0.0%	150.0%
7210 RENT-EQUIPMENT	1,000	1,000	1,000	2,500	150.0%	150.0%
7800 LAUNDRY	8,000	8,000	11,000	10,000	25.0%	-9.1%
8020 PERMITS	0	0	590	0	-	-100.0%
8250 DISCOUNTS	0	0	0	0	-	-
<b>TOTAL NON-PAYROLL</b>	<b>883,000</b>	<b>924,700</b>	<b>919,982</b>	<b>976,900</b>	<b>5.6%</b>	<b>6.2%</b>
<b>TOTAL</b>	<b>2,122,723</b>	<b>2,256,826</b>	<b>2,273,496</b>	<b>2,323,861</b>	<b>3.0%</b>	<b>2.2%</b>

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Facilities & Utilities 6700**

	ACTUAL	BUDGET	ESTIMATE	BUDGET	% CHANGE	% CHANGE
	2021	2022	2022	2023	BUDG 23/ BUDG 2022	BUDG 23/ EST 2022
4010 DIRECT WAGES				208,341	-	-
4020 SUNDAY PREMIUM				9,462	-	-
4030 HOLIDAY PREMIUM				5,274	-	-
4040 SHIFT				1,984	-	-
4050 VACATION				22,951	-	-
4060 HOLIDAY				8,680	-	-
4070 PERSONAL LEAVE				2,893	-	-
4080 SICK				8,547	-	-
SUB TOTAL	0	0	0	268,132	-	-
4090 OVERTIME				26,744	-	-
SUB TOTAL	0	0	0	294,876	-	-
4200 EMPLOYERS FICA				18,320	-	-
4210 EMPLOYERS FICA/MEDIC				4,284	-	-
4220 EMPLOYERS PERA				22,116	-	-
4240 GROUP HOSP/MED				82,848	-	-
4260 GROUP DENTAL				3,665	-	-
4280 GROUP LIFE				293	-	-
4300 LONG-TERM DISABILITY				666	-	-
4350 UNEMPLOYMENT				0	-	-
SUB TOTAL	0	0	0	132,192	-	-
<b>TOTAL PAYROLL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>427,068</b>	-	-
4520 CONTRACT CLEANING				0	-	-
4800 FUEL OIL				2,000	-	-
4820 NATURAL GAS				240,867	-	-
5000 ELECTRICITY				2,271,053	-	-
5200 TELEPHONE				160	-	-
5230 DIESEL				0	-	-
5240 WATER				162,924	-	-
5241 STORM WATER FEE				37,000	-	-
5710 GRIT DISPOSALS				0	-	-
5860 CONT SERV-OTHER				11,000	-	-
5870 CONT SERV-DP MAINT				0	-	-
6000 SUPPLIES-BUILDING				0	-	-
6010 SUPPLIES-EQUIPMENT				0	-	-
6020 SUPPLIES - FILTER MEDIA				0	-	-
6090 SUPPLIES-OTHER				0	-	-
6300 CHEMICALS-GENERAL				0	-	-
6310 CHEMICALS-ODOR CNTRL				0	-	-
6315 CHEMICALS-LIQUID OXYGEN				0	-	-
6320 CHEMICALS-SODIUM HYPOCHLORITE				0	-	-
6330 CHEMICALS-POLYMER THICKENING				0	-	-
6335 CHEMICALS-POLYMER DEWATERING				0	-	-
6360 CHEMICALS-BOILER				2,000	-	-
6370 CHEMICALS-DEFOAMANT				0	-	-
6410 CHEMICALS-SODIUM BISULF				0	-	-
6420 CHEMICALS-FERRIC				0	-	-
6910 TRAINING EXPENSES				0	-	-
7800 LAUNDRY				800	-	-
7810 ENGINEERING SERV				0	-	-
8000 DUES				0	-	-
8010 PUBLICATIONS				0	-	-
8250 DISCOUNTS				0	-	-
<b>TOTAL NON-PAYROLL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,727,804</b>	-	-
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,154,872</b>	-	-

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Electrical Maintenance 6800**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	627,076	631,892	663,437	722,077	14.3%	8.8%
4020 SUNDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	50	346	78	82	-76.3%	5.5%
4050 VACATION	50,630	57,358	62,474	65,924	14.9%	5.5%
4060 HOLIDAY	25,277	25,775	26,926	29,258	13.5%	8.7%
4070 PERSONAL LEAVE	8,426	8,592	8,975	9,753	13.5%	8.7%
4080 SICK	24,747	25,350	26,247	28,695	13.2%	9.3%
SUB TOTAL	736,206	749,313	788,137	855,788	14.2%	8.6%
4090 OVERTIME	20,000	20,000	11,000	17,500	-12.5%	59.1%
SUB TOTAL	756,206	769,313	799,137	873,288	13.5%	9.3%
4200 EMPLOYERS FICA	47,021	47,828	50,275	54,280	13.5%	8.0%
4210 EMPLOYERS FICA/MEDIC	10,997	11,185	11,758	12,695	13.5%	8.0%
4220 EMPLOYERS PERA	56,880	57,698	60,659	65,497	13.5%	8.0%
4240 GROUP HOSP/MED	179,545	197,890	182,953	214,938	8.6%	17.5%
4260 GROUP DENTAL	7,572	7,421	7,824	9,637	29.9%	23.2%
4280 GROUP LIFE	837	846	886	994	17.5%	12.2%
4300 LONG-TERM DISABILITY	2,061	2,097	2,207	2,268	8.1%	2.8%
SUB TOTAL	304,913	324,965	316,563	360,308	10.9%	13.8%
<b>TOTAL PAYROLL</b>	<b>1,061,119</b>	<b>1,094,278</b>	<b>1,115,700</b>	<b>1,233,596</b>	<b>12.7%</b>	<b>10.6%</b>
4500 CONTRACT LABOR	0	0	0	0	-	-
5200 TELEPHONE	2,000	3,500	2,500	5,900	68.6%	136.0%
5520 REPAIRS-MAINTENANCE	176,000	179,000	176,000	181,000	1.1%	2.8%
5800 CONT SERV-ELECTRIC	30,000	30,000	30,000	36,000	20.0%	20.0%
5835 CONT SERV-GENERATORS	33,000	35,200	28,000	40,000	13.6%	42.9%
5860 CONT SERV-OTHER	2,000	2,000	1,500	1,500	-25.0%	0.0%
5895 MNHARP REPAIR EXPENSE	0	0	0	0	-	-
6060 SUPPLIES-MAINTENANCE	5,000	12,000	30,000	20,000	66.7%	-33.3%
6090 SUPPLIES-OTHER	0	0	0	0	-	-
6110 SUPPLIES-SAFETY	1,200	1,200	2,600	58,000	4733.3%	2130.8%
6130 SUPPLIES-TOOLS	4,000	4,000	12,500	7,000	75.0%	-44.0%
6910 TRAINING EXPENSES	5,000	10,000	5,600	10,500	5.0%	87.5%
7210 RENT-EQUIPMENT	0	0	0	15,000	-	-
7800 LAUNDRY	4,200	5,000	6,200	8,490	69.8%	36.9%
8020 PERMITS	2,000	1,000	400	1,000	0.0%	150.0%
8250 DISCOUNTS	0	0	0	0	-	-
<b>TOTAL NON-PAYROLL</b>	<b>264,400</b>	<b>282,900</b>	<b>295,300</b>	<b>384,390</b>	<b>35.9%</b>	<b>30.2%</b>
<b>TOTAL</b>	<b>1,325,519</b>	<b>1,377,178</b>	<b>1,411,000</b>	<b>1,617,986</b>	<b>17.5%</b>	<b>14.7%</b>

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Planning & Engineering 7000**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	709,984	686,030	716,033	696,023	1.5%	-2.8%
4040 SHIFT	88	86	156	156	80.9%	0.0%
4050 VACATION	65,738	65,792	70,050	67,863	3.1%	-3.1%
4060 HOLIDAY	29,022	28,159	29,246	28,427	1.0%	-2.8%
4070 PERSONAL LEAVE	9,674	9,386	9,749	9,476	1.0%	-2.8%
4080 SICK	25,823	25,603	26,330	25,950	1.4%	-1.4%
SUB TOTAL	840,329	815,056	851,563	827,895	1.6%	-2.8%
4090 OVERTIME	12,000	16,000	27,000	16,000	0.0%	-40.7%
SUB TOTAL	852,329	831,056	878,563	843,895	1.5%	-3.9%
4200 EMPLOYERS FICA	51,991	52,162	53,478	53,056	1.7%	-0.8%
4210 EMPLOYERS FICA/MEDIC	12,417	12,102	12,638	12,284	1.5%	-2.8%
4220 EMPLOYERS PERA	64,225	62,329	65,097	63,292	1.5%	-2.8%
4240 GROUP HOSP/MED	245,319	201,045	215,982	226,335	12.6%	4.8%
4260 GROUP DENTAL	10,257	8,551	9,116	10,135	18.5%	11.2%
4280 GROUP LIFE	1,108	1,031	1,081	1,082	5.0%	0.1%
4300 LONG-TERM DISABILITY	2,353	2,282	2,384	2,194	-3.9%	-8.0%
SUB TOTAL	387,670	339,502	359,777	368,379	8.5%	2.4%
<b>TOTAL PAYROLL</b>	<b>1,239,999</b>	<b>1,170,558</b>	<b>1,238,339</b>	<b>1,212,274</b>	<b>3.6%</b>	<b>-2.1%</b>
5200 TELEPHONE	3,000	4,800	3,500	4,000	-16.7%	14.3%
5210 TELEMETERING		480	480	480	0.0%	0.0%
5870 CONT SERV-DP MAINT		0	0	15,500	-	-
6010 SUPPLIES-EQUIPMENT			0		-	-
6070 SUPPLIES-OFFICE	0		0		-	-
6090 SUPPLIES-OTHER	700	1,400	2,000	2,000	42.9%	0.0%
6910 TRAINING EXPENSES	10,000	10,000	10,000	10,000	0.0%	0.0%
7800 LAUNDRY	900	300	300	1,000	233.3%	233.3%
7810 ENGINEERING SERVICES	2,000	2,000	2,000	2,000	0.0%	0.0%
7900 SOLID WASTE MANAGEMENT F	0	0	0		-	-
8000 DUES	1,500	3,200	3,200	4,000	25.0%	25.0%
8010 PUBLICATIONS	200	200	160	200	0.0%	25.0%
8600 WASTEWATER PLANNING GRA	5,000	7,000	13,300	7,000	0.0%	-47.4%
<b>TOTAL NON-PAYROLL</b>	<b>23,300</b>	<b>29,380</b>	<b>34,940</b>	<b>46,180</b>	<b>57.2%</b>	<b>32.2%</b>
<b>TOTAL</b>	<b>1,263,299</b>	<b>1,199,938</b>	<b>1,273,279</b>	<b>1,258,454</b>	<b>4.9%</b>	<b>-1.2%</b>

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Management Information Services 7400**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	325,670	339,131	342,371	366,105	8.0%	6.9%
4020 SUNDAY PREMIUM	346	143	0	0	-100.0%	-
4040 SHIFT	48	104	379	463	345.0%	22.2%
4050 VACATION	22,834	30,481	29,381	30,331	-0.5%	3.2%
4060 HOLIDAY	13,061	13,857	13,930	14,839	7.1%	6.5%
4070 PERSONAL LEAVE	4,354	4,619	4,643	4,946	7.1%	6.5%
4080 SICK	11,748	12,237	12,108	13,146	7.4%	8.6%
SUB TOTAL	378,061	400,572	402,813	429,830	7.3%	6.7%
4090 OVERTIME	9,600	13,500	10,000	13,500	0.0%	35.0%
SUB TOTAL	387,661	414,072	412,813	443,330	7.1%	7.4%
4200 EMPLOYERS FICA	24,159	31,183	31,245	33,114	6.2%	6.0%
4210 EMPLOYERS FICA/MEDIC	5,650	6,036	6,065	6,459	7.0%	6.5%
4220 EMPLOYERS PERA	29,225	31,055	31,207	33,250	7.1%	6.5%
4240 GROUP HOSP/MED	91,529	90,299	105,235	124,030	37.4%	17.9%
4260 GROUP DENTAL	4,007	3,926	4,491	5,584	42.2%	24.4%
4280 GROUP LIFE	507	549	571	628	14.4%	10.0%
4300 LONG-TERM DISABILITY	1,057	1,121	1,127	1,138	1.5%	1.0%
SUB TOTAL	156,134	164,169	179,942	204,204	24.4%	13.5%
<b>TOTAL PAYROLL</b>	<b>543,795</b>	<b>578,241</b>	<b>592,754</b>	<b>647,534</b>	<b>12.0%</b>	<b>9.2%</b>
5200 TELEPHONE	3,600	4,869	3,780	3,780	-22.4%	0.0%
5210 TELEMETER	44,220	46,817	50,406	48,413	3.4%	-4.0%
5813 CONT SERV-DISP ELECTRONIC	0	0	0		-	-
5868 CONT SERV-HARDWARE MAIN	64,475	70,205	48,368	54,114	-22.9%	11.9%
5870 CONT SERV-DP MAINT	120,543	123,888	150,000	125,206	1.1%	-16.5%
6010 SUPPLIES-EQUIPMENT	16,175	9,005	20,000	47,573	428.3%	137.9%
6070 SUPPLIES-OFFICE	0	0	0		-	-
6090 SUPPLIES-OTHER	400	400	400	400	0.0%	0.0%
6125 SUPPLIES-SOFTWARE	5,000	5,000	3,700	5,000	0.0%	35.1%
6910 TRAINING EXPENSES	0	0	0	0	-	-
7800 LAUNDRY			0		-	-
7810 ENGINEERING SERV	67,847	122,014	96,249	122,433	0.3%	27.2%
8000 DUES			0		-	-
8010 PUBLIC/COMM SERV			0		-	-
<b>TOTAL NON-PAYROLL</b>	<b>322,260</b>	<b>382,198</b>	<b>372,903</b>	<b>406,919</b>	<b>6.5%</b>	<b>9.1%</b>
<b>TOTAL</b>	<b>866,055</b>	<b>960,439</b>	<b>965,657</b>	<b>1,054,453</b>	<b>9.8%</b>	<b>9.2%</b>

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Lab Services 7700**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	400,585	440,036	493,131	523,035	18.9%	6.1%
4040 SHIFT	0	8	26	30	273.1%	13.1%
4050 VACATION	35,343	48,745	51,784	52,886	8.5%	2.1%
4060 HOLIDAY	16,372	18,356	20,201	21,306	16.1%	5.5%
4070 PERSONAL LEAVE	5,457	6,119	6,734	7,102	16.1%	5.5%
4080 SICK	15,222	17,025	18,859	20,084	18.0%	6.5%
SUB TOTAL	472,979	530,289	590,734	624,443	17.8%	5.7%
4090 OVERTIME	15,000	14,000	13,000	13,500	-3.6%	3.8%
SUB TOTAL	487,979	544,289	603,734	637,943	17.2%	5.7%
4200 EMPLOYERS FICA	30,379	39,257	43,036	45,180	15.1%	5.0%
4210 EMPLOYERS FICA/MEDIC	7,105	7,924	8,823	9,281	17.1%	5.2%
4220 EMPLOYERS PERA	36,599	40,822	45,471	47,846	17.2%	5.2%
4240 GROUP HOSP/MED	107,094	117,017	113,862	133,202	13.8%	17.0%
4260 GROUP DENTAL	4,568	4,975	4,894	6,009	20.8%	22.8%
4280 GROUP LIFE	583	652	702	769	18.0%	9.7%
4300 LONG-TERM DISABILITY	1,324	1,485	1,654	1,655	11.4%	0.0%
SUB TOTAL	187,652	212,132	218,441	243,942	15.0%	11.7%
<b>TOTAL PAYROLL</b>	<b>675,631</b>	<b>756,421</b>	<b>822,175</b>	<b>881,885</b>	<b>16.6%</b>	<b>7.3%</b>
5200 TELEPHONE	800	1,260	1,050	1,160	-7.9%	10.5%
5860 CONT SERV-OTHER	35,000	30,000	30,000	34,900	16.3%	16.3%
5870 CONT SERV-DP MAINT	0	0	7,864	18,700	-	137.8%
6010 SMALL EQUIPMENT	8,000	16,000	15,000	8,000	-50.0%	-46.7%
6040 SUPPLIES-LAB	35,000	45,000	60,000	40,000	-11.1%	-33.3%
6070 SUPPLIES-OFFICE	100	75	75	75	0.0%	0.0%
6090 SUPPLIES-OTHER	100	50	80	75	50.0%	-6.3%
6910 TRAINING EXPENSES	500	300	500	50	-83.3%	-90.0%
7800 LAUNDRY	650	800	1,400	500	-37.5%	-64.3%
7820 LAB SERVICES	100,000	95,000	95,000	95,000	0.0%	0.0%
8000 DUES	100	100	100	100	0.0%	0.0%
8010 PUBLICATIONS	100	50	0	50	0.0%	-
8020 PERMITS & CERTIFICATIONS	61,000	61,800	62,000	61,800	0.0%	-0.3%
8250 DISCOUNTS	0	0	0	0	-	-
8620 PROGRAM DEVELOP	0	0	0	0	-	-
<b>TOTAL NON-PAYROLL</b>	<b>241,350</b>	<b>250,435</b>	<b>273,069</b>	<b>260,410</b>	<b>4.0%</b>	<b>-4.6%</b>
<b>TOTAL</b>	<b>916,981</b>	<b>1,006,856</b>	<b>1,095,244</b>	<b>1,142,295</b>	<b>13.5%</b>	<b>4.3%</b>

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**WESTERN LAKE SUPERIOR SANITARY DISTRICT DEPARTMENTAL BUDGET  
SOLID WASTE SUMMARY**

	<u>ACTUAL 2021</u>	<u>BUDGET 2022</u>	<u>ESTIMATE 2022</u>	<u>BUDGET 2023</u>	<u>% CHANGE BUDG 23/ BUDG 2022</u>	<u>% CHANGE BUDG 23/ EST 2022</u>
<b>OPERATIONS</b>						
<b>WASTEWATER TREATMENT</b>						
4000 CLEAN WATER PRODUCTION	\$ -	\$ -	\$ -	\$ -	-	-
4200 CONVEYANCE SYSTEM	\$ -	\$ -	\$ -	\$ -	-	-
4300 BIOSOLIDS	\$ -	\$ -	\$ -	\$ -	-	-
					-	
4700 ENV PROG WW	\$ -	\$ -	\$ -	\$ -	-	-
4800 WW GRANTS	\$ -	\$ -	\$ -	\$ -	-	-
SUB TOTAL	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>-</u>	<u>-</u>
<b>SOLID WASTE OPERATIONS</b>						
5000 TRANSFER STATION 27TH	\$ 5,007,812	\$ 5,307,828	\$ 6,045,797	\$ 6,510,915	22.7%	7.7%
5100 MATERIALS RECOVERY CENTER	\$ 1,172,826	\$ 1,341,174	\$ 1,317,179	\$ 1,483,085	10.6%	12.6%
5500 ORGANICS COMPOSTING SITE	\$ 332,859	\$ 363,191	\$ 386,560	\$ 391,426	7.8%	1.3%
5600 HOUSEHOLD HAZARDOUS WASTE	\$ 866,547	\$ 930,054	\$ 971,851	\$ 1,021,976	9.9%	5.2%
5700 ENV PROG SW	\$ 816,360	\$ 924,218	\$ 849,271	\$ 926,332	0.2%	9.1%
5800 SW GRANTS	\$ -	\$ -	\$ -	\$ -	-	-
SUB TOTAL	<u>\$ 8,196,404</u>	<u>\$ 8,866,465</u>	<u>\$ 9,570,658</u>	<u>\$ 10,333,735</u>	<u>16.5%</u>	<u>8.0%</u>
<b>OPERATIONS &amp; MAINTENANCE</b>						
6600 MECHANICAL MAINTENANCE	\$ 153,897	\$ 163,620	\$ 164,828	\$ 170,734	4.3%	3.6%
6700 FACILITIES & UTILITIES	\$ -	\$ -	\$ -	\$ -		
6800 ELECTRICAL MAINTENANCE	\$ 96,100	\$ 99,845	\$ 102,297	\$ 25,888	-74.1%	-74.7%
<b>BUSINESS SERVICES</b>						
6000 BUSINESS SERVICES	\$ 911,822	\$ 960,671	\$ 1,030,759	\$ 1,112,597	15.8%	7.9%
<b>PLANNING &amp; TECH SERVICES</b>						
7000 PLANNING & ENGINEERING	\$ 328,458	\$ 311,984	\$ 331,053	\$ 327,198	4.9%	-1.2%
7400 MANAGEMENT INFO SYS	\$ 212,217	\$ 235,345	\$ 236,624	\$ 258,382	9.8%	9.2%
7700 LAB SERVICES	\$ 122,600	\$ 134,617	\$ 146,434	\$ 152,725	13.5%	4.3%
SUB TOTAL	<u>\$ 663,276</u>	<u>\$ 681,946</u>	<u>\$ 714,111</u>	<u>\$ 738,305</u>	<u>8.3%</u>	<u>3.4%</u>
<b>TOTAL</b>	<u><u>\$ 10,021,498</u></u>	<u><u>\$ 10,772,547</u></u>	<u><u>\$ 11,582,654</u></u>	<u><u>\$ 12,381,259</u></u>	<u><u>14.9%</u></u>	<u><u>6.9%</u></u>

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Direct Solid Waste Departments

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Transfer Station 5000**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	35,353	41,300	45,440	45,171	9.4%	-0.6%
4020 SUNDAY PREMIUM	0	0	0	0	-	-
4030 HOLIDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	28	0	8	8	-	0.0%
4050 VACATION	3,366	4,388	4,664	4,604	4.9%	-1.3%
4060 HOLIDAY	1,437	1,693	1,789	1,777	4.9%	-0.7%
4070 PERSONAL LEAVE	479	564	596	592	5.0%	-0.7%
4080 SICK	891	962	998	996	3.5%	-0.3%
SUB TOTAL	41,554	48,907	53,495	53,147	8.7%	-0.7%
4090 OVERTIME	1,000	1,000	1,000	600	-40.0%	-40.0%
SUB TOTAL	42,554	49,907	54,495	53,747	7.7%	-1.4%
4200 EMPLOYERS FICA	2,669	3,131	3,417	9,047	189.0%	164.7%
4210 EMPLOYERS FICA/MEDIC	624	732	799	788	7.7%	-1.4%
4220 EMPLOYERS PERA	3,229	3,743	4,089	4,031	7.7%	-1.4%
4240 GROUP HOSP/MED	12,266	12,960	12,960	13,808	6.5%	6.5%
4260 GROUP DENTAL	530	565	565	641	13.4%	13.5%
4280 GROUP LIFE	88	110	118	123	11.8%	4.5%
4300 LONG-TERM DISABILITY	116	137	150	141	2.8%	-6.0%
SUB TOTAL	19,522	21,378	22,098	28,579	33.7%	29.3%
<b>TOTAL PAYROLL</b>	<b>62,076</b>	<b>71,285</b>	<b>76,593</b>	<b>82,326</b>	<b>15.5%</b>	<b>7.5%</b>
4520 CONTRACT CLEANING	0	4,000	4,500	4,000	0.0%	-11.1%
5000 ELECTRICITY	5,000	4,500	5,500	6,500	44.4%	18.2%
5200 TELEPHONE	300	400	420	500	25.0%	19.0%
5701 SW DISPOSAL-RESIDUE	4,085,413	4,331,488	4,331,500	4,533,390	4.7%	4.7%
5703 TR STA OPER & TRANS	818,273	851,955	1,549,666	1,829,799	114.8%	18.1%
5705 ANNUAL UNACCEPTABLE INCE	10,000	14,000	11,000	20,000	42.9%	81.8%
5810 CONT SERV-DISP APPL	0	0	0	0	-	-
5813 CONT SERV-DISP ELECTR	2,000	2,500	2,000	2,000	-20.0%	0.0%
5815 CONT SERV-DISP TIRE	1,500	1,200	600	1,000	-16.7%	66.7%
5860 CONT SERV-OTHER	16,000	22,000	62,000	23,000	4.5%	-62.9%
5870 CONT SERV-DP MAINT	0	0	0	5,000	-	-
5900 CONT SERV-ENFORCEMENT	1,000	0	0	1,000	-	-
6000 SUPPLIES-BLDG	2,000	2,000	500	1,000	-50.0%	100.0%
6090 SUPPLIES-OTHER	1,000	1,000	1,000	500	-50.0%	-50.0%
6910 TRAINING EXPENSES	1,500	0	0	0	-	-
6940 LICENSE REIMBURSE	0	0	0	0	-	-
8000 DUES	750	500	268	400	-20.0%	49.3%
8210 COPYING & PRINTING	1,000	1,000	250	500	-50.0%	100.0%
8250 DISCOUNTS	0	0	0	0	-	-
<b>TOTAL NON-PAYROLL</b>	<b>4,945,736</b>	<b>5,236,543</b>	<b>5,969,204</b>	<b>6,428,589</b>	<b>22.8%</b>	<b>7.7%</b>
<b>TOTAL</b>	<b>5,007,812</b>	<b>5,307,828</b>	<b>6,045,797</b>	<b>6,510,915</b>	<b>22.7%</b>	<b>7.7%</b>

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Materials Recovery Center 5100**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	320,200	357,373	356,420	387,255	8.4%	8.7%
4020 SUNDAY PREMIUM	0	0	0	0	-	-
4030 HOLIDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	0	0	0	0	-	-
4050 VACATION	19,094	23,538	21,959	22,866	-2.9%	4.1%
4060 HOLIDAY	12,531	13,980	13,897	14,756	5.5%	6.2%
4070 PERSONAL LEAVE	4,177	4,660	4,632	4,919	5.5%	6.2%
4080 SICK	13,218	14,614	14,452	15,417	5.5%	6.7%
SUB TOTAL	369,220	414,165	411,361	445,212	7.5%	8.2%
4090 OVERTIME	20,000	15,000	15,000	15,000	0.0%	0.0%
SUB TOTAL	389,220	429,165	426,361	460,212	7.2%	7.9%
4200 EMPLOYERS FICA	24,163	26,646	26,460	34,248	28.5%	29.4%
4210 EMPLOYERS FICA/MEDIC	5,651	6,232	6,188	6,682	7.2%	8.0%
4220 EMPLOYERS PERA	29,229	32,188	31,963	34,516	7.2%	8.0%
4240 GROUP HOSP/MED	55,180	66,457	67,319	84,211	26.7%	25.1%
4260 GROUP DENTAL	3,193	3,754	4,302	5,266	40.3%	22.4%
4280 GROUP LIFE	448	500	486	540	8.0%	11.2%
4300 LONG-TERM DISABILITY	1,034	1,160	1,152	1,180	1.7%	2.4%
4350 UNEMPLOYMENT COMP	7,500	7,500	7,500	7,500	0.0%	0.0%
SUB TOTAL	126,398	144,437	145,371	174,143	20.6%	19.8%
<b>TOTAL PAYROLL</b>	<b>515,618</b>	<b>573,602</b>	<b>571,732</b>	<b>634,355</b>	<b>10.6%</b>	<b>11.0%</b>
4520 CONTRACT CLEANING	4,000	4,000	4,500	8,000	100.0%	77.8%
4800 FUEL-FUEL OIL	4,000	2,000	3,000	5,000	150.0%	66.7%
5000 ELECTRICITY	5,000	6,500	9,000	10,000	53.8%	11.1%
5200 TELEPHONE	2,400	2,400	2,400	2,400	0.0%	0.0%
5230 DIESEL	5,000	4,500	6,500	6,500	44.4%	0.0%
5240 WATER	0	0	0	0	-	-
5702 SW DISPOSAL-MRC	168,408	214,810	200,285	272,168	26.7%	35.9%
5704 SW HAULING-MRC	182,000	210,000	209,000	211,000	0.5%	1.0%
5706 SW DISPOSAL-COMMUNITY ASSISTANC	2,500	2,000	2,000	2,000	0.0%	0.0%
5790 CONT SERV-DISP HH RECYLING	30,000	30,000	20,000	25,000	-16.7%	25.0%
5807 CONT SERV-WOOD GRINDING	3,000	3,000	6,000	6,000	100.0%	0.0%
5808 CONT SERV-SNOW PLOWING	20,000	15,000	10,000	12,000	-20.0%	20.0%
5810 CONT SERV-DISP-APPL	0	0	0	0	-	-
5812 CONT SERV-MATRESSES	60,000	87,500	87,000	100,000	14.3%	14.9%
5813 CONT SERV-DISP-ELECTRONICS	100,000	98,000	98,000	68,000	-30.6%	-30.6%
5815 CONT SERV-DISP TIRE	31,000	38,000	35,000	42,000	10.5%	20.0%
5860 CONT SERV-OTHER	17,000	20,000	15,000	19,000	-5.0%	26.7%
5871 CONT SERV-MOBILE DEVICE	1,900	2,100	2,100	2,100	0.0%	0.0%
5895 MNSHARP REPAIR EXPENSE	0	0	0	0	-	-
6010 SUPPLIES-EQUIP	2,000	1,500	1,300	1,500	0.0%	15.4%
6070 SUPPLIES-OFFICE	1,000	1,000	500	500	-50.0%	0.0%
6090 SUPPLIES-OTHER	4,000	3,000	2,000	2,000	-33.3%	0.0%
6120 SUPPLIES-SITE	4,000	2,000	3,000	3,000	50.0%	0.0%
6910 TRAINING EXPENSES	0	150	212	150	0.0%	-29.2%
6940 LICENSE REIMBURSE	0	0	0	200	-	-
7210 RENT-EQUIPMENT	0	0	4,100	25,000	-	509.8%
7640 LEASE-LAND DULUTH AIR	0	10,612	11,050	11,712	10.4%	6.0%
7800 LAUNDRY	4,500	4,000	5,000	5,000	25.0%	0.0%
8000 DUES	500	500	500	0	-100.0%	-100.0%
8210 COPYING & PRINTING	5,000	5,000	8,000	8,500	70.0%	6.3%
8250 DISCOUNTS	0	0	0	0	-	-
<b>TOTAL NON-PAYROLL</b>	<b>657,208</b>	<b>767,572</b>	<b>745,447</b>	<b>848,730</b>	<b>10.6%</b>	<b>13.9%</b>
<b>TOTAL</b>	<b>1,172,826</b>	<b>1,341,174</b>	<b>1,317,179</b>	<b>1,483,085</b>	<b>10.6%</b>	<b>12.6%</b>

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Yard Waste/Organics 5500**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	118,325	128,231	136,377	136,108	15.0%	-0.2%
4020 SUNDAY PREMIUM	0	4,686	4,218	4,218	-	0.0%
4030 HOLIDAY PREMIUM	0	879	1,356	1,356	-	0.0%
4040 SHIFT	0	9	9	9	-	0.0%
4050 VACATION	9,775	12,098	13,432	13,372	36.8%	-0.4%
4060 HOLIDAY	4,773	5,251	5,451	5,439	14.0%	-0.2%
4070 PERSONAL LEAVE	1,591	1,750	1,817	1,813	14.0%	-0.2%
4080 SICK	4,598	4,916	5,068	5,065	10.2%	-0.1%
SUB TOTAL	139,062	157,820	167,728	167,380	20.4%	-0.2%
4090 OVERTIME	3,000	3,500	1,500	3,000	0.0%	100.0%
SUB TOTAL	142,062	161,320	169,228	170,380	5.6%	0.7%
4200 EMPLOYERS FICA	8,839	10,039	10,660	16,279	62.2%	52.7%
4210 EMPLOYERS FICA/MEDIC	2,067	2,348	2,493	2,479	5.6%	-0.6%
4220 EMPLOYERS PERA	10,692	12,099	12,850	12,778	5.6%	-0.6%
4240 GROUP HOSP/MED	40,297	40,028	42,820	45,609	13.9%	6.5%
4260 GROUP DENTAL	1,834	1,827	1,827	2,050	12.2%	12.2%
4280 GROUP LIFE	179	204	211	222	8.6%	5.0%
4300 LONG-TERM DISABILITY	389	426	454	429	0.6%	-5.6%
4350 UNEMPLOYMENT COMP	12,500	12,500	10,500	12,500	0.0%	19.0%
SUB TOTAL	76,797	79,471	81,814	92,346	16.2%	12.9%
<b>TOTAL PAYROLL</b>	<b>218,859</b>	<b>240,791</b>	<b>251,042</b>	<b>262,726</b>	<b>9.1%</b>	<b>4.7%</b>
4500 CONTRACT LABOR	0	0	0	-	-	-
5000 ELECTRICITY	3,500	4,000	7,200	7,000	75.0%	-2.8%
5200 TELEPHONE	1,000	1,300	400	500	-61.5%	25.0%
5230 DIESEL	6,000	7,000	13,000	13,000	85.7%	0.0%
5240 WATER	1,000	1,000	600	600	-40.0%	0.0%
5794 CONT SERV-DISP ORGANICS OVERS	1,500	1,000	1,500	1,500	50.0%	0.0%
5795 CONT SERV-DISP ORGANICS REJECTS	0	0	605	0	-	-100.0%
5806 CONT SERV-BAGGING	14,000	15,000	16,084	17,000	13.3%	5.7%
5807 CONT SERV-WOOD GRINDING	27,000	21,000	21,000	21,000	0.0%	0.0%
5860 CONTRACT SERV-OTHER	10,000	12,000	8,000	11,000	-8.3%	37.5%
5871 CONT SERV-MOBILE DEVICES	2,000	2,100	1,905	2,000	-4.8%	5.0%
6070 SUPPLIES-OFFICE	-	-	-	0	-	-
6090 SUPPLIES-OTHER	5,000	5,000	5,000	5,000	0.0%	0.0%
6110 SUPPLIES-SAFETY	-	-	75	100	-	-
6700 LEGAL	0	0	0	0	-	-
6910 TRAINING EXPENSES	2,500	2,500	100	3,000	20.0%	2900.0%
6940 LICENSE REIMBURSE	0	0	0	0	-	-
7210 RENT-EQUIPMENT	39,000	43,000	48,000	45,000	4.7%	-6.3%
7400 TRAVEL	-	-	0	0	-	-
7800 LAUNDRY	500	500	0	500	0.0%	-
8000 DUES	1,000	500	1,775	1,500	200.0%	-15.5%
8010 PUBLICATIONS	0	0	0	0	-	-
8210 COPYING & PRINTING	0	6,500	10,274	0	-100.0%	-100.0%
8250 DISCOUNTS	-	-	0	-	-	-
<b>TOTAL NON-PAYROLL</b>	<b>114,000</b>	<b>122,400</b>	<b>135,518</b>	<b>128,700</b>	<b>5.1%</b>	<b>-5.0%</b>
<b>TOTAL</b>	<b>332,859</b>	<b>363,191</b>	<b>386,560</b>	<b>391,426</b>	<b>7.8%</b>	<b>1.3%</b>

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Household Hazardous Waste 5600**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	270,538	274,355	285,688	285,418	4.0%	-0.1%
4030 HOLIDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	0	28	18	18	-34.4%	0.0%
4050 VACATION	15,723	21,187	23,250	23,190	9.5%	-0.3%
4060 HOLIDAY	10,261	10,922	11,248	11,236	2.9%	-0.1%
4070 PERSONAL LEAVE	3,420	3,641	3,749	3,745	2.9%	-0.1%
4080 SICK	10,695	11,217	11,509	11,506	2.6%	0.0%
SUB TOTAL	310,637	321,350	335,462	335,114	4.3%	-0.1%
4090 OVERTIME	3,000	2,500	3,000	3,000	20.0%	0.0%
SUB TOTAL	313,637	323,850	338,462	338,114	4.4%	-0.1%
4200 EMPLOYERS FICA	19,477	20,116	20,995	26,678	32.6%	27.1%
4210 EMPLOYERS FICA/MEDIC	4,555	4,705	4,910	4,911	4.4%	0.0%
4220 EMPLOYERS PERA	23,560	23,906	24,969	24,976	4.5%	0.0%
4240 GROUP HOSP/MED	70,298	68,712	107,212	114,230	66.2%	6.5%
4260 GROUP DENTAL	2,979	2,904	4,437	5,040	73.5%	13.6%
4280 GROUP LIFE	304	326	334	351	7.7%	5.2%
4300 LONG-TERM DISABILITY	837	885	925	874	-1.2%	-5.5%
SUB TOTAL	122,010	121,554	163,782	177,061	45.7%	8.1%
<b>TOTAL PAYROLL</b>	<b>435,647</b>	<b>445,404</b>	<b>502,244</b>	<b>515,176</b>	<b>15.7%</b>	<b>2.6%</b>
4520 CONTRACT CLEANING	4,500	4,700	4,700	5,000	6.4%	6.4%
4820 FUEL- NATURAL GAS	4,500	6,200	9,000	9,000	45.2%	0.0%
5000 ELECTRICITY	7,000	7,000	7,000	7,000	0.0%	0.0%
5200 TELEPHONE	750	500	300	500	0.0%	66.7%
5230 DIESEL	500	700	500	500	-28.6%	0.0%
5240 WATER	250	0	0	0	-	-
5791 CONT SERV-DISP MEDICAL SHAR	1,500	1,500	1,200	1,500	0.0%	25.0%
5792 CONT SERV-DISP PHARMACEUTI	100	300	265	300	0.0%	13.2%
5793 CONT SERV-DISP OIL & FILTERS	0	0	0	0	-	-
5808 CONT SERV-SNOW PLOWING	3,000	2,000	3,000	3,000	50.0%	0.0%
5814 CONT SERV-DISP FLUOR	20,000	22,000	21,000	22,000	0.0%	4.8%
5816 CONT SERV-DISP LOCAL	75,000	75,000	100,000	100,000	33.3%	0.0%
5817 CONT SERV-DISP COUNTY	60,000	68,000	68,000	70,000	2.9%	2.9%
5819 CONT SERV-DISP PAINT CARE	125,000	156,000	115,000	125,000	-19.9%	8.7%
5860 CONT SERV-OTHER	15,000	17,000	25,000	25,000	47.1%	0.0%
5871 CONT SERV-MOBILE DEVICE		2,100	1,000	1,500	-28.6%	
6000 SUPPLIES-BUILDING	2,500	2,500	3,000	2,500	0.0%	-16.7%
6010 SUPPLIES-EQUIPMENT	9,000	4,000	500	14,000	250.0%	2700.0%
6070 SUPPLIES-OFFICE	500	500	100	100	-80.0%	0.0%
6090 SUPPLIES-OTHER	17,000	25,000	25,000	2,000	-92.0%	-92.0%
6110 SUPPLIES-SAFETY	1,000	1,000	1,255	1,000	0.0%	-20.3%
6150 SUPPLIES-SHIPPING	0	0	0	25,000	-	-
6700 LEGAL	1,000	500	0	0	-100.0%	-
6910 TRAINING EXPENSES	1,000	500	0	0	-100.0%	-
6940 LICENSE REIMBURSE	0	50	87	200	300.0%	129.9%
7400 TRAVEL	1,000	1,500	1,200	1,200	-20.0%	0.0%
7800 LAUNDRY	1,800	3,000	4,500	4,500	50.0%	0.0%
8000 DUES	0	100	0	0	-100.0%	-
8010 PUBLICATIONS	0	0	0	0	-	-
8020 PERMITS	0	0	0	0	-	-
8210 COPYING & PRINTING	1,000	1,000	1,000	1,000	0.0%	0.0%
8250 DISCOUNTS	0	0	0	0	-	-
8600 GRANTS TO GOV UNITS	78,000	82,000	77,000	85,000	3.7%	10.4%
<b>TOTAL NON-PAYROLL</b>	<b>430,900</b>	<b>484,650</b>	<b>469,607</b>	<b>506,800</b>	<b>4.6%</b>	<b>7.9%</b>
<b>TOTAL</b>	<b>866,547</b>	<b>930,054</b>	<b>971,851</b>	<b>1,021,976</b>	<b>9.9%</b>	<b>5.2%</b>

**WESTERN LAKE SUPERIOR SANITARY DISTRICT**  
**Environmental Programs Solid Waste 5700**

	<b>ACTUAL</b>	<b>BUDGET</b>	<b>ESTIMATE</b>	<b>BUDGET</b>	<b>% CHANGE</b>	<b>% CHANGE</b>
	<b>2021</b>	<b>2022</b>	<b>2022</b>	<b>2023</b>	<b>BUDG 23/ BUDG 2022</b>	<b>BUDG 23/ EST 2022</b>
4010 DIRECT WAGES	228,733	252,580	272,930	260,065	3.0%	-4.7%
4020 SUNDAY PREMIUM	262	177	0	0	-100.0%	-
4040 SHIFT	50	67	43	43	-35.5%	0.0%
4050 VACATION	23,844	28,302	29,839	23,844	-15.8%	-20.1%
4060 HOLIDAY	9,486	10,482	11,282	10,528	0.4%	-6.7%
4070 PERSONAL LEAVE	3,162	3,494	3,761	3,509	0.4%	-6.7%
4080 SICK	8,818	9,881	10,699	10,171	2.9%	-4.9%
SUB TOTAL	274,355	304,983	328,554	308,160	1.0%	-6.2%
4090 OVERTIME	7,000	14,000	12,500	12,000	-14.3%	-4.0%
SUB TOTAL	281,355	318,983	341,054	320,160	0.4%	-6.1%
4200 EMPLOYERS FICA	17,512	19,845	21,380	19,918	0.4%	-6.8%
4210 EMPLOYERS FICA/MEDIC	4,096	4,641	5,000	4,658	0.4%	-6.8%
4220 EMPLOYERS PERA	21,184	23,924	25,781	24,012	0.4%	-6.9%
4240 GROUP HOSP/MED	78,527	84,270	87,216	101,678	20.7%	16.6%
4260 GROUP DENTAL	3,281	3,514	3,635	4,454	26.7%	22.5%
4280 GROUP LIFE	343	368	382	369	0.3%	-3.4%
4300 LONG-TERM DISABILITY	767	853	920	817	-4.3%	-11.2%
SUB TOTAL	125,710	137,415	144,313	155,906	13.5%	8.0%
<b>TOTAL PAYROLL</b>	<b>407,065</b>	<b>456,398</b>	<b>485,368</b>	<b>476,065</b>	4.3%	-1.9%
5200 TELEPHONE	210	210	228	210	0.0%	-7.9%
5818 CONT-SERV-RECY-SHEDS	85,800	90,700	90,000	92,000	1.4%	2.2%
5860 CONT SERV-OTHER	16,263	26,513	24,000	52,475	97.9%	118.6%
5870 CONT SERV-DP MAINT	0	0	0	3,000	-	-
5880 CONT SERV-AD AGENCY	9,500	8,900	8,900	12,900	44.9%	44.9%
5950 WASTE SORT	0	50,000	0	0	-100.0%	-
6010 SUPPLIES-EQUIPMENT	0	0	0	0	-	-
6090 SUPPLIES-OTHER	11,100	10,300	10,300	11,800	14.6%	14.6%
6910 TRAINING EXPENSES	4,999	5,789	5,800	5,249	-9.3%	-9.5%
7020 PUBLIC INFORMATION	9,188	10,225	10,000	8,875	-13.2%	-11.3%
7030 PUBLIC INFORMATION-RECY	65,725	63,375	63,375	62,875	-0.8%	-0.8%
7040 PUBLIC INFORMATION-HHW	26,750	25,275	13,000	25,700	1.7%	97.7%
7400 TRAVEL	0	0	0	0	-	-
7800 LAUNDRY	0	0	0	0	-	-
8000 DUES	1,610	1,758	800	1,758	0.0%	119.8%
8010 PUBLICATIONS	0	0	0	0	-	-
8200 POSTAGE	0	0	0	0	-	-
8210 COPYING & PRINTING	17,375	14,000	5,000	15,000	7.1%	200.0%
8250 DISCOUNTS	0	0	0	0	-	-
8600 GRANTS TO GOV UNITS	126,500	126,500	126,500	132,000	4.3%	4.3%
8620 PROGRAM DEVELOPMENT	34,275	34,275	6,000	26,425	-22.9%	340.4%
<b>TOTAL NON-PAYROLL</b>	<b>409,295</b>	<b>467,820</b>	<b>363,903</b>	<b>450,267</b>	-3.8%	23.7%
<b>TOTAL</b>	<b>816,360</b>	<b>924,218</b>	<b>849,271</b>	<b>926,332</b>	0.2%	9.1%



## Personnel Budget

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## 2023 PERSONNEL BUDGET

BASIC UNIT		BUDGET 2022	BUDGET 2022 ANNUALIZED	BUDGET 2023
4000	CLEAN WATER PRODUCTION	18	18	16.0
4200	CONVEYANCE	4.5	4.5	4
4300	BIOSOLIDS	6	6	6
4700	ENV PROG WASTEWATER	1.38	1.50	1.50
5000	TRANSFER STATION	0.25	0.25	0.25
5100	MATERIAL RECOVERY	7.47	7.47	7.57
5500	ORGANICS	1.98	1.98	1.98
5600	HOUSEHOLD HAZ WASTE	4.25	4.25	4.25
5700	ENV PROG SOLID WASTE	3.38	3.50	3.50
6000	BUSINESS SERVICES	8.00	8.00	8.75
6600	MECHANICAL MAINTENANCE	12.0	12.0	12.0
6700	FACILITIES & UTILITIES MAINTENANCE	0.0	0.0	3.0
6800	ELECTRICAL MAINTENANCE	9.25	10.00	10.00
7000	PLANNING & ENGINEERING	8	8	8
7400	MANAGEMENT INFO SYSTEM	4	4	4.5
7700	LAB	5.5	6	6.5
	<b>SUBTOTAL</b>	<b>93.95</b>	<b>95.45</b>	<b>97.80</b>
<b>SUPERVISORS</b>				
4000	CLEAN WATER PRODUCTION	1.35	1.35	1.3
4200	CONVEYANCE	0.25	0.25	0.3
4300	BIOSOLIDS	1.1	1.1	1.1
4700	ENV PROG WASTEWATER	0.45	0.45	0.45
5000	TRANSFER STATION	0.3	0.3	0.3
5100	MATERIAL RECOVERY	0.3	0.3	0.3
5500	ORGANICS	0.3	0.3	0.3
5600	HOUSEHOLD HAZ WASTE	0.3	0.3	0.3
5700	ENV PROG SOLID WASTE	0.55	0.55	0.55
6000	BUSINESS SERVICES	5	5	5
6600	MECHANICAL MAINTENANCE	1.1	1.1	0.9
6700	FACILITIES & UTILITIES MAINTENANCE	0.0	0.0	0.3
6800	ELECTRICAL MAINTENANCE	1.1	1.1	1.1
7000	PLANNING & ENGINEERING	1.8	1.8	1.65
7400	MANAGEMENT INFO SYSTEM	1.1	1.1	1.075
7700	LAB	1.1	1.1	1.075
	<b>SUBTOTAL</b>	<b>16</b>	<b>16</b>	<b>16</b>
	<b>TOTAL</b>	<b>109.95</b>	<b>111.45</b>	<b>113.80</b>

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## Capital Budget

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Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	TOTAL
<b>Safety Essential Projects</b>											
Safety - Clarifier Rooftop Access Improvements	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000
Subtotal	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000
<b>Required General Replacement</b>											
<i>General, Compliance</i>											
Comprehensive Plan Update (EMP, Comprehensive Plan, Hydraulic Model)	\$0	\$0	\$0	\$0	\$175,000	\$175,000	\$0	\$0	\$0	\$0	\$350,000
Subtotal	\$0	\$0	\$0	\$0	\$175,000	\$175,000	\$0	\$0	\$0	\$0	\$350,000
<b>Interceptor Replacement / Rehabilitation</b>											
Hermantown Interceptor Replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$210,000	\$2,100,000	\$0	\$0	\$2,310,000
Scanlon Interceptor Rehabilitation (Phases 5 - 7)	\$0	\$500,000	\$0	\$5,000,000	\$0	\$5,500,000	\$6,000,000	\$0	\$0	\$0	\$17,000,000
Lakeside Interceptor Rehabilitation	\$210,000	\$3,635,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,845,000
West Interceptor Rehabilitation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$598,000	\$4,168,000	\$0	\$4,766,000
Miscellaneous Gravity Interceptor Improvements (East, Woodland, Proctor)	\$0	\$0	\$0	\$267,000	\$1,859,000	\$146,000	\$1,013,000	\$953,000	\$937,000	\$0	\$5,175,000
Miscellaneous Forcemain Improvements (Knowlton, Scanlon)	\$0	\$500,000	\$5,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000,000
Manhole Improvements	\$0	\$100,000	\$0	\$100,000	\$0	\$100,000	\$0	\$100,000	\$0	\$100,000	\$500,000
Subtotal	\$210,000	\$4,735,000	\$5,500,000	\$5,367,000	\$1,859,000	\$5,746,000	\$7,223,000	\$3,153,000	\$1,535,000	\$4,268,000	\$39,596,000
<b>Pump Station Replacement / Rehabilitation</b>											
Cloquet Pump Station Meter Replacement	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000
Knowlton Creek Pump Station Biofilter Drainline Replacement	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
Knowlton Creek Pump Station Elec./Mech. Rehabilitation	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000
Scanlon Pump Station Elec./Mech. Rehabilitation	\$0	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000
Subtotal	\$150,000	\$0	\$500,000	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,150,000
<b>General Replacement-Wastewater Treatment Plant</b>											
Process Improvements - Oxygen Dissolution Tank Rehabilitation	\$0	\$200,000	\$1,000,000	\$6,500,000	\$0	\$6,500,000	\$0	\$6,500,000	\$6,500,000	\$0	\$27,200,000
Process Improvements - Secondary Clarifier Tank Rehabilitation	\$0	\$0	\$6,700,000	\$0	\$6,200,000	\$0	\$6,200,000	\$0	\$0	\$0	\$19,100,000
Process Improvements - Biofilter Rehabilitation (Cells 1, 2, 3)	\$0	\$1,100,000	\$0	\$0	\$1,100,000	\$1,100,000	\$0	\$0	\$0	\$0	\$3,300,000
Process Improvements - Mixed Media Filter Rehabilitation (Filters 1 & 3)	\$385,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$385,000
Process Improvements - Effluent Filtration Improvements	\$0	\$0	\$100,000	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$450,000
Process Improvements - Thickener and Odorous Air Improvements	\$12,300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,300,000
Process Improvements - Plant Piping and Isolation Valve Replacements	\$100,000	\$0	\$0	\$100,000	\$0	\$0	\$100,000	\$0	\$0	\$0	\$300,000
Process Improvements - Plant Air System Upgrades	\$0	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000
Process Improvements - Dewatering System Improvements	\$150,000	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,150,000
Process Improvements - Digester Rehabilitation	\$520,000	\$0	\$0	\$950,000	\$0	\$0	\$0	\$950,000	\$0	\$0	\$2,420,000
Facility and Site Improvements - Roof Rehab. (B9 storage, B11, B10, B8, B2, Biosolids)	\$90,000	\$545,640	\$0	\$0	\$389,640	\$0	\$0	\$0	\$416,100	\$691,000	\$2,132,380
Facility and Site Improvements - Effluent Sample Building Replacement	\$327,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$327,000
Facility and Site Improvements - Perimeter Security (B9 Lower Physical/Access Control)	\$150,000	\$500,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$750,000
Facility and Site Improvements - Precast Panel Improvements	\$0	\$100,000	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000
Facility and Site Improvements - Office Space/Occupancy Improvements	\$125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000
IT Improvements - PA System Upgrades (Phases 2 & 3)	\$0	\$600,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$600,000
IT Improvements - WiFi Implementation (Plant/Conveyance)	\$35,000	\$35,000	\$35,000	\$35,000	\$0	\$0	\$0	\$0	\$0	\$0	\$140,000
IT Improvements - eOPs upgrade	\$0	\$0	\$115,000	\$0	\$0	\$0	\$126,500	\$0	\$0	\$0	\$241,500
IT Improvements - Virtual Server Upgrade (Simplivity)	\$275,000	\$0	\$275,000	\$0	\$275,000	\$0	\$275,000	\$0	\$275,000	\$0	\$1,375,000
IT Improvements - Enterprise Resource Planning (ERP) Replacement	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000
IT Improvements - Cimplicity Upgrade	\$0	\$0	\$0	\$99,000	\$0	\$0	\$0	\$99,000	\$0	\$0	\$198,000
IT Improvements - Store and Forward Devices (Conveyance)	\$0	\$65,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$65,000
IT Improvements - Firewall Improvements	\$250,000	\$0	\$100,000	\$100,000	\$0	\$0	\$150,000	\$0	\$100,000	\$100,000	\$800,000
IT Improvements - Process Control Video Wall Upgrade	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000
IT Improvements - MPLS Replacement	\$0	\$0	\$125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000
Mobile Equipment Replacements (Trailer 067, Spreader 001)	\$190,000	\$200,000	\$0	\$200,000	\$0	\$225,000	\$0	\$225,000	\$0	\$225,000	\$1,265,000
District Fleet Vehicle Replacements	\$150,000	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$0	\$150,000	\$0	\$600,000
Subtotal	\$17,222,000	\$6,345,640	\$8,700,000	\$8,334,000	\$8,264,640	\$7,825,000	\$6,901,500	\$7,874,000	\$7,441,100	\$1,016,000	\$79,923,880
<b>Process / Energy Improvements</b>											
HVAC Control Upgrades/Replacements	\$0	\$0	\$50,000	\$0	\$50,000	\$0	\$0	\$50,000	\$0	\$50,000	\$200,000
Building Air Conditioning Improvements (B9, B8)	\$547,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$547,000
Building Substation Replacements (B4, B6, B9)	\$0	\$750,000	\$750,000	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$2,000,000
Digester Sludge Heat Exchanger Improvements/Replacement	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000
High Strength Waste Addition - Design and Construction	\$0	\$0	\$0	\$500,000	\$5,500,000	\$0	\$0	\$0	\$0	\$0	\$6,000,000
Lighting Control Energy Improvements	\$60,000	\$75,000	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$210,000
Subtotal	\$607,000	\$825,000	\$875,000	\$500,000	\$6,050,000	\$2,000,000	\$0	\$50,000	\$0	\$50,000	\$10,957,000
Total	\$18,189,000	\$12,905,640	\$15,575,000	\$14,701,000	\$16,348,640	\$15,746,000	\$14,124,500	\$11,077,000	\$8,976,100	\$5,334,000	\$132,976,880
<b>Discretionary Projects</b>	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$6,500,000
<b>Total Wastewater Capital Budget</b>	<b>\$18,839,000</b>	<b>\$13,555,640</b>	<b>\$16,225,000</b>	<b>\$15,351,000</b>	<b>\$16,998,640</b>	<b>\$16,396,000</b>	<b>\$14,774,500</b>	<b>\$11,727,000</b>	<b>\$9,626,100</b>	<b>\$5,984,000</b>	<b>\$139,476,880</b>
PFA Loan Funding	\$15,839,000	\$10,455,640	\$9,675,000	\$12,051,000	\$10,498,640	\$12,896,000	\$8,074,500	\$8,027,000	\$5,826,100	\$2,084,000	\$95,426,880
Grant or Cash Funding Required	\$0	\$0	\$3,350,000	\$0	\$3,100,000	\$0	\$3,100,000	\$0	\$0	\$0	\$9,550,000
Use of Wastewater Operations Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PAGO Total	\$3,000,000	\$3,100,000	\$3,200,000	\$3,300,000	\$3,400,000	\$3,500,000	\$3,600,000	\$3,700,000	\$3,800,000	\$3,900,000	\$34,500,000
Debt Service Coverage (Target 120%)	275%	258%	246%	230%	213%	191%	175%	161%	146%	130%	

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## Solid Waste Operations - 10 Year Capital Plan (2023-2032)

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Transfer Station Operations - 10 Year Capital Plan (2023-2032)

Year		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
Required General Replacement - SW Transfer Station												
Repair side wall steel deflector plates		\$0	\$0	\$0	\$0	\$0	\$85,000	\$0	\$0	\$0	\$0	\$85,000
AWS Software Upgrade		\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000
Transfer Station Facility Planning		\$0	\$125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000
Concrete Wall Repairs		\$0	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$100,000	\$175,000
Site Surface/Paving Repairs		\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$100,000
Floor Condition Assessment/Rehabilitation		\$0	0	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$200,000
Exterior Building Repairs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$0	\$75,000
Subtotal		\$40,000	\$135,000	\$110,000	\$85,000	\$10,000	\$95,000	\$10,000	\$110,000	\$85,000	\$110,000	\$790,000
Total Solid Waste Transfer Station Capital Budget		\$40,000	\$135,000	\$110,000	\$85,000	\$10,000	\$95,000	\$10,000	\$110,000	\$85,000	\$110,000	\$790,000
AVAILABLE FUNDING		\$116,228	\$116,228	\$116,228	\$116,228	\$116,228	\$116,228	\$116,228	\$116,228	\$116,228	\$116,228	
ADDITION TO / (USE OF) CAPITAL FUND		\$76,228	(\$18,772)	\$6,228	\$31,228	\$106,228	\$21,228	\$106,228	\$6,228	\$31,228	\$6,228	
	2022											
YEAR END CAPITAL FUND BALANCE (\$150,000 TARGET)	\$245,000	\$321,228	\$302,456	\$308,684	\$339,912	\$446,140	\$467,368	\$573,596	\$579,824	\$611,052	\$617,280	

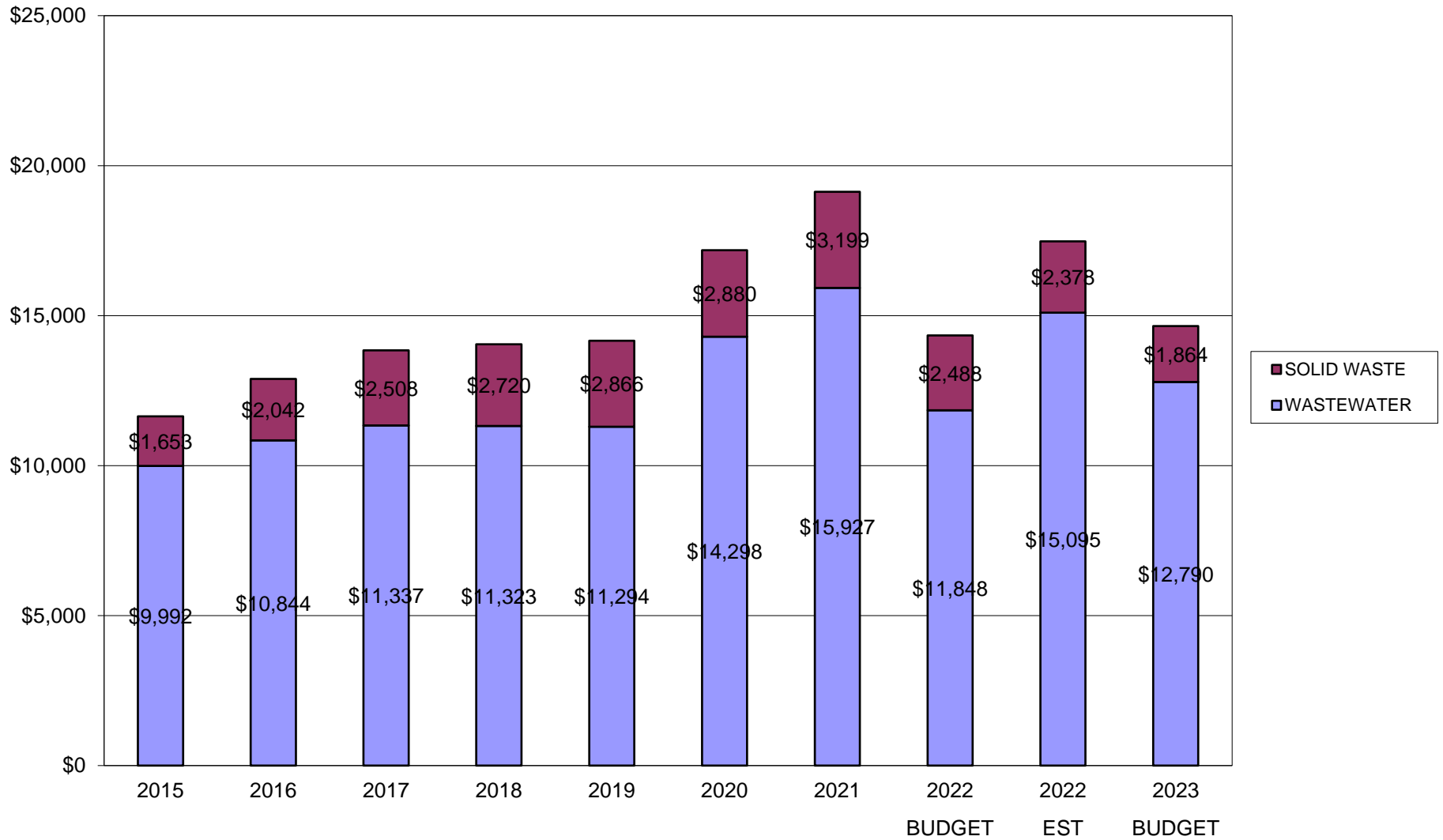
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Operations Fund

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# OPERATIONS FUND

## YEAR END BALANCE (In thousands)



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**OPERATIONS FUND  
YEAR END BALANCE  
(IN THOUSANDS)**

	2015	2016	2017	2018	2019	2020	2021	BUDGET 2022	EST 2022	BUDGET 2023
WASTEWATER	\$9,992	\$10,844	\$11,337	\$11,323	\$11,294	\$14,298	\$15,927	\$11,848	\$15,095	\$12,790
SOLID WASTE	\$1,653	\$2,042	\$2,508	\$2,720	\$2,866	\$2,880	\$3,199	\$2,488	\$2,378	\$1,864
YEAR END BALANCE	\$11,645	\$12,886	\$13,845	\$14,043	\$14,160	\$17,178	\$19,126	\$14,336	\$17,473	\$14,654

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## Debt Service Schedule

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Wastewater Debt Service  
2023 Budget

	Loan	Loan	Loans (4)	Loans (3)	Loans (2)	Loan	Loan	Loan (2)	Loan (2)	Loan (3) Scan FRP/Screw 2/Misc Int 1	Loan (2) Oxygen/Switch	Loans (3) Clar/Screw 3/Misc Int 2	Loan (2) Bldg 11/Screw 4	Loan (2) Term 1/Misc Forc	Loan CHP Ph 1 & 2	Loan Carlton PS / Cloquet Int	Loan	
	May-08	Aug-09	Aug-10	Sep-11	Jul-12 Nov-12	Jun-13	Grit Aug-14	Plant/Esko Sep-15	Scan 4/Screw Sep-16	Oct-18	Oct-18	Oct-19	Oct-20	Oct-21	Oct-22	Oct-22		TOTAL
	2.367M	1.89M	4.375M	5.34M	7.979M	\$2.059M	\$6.942M	\$9.162M	\$5.003M	\$5.50M	\$17.217M	\$7.131M	\$1.091M	\$5.302M	\$11.58M	\$9.35M		WWWT DEBT
2023	190,856	163,451	327,115	411,107	598,811	151,770	506,050	659,470	360,870	388,364	1,298,755	545,479	84,003	383,961	935,251	755,168		7,760,482
2024		162,266	328,157	412,225	597,676	151,340	506,330	659,380	360,570	388,144	1,298,760	547,700	83,422	395,020	935,251	755,168		7,581,409
2025			326,224	412,236	597,430	150,900	506,560	659,230	359,240	387,873	1,298,593	546,790	83,682	395,550	935,251	755,168		7,414,727
2026				411,156	598,062	151,450	505,740	659,020	360,890	388,553	1,298,253	545,840	83,932	396,040	935,251	755,168		7,089,355
2027					598,555	150,980	505,880	659,750	360,490	388,171	1,297,741	546,850	84,172	396,490	935,251	755,168		6,679,498
2028					192,910	151,500	505,970	659,410	360,060	388,739	1,298,056	546,800	83,402	395,900	935,251	755,168		6,273,166
2029							506,010	659,010	359,600	387,244	1,299,186	546,700	84,632	396,280	935,251	755,168		5,929,081
2030								661,550	361,110	387,712	1,298,119	546,550	83,842	395,620	935,251	755,168		5,424,922
2031									360,570	388,118	1,298,879	547,350	83,052	395,930	935,251	755,168		4,764,318
2032										387,462	1,298,442	547,090	84,262	395,200	935,251	755,168		4,402,875
2033										386,757	1,298,819	547,780	83,452	395,440	935,251	755,168		4,402,667
2034												546,410	83,642	395,640	935,251	755,168		2,716,111
2035													83,022	395,800	935,251	755,168		2,169,241
2036														395,920	935,251	755,168		2,086,339
2037															935,251	755,168		1,690,419
2038																		0
2039																		0
TOTAL	190,856	325,717	981,496	1,646,724	3,183,444	907,940	3,542,540	5,276,820	3,243,400	4,267,137	14,283,603	6,561,339	1,088,517	5,528,791	14,028,771	11,327,520	0	76,384,615

\* In Process Loans

CLASSIFICATION OF BOND ISSUES

- (1) INTERCEPTORS
- (2) PROCESS CONTROL & INTERCEPTORS
- (4) WWT PLANT & INTERCEPTORS
- (5) BIOSOLIDS

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## Statistical Section

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**WASTEWATER TREATMENT CHARGES**  
**(IN THOUSANDS)**

									BUDGET	BUDGET	% CHANGE
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2014-2023
DULUTH	\$8,754	\$8,703	\$8,839	\$8,855	\$8,882	\$9,275	\$9,457	\$9,499	\$9,369	\$9,623	9.9%
CLOQUET	\$908	\$804	\$852	\$895	\$874	\$984	\$867	\$817	\$1,054	\$1,082	19.2%
PROCTOR	\$278	\$286	\$288	\$337	\$359	\$323	\$309	\$305	\$342	\$352	26.6%
HERMANTOWN	\$413	\$413	\$434	\$431	\$462	\$493	\$459	\$504	\$579	\$598	44.8%
ESKO	\$121	\$120	\$124	\$132	\$130	\$138	\$144	\$142	\$162	\$168	38.8%
SCANLON	\$99	\$98	\$103	\$120	\$108	\$124	\$105	\$102	\$136	\$142	43.4%
CARLTON	\$106	\$103	\$95	\$111	\$107	\$117	\$121	\$112	\$117	\$121	14.2%
RICE LAKE	\$43	\$43	\$46	\$48	\$47	\$52	\$48	\$48	\$54	\$56	30.2%
TWIN LAKES	\$73	\$73	\$76	\$69	\$72	\$71	\$43	\$52	\$97	\$79	8.2%
PIKE LAKE	\$57	\$54	\$57	\$61	\$60	\$67	\$61	\$69	\$82	\$84	47.4%
KNIFE RIVER	\$16	\$16	\$15	\$16	\$15	\$16	\$16	\$18	\$20	\$20	25.0%
OLIVER	\$16	\$16	\$17	\$16	\$17	\$17	\$17	\$15	\$18	\$19	18.8%
THOMSON	\$8	\$8	\$8	\$9	\$7	\$9	\$8	\$8	\$10	\$10	25.0%
WRENSHALL	\$21	\$18	\$19	\$24	\$20	\$23	\$22	\$22	\$24	\$25	19.0%
JAY COOKE	\$4	\$4	\$4	\$4	\$4	\$4	\$5	\$3	\$3	\$2	-50.0%
MIDWAY	\$4	\$5	\$7	\$4	\$5	\$5	\$5	\$5	\$5	\$5	25.0%
MPCA LANDFILL	\$19	\$19	\$20	\$14	\$10	\$10	\$11	\$10	\$9	\$9	-52.6%
DULUTH/NORTH SHOR	\$41	\$38	\$40	\$44	\$42	\$45	\$43	\$47	\$48	\$49	19.5%
SUBTOTAL	\$10,981	\$10,822	\$11,044	\$11,190	\$11,221	\$11,773	\$11,741	\$11,778	\$12,129	\$12,444	13.3%
SAPPI	\$10,997	\$11,321	\$10,798	\$10,212	\$11,255	\$11,874	\$12,306	\$13,850	\$12,431	\$13,007	18.3%
GEORGIA PACIFIC	\$87	\$89	\$75	\$75	\$70	\$67	\$56	\$32	\$20	\$15	-82.7%
USG	\$454	\$434	\$447	\$483	\$506	\$540	\$575	\$631	\$543	\$609	34.1%
VERSO Duluth Mill	\$3,799	\$3,839	\$3,806	\$4,102	\$3,558	\$3,362	\$2,666	\$387			
ST PAPER 1								\$674	\$1,188	\$1,743	
SPECIALTY MINERALS	\$277	\$306	\$314	\$432	\$246	\$225	\$189	\$164	\$155	\$149	-46.2%
SUBTOTAL	\$15,614	\$15,988	\$15,440	\$15,304	\$15,635	\$16,068	\$15,792	\$15,738	\$14,337	\$15,523	-0.6%
TOTAL	\$26,595	\$26,810	\$26,484	\$26,494	\$26,856	\$27,841	\$27,533	\$27,516	\$26,466	\$27,967	5.2%

**WASTEWATER TREATMENT  
FLOW (MGD)**

	2014	2015	2016	2017	2018	2019	2020	2021	BUDGET 2022	BUDGET 2023	% CHANGE 2014-2023
<b>DULUTH</b>	13.813	12.278	12.870	13.618	11.370	13.485	11.032	10.187	12.700	12.700	<b>-8.06%</b>
<b>CLOQUET</b>	1.234	0.992	1.069	1.129	1.006	1.193	0.988	0.857	1.150	1.150	<b>-6.81%</b>
<b>HERMANTOWN</b>	0.666	0.620	0.635	0.646	0.624	0.691	0.620	0.600	0.650	0.650	<b>-2.40%</b>
<b>PROCTOR</b>	0.484	0.456	0.464	0.491	0.403	0.476	0.400	0.344	0.450	0.450	<b>-7.02%</b>
<b>ESKO</b>	0.189	0.177	0.178	0.209	0.170	0.202	0.190	0.153	0.206	0.206	<b>9.27%</b>
<b>SCANLON</b>	0.158	0.152	0.160	0.191	0.157	0.183	0.145	0.126	0.169	0.169	<b>6.96%</b>
<b>CARLTON</b>	0.181	0.150	0.120	0.170	0.149	0.189	0.171	0.141	0.150	0.150	<b>-17.13%</b>
<b>THOMSON</b>	0.010	0.011	0.010	0.010	0.008	0.009	0.009	0.008	0.010	0.010	<b>0.00%</b>
<b>TWIN LAKES</b>	0.079	0.077	0.080	0.069	0.067	0.061	0.024	0.029	0.070	0.050	<b>-36.71%</b>
<b>RICE LAKE</b>	0.055	0.055	0.059	0.063	0.056	0.066	0.055	0.051	0.060	0.060	<b>9.09%</b>
<b>OLIVER</b>	0.021	0.019	0.020	0.021	0.020	0.021	0.017	0.017	0.022	0.022	<b>4.76%</b>
<b>PIKE LAKE</b>	0.090	0.080	0.083	0.091	0.084	0.093	0.079	0.080	0.100	0.100	<b>11.11%</b>
<b>KNIFE RIVER</b>	0.024	0.023	0.021	0.021	0.017	0.020	0.017	0.018	0.022	0.022	<b>-8.33%</b>
<b>MPCA LANDFILL</b>	0.024	0.022	0.024	0.009	0.002	0.002	0.002	0.002	0.002	0.002	<b>-91.67%</b>
<b>WRENSHALL</b>	0.032	0.025	0.025	0.035	0.026	0.032	0.027	0.024	0.027	0.027	<b>-15.63%</b>
<b>JAY COOKE</b>	0.003	0.002	0.003	0.003	0.002	0.003	0.002	0.002	0.002	0.002	<b>-33.33%</b>
<b>MIDWAY TOWNSHIP</b>	0.003	0.004	0.005	0.003	0.003	0.003	0.003	0.004	0.003	0.003	<b>7.14%</b>
<b>DULUTH/NORTH SHORE</b>	0.055	0.045	0.048	0.054	0.049	0.052	0.046	0.049	0.050	0.050	<b>-9.09%</b>
<b>SUBTOTAL</b>	17.121	15.188	15.874	16.834	14.213	16.781	13.827	12.692	15.843	15.823	<b>-7.58%</b>
<b>SAPPI</b>	15.576	16.081	15.882	16.222	16.470	16.202	16.107	17.790	16.500	16.500	<b>5.93%</b>
<b>USG</b>	0.435	0.403	0.460	0.459	0.492	0.538	0.481	0.488	0.450	0.450	<b>3.45%</b>
<b>VERSO Duluth Mill</b>	4.682	4.637	4.508	4.666	4.384	3.895	2.448	0.328			
<b>ST PAPER 1</b>								0.413	0.500	1.000	
<b>SPECIALTY MINERALS</b>	0.228	0.197	0.230	0.254	0.264	0.272	0.231	0.220	0.240	0.200	<b>-12.28%</b>
<b>SUBTOTAL</b>	20.921	21.318	21.080	21.601	21.611	20.907	19.267	19.239	17.690	18.150	<b>-13.25%</b>
<b>TOTAL</b>	38.042	36.506	36.954	38.435	35.824	37.688	33.094	31.931	33.533	33.973	<b>-10.69%</b>

**WASTEWATER TREATMENT  
BOD (LBS/DAY)**

	2014	2015	2016	2017	2018	2019	2020	2021	BUDGET 2022	BUDGET 2023	% CHANGE 2014-2023
<b>DULUTH</b>	12,748	13,726	13,064	12,834	13,486	12,534	14,104	14,138	13,100	13,100	<b>2.76%</b>
<b>CLOQUET</b>	1,800	1,357	1,463	1,545	1,375	1,632	1,475	1,280	1,717	1,717	<b>-4.62%</b>
<b>HERMANTOWN</b>	1,134	1,165	1,180	1,155	1,172	1,164	1,016	1,008	1,150	1,150	<b>1.41%</b>
<b>PROCTOR</b>	433	471	470	682	781	520	476	452	530	530	<b>22.40%</b>
<b>ESKO</b>	250	250	250	250	255	255	263	263	263	263	<b>5.20%</b>
<b>SCANLON</b>	264	254	268	319	262	305	241	210	282	282	<b>6.78%</b>
<b>CARLTON</b>	130	130	130	130	130	130	160	160	160	160	<b>23.08%</b>
<b>THOMSON</b>	17	18	17	17	13	15	15	13	17	17	<b>-1.88%</b>
<b>TWIN LAKES</b>	244	240	246	213	207	211	96	121	292	209	<b>-14.34%</b>
<b>RICE LAKE</b>	92	91	99	105	94	109	92	86	100	100	<b>8.78%</b>
<b>OLIVER</b>	35	32	34	35	33	35	28	29	37	37	<b>4.85%</b>
<b>PIKE LAKE</b>	150	134	139	152	140	156	133	134	167	167	<b>11.20%</b>
<b>KNIFE RIVER</b>	40	39	34	34	29	32	29	31	37	37	<b>-8.26%</b>
<b>MPCA LANDFILL</b>	40	36	40	15	4	2	3	3	3	3	<b>-91.66%</b>
<b>WRENSHALL</b>	54	42	43	58	43	53	45	41	45	45	<b>-16.60%</b>
<b>JAY COOKE</b>	4	4	4	5	3	4	4	4	3	3	<b>-16.60%</b>
<b>MIDWAY TOWNSHIP</b>	6	8	11	7	7	7	7	10	8	8	<b>25.10%</b>
<b>DULUTH / NORTH SHOR</b>	92	75	81	90	82	87	77	82	83	83	<b>-9.35%</b>
<b>SUBTOTAL</b>	17,533	18,072	17,573	17,646	18,116	17,251	18,264	18,065	17,993	17,910	<b>2.15%</b>
<b>SAPPI</b>	42,628	49,519	50,361	42,853	42,787	42,660	42,684	46,642	42,500	42,500	<b>-0.30%</b>
<b>USG</b>	1,075	1,287	1,345	1,409	1,426	1,346	1,402	1,641	1,450	1,450	<b>34.88%</b>
<b>VERSO Duluth Mill</b>	24,768	24,270	25,011	21,247	18,114	15,360	7,710				
<b>ST PAPER 1</b>								11	15	5,000	
<b>SPECIALTY MINERALS</b>	6	5	6	7	7	7	6	6	6	5	<b>-16.67%</b>
<b>SUBTOTAL</b>	68,477	75,081	76,723	65,516	62,334	59,373	51,802	48,300	43,971	48,955	<b>-28.51%</b>
<b>TOTAL</b>	86,010	93,153	94,296	83,162	80,450	76,624	70,066	66,365	61,964	66,865	<b>-22.26%</b>

**WASTEWATER TREATMENT  
TOTAL SUSPENDED SOLIDS (LBS/DAY)**

	2014	2015	2016	2017	2018	2019	2020	2021	BUDGET 2022	BUDGET 2023	% CHANGE 2014-2023
<b>DULUTH</b>	16,949	16,884	16,286	15,128	15,520	16,581	18,788	19,110	16,100	16,100	-5.01%
<b>CLOQUET</b>	2,800	2,334	2,515	2,656	2,365	2,805	2,168	1,880	2,522	2,522	-9.91%
<b>HERMANTOWN</b>	1,133	1,120	1,180	1,064	1,091	1,150	1,057	987	1,100	1,100	-2.91%
<b>PROCTOR</b>	523	561	548	826	958	631	608	552	600	600	14.72%
<b>ESKO</b>	300	300	300	300	280	280	305	305	305	305	1.67%
<b>SCANLON</b>	264	254	268	319	262	305	241	210	282	282	6.78%
<b>CARLTON</b>	160	160	160	160	160	160	183	183	183	183	14.38%
<b>THOMSON</b>	17	18	17	17	13	15	15	13	17	17	1.09%
<b>TWIN LAKES</b>	244	240	246	213	207	188	87	108	262	187	-23.36%
<b>RICE LAKE</b>	92	91	99	105	94	109	92	86	100	100	8.78%
<b>OLIVER</b>	35	32	34	35	33	35	28	29	37	37	4.85%
<b>PIKE LAKE</b>	150	134	139	152	140	156	133	134	167	167	11.20%
<b>KNIFE RIVER</b>	40	39	34	34	29	32	29	31	37	37	-8.26%
<b>MPCA LANDFILL</b>	40	36	40	15	4	2	3	3	3	3	-91.66%
<b>WRENSHALL</b>	54	42	43	58	43	53	45	41	45	45	-16.60%
<b>JAY COOKE</b>	4	4	4	5	3	4	4	4	3	3	-16.60%
<b>MIDWAY TOWNSHIP</b>	5	6	8	5	5	5	6	7	5	5	0.08%
<b>DULUTH / NORTH SHOR</b>	92	75	81	90	82	87	77	82	83	83	-9.35%
<b>SUBTOTAL</b>	22,902	22,330	22,002	21,182	21,289	22,598	23,869	23,765	21,851	21,776	-4.91%
<b>SAPPI</b>	25,434	22,555	17,522	13,679	16,967	22,448	21,419	23,525	16,500	18,500	-27.26%
<b>USG</b>	757	433	426	679	686	925	1,178	1,680	1,100	1,600	111.36%
<b>VERSO Duluth Mill</b>	1,464	2,394	2,627	6,040	1,811	1,509	1,666				
<b>ST PAPER 1</b>								28	23	500	
<b>SPECIALTY MINERALS</b>	1,102	1,359	1,338	2,435	653	510	228	365	300	300	-72.78%
<b>SUBTOTAL</b>	28,757	26,741	21,913	22,833	20,117	25,392	24,491	25,598	17,923	20,900	-27.32%
<b>TOTAL</b>	51,659	49,071	43,915	44,015	41,406	47,990	48,360	49,363	39,774	42,676	-17.39%

# MUNICIPAL SOLID WASTE

VOLUME (Tons)	BUDGET								BUDGET		% CHANGE
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2014-2023
DISTRICT - ST. LOUIS CTY	52,621	51,600	53,609	48,291	47,424	48,295	47,695	51,177	53,104	53,104	0.9%
CARLTON COUNTY	13,009	13,684	14,617	15,187	15,332	15,024	13,130	14,754	13,200	13,200	1.5%
ITASCA COUNTY			499								
LAKE COUNTY	5,083	6,334	6,961	7,032	7,108	7,143	6,906	6,638	6,500	6,500	27.9%
COOK COUNTY	2,608	3,096	3,249	3,506	3,466	3,606	3,086	3,196	3,600	3,600	38.0%
CITY OF SUPERIOR	5,299	6,898	5,956	12,700	12,941	11,026	9,824	10,236	9,000	9,000	69.8%
HAULER VOLUME	78,620	81,612	84,891	86,716	86,271	85,094	80,641	86,001	85,404	85,404	8.6%

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