

ANNUAL BUDGET

2022



Clear Answers for Clean WaterSM

September 2021

Western Lake Superior Sanitary District

Duluth, Minnesota

Introduction

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Western Lake Superior Sanitary District

September 27, 2021

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

We are pleased to submit the 2022 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.

The 2022 budget highlights are as follows:

- The 2022 wastewater budget reflects a 4.11% increase in wastewater charges. The increase is comprised of an increase in O&M expenses and an increase in debt service charges to users. Flows and loadings are all projected to be more than 2021. Total Suspended Solids (TSS) is up the most significantly at 7.64% more than 2021. Flow is up 3.07% and Biochemical Oxygen Demand (BOD) is up 1.08%. The unit cost for Flow is up 7.69%. The unit cost for BOD is up 1.27%, while TSS and Peak flow charges are down 4.78% and 27.56% respectively for 2022.
- The budget includes revised 5-year goals for wastewater costs and rates for 2023 thru 2027.
- The budget continues to provide strong Operations Fund balances.
- 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 2022 is \$21.024 million primarily due to the general replacement required in the Wastewater Treatment Plant, Pump Station Replacement/Rehabilitation and Interceptor Replacement/Rehabilitation. The capital plan incorporates the wastewater conveyance and treatment plant master planning processes, which include evaluation work by CDM Smith on interceptors, Donohue and Associates, Inc. on headworks and energy management and Brown and Caldwell (B&C) on the pump stations, as well as the WLSSD capital improvements team.
- The 2022 solid waste budget provides for no increase in either the hauler-collected fee or the line item solid waste management fees.

WASTEWATER TREATMENT

Wastewater charges total \$26.466 million in 2022 reflecting a 4.11% overall increase.

Flow is budgeted at 3.07% more, Biochemical Oxygen Demand (BOD) is budgeted at 1.08% more and Total Suspended Solids (TSS) loadings is budgeted at 7.64% more than the 2021 budgeted levels.

Total charges to municipal customers increased by 1.23% while the industrial customers show an increase of 6.67%. The O&M unit cost changes show unit rates increasing for flow by 7.69% and BOD by 1.27%, while unit costs are decreasing for peak flow by 27.56% and TSS by 4.78%.

The Operations Fund goal continues to be at 25% of Operations and Maintenance costs for wastewater treatment.

SOLID WASTE

The 2022 budget provides for no increase in 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 2022 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 2022 reflects the transfer station annual CPI adjustments.

The Operations Fund goal continues to be at 25% of Operations and Maintenance costs for solid waste. A deficit of \$419,269 is budgeted for the solid waste operations in 2022 due to additional 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 2022 budget remains unchanged from the 2021 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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Funding Sources for All Departments 2022	
State	100%
Federal	0%
Local	0%
Other	0%

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

DESCRIPTION	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHNG BUDG 22/ BUDG 21	% CHNG BUDG 22/ EST 21
MUNICIPALITIES	11,981,392	11,981,392	12,128,486	1 %	1 %
INDUSTRIES	13,408,870	14,791,943	14,317,783	7	3-
SOLID WASTE	9,979,151	10,078,654	10,429,757	5	3
OPERATING INVEST EARN	115,000	19,979	30,000	74-	50
DISTRICT-WIDE ALLOC	355,000	355,000	355,000		
GRANTS	375,598	366,636	369,000	2-	1
OTHER	825,500	1,035,011	1,000,750	21	3-
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TOTAL REVENUES	37,040,511	38,628,615	38,630,776	4 %	
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PAYROLL					
SALARIES,VAC,HOL,PERS	7,396,802	7,396,803	7,877,702	6.1-%	6.1-%
SICK	240,094	240,094	257,241	6.7-	6.7-
OVERTIME	290,600	293,813	310,500	6.4-	5.4-
OTHER	3,479,267	3,459,266	3,622,854	4.0-	4.5-
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TOTAL PAYROLL	11,406,763	11,389,976	12,068,297	5.5-%	5.6-%
NON-PAYROLL					
FUEL OIL	6,000	3,500	4,000	50.0 %	12.5-%
NATURAL GAS	130,104	158,571	170,692	23.8-	7.1-
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SUB TOTAL	136,104	162,071	174,692	22.1-%	7.2-%
ELECTRICITY	2,755,591	2,707,048	3,027,424	9.0-%	10.6-%
OTHER UTIL & FUELS	506,805	506,889	544,131	6.9-	6.8-
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SUB TOTAL	3,262,396	3,213,937	3,571,555	8.7-%	10.0-%
REPAIRS	681,922	759,610	839,000	18.7-%	9.5-%
INSURANCE	170,000	170,000	175,000	2.9-	2.9-
SOLID WASTE DISPOSAL	5,312,724	5,496,024	5,676,319	6.4-	3.2-
CONTRACT SERV	1,862,452	1,905,688	2,160,008	13.8-	11.8-
SUPPLIES	361,525	395,696	383,680	5.8-	3.1
CHEMICALS	1,455,805	1,558,786	1,784,583	18.4-	12.7-
OTHER	1,224,059	1,237,399	1,335,562	8.3-	7.4-
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SUB TOTAL	11,068,487	11,523,203	12,354,152	10.4-%	6.7-%
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TOTAL NON-PAYROLL	14,466,987	14,899,211	16,100,399	10.1-%	7.5-%
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TOTAL O & M EXPENSES	25,873,750	26,289,187	28,168,696	8.1-%	6.7-%
CAPITAL PROJECTS	3,290,000	3,290,000	3,335,000	1.3-%	1.3-%
INVEST EARN CONSTRUCT	105,000	16,510	36,500	65-%	121 %
INVEST EARN DEBT SERV	165,000	24,554	37,500	77-	53
TRANSFER STAT CAPITAL	106,035	111,746	116,228	10-	4-
DEBT SERVICE	8,467,912	8,467,908	8,580,119	1.3-%	1.3-%
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TOTAL EXPENDITURES	37,467,697	38,117,777	40,126,043	6.6-%	5.0-%
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NET SURPLUS	427,186-	510,838	1,495,267-	250 %	393-%
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WESTERN LAKE SUPERIOR SANITARY DISTRICT
WASTEWATER TREATMENT SCHEDULE OF
REVENUES AND EXPENSES

DESCRIPTION	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHNG BUDG 22/ BUDG 21	% CHNG BUDG 22/ EST 21
MUNICIPALITIES	11,981,392	11,981,392	12,128,486	1 %	1 %
INDUSTRIES	13,408,870	14,791,943	14,317,783	6	3-
OPERATING INVEST EARN	100,000	16,982	25,000	300-	32
DISTRICT WIDE ALLOC	355,000	355,000	355,000	0	0
MISCELLANEOUS REV	825,000	1,033,742	1,000,000	18	3-
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TOTAL REVENUES	26,670,262	28,179,059	27,826,269	4 %	1-%
DIRECT WASTEWATER EXPEN					
CLEAN WATER PRODUCTIO	5,717,656	5,792,709	6,546,761	12.7-%	11.5-%
CONVEYANCE	1,805,789	1,890,677	2,082,319	13.3-	9.2-
BIOSOLIDS	872,232	873,169	904,836	3.6-	3.5-
ENV PROG WASTEWATER	216,406	208,490	258,673	16.3-	19.4-
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SUB TOTAL	8,612,083	8,765,045	9,792,589	12.1-%	10.5-%
ALLOCATED DEPARTMENT EX					
BUSINESS SERVICES	1,658,958	1,686,348	1,747,734	5.1-%	3.5-%
MECHANICAL MAINT	1,968,825	1,975,781	2,093,206	5.9-	5.6-
ELECTRICAL MAINT	1,229,419	1,244,305	1,277,332	3.8-	2.6-
PLANNING & ENGINEER	934,842	943,321	887,954	5.3	6.2
MANAGEMENT INFO	653,838	660,636	725,093	9.8-	8.9-
LAB SERVICES	794,381	793,805	872,239	8.9-	9.0-
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SUB TOTAL	7,240,263	7,304,196	7,603,558	5-%	4-%
TOTAL O & M EXPENSES	15,852,346	16,069,241	17,396,147	8.9-%	7.6-%
CAPITAL PROJECTS	3,000,000	3,000,000	3,000,000		
INVEST EARN CONSTRUC	90,000	14,650	21,500	319-%	32 %
INVEST EARN DEBT SER	165,000	24,554	37,500	340-	35
DEBT SERVICE	8,467,912	8,467,908	8,580,119	1.3-%	1.3-%
NET SURPLUS	394,996-	681,114	1,090,997-	64 %	162 %

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

DESCRIPTION	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHNG BUDG 22/ BUDG 21	% CHNG BUDG 22/ EST 21
TIPPING FEES	5,141,213	5,233,577	5,438,303	5 %	4 %
MATERIAL RECOVERY FEES	651,600	652,500	669,990	3	3
HAULER COLLECTED FEES	2,600,000	2,615,000	2,695,000	4	3
PROPERTY TAX	1,137,038	1,137,038	1,140,425	0	0
OPERATING INVEST EARN	15,000	2,997	5,000	200-	40
GRANTS	375,598	366,636	369,000	2-	1
HHW REVENUES	315,800	319,000	364,500	13	12
YARD WASTE/ORGANICS	133,500	121,539	121,539	10-	0
MISCELLANEOUS	500	1,269	750	33	69-
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TOTAL REVENUES	10,370,249	10,449,556	10,804,507	4 %	3 %
SOLID WASTE OPERATIONS					
TRANSFER STATION 27TH	5,007,813	5,106,717	5,307,828	6-%	4-%
MATERIALS RECOVERY	1,172,825	1,265,372	1,341,174	12.6-%	5.7-%
ORGANICS COMPOSTING	332,859	316,528	363,191	8.4-	12.8-
HOUSEHOLD HAZARDOUS	866,547	908,059	930,054	6.8-	2.4-
ENVIRONMENTAL PROGRAM	816,360	776,308	924,218	11.7-	16.0-
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SUB TOTAL	8,196,404	8,372,984	8,866,465	7.6-%	5.6-%
ALLOCATED DEPARTMENT EX					
BUSINESS SERVICES	911,727	926,929	960,671	5.1-%	3.5-%
MECHANICAL MAINT	153,897	154,441	163,620	5.9-	5.6-
ELECTRICAL MAINT	96,100	97,264	99,845	3.8-	2.6-
PLANNING & ENGINEER	328,458	331,437	311,984	5.3	6.2
MANAGEMENT INFO	212,218	214,378	235,345	9.8-	8.9-
LAB SERVICES	122,600	122,511	134,617	8.9-	9.0-
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SUB TOTAL	1,825,000	1,846,960	1,906,082	4.3-%	3.1-%
TOTAL O & M EXPENSES	10,021,404	10,219,944	10,772,547	7.0-%	5.1-%
CAPITAL PROJECTS	290,000	290,000	335,000	13.4-%	13.4-%
INVEST EARN CONSTRUCT	15,000	1,860	15,000	0 %	88 %
TRANSFER STA CAPITAL	106,035	111,746	116,228	9-	4-
NET SURPLUS	32,190-	170,274-	404,268-	92 %	58 %

WESTERN LAKE SUPERIOR SANITARY DISTRICT
REVENUE STATEMENT

DESCRIPTION	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHNG BUDG 22/ BUDG 21	% CHNG BUDG 22/ EST 21
3000 WWT CHARGE-DULUTH	9,397,598	9,397,598	9,368,535	0 %	0 %
3020 WWT CHARGE-CLOQUET	1,006,748	1,006,748	1,053,638	4	4
3040 WWT CHARGE-PROCTOR	327,748	327,748	341,820	4	4
3060 WWT CHARGE-HERMANTOWN	511,351	511,351	578,737	12	12
3080 WWT CHARGE-SCANLON	116,873	116,873	136,329	14	14
3100 WWT CHARGE-THOMSON TWN	146,702	146,702	162,337	10	10
3120 WWT CHARGE-CARLTON	113,973	113,973	117,347	3	3
3140 WWT CHARGE-WRENSHALL	22,163	22,163	24,209	8	8
3150 WWT CHARGE-TWIN LAKES	92,756	92,756	96,707	4	4
3160 WWT CHARGE-THOMSON CITY	9,371	9,371	9,874	5	5
3170 WWT CHARGE-OLIVER	17,194	17,194	18,215	6	6
3180 WWT CHARGE-JAY COOKE	2,759	2,759	2,515	10-	10-
3190 WWT CHARGE-PIKE LAKE	77,323	77,323	82,205	6	6
3210 WWT CHARGE-NORTH SHORE	49,443	49,443	48,068	3-	3-
3213 WWT CHARGE-MPCA LANDFIL	11,827	11,827	9,049	31-	31-
3214 WWT CHARGE-MIDWAY	5,050	5,050	4,902	3-	3-
3215 WWT CHARGE-KNIFE RIVER	20,354	20,354	19,976	2-	2-
3220 WWT CHARGE-RICE LAKE	52,159	52,159	54,023	3	3
SUB TOTAL	11,981,392	11,981,392	12,128,486	1 %	1 %
3360 WWT CHARGE-SAPPI	11,685,656	12,870,258	12,431,270	6 %	4-%
3380 WWT CHARGE-USG	479,239	624,575	542,891	12	15-
3400 WWT CHARGE-VERSO DULUTH	356,304	383,627	1,188,398	70	68
3420 WWT CHARGE-SPEC MINERAL	225,296	157,200	155,224	45-	1-
3440 WWT CHARGE-ST PAPER 1	662,375	756,283	0	0	0
SUB TOTAL	13,408,870	14,791,943	14,317,783	6 %	3-%
3510 WWT CHARGE-PERMITS	0	2,300	0	0 %	0 %
3520 WWT CHARGE-HAULED WASTE	543,000	474,790	617,000	12	23
3530 CAPACITY AVAILABILITY F	250,000	525,000	350,000	29	50-
3535 FINANCE CHARGE REVENUE	0	152	0	0	0
3540 BIOSOLIDS REVENUE	30,000	30,000	30,000	0	0
SUB TOTAL	823,000	1,032,242	997,000	17 %	4-%
3600 TIPPING FEE-DISTRICT	2,939,706	2,993,645	3,097,466	5 %	3 %
3610 TIPPING FEE-SELF HAUL	3,715	936	2,498	49-	63
3660 TIPPING FEE-CARLTON	804,690	860,873	927,000	13	7
3665 TIPPING FEE-SUPERIOR	443,309	441,531	449,603	1	2
3675 TIPPING FEE-COOK CTY	284,188	282,729	289,744	2	2
3680 TIPPING FEE-LAKE CTY	426,592	408,452	414,634	3-	1
3685 SW PERMITS/LICENSES	2,000	1,450	5,000	60	71

WESTERN LAKE SUPERIOR SANITARY DISTRICT
REVENUE STATEMENT

DESCRIPTION	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHNG BUDG 22/ BUDG 21	% CHNG BUDG 22/ EST 21
3720 ADMIN FEE-DISTRICT	59,425	60,644	62,054	4 %	2 %
3721 ADMIN FEE-CARLTON CTY	23,952	25,694	27,376	13	6
3722 ADMIN FEE-SUPERIOR	17,900	17,883	18,000	1	1
3723 ADMIN FEE-COOK CTY	11,475	11,451	11,600	1	1
3724 ADMIN FEE-LAKE CTY	17,225	16,543	16,600	4-	0
3725 CAPITAL FEE-DISTRICT	16,800	16,889	18,000	7	6
3726 CAPITAL FEE-CARLTON CTY	19,335	26,040	28,928	33	10
3727 CAPITAL FEE-SUPERIOR	26,850	26,825	27,000	1	1
3728 CAPITAL FEE-COOK CTY	17,213	17,177	17,400	1	1
3729 CAPITAL FEE-LAKE CTY	25,838	24,815	24,900	4-	0
3730 SW ORDINANCE LATE CHARG	1,000	0	500	100-	100
SUB TOTAL	5,141,213	5,233,577	5,438,303	5 %	4 %
3630 MRC-DEMO, MIXED WASTE	651,600	652,500	669,990	3 %	3 %
SUB TOTAL	651,600	652,500	669,990	3 %	3 %
3690 SERV FEE-DISTRICT	2,515,000	2,530,000	2,605,000	3 %	3 %
3695 SERV FEE-CARLTON OUT	10,000	10,000	10,000	0	0
3698 SERV FEE-OTHER	75,000	75,000	80,000	6	6
SUB TOTAL	2,600,000	2,615,000	2,695,000	4 %	3 %
3801 PROPERTY TAX-ST LOUIS C	944,150	944,150	946,275	0 %	0 %
3802 PROPERTY TAX-CARLTON CT	192,888	192,888	194,150	1	1
SUB TOTAL	1,137,038	1,137,038	1,140,425	0 %	0 %
3700 INVESTMENT EARNINGS	115,000	19,979	30,000	283-%	33 %
3701 INVESTMENT EARN-CONST	105,000	16,510	36,500	188-	55
3702 INVESTMENT EARN-DS	165,000	24,554	37,500	340-	35
SUBTOTAL	385,000	61,043	104,000	270-%	41 %
3800 DISTRICT-WIDE	355,000	355,000	355,000	0 %	0 %
3944 FINANCE CHARGE REVENUE	500	1,269	750	33	69-
3950 MISCELLANEOUS	2,000	1,500	3,000	33	50
SUB TOTAL	357,500	357,769	358,750	0 %	0 %
3900 HHW-STATE GRANT	69,500	68,038	69,000	1-%	1 %
3650 HHW CONTRACT-REGIONAL	119,800	116,000	68,000	76-	71-
3641 HHW REV-BATTERIES	1,000	4,000	4,000	75	0
3642 HHW FEES-VSQG	19,000	12,000	12,000	58-	0
3643 HHW FEES-PAINT CARE	165,000	178,000	186,000	11	4
3645 HHW FEES-MISCELLANEOUS	11,000	9,000	9,000	22-	0
3648 HHW REV-DEPT OF AG	0	0	7,500	100	100
3655 HHW SERVICE FEES	0	0	78,000	100	100
SUBTOTAL	385,300	387,038	433,500	11 %	11 %

WESTERN LAKE SUPERIOR SANITARY DISTRICT
REVENUE STATEMENT

DESCRIPTION	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHNG BUDG 22/ BUDG 21	% CHNG BUDG 22/ EST 21
3910 GRANTS-MISCELLANEOUS	7,500	0	0	0 %	0 %
SUBTOTAL	7,500	0	0	0 %	0 %
RECYCLING					
3890 STATE GRANT-SCORE	298,598	298,598	300,000	0 %	0 %
SUBTOTAL	298,598	298,598	300,000	0 %	0 %
3637 YARD WASTE REVENUE	133,500	121,539	121,539	10-%	0 %
SUBTOTAL	133,500	121,539	121,539	10-%	0 %
TOTAL	37,310,511	38,669,679	38,704,776	4 %	0 %

WESTERN LAKE SUPERIOR SANITARY DISTRICT
EXPENSE STATEMENT

DESCRIPTION	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHNG BUDG 22/ BUDG 21	% CHNG BUDG 22/ EST 21
4010 DIRECT WAGES	6,440,671	6,382,131	6,780,466	5-	6-
4020 SUNDAY PREMIUM	55,142	55,142	61,421	10-	10-
4030 HOLIDAY PREMIUM	9,543	9,543	31,006	69-	69-
4040 SHIFT	13,085	13,085	13,418	2-	2-
4050 VACATION	531,592	590,133	622,842	15-	5-
4060 HOLIDAY	260,077	260,077	276,412	6-	6-
4070 PERSONAL LEAVE	86,692	86,692	92,137	6-	6-
4080 SICK	240,094	240,094	257,241	7-	7-
SUB TOTAL	7,636,896	7,636,897	8,134,943	6-	6-
4090 OVERTIME	290,600	293,813	310,500	6-	5-
SUB TOTAL	7,927,496	7,930,710	8,445,443	6-	6-
4200 EMPLOYERS FICA	492,387	492,387	536,765	8-	8-
4210 EMPLOYERS FICA/MEDIC	115,414	115,414	122,922	6-	6-
4220 EMPLOYERS PERA	596,694	596,693	633,026	6-	6-
4240 GROUP HOSPITAL/MED	1,917,216	1,917,216	1,980,150	3-	3-
4260 GROUP DENTAL	84,486	84,486	85,188	1-	1-
4280 GROUP LIFE	9,938	9,938	10,335	4-	4-
4300 LONG-TERM DISABILITY	21,132	21,132	22,468	6-	6-
4340 WORKERS COMPENSATION	190,000	175,000	180,000	6	3-
4350 UNEMPLOYMENT COMP	20,000	15,000	20,000	0	25-
4390 OTHER BENEFITS	32,000	32,000	32,000	0	0
SUB TOTAL	3,479,267	3,459,266	3,622,854	4-	5-
TOTAL PAYROLL	11,406,763	11,389,976	12,068,297	5-	6-
4520 CONTRACT CLEANING	79,805	84,578	94,300	15-	10-
4800 FUEL-FUEL OIL	6,000	3,500	4,000	50	13-
4820 FUEL-NATURAL GAS	130,104	158,571	170,692	24-	7-
5000 ELECTRICITY	2,755,591	2,707,048	3,027,424	9-	11-
5200 TELEPHONE	42,640	50,395	52,619	19-	4-
5210 TELEMETER	154,220	136,779	159,797	3-	14-
5220 GASOLINE	20,250	19,614	23,100	12-	15-
5230 DIESEL	88,136	99,886	103,025	14-	3-
5240 WATER	187,772	191,874	191,603	2-	0
5241 STORM WATER FEE	13,787	8,341	13,987	1-	40-
5510 INVOICE TOLERANCE	0	1	0	0	0
5512 INVOICE MATCH WRITE-OFF	0	63	0	0	0
5520 REPAIRS-MAINTENANCE	618,000	618,000	649,000	5-	5-
5525 INVENTORY ADJUSTMENTS	0	3,497-	0	0	0
5530 INVENTORY COST VARIANCE	0	43	0	0	0
5570 REPAIRS-INTERCEPTORS	20,000	60,000	40,000	50-	50
5580 CLEAN-INTERCEPTORS	43,922	85,000	150,000	71-	43-
5701 SOLID WASTE DISPOSAL	4,085,413	4,166,943	4,331,488	6-	4-
5702 SOLID WASTE DISPOSAL-MR	168,408	233,000	214,810	22-	8
5703 TR STA OPERATION AND TR	818,273	823,277	851,955	4-	3-
5704 SOLID WASTE HAULING-MRC	182,000	210,000	210,000	13-	0
5705 ANNUAL UNACCEPTABLE INC	10,000	14,000	14,000	29-	0

WESTERN LAKE SUPERIOR SANITARY DISTRICT
EXPENSE STATEMENT

DESCRIPTION	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHNG BUDG 22/ BUDG 21	% CHNG BUDG 22/ EST 21
5706 SOLID WASTE DISPOSAL-CO	2,500	1,000	2,000	25 -	50 -
5710 GRIT DISPOSALS	13,030	15,204	19,266	32 -	21 -
5790 CONT SERV-DISP HOUSEHOL	30,000	30,000	30,000	0	0
5791 CONT SERV-DISP MEDICAL	1,500	1,200	1,500	0	20 -
5792 CONT SERV-DISP PHARMACE	100	0	300	67 -	100 -
5794 CONT SERV-DISP ORGANICS	1,500	1,000	1,000	50	0
5795 CONT SERV-DISP ORGANICS	0	400	0	0	0
5800 CONT SERV-ELECTRICAL	30,000	30,000	30,000	0	0
5805 CONT SERV-BIOFILTER	0	5,721	10,000	100 -	43 -
5806 CONT SERV-BAGGING	14,000	14,797	15,000	7 -	1 -
5807 CONT SERV-WOOD GRINDING	30,000	31,000	24,000	25	29
5808 CONT SERV-SNOW PLOWING	23,000	10,300	17,000	35	39 -
5812 CONT SERV-DISP MATRESSE	60,000	72,000	87,500	31 -	18 -
5813 CONT SERV-DISP ELECTRON	102,000	100,500	100,500	1	0
5814 CONT SERV-DISP FLUORESC	20,000	20,000	22,000	9 -	9 -
5815 CONT SERV-DISP TIRE	32,500	39,000	39,200	17 -	1 -
5816 CONT SERV-DISP LOCAL	75,000	75,000	75,000	0	0
5817 CONT SERV-DISP COUNTY	60,000	68,000	68,000	12 -	0
5818 CONT SERV-RECY SHEDS	85,800	85,800	90,700	5 -	5 -
5819 CONT SERV-DISP PAINT CA	125,000	156,000	156,000	20 -	0
5820 CONT SERV-O/M PLANT	100,000	100,000	110,000	9 -	9 -
5835 CONT SERV-GENERATORS	33,000	28,000	35,200	6 -	20 -
5840 CONT SERV-O/M MOBILE	130,000	130,000	140,000	7 -	7 -
5852 CONT SERV-FIELD WORK	2,000	1,000	4,000	50 -	75 -
5860 CONT SERV-OTHER	378,578	384,763	496,162	24 -	22 -
5868 CONT SERV-HARDWARE MAIN	64,475	55,154	70,205	8 -	21 -
5870 CONT SERV-DP MAINT	353,244	350,725	359,991	2 -	3 -
5871 CONT SERV-MOBILE DEVICE	3,900	4,700	6,300	38 -	25 -
5875 CONT SERV-SERV FEE	45,650	45,650	45,650	0	0
5880 CONT SERV-AD AGENCY	13,500	13,000	13,300	2	2 -
5900 CONT SERV-ENFORCEMENT	1,000	0	0	0	0
5950 WASTE SORT	0	0	50,000	100 -	100 -
6000 SUPPLIES-BUILDING	28,200	28,050	29,700	5 -	6 -
6010 SUPPLIES-EQUIPMENT	142,675	140,731	146,005	2 -	4 -
6040 SUPPLIES-LAB	35,000	45,000	45,000	22 -	0
6050 SUPPLIES-LUBE	15,500	15,500	15,000	3	3
6060 SUPPLIES-MAINTENANCE	50,000	65,000	52,000	4 -	25
6070 SUPPLIES-OFFICE	6,100	5,210	6,075	0	14 -
6090 SUPPLIES-OTHER	47,750	53,537	54,600	13 -	2 -
6110 SUPPLIES-SAFETY	8,300	11,005	9,300	11 -	18
6120 SUPPLIES-SITE	4,000	2,000	2,000	100	0
6125 SUPPLIES-SOFTWARE	5,000	2,163	5,000	0	57 -
6130 SUPPLIES-TOOLS	19,000	27,500	19,000	0	45
6300 CHEMICALS-GENERAL	30,524	28,000	35,344	14 -	21 -
6315 CHEMICALS-LIQUID OXYGEN	11,239	25,000	10,980	2	128
6320 CHEMICALS-SODIUM HYPOCH	425,371	352,967	457,529	7 -	23 -
6330 CHEMICALS-POLYMER-THICK	101,601	179,942	175,725	42 -	2
6335 CHEMICALS-POLYMER-DEWAT	666,163	743,772	712,474	7 -	4
6360 CHEMICALS-BOILER	2,000	1,000	2,000	0	50 -
6370 CHEMICALS-DEFOAMANT	33,048	38,416	52,275	37 -	27 -
6410 CHEMICALS-SODIUM BISULF	2,221	2,000	2,222	0	10 -
6420 CHEMICALS-FERRIC CHLORI	183,638	187,689	336,034	45 -	44 -
6560 INSURANCE-PROPERTY	170,000	170,000	175,000	3 -	3 -

WESTERN LAKE SUPERIOR SANITARY DISTRICT
EXPENSE STATEMENT

DESCRIPTION	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHNG BUDG 22/ BUDG 21	% CHNG BUDG 22/ EST 21
6700 LEGAL	151,000	176,000	150,500	0 %	17 %
6750 AUDIT	33,300	33,300	36,250	8-	8-
6900 SAFETY PROGRAM	80,339	79,425	84,025	4-	5-
6905 TRAINING-MATERIALS	500	250	500	0	50-
6910 TRAINING EXPENSES	49,134	43,391	59,329	17-	27-
6920 TRAINING-TRAVEL	0	30	250	100-	88-
6930 PERSONNEL	5,000	20,000	10,000	50-	100
6940 LICENSE REIMBURSEMENT	1,000	1,500	1,550	35-	3-
6950 TUITION REIMBURSEMENT	4,000	2,500	4,000	0	38-
7000 OTHER SPEC SERV	66,100	66,100	66,100	0	0
7010 BOARD MEMBERS COMP	12,500	17,500	17,500	29-	0
7020 PUBLIC INFORMATION	27,726	30,525	31,425	12-	3-
7030 PUBLIC INFO-RECYCLING	65,725	65,725	63,375	4	4
7040 PUBLIC INFO-HHW	26,750	20,000	25,275	6	21-
7200 EASEMENTS	20,000	20,000	25,000	20-	20-
7210 RENT-EQUIPMENT	40,000	31,250	44,000	9-	29-
7220 RENT-MOTOR VEHICLE	1,000	0	1,000	0	100-
7300 MEETING EXPENSES	2,500	2,000	6,500	62-	69-
7400 TRAVEL	1,500	1,750	2,500	40-	30-
7640 LEASE-LAND-DULUTH AIRPO	0	10,404	10,612	100-	2-
7800 LAUNDRY	28,648	29,027	28,871	1-	1
7810 ENGINEERING SERVICE	69,847	78,502	124,014	44-	37-
7820 LAB SERVICES	100,000	95,000	95,000	5	0
8000 DUES	39,390	40,327	40,736	3-	1-
8010 PUBLICATIONS	4,800	5,870	5,750	17-	2
8020 PERMITS	63,000	61,400	62,800	0	2-
8200 POSTAGE	13,250	12,650	16,650	20-	24-
8210 COPYING & PRINTING	46,300	44,750	49,700	7-	10-
8500 BANK SERVICE CHARGES	350	100	350	0	71-
8600 GRANTS TO GOV UNITS	226,000	216,623	228,100	1-	5-
8620 PROGRAM DEVELOPMENT	44,400	31,500	43,900	1	28-
TOTAL NON-PAYROLL	14,466,987	14,899,211	16,100,399	10-%	7-%
9022 INTEREST EXP-WWT-DS	666,330	666,330	579,123	15 %	15 %
9200 DEPREC-FURNITURE	15,730	15,730	15,730	0	0
9210 DEPREC-EQUIPMENT	91,173	91,173	115,437	21-	21-
9220 DEPREC-COMPUTER	117,887	117,887	139,074	15-	15-
9230 DEPREC-BUILDING	118,541	118,541	118,541	0	0
9240 DEPREC-IMPROVEMENTS	8,322,150	8,322,150	9,035,844	8-	8-
9260 DEPREC-MOTOR VEHICLE	125,580	125,580	125,615	0	0
TOTAL NON-OPERATING EXP	9,457,391	9,457,391	10,129,364	7-%	7-%
TOTAL EXPENSES	35,331,141	35,746,578	38,298,060	8-%	7-%

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Wastewater Charges

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WORKSHEET TO DETERMINE BUSINESS/TECHNICAL ALLOCATIONS

BUDGET 2022

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**2022 Budget
Wastewater Unit Costs**

	BUDGET 2021	BUDGET 2022	% CHANGE
<u>VOLUME</u>			
FLOW (MGD)	32.53	33.53	3.07%
BOD (LBS/DAY)	61,299	61,964	1.08%
SUSPENDED SOLIDS (LBS/DAY)	36,951	39,774	7.64%
<u>O & M UNIT COSTS</u>			
FLOW (COST/1000 GAL)	\$0.5957	\$0.6415	7.69%
PEAK FLOW	\$0.0435	\$0.0315	-27.56%
BOD (COST/LB)	\$0.2030	\$0.2055	1.27%
SUSPENDED SOLIDS (COST/LB)	\$0.3349	\$0.3189	-4.78%
<u>O & M + DEBT SERVICE UNIT COSTS</u>			
FLOW (COST/1000 GAL)	\$0.8019	\$0.8614	7.42%
PEAK FLOW	\$0.0990	\$0.0851	-14.00%
BOD (COST/LB)	\$0.2539	\$0.2580	1.61%
SUSPENDED SOLIDS (COST/LB)	\$0.3968	\$0.3781	-4.70%
DOMESTIC EQUIV (COST/1000GAL)	\$1.9862	\$2.0075	1.07%

**2022 Budget
Wastewater Treatment Charges**

	BUDGET 2021	BUDGET 2022	INCREASE (DECREASE)	% CHANGE
DULUTH	\$9,397,598	\$9,368,535	-\$29,062	-0.31%
CLOQUET	\$1,006,748	\$1,053,638	\$46,891	4.66%
PROCTOR	\$327,748	\$341,820	\$14,072	4.29%
HERMANTOWN	\$511,351	\$578,737	\$67,387	13.18%
ESKO	\$146,702	\$162,337	\$15,635	10.66%
SCANLON	\$116,873	\$136,329	\$19,456	16.65%
CARLTON	\$113,973	\$117,347	\$3,373	2.96%
RICE LAKE	\$52,159	\$54,023	\$1,865	3.58%
TWIN LAKE	\$92,756	\$96,707	\$3,951	4.26%
PIKE LAKE	\$77,323	\$82,205	\$4,882	6.31%
KNIFE RIVER	\$20,354	\$19,976	-\$378	-1.86%
OLIVER	\$17,194	\$18,215	\$1,021	5.94%
THOMSON	\$9,371	\$9,874	\$503	5.37%
WRENSHALL	\$22,163	\$24,209	\$2,045	9.23%
JAY COOKE	\$2,759	\$2,515	-\$244	-8.85%
MIDWAY	\$5,050	\$4,902	-\$148	-2.93%
MPCA LANDFILL	\$11,827	\$9,049	-\$2,778	-23.49%
DULUTH/NORTH SHORE	\$49,443	\$48,068	-\$1,375	-2.78%
SUBTOTAL	\$11,981,391	\$12,128,486	\$147,095	1.23%
SAPPI	\$11,685,656	\$12,431,269	\$745,614	6.38%
GEORGIA PACIFIC DEBT SERV ONLY	\$32,088	\$19,881	-\$12,207	-38.04%
USG	\$479,239	\$542,890	\$63,652	13.28%
ST PAPER 1	\$1,018,679	\$1,188,398	\$169,719	16.66%
SPECIALTY MINERALS	\$225,296	\$155,224	-\$70,072	-31.10%
SUBTOTAL	\$13,440,958	\$14,337,663	\$896,705	6.67%
TOTAL DISTRICT	\$25,422,349	\$26,466,149	\$1,043,801	4.11%

**2022 Budget
Wastewater Treatment Charges**

	BUDGET 2021	BUDGET 2022	INCREASE (DECREASE)	% CHANGE
DULUTH	\$9,397,598	\$9,368,535	-\$29,062	-0.31%
CLOQUET	\$1,006,748	\$1,053,638	\$46,891	4.66%
PROCTOR	\$327,748	\$341,820	\$14,072	4.29%
HERMANTOWN	\$511,351	\$578,737	\$67,387	13.18%
ESKO	\$146,702	\$162,337	\$15,635	10.66%
SCANLON	\$116,873	\$136,329	\$19,456	16.65%
CARLTON	\$113,973	\$117,347	\$3,373	2.96%
RICE LAKE	\$52,159	\$54,023	\$1,865	3.58%
TWIN LAKE	\$92,756	\$96,707	\$3,951	4.26%
PIKE LAKE	\$77,323	\$82,205	\$4,882	6.31%
KNIFE RIVER	\$20,354	\$19,976	-\$378	-1.86%
OLIVER	\$17,194	\$18,215	\$1,021	5.94%
THOMSON	\$9,371	\$9,874	\$503	5.37%
WRENSHALL	\$22,163	\$24,209	\$2,045	9.23%
JAY COOKE	\$2,759	\$2,515	-\$244	-8.85%
MIDWAY	\$5,050	\$4,902	-\$148	-2.93%
MPCA LANDFILL	\$11,827	\$9,049	-\$2,778	-23.49%
DULUTH/NS	\$49,443	\$48,068	-\$1,375	-2.78%
SUBTOTAL	\$11,981,391	\$12,128,486	\$147,095	1.23%
	<u>Billed Estimate</u>			
SAPPI	\$12,870,258	\$12,431,269	-\$438,988	-3.41%
GEORGIA PACIFIC DEBT SERV ONLY	\$32,088	\$19,881	-\$12,207	-38.04%
USG	\$624,575	\$542,890	-\$81,684	-13.08%
ST PAPER 1 *	\$1,139,910	\$1,188,398	\$48,488	4.25%
<i>*Billed Estimate Reflects Entire Year for 2021</i>				
SPECIALTY MINERALS	\$157,200	\$155,224	-\$1,976	-1.26%
SUBTOTAL	\$14,824,031	\$14,337,663	-\$486,368	-3.28%
TOTAL DISTRICT	\$26,805,422	\$26,466,149	-\$339,272	-1.27%

**2022 Budget
O&M Cost Comparison**

	BUDGET 2021	BUDGET 2022	INCREASE (DECREASE)	% CHANGE
DULUTH	\$6,220,486	\$6,234,031	\$13,545	0.22%
CLOQUET	\$722,785	\$741,683	\$18,898	2.61%
PROCTOR	\$225,499	\$232,675	\$7,176	3.18%
HERMANTOWN	\$371,011	\$402,733	\$31,723	8.55%
ESKO	\$105,358	\$112,641	\$7,284	6.91%
SCANLON	\$93,100	\$103,087	\$9,987	10.73%
CARLTON	\$73,712	\$75,441	\$1,729	2.35%
RICE LAKE	\$35,440	\$36,656	\$1,216	3.43%
TWIN LAKE	\$71,401	\$72,526	\$1,124	1.57%
PIKE LAKE	\$56,600	\$59,368	\$2,768	4.89%
KNIFE RIVER	\$13,766	\$13,464	-\$302	-2.20%
OLIVER	\$12,559	\$13,072	\$513	4.09%
THOMSON	\$6,036	\$6,109	\$73	1.21%
WRENSHALL	\$15,395	\$16,357	\$963	6.25%
JAY COOKE	\$1,217	\$1,199	-\$18	-1.47%
MIDWAY	\$1,890	\$1,899	\$9	0.46%
MPCA LANDFILL	\$2,329	\$1,544	-\$785	-33.69%
DULUTH/NORTH SHORE	\$31,373	\$30,662	-\$711	-2.27%
SUBTOTAL	\$8,059,957	\$8,155,148	\$95,191	1.18%
SAPPI	\$8,428,454	\$9,058,491	\$630,037	7.48%
USG	\$279,396	\$350,801	\$71,405	25.56%
ST PAPER 1	\$0	\$207,158	\$207,158	
SPECIALTY MINERALS	\$154,542	\$94,551	-\$59,991	-38.82%
SUBTOTAL	\$8,862,391	\$9,711,001	\$848,610	9.58%
TOTAL DISTRICT	\$16,922,349	\$17,866,149	\$943,801	5.58%

**2022 Budget
Debt Service Costs**

	BUDGET 2021	BUDGET 2022	INCREASE (DECREASE)	% CHANGE
DULUTH	\$3,177,112	\$3,134,505	(\$42,607)	-1.34%
CLOQUET	\$283,962	\$311,955	\$27,992	9.86%
PROCTOR	\$102,249	\$109,146	\$6,897	6.75%
HERMANTOWN	\$140,340	\$176,004	\$35,664	25.41%
ESKO	\$41,344	\$49,695	\$8,352	20.20%
SCANLON	\$23,773	\$33,242	\$9,469	39.83%
CARLTON	\$40,261	\$41,905	\$1,644	4.08%
RICE LAKE	\$16,718	\$17,367	\$649	3.88%
TWIN LAKE	\$21,355	\$24,181	\$2,826	13.23%
PIKE LAKE	\$20,723	\$22,837	\$2,114	10.20%
KNIFE RIVER	\$6,588	\$6,513	(\$75)	-1.14%
OLIVER	\$4,635	\$5,142	\$507	10.94%
THOMSON	\$3,334	\$3,765	\$430	12.90%
WRENSHALL	\$6,769	\$7,852	\$1,083	16.00%
JAY COOKE	\$1,542	\$1,316	(\$226)	-14.67%
MIDWAY	\$3,160	\$3,003	(\$157)	-4.96%
MPCA LANDFILL	\$9,498	\$7,505	(\$1,993)	-20.99%
DULUTH/NORTH SHORE SUBTOTAL	\$18,070 \$3,921,434	\$17,406 \$3,973,338	(\$664) \$51,904	-3.68% 1.32%
SAPPI	\$3,257,202	\$3,372,779	\$115,576	3.55%
GEORGIA PACIFIC DEBT SERV ONLY	\$32,088	\$19,881	(\$12,207)	-38.04%
USG	\$199,842	\$192,089	(\$7,753)	-3.88%
ST PAPER 1	\$1,018,679	\$981,240	(\$37,439)	-3.68%
SPECIALTY MINERALS SUBTOTAL	\$70,755 \$4,578,566	\$60,673 \$4,626,662	(\$10,082) \$48,096	-14.25% 1.05%
TOTAL DISTRICT	\$8,500,000	\$8,600,000	\$100,000	1.18%

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**WLSSD 2022 BUDGETED FLOWS AND LOADINGS
FLOW (MGD)**

	BUDGET 2021	ESTIMATE 2021	BUDGET 2022
DULUTH	12.700	11.209	12.700
CLOQUET	1.150	0.886	1.150
HERMANTOWN	0.650	0.608	0.650
PROCTOR	0.450	0.358	0.450
ESKO (Includes Helb/Lars)	0.2062	0.160	0.2062
SCANLON	0.169	0.121	0.169
CARLTON	0.150	0.145	0.150
THOMSON (City only)	0.010	0.008	0.010
TWIN LAKES	0.070	0.028	0.070
RICE LAKE	0.060	0.052	0.060
OLIVER	0.022	0.018	0.022
PIKE LAKE	0.100	0.081	0.100
KNIFE RIVER	0.022	0.018	0.022
MPCA LANDFILL	0.002	0.002	0.002
WRENSHALL	0.027	0.024	0.027
JAY COOKE	0.002	0.002	0.002
BUFFALO/MIDWAY	0.0030	0.004	0.0030
DULUTH/NORTH SHORE	0.050	0.051	0.050
MUNICIPAL SUBTOTAL	15.843	13.775	15.843
SAPPI	16.000	17.538	16.500
USG	0.450	0.487	0.450
ST PAPER 1	0.000	0.449	0.500
SPECIALTY MINERALS	0.240	0.228	0.240
INDUSTRIAL SUBTOTAL	16.690	18.701	17.690
TOTAL FLOW	32.533	32.476	33.533

**WLSSD 2022 BUDGETED FLOWS AND LOADINGS
BOD (LBS/DAY)**

	BUDGET 2021	ESTIMATE 2021	BUDGET 2022
DULUTH	13,100	13,937	13,100
CLOQUET	1,717	1,323	1,717
HERMANTOWN	1,150	1,014	1,150
PROCTOR	530	453	530
ESKO	263	263	263
(Includes Helb/Lars)			
SCANLON	282	202	282
CARLTON	160	160	160
THOMSON (City only)	17	14	17
TWIN LAKES	292	118	292
RICE LAKE	100	86	100
OLIVER	37	29	37
PIKE LAKE	167	135	167
KNIFE RIVER	37	30	37
MPCA LANDFILL	3	3	3
WRENSHALL	45	41	45
JAY COOKE	3	4	3
BUFFALO/MIDWAY	8	10	8
DULUTH/NORTH SHORE	83	85	83
MUNICIPAL SUBTOTAL	17,993	17,907	17,993
SAPPI	42,000	44,706	42,500
USG	1,300	1,627	1,450
ST PAPER 1	0	12	15
SPECIALTY MINERALS	6	6	6
INDUSTRIAL SUBTOTAL	43,306	46,351	43,971
TOTAL BOD	61,299	64,258	61,964

**WLSSD 2022 BUDGETED FLOWS AND LOADINGS
SUSPENDED SOLIDS (LBS/DAY)**

	BUDGET 2021	ESTIMATE 2021	BUDGET 2022
DULUTH	15,800	18,988	16,100
CLOQUET	2,522	1,944	2,522
HERMANTOWN	1,100	1,004	1,100
PROCTOR	600	574	600
ESKO	305	305	305
(Includes Helb/Lars)			
SCANLON	282	202	282
CARLTON	183	183	183
THOMSON (City only)	17	14	17
TWIN LAKES	262	106	262
RICE LAKE	100	86	100
OLIVER	37	29	37
PIKE LAKE	167	135	167
KNIFE RIVER	37	30	37
MPCA LANDFILL	3	3	3
WRENSHALL	45	41	45
JAY COOKE	3	4	3
BUFFALO/MIDWAY	5	7	5
DULUTH/NORTH SHORE	83	85	83
MUNICIPAL SUBTOTAL	21,551	23,740	21,851
SAPPI	14,000	20,384	16,500
USG	600	1,527	1,100
ST PAPER 1	0	23	23
SPECIALTY MINERALS	800	313	300
INDUSTRIAL SUBTOTAL	15,400	22,247	17,923
TOTAL DISTRICT	36,951	45,987	39,774

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Wastewater Cost of Service Model

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	BUDGET 2021 O&M	BUDGET 2021 DEBT SERV	BUDGET 2021 TOTAL	BUDGET 2022 O&M	BUDGET 2022 DEBT SERV	BUDGET 2022 TOTAL	% INCREASE
DULUTH	\$ 6,220,486	\$ 3,177,112	\$ 9,397,598	\$ 6,234,031	\$ 3,134,505	\$ 9,368,535	-0.31%
CLOQUET	\$ 722,785	\$ 283,962	\$ 1,006,748	\$ 741,683	\$ 311,955	\$ 1,053,638	4.66%
PROCTOR	\$ 225,499	\$ 102,249	\$ 327,748	\$ 232,675	\$ 109,146	\$ 341,820	4.29%
HERMANTOWN	\$ 371,011	\$ 140,340	\$ 511,351	\$ 402,733	\$ 176,004	\$ 578,737	13.18%
ESKO	\$ 105,358	\$ 41,344	\$ 146,702	\$ 112,641	\$ 49,695	\$ 162,337	10.66%
SCANLON	\$ 93,100	\$ 23,773	\$ 116,873	\$ 103,087	\$ 33,242	\$ 136,329	16.65%
CARLTON	\$ 73,712	\$ 40,261	\$ 113,973	\$ 75,441	\$ 41,905	\$ 117,347	2.96%
RICE LAKE	\$ 35,440	\$ 16,718	\$ 52,159	\$ 36,656	\$ 17,367	\$ 54,023	3.58%
TWIN LAKE	\$ 71,401	\$ 21,355	\$ 92,756	\$ 72,526	\$ 24,181	\$ 96,707	4.26%
PIKE LAKE	\$ 56,600	\$ 20,723	\$ 77,323	\$ 59,368	\$ 22,837	\$ 82,205	6.31%
KNIFE RIVER	\$ 13,766	\$ 6,588	\$ 20,354	\$ 13,464	\$ 6,513	\$ 19,976	-1.86%
OLIVER	\$ 12,559	\$ 4,635	\$ 17,194	\$ 13,072	\$ 5,142	\$ 18,215	5.94%
THOMSON	\$ 6,036	\$ 3,334	\$ 9,371	\$ 6,109	\$ 3,765	\$ 9,874	5.37%
WRENSHALL	\$ 15,395	\$ 6,769	\$ 22,163	\$ 16,357	\$ 7,852	\$ 24,209	9.23%
JAY COOKE	\$ 1,217	\$ 1,542	\$ 2,759	\$ 1,199	\$ 1,316	\$ 2,515	-8.85%
MIDWAY	\$ 1,890	\$ 3,160	\$ 5,050	\$ 1,899	\$ 3,003	\$ 4,902	-2.93%
MPCA LANDFILL	\$ 2,329	\$ 9,498	\$ 11,827	\$ 1,544	\$ 7,505	\$ 9,049	-23.49%
DULUTH/NORTH SHORE	\$ 31,373	\$ 18,070	\$ 49,443	\$ 30,662	\$ 17,406	\$ 48,068	-2.78%
SUBTOTAL	\$ 8,059,957	\$ 3,921,434	\$ 11,981,391	\$ 8,155,148	\$ 3,973,338	\$ 12,128,486	1.23%
SAPPI	\$ 8,428,454	\$ 3,257,202	\$ 11,685,656	\$ 9,058,491	\$ 3,372,779	\$ 12,431,269	6.38%
GEORGIA PACIFIC	\$ -	\$ 32,088	\$ 32,088	\$ -	\$ 19,881	\$ 19,881	-38.04%
USG	\$ 279,396	\$ 199,842	\$ 479,239	\$ 350,801	\$ 192,089	\$ 542,890	13.28%
ST PAPER 1	\$ -	\$ 1,018,679	\$ 1,018,679	\$ 207,158	\$ 981,240	\$ 1,188,398	16.66%
SPECIALTY MINERALS	\$ 154,542	\$ 70,755	\$ 225,296	\$ 94,551	\$ 60,673	\$ 155,224	-31.10%
SUBTOTAL	\$ 8,862,391	\$ 4,578,566	\$ 13,440,958	\$ 9,711,001	\$ 4,626,662	\$ 14,337,663	6.67%
TOTAL	\$ 16,922,349	\$ 8,500,000	\$ 25,422,349	\$ 17,866,149	\$ 8,600,000	\$ 26,466,149	4.11%

Table 5
 USER'S WASTEWATER FLOW AND STRENGTH CHARACTERISTICS
 Flow and Strength Characteristics
 Western Lake Superior Sanitary District
 2022 Budget

		Base Flow		Peak Flow		BOD		TSS	
Line No.	Class of Service	Actual (Mgd)	Allocated (Mgd)	Actual (Mgd)	Allocated (Mgd)	Actual (Lbs./Day)	Allocated (Lbs./Day)	Actual (Lbs./Day)	Allocated (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	0.070	0.090	0.400	0.400	292	315	262	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	15.843	21.331	63.871	63.871	17,993	21,544	21,851	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	16,500	25,000
23	ST Paper 1	0.500	2.250	8.000	8.000	15	13,500	23	1,200
24	USG	0.450	0.580	1.200	1.200	1,450	2,000	1,100	2,800
25	Specialty	0.240	0.240	0.500	0.500	6	8	300	1,400
26	Totals-Industrials	17.690	21.320	33.700	33.700	43,971	71,508	17,923	30,400
27	Totals-All Users	33.533	42.651	97.571	97.571	61,964	93,052	39,774	61,097

BOD, 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.

Line No.	Description	Operating Expenses (\$)	Annual Loadings	Operating Expense Unit Costs	2022-26 Debt Service			
					Percentage Allocation	Cost (\$)	Annual Loadings	Unit Costs
1	Base Flow	\$7,851,488	12,239,618 (1000 Gals)	0.6415 /1000 gal	39.88%	\$755,863	15,567,615 (1000 Gals)	0.0486 /1000 gal
2	Excess Flow	\$736,744	23,373,943 (1000 Gals)	0.0315 /1000 gal	22.14%	\$419,696	35,613,561 (1000 Gals)	0.0118 /1000 gal
3	BOD Expenses	\$4,648,791	22,616,914 (Lbs./Year)	0.2055 / lb.	22.61%	\$428,450	33,963,980 (Lbs./Year)	0.0126 / lb.
4	SS Related Expenses	\$4,629,126	14,517,485 (Lbs./Year)	0.3189 / lb.	15.37%	\$291,337	22,300,405 (Lbs./Year)	0.0131 / lb.
5	Totals	<u>\$17,866,149</u>			100.00%	<u>\$1,895,345</u>		

		2006-10 Debt Service						2011-12 Debt Service			
		Percentage Allocation	Cost (\$)	Annual Loadings	Unit Costs			Percentage Allocation	Cost (\$)	Annual Loadings	Unit Costs
6	Base Flow	39.70%	\$423,682	14,738,426 (1000 Gals)	0.0287 /1000 gal			39.70%	\$397,952	15,612,875 (1000 Gals)	0.0255 /1000 gal
7	Excess Flow	21.41%	\$228,478	33,056,926 (1000 Gals)	0.0069 /1000 gal			21.41%	\$214,602	33,019,360 (1000 Gals)	0.0065 /1000 gal
8	BOD Expenses	23.34%	\$249,091	42,046,540	0.0059 / lb.			23.34%	\$233,964	41,435,895	0.0056 / lb.
9	SS Related Expenses	15.56%	\$166,063	18,944,595 (Lbs./Year)	0.0088 / lb.			15.56%	\$155,979	24,421,055 (Lbs./Year)	0.0064 / lb.
10	Totals	100.00%	<u>\$1,067,314</u>						<u>\$1,002,496</u>		

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TABLE 1
CLASSIFICATION OF RATE BASE TO COST COMPONENTS
Western Lake Superior Sanitary District
2022 Budget

Line No.	Description	Factor Code	Flow-Base	Excess-Flow	BOD	TSS	Replacement Cost	Base Flow	Peak Flow	BOD	TSS
			%	%	%	%					
Clean Water Production											
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%
Other Treatment Plant Facilities-											
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%	1,000,000	190,245	144,755	375,637	289,363
27	Totals-Clean Water Production						\$276,000,000	\$52,507,647 19.02%	\$39,952,353 14.48%	\$103,675,882 37.56%	\$79,864,118 28.94%

TABLE 1 (continued)
CLASSIFICATION OF RATE BASE TO COST COMPONENTS
Western Lake Superior Sanitary District
2022 Budget

		Cost Classifications									
Line No.	Description	Factor Code	Flow-Base (%)	Excess-Flow (%)	BOD (%)	TSS (%)	Replacement Cost	Flow-Base	Excess-Flow-	BOD	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	<u>\$6,700,000</u>	<u>\$0</u>	<u>\$6,700,000</u>	<u>\$0</u>	<u>\$0</u>
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						<u>\$555,000,000</u>	<u>\$221,333,647</u>	<u>\$122,896,353</u>	<u>\$125,459,882</u>	<u>\$85,310,118</u>
34	Percent - Factor	TP									
Other Rate Base Items-											
35	Unused						<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
36	Totals - Rate Base						<u>\$555,000,000</u>	<u>\$221,333,647</u>	<u>\$122,896,353</u>	<u>\$125,459,882</u>	<u>\$85,310,118</u>
37	Percent - Rate Base						100.00%	39.88%	22.14%	22.61%	15.37%

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
2022 Budget

Line No.	Description	Factor Code	Cost Components				Cost Classifications				
			Flow-Base	Excess-Flow	BOD	TSS	Operating Expenses	Flow-Base	Excess-Flow	BOD	TSS
			(%)	(%)	(%)	(%)					
Clean Water Production (4000)											
1	Salaries & Benefits	EA	31.00	4.00	33.00	32.00	\$2,191,469	\$679,355	\$87,659	\$723,185	\$701,270
3	Contract Cleaning	EA	27.00	4.00	37.00	32.00	\$42,000	\$11,340	\$1,680	\$15,540	\$13,440
4	Fuel-Fuel Oil	EA	30.88	4.75	34.75	29.62	\$2,000	\$618	\$95	\$695	\$592
5	Fuel-Natural Gas		36.25	6.00	29.25	28.50	\$157,372	\$57,047	\$9,442	\$46,031	\$44,851
6	Electricity	E-WTP	30.88	4.75	34.75	29.62	\$1,849,037	\$570,983	\$87,829	\$642,540	\$547,685
7	Water	EA	30.38	6.00	29.00	34.62	\$175,603	\$53,348	\$10,536	\$50,925	\$60,794
8	Storm Water Fee	EA	30.38	6.00	29.00	34.62	\$13,787	\$4,188	\$827	\$3,998	\$4,773
9	Grit Disposals	F	70.00	25.00	0.00	5.00	\$19,266	\$13,486	\$4,817	\$0	\$963
10	Cont.Serv.-Other	EA	35.00	10.00	27.50	27.50	\$177,900	\$62,265	\$17,790	\$48,923	\$48,923
11	Supplies-Building	EA	36.25	6.00	29.25	28.50	\$24,000	\$8,700	\$1,440	\$7,020	\$6,840
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-Safety	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
15	Chemicals-Defoamant	F	34.90	4.00	32.60	28.50	\$52,275	\$18,244	\$2,091	\$17,042	\$14,898
15	Chemicals-Ferric	F	15.00	2.50	60.00	22.50	\$336,034	\$50,405	\$8,401	\$201,620	\$75,608
16	Chemicals-Liquid Oxygen	EA	0.00	5.00	55.00	40.00	\$10,980	\$0	\$549	\$6,039	\$4,392
17	Chemicals-Bleach	F	50.00	5.00	30.00	15.00	\$457,529	\$228,765	\$22,876	\$137,259	\$68,629
18	Chemicals-Thickening Pc	BOD,SS	10.50	1.75	36.50	51.25	\$175,725	\$18,451	\$3,075	\$64,140	\$90,059
18	Chemicals-Dewatering Pt	BOD,SS	10.50	1.75	36.50	51.25	\$712,474	\$74,810	\$12,468	\$260,053	\$365,143
19	Chemicals-Boiler	EA	37.50	6.50	28.75	27.25	\$2,000	\$750	\$130	\$575	\$545
20	Chemicals-Sodium bisulfi	F	70.00	10.00	10.00	10.00	\$2,222	\$1,555	\$222	\$222	\$222
23	Laundry	EA	36.75	6.00	30.75	26.50	\$3,874	\$1,424	\$232	\$1,191	\$1,027
22	Engineering	EA	36.75	6.00	30.75	26.50	\$0	\$0	\$0	\$0	\$0
23	Dues	EA	36.75	6.00	30.75	26.50	\$18,000	\$6,615	\$1,080	\$5,535	\$4,770
23	Publication	EA	36.75	6.00	30.75	26.50	\$500	\$184	\$30	\$154	\$133
23	Training	EA	36.75	6.00	30.75	26.50	\$9,000	\$3,308	\$540	\$2,768	\$2,385
24	Telephone	EA	36.75	6.00	30.75	26.50	<u>\$3,370</u>	<u>\$1,238</u>	<u>\$202</u>	<u>\$1,036</u>	<u>\$893</u>
25	Subtotal Clean Water Production						\$6,546,761	\$1,906,602 29.12%	\$279,927 4.28%	\$2,269,950 34.67%	\$2,090,283 31.93%
26	Maintenance Allocation	EA	29.44	4.24	34.25	32.07	\$2,187,479	\$643,994	\$92,749	\$749,212	\$701,525
28	Engineering Allocation	EA	29.44	4.24	34.25	32.07	<u>\$266,386</u>	<u>\$78,424</u>	<u>\$11,295</u>	<u>\$91,237</u>	<u>\$85,430</u>
29	Total - Clean Water Production						\$9,000,627	\$2,629,020	\$383,971	\$3,110,399	\$2,877,238

TABLE 3 (Cont)
CLASSIFICATION OF OPERATING EXPENSES TO COST COMPONENTS
Western Lake Superior Sanitary District
2022 Budget

Line No.	Description	Factor Code	Cost Components				Cost Classifications				
			Flow-Base	Excess-Flow	BOD	TSS	Operating Expenses	Flow-Base	Excess-Flow	BOD	TSS
			(%)	(%)	(%)	(%)					
Conveyance System (4200)											
30	Salaries & Benefits	F	95.00	5.00	0.00	0.00	\$580,111	\$551,106	\$29,006	\$0	\$0
32	Fuel-Natural Gas	F	95.00	5.00	0.00	0.00	\$4,120	\$3,914	\$206	\$0	\$0
33	Electricity	F	95.00	5.00	0.00	0.00	\$1,093,088	\$1,038,434	\$54,654	\$0	\$0
34	Telephone	F	95.00	5.00	0.00	0.00	\$4,800	\$4,560	\$240	\$0	\$0
34	Telemeter	F	95.00	5.00	0.00	0.00	\$112,500	\$106,875	\$5,625	\$0	\$0
35	Diesel	F	95.00	5.00	0.00	0.00	\$4,500	\$4,275	\$225	\$0	\$0
36	Water	F	95.00	5.00	0.00	0.00	\$15,000	\$14,250	\$750	\$0	\$0
36	Storm Water	F	95.00	5.00	0.00	0.00	\$200	\$190	\$10	\$0	\$0
37	Repairs-Interceptors	F	70.00	5.00	15.00	10.00	\$40,000	\$28,000	\$2,000	\$6,000	\$4,000
41	Clean Interceptors	F	75.00	5.00	10.00	10.00	\$150,000	\$112,500	\$7,500	\$15,000	\$15,000
38	Cont.Serv.-Biofilter	F	40.00	5.00	40.00	15.00	\$10,000	\$4,000	\$500	\$4,000	\$1,500
39	Cont.Serv.-Other	F	95.00	5.00	0.00	0.00	\$10,000	\$9,500	\$500	\$0	\$0
40	Supplies-Building	F	95.00	5.00	0.00	0.00	\$1,000	\$950	\$50	\$0	\$0
40	Supplies-Equipment	F	95.00	5.00	0.00	0.00	\$25,000	\$23,750	\$1,250	\$0	\$0
40	Supplies-Other	F	95.00	5.00	0.00	0.00	\$0	\$0	\$0	\$0	\$0
40	Supplies-Site	F	95.00	5.00	0.00	0.00	\$0	\$0	\$0	\$0	\$0
41	Training Expenses	F	95.00	5.00	0.00	0.00	\$5,000	\$4,750	\$250	\$0	\$0
42	Laundry	F	95.00	5.00	0.00	0.00	\$25,000	\$23,750	\$1,250	\$0	\$0
43	Easements	F	90.00	10.00	0.00	0.00	<u>\$2,000</u>	<u>\$1,800</u>	<u>\$200</u>	<u>\$0</u>	<u>\$0</u>
44	Subtotal Conveyance System						\$2,082,319	\$1,932,603	\$104,216	\$25,000	\$20,500
								92.81%	5.00%	1.20%	0.98%
45	Maintenance Allocation	F	94.18	5.06	0.41	0.35	\$970,715	\$914,219	\$49,118	\$3,980	\$3,398
46	Engineering Allocation	F	94.18	5.06	0.41	0.35	<u>\$621,568</u>	<u>\$585,393</u>	<u>\$31,451</u>	<u>\$2,548</u>	<u>\$2,175</u>
47	Total Conveyance System						\$3,674,602	\$3,432,216	\$184,786	\$31,528	\$26,073

TABLE 3 (Cont)
CLASSIFICATION OF OPERATING EXPENSES TO COST COMPONENTS
Western Lake Superior Sanitary District
2022 Budget

		Cost Components				Cost Classifications					
Line No.	Description	Factor Code	Flow-Base	Excess-Flow	BOD	TSS	Operating Expenses	Flow-Base	Excess-Flow-	BOD	TSS
			(%)	(%)	(%)	(%)					
Biosolids (4300)											
48	Salaries & Benefits	EA	0.00	0.00	40.00	60.00	\$772,664	\$0	\$0	\$309,066	\$463,598
50	Natural Gas	EA	0.00	0.00	40.00	60.00	\$3,000	\$0	\$0	\$1,200	\$1,800
51	Electricity	EA	0.00	0.00	40.00	60.00	\$1,000	\$0	\$0	\$400	\$600
52	Telephone	EA	0.00	0.00	40.00	60.00	\$1,300	\$0	\$0	\$520	\$780
53	Diesel	EA	0.00	0.00	40.00	60.00	\$84,525	\$0	\$0	\$33,810	\$50,715
54	Cont.Serv.-Land App	EA	0.00	0.00	40.00	60.00	\$0	\$0	\$0	\$0	\$0
54	Cont.Serv.-Field Work	EA	0.00	0.00	40.00	60.00	\$4,000	\$0	\$0	\$1,600	\$2,400
55	Cont Serv.-Other	EA	0.00	0.00	40.00	60.00	\$15,000	\$0	\$0	\$6,000	\$9,000
56	Supplies-Building	EA	0.00	0.00	40.00	60.00	\$200	\$0	\$0	\$80	\$120
57	Supplies-Equipment	EA	0.00	0.00	40.00	60.00	\$15,000	\$0	\$0	\$6,000	\$9,000
58	Supplies-Other	EA	0.00	0.00	40.00	60.00	\$500	\$0	\$0	\$200	\$300
59	Supplies-Safety	EA	0.00	0.00	40.00	60.00	\$600	\$0	\$0	\$240	\$360
60	Training	EA	0.00	0.00	40.00	60.00	\$5,000	\$0	\$0	\$2,000	\$3,000
61	Rent Equipment	EA	0.00	0.00	40.00	60.00	\$0	\$0	\$0	\$0	\$0
62	Travel	EA	0.00	0.00	40.00	60.00	\$0	\$0	\$0	\$0	\$0
63	Laundry	EA	0.00	0.00	40.00	60.00	\$1,847	\$0	\$0	\$739	\$1,108
63	Dues	EA	0.00	0.00	40.00	60.00	\$200	\$0	\$0	\$80	\$120
64	Publications	EA	0.00	0.00	40.00	60.00	\$0	\$0	\$0	\$0	\$0
65	Subtotal Biosolids						\$904,836	\$0	\$0	\$361,934	\$542,901
66	Maintenance Allocation		0.00	0.00	40.00	60.00	\$212,344	\$0	\$0	\$84,938	\$127,406
	Engineering Allocation						\$0	\$0	\$0	\$0	\$0
67	Total Biosolids						\$1,117,180	\$0	\$0	\$446,872	\$670,308
68	TOTAL 4000/4200/4300						\$13,792,408	\$6,061,236	\$568,756	\$3,588,800	\$3,573,618
69	Percent						100.00%	43.95%	4.12%	26.02%	25.91%
Other Expenses											
70	Business Services	OE	43.95%	4.12%	26.02%	25.91%	\$1,747,734	\$768,062	\$72,071	\$454,762	\$452,839
71	Operations Services	OE	43.95%	4.12%	26.02%	25.91%	\$0	\$0	\$0	\$0	\$0
72	MIS	OE	43.95%	4.12%	26.02%	25.91%	\$725,093	\$318,651	\$29,901	\$188,670	\$187,872
73	Lab	OE	43.95%	4.12%	26.02%	25.91%	\$872,239	\$383,316	\$35,968	\$226,958	\$225,997
74	Environmental Programs	OE	43.95%	4.12%	26.02%	25.91%	\$258,673	\$113,677	\$10,667	\$67,307	\$67,022
75	Heating	OE	43.95%	4.12%	26.02%	25.91%	\$0	\$0	\$0	\$0	\$0
76	Capital Projects	OE	43.95%	4.12%	26.02%	25.91%	\$3,000,000	\$1,318,385	\$123,711	\$780,603	\$777,301
77	Totals-Other Expenses						\$6,603,739	\$2,902,091	\$272,318	\$1,718,300	\$1,711,031
85	Revenue Adjustments						(\$2,530,000)	(\$1,111,838)	(\$104,329)	(\$658,309)	(\$655,524)
86	Total Operating Expenses						\$17,866,147	\$7,851,488	\$736,744	\$4,648,791	\$4,629,126
87	Percent-Operating Expenses						100.00%	43.95%	4.12%	26.02%	25.91%
88	Total Operating Expenses excl Conveyance						\$14,191,545	\$4,419,272	\$551,959	\$4,617,262	\$4,603,053
89	Percent-Operating Expenses excl Conveyance						100.00%	31.14%	3.89%	32.54%	32.44%

Determination of Annual User Billings
2022 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	\$6,234,031	34.89%	37.27%	\$397,790	37.05%	\$371,378	37.05%	\$488,039	35.25%	\$945,430	38.72%	\$238,183	36.60%	\$693,685	\$3,134,505	\$9,368,535
Cloquet	\$741,683	4.15%	3.36%	\$35,877	3.03%	\$30,365	3.03%	\$39,903	3.89%	\$104,241	4.25%	\$26,154	3.98%	\$75,415	\$311,955	\$1,053,638
Proctor	\$232,675	1.30%	1.22%	\$12,969	1.19%	\$11,965	1.19%	\$15,723	1.29%	\$34,489	1.41%	\$8,672	1.34%	\$25,328	\$109,146	\$341,820
Hermantown	\$402,733	2.25%	1.40%	\$14,902	1.81%	\$18,191	1.81%	\$23,905	2.21%	\$59,201	2.44%	\$14,995	2.36%	\$44,811	\$176,004	\$578,737
Esko	\$112,641	0.63%	0.42%	\$4,444	0.52%	\$5,259	0.52%	\$6,911	0.61%	\$16,377	0.67%	\$4,109	0.66%	\$12,595	\$49,695	\$162,337
Scanlon	\$103,087	0.58%	0.22%	\$2,390	0.24%	\$2,371	0.24%	\$3,115	0.45%	\$12,043	0.49%	\$3,019	0.54%	\$10,303	\$33,242	\$136,329
Carlton	\$75,441	0.42%	0.45%	\$4,839	0.46%	\$4,573	0.46%	\$6,010	0.49%	\$13,148	0.54%	\$3,292	0.53%	\$10,043	\$41,905	\$117,347
Rice Lake	\$36,656	0.21%	0.20%	\$2,176	0.20%	\$2,049	0.20%	\$2,692	0.19%	\$5,032	0.21%	\$1,280	0.22%	\$4,138	\$17,367	\$54,023
Twin Lake	\$72,526	0.41%	0.24%	\$2,535	0.24%	\$2,356	0.24%	\$3,097	0.30%	\$8,032	0.33%	\$2,060	0.32%	\$6,101	\$24,181	\$96,707
Pike Lake	\$59,368	0.33%	0.28%	\$3,024	0.20%	\$2,003	0.20%	\$2,633	0.28%	\$7,629	0.31%	\$1,929	0.30%	\$5,619	\$22,837	\$82,205
Knife River	\$13,464	0.08%	0.08%	\$810	0.07%	\$731	0.07%	\$960	0.08%	\$2,019	0.08%	\$507	0.08%	\$1,486	\$6,513	\$19,976
Oliver	\$13,072	0.07%	0.05%	\$584	0.05%	\$523	0.05%	\$687	0.06%	\$1,683	0.07%	\$426	0.07%	\$1,240	\$5,142	\$18,215
Thomson	\$6,109	0.03%	0.04%	\$447	0.04%	\$415	0.04%	\$546	0.04%	\$1,178	0.05%	\$300	0.05%	\$880	\$3,765	\$9,874
Wrenshall	\$16,357	0.09%	0.07%	\$736	0.08%	\$760	0.08%	\$999	0.10%	\$2,646	0.11%	\$674	0.11%	\$2,036	\$7,852	\$24,209
Jay Cooke	\$1,199	0.01%	0.03%	\$316	0.02%	\$190	0.02%	\$250	0.01%	\$280	0.01%	\$72	0.01%	\$207	\$1,316	\$2,515
Midway	\$1,899	0.01%	0.08%	\$824	0.07%	\$736	0.07%	\$967	0.01%	\$238	0.01%	\$62	0.01%	\$178	\$3,003	\$4,902
MPCA Landfill	\$1,544	0.01%	0.11%	\$1,131	0.13%	\$1,278	0.13%	\$1,679	0.09%	\$2,363	0.10%	\$610	0.02%	\$443	\$7,505	\$9,049
Unused	\$0	0.00%	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	\$0	\$0
Duluth - North Shore	\$30,662	0.17%	0.22%	\$2,386	0.20%	\$2,016	0.20%	\$2,649	0.19%	\$5,206	0.21%	\$1,316	0.20%	\$3,834	\$17,406	\$48,068
Georgia Pacific *	\$0	0.00%		\$11,641		\$8,240									\$19,881	\$19,881
Sappi	\$9,058,491	50.70%	36.39%	\$388,370	37.87%	\$379,624	37.87%	\$498,875	38.27%	\$1,026,612	44.80%	\$275,579	42.40%	\$803,719	\$3,372,779	\$12,431,269
ST Paper 1	\$207,158	1.16%	14.43%	\$153,974	13.19%	\$132,228	13.19%	\$173,765	13.61%	\$365,011	2.29%	\$14,094	7.50%	\$142,168	\$981,240	\$1,188,398
USG	\$350,801	1.96%	2.57%	\$27,466	2.67%	\$26,730	2.67%	\$35,127	1.92%	\$51,411	2.17%	\$13,354	2.00%	\$38,001	\$192,089	\$542,890
Specialty Minerals	\$94,551	0.53%	0.87%	\$9,322	0.67%	\$6,756	0.67%	\$8,879	0.68%	\$18,163	0.72%	\$4,436	0.69%	\$13,117	\$60,673	\$155,224
TOTALS	\$17,866,149	100.00%		\$1,078,955		\$1,010,736		\$1,317,410		\$2,682,430		\$615,123		\$1,895,345	\$8,600,000	\$26,466,149
			100.00%			100.00%				100.00%				100.00%		

Western Lake Superior Sanitary District
Billing Detail
2022 Budget

Line No.	Class of Service	Operating Expenses, based on Actual Flows and Loads					Debt Svc - based on Allocated Flows and Loads						TOTAL
		Flow	Excess FI	BOD	TSS	TOTAL	FLOW	PEAK FLOW	TOTAL FLOW	BOD	TSS	TOTAL	
	Municipalities:												
1	Duluth	\$2,973,587	\$403,817	\$982,813	\$1,873,813	\$6,234,031	\$1,376,070	\$935,381	\$2,311,451	\$323,993	\$499,061	\$3,134,505	\$9,368,535
2	Cloquet	\$269,262	\$50,046	\$128,800	\$293,576	\$741,683	\$112,433	\$93,376	\$205,809	\$37,109	\$69,037	\$311,955	\$1,053,638
3	Proctor	\$105,363	\$17,717	\$39,763	\$69,832	\$232,675	\$48,415	\$34,198	\$82,613	\$11,336	\$15,197	\$109,146	\$341,820
4	Hermantown	\$152,191	\$36,240	\$86,277	\$128,025	\$402,733	\$58,777	\$52,227	\$111,004	\$29,542	\$35,458	\$176,004	\$578,737
5	Esko	\$48,280	\$9,132	\$19,731	\$35,498	\$112,641	\$18,516	\$15,106	\$33,622	\$6,621	\$9,453	\$49,695	\$162,337
6	Scanlon	\$39,570	\$9,560	\$21,149	\$32,808	\$103,087	\$11,466	\$12,190	\$23,655	\$4,566	\$5,020	\$33,242	\$136,329
7	Carlton	\$35,121	\$7,018	\$12,004	\$21,299	\$75,441	\$21,167	\$13,454	\$34,621	\$3,096	\$4,188	\$41,905	\$117,347
8	Rice Lake	\$14,048	\$3,451	\$7,508	\$11,648	\$36,656	\$6,842	\$5,302	\$12,144	\$2,468	\$2,755	\$17,367	\$54,023
9	Twin Lake	\$16,390	\$3,797	\$21,899	\$30,440	\$72,526	\$7,217	\$6,489	\$13,707	\$5,013	\$5,461	\$24,181	\$96,707
10	Pike Lake	\$23,414	\$4,027	\$12,514	\$19,413	\$59,368	\$8,685	\$7,327	\$16,012	\$3,235	\$3,590	\$22,837	\$82,205
11	Knife River	\$5,151	\$1,289	\$2,753	\$4,271	\$13,464	\$2,081	\$2,622	\$4,703	\$851	\$958	\$6,513	\$19,976
12	Oliver	\$5,151	\$897	\$2,753	\$4,271	\$13,072	\$1,914	\$1,620	\$3,535	\$761	\$846	\$5,142	\$18,215
13	Thomson	\$2,341	\$575	\$1,251	\$1,941	\$6,109	\$1,412	\$1,070	\$2,482	\$614	\$669	\$3,765	\$9,874
14	Wrenshall	\$6,322	\$1,415	\$3,379	\$5,242	\$16,357	\$3,115	\$2,149	\$5,264	\$1,226	\$1,361	\$7,852	\$24,209
15	Jay Cooke	\$468	\$92	\$250	\$388	\$1,199	\$518	\$300	\$818	\$229	\$269	\$1,316	\$2,515
16	Midway	\$702	\$51	\$563	\$582	\$1,899	\$1,376	\$772	\$2,148	\$374	\$481	\$3,003	\$4,902
17	MPCA Landfill	\$468	\$437	\$250	\$388	\$1,544	\$3,317	\$1,578	\$4,894	\$1,220	\$1,390	\$7,505	\$9,049
18	Unused	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	North Shore	\$11,707	\$2,991	\$6,257	\$9,707	\$30,662	\$6,177	\$6,066	\$12,243	\$2,425	\$2,738	\$17,406	\$48,068
21	Totals-Municipalities	\$3,709,539	\$552,553	\$1,349,916	\$2,543,141	\$8,155,148	\$1,689,497	\$1,191,227	\$2,880,725	\$434,680	\$657,933	\$3,973,338	\$12,128,486
	Industrials:												
22	Georgia Pacific	\$0	\$0	\$0	\$0	\$0	\$4,748	\$1,852	\$6,600	\$10,679	\$2,603	\$19,881	\$19,881
23	Sappi	\$3,863,322	\$86,286	\$3,188,515	\$1,920,368	\$9,058,491	\$1,314,181	\$469,647	\$1,783,828	\$1,075,809	\$513,141	\$3,372,779	\$12,431,269
24	ST Paper 1	\$117,070	\$86,286	\$1,125	\$2,677	\$207,158	\$335,237	\$156,549	\$491,786	\$434,712	\$54,742	\$981,240	\$1,188,398
25	USG	\$105,363	\$8,629	\$108,785	\$128,025	\$350,801	\$48,766	\$23,482	\$72,248	\$43,182	\$76,659	\$192,089	\$542,890
27	Specialty Minerals	\$56,194	\$2,991	\$450	\$34,916	\$94,551	\$21,776	\$9,784	\$31,560	\$166	\$28,947	\$60,673	\$155,224
28	Totals-Industrials	\$4,141,950	\$184,191	\$3,298,875	\$2,085,985	\$9,711,001	\$1,724,707	\$661,315	\$2,386,022	\$1,564,548	\$676,092	\$4,626,662	\$14,337,663
30	Totals-All Users	\$7,851,488	\$736,744	\$4,648,791	\$4,629,126	\$17,866,149	\$3,414,205	\$1,852,542	\$5,266,747	\$1,999,228	\$1,334,025	\$8,600,000	\$26,466,149

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Solid Waste Charges

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2022 Budget Version of Ten-year Costs

		Actual 2016	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Estimate 2021	Budget 2022	2023	2024	2025	2026	2027
Operations Fund Beginning Balance							\$2,880,343	\$2,902,959	\$2,483,690	\$2,113,190	\$1,631,190	\$1,150,690	\$538,690
Operating Surplus/Deficit minus Capital Fee							\$312,616	(\$84,269)	(\$173,000)	(\$262,000)	(\$353,000)	(\$447,000)	(\$542,000)
Transfer to Capital Fund							(\$290,000)	(\$335,000)	(\$197,500)	(\$220,000)	(\$127,500)	(\$165,000)	(\$155,000)
Operations Fund Ending Balance		\$2,041,528	\$2,508,051	\$2,719,809	\$2,866,246	\$2,880,343	\$2,902,959	\$2,483,690	\$2,113,190	\$1,631,190	\$1,150,690	\$538,690	(\$158,310)
EXPENSES													
Household Hazardous Waste (HHW)		\$806,455	\$834,778	862,550	\$797,124	\$915,570	\$908,060	\$930,054	\$949,000	\$968,000	\$987,000	\$1,007,000	\$1,027,000
Yard waste & Organics composting facility		\$317,062	\$316,927	321,627	\$315,051	\$311,161	\$316,528	\$363,191	\$370,000	\$377,000	\$385,000	\$393,000	\$401,000
Materials Recovery Center (MRC)		\$989,395	\$982,655	1,066,120	\$1,103,440	\$1,079,144	\$1,265,371	\$1,341,174	\$1,368,000	\$1,395,000	\$1,423,000	\$1,451,000	\$1,480,000
Environmental Programs		\$800,364	\$699,643	705,863	\$786,137	\$746,396	\$776,308	\$924,218	\$943,000	\$962,000	\$981,000	\$1,001,000	\$1,021,000
Solid Waste Grants		\$0	\$0	44,475	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Allocated Costs/SW Planning		\$1,582,626	\$1,620,099	\$1,695,782	\$1,705,766	\$1,919,132	\$1,847,607	\$1,906,082	\$1,944,000	\$1,983,000	\$2,023,000	\$2,063,000	\$2,104,000
Transfer station Costs		\$4,642,832	\$4,706,590	\$4,805,239	\$4,881,426	\$4,864,424	\$5,106,718	\$5,307,828	\$5,414,000	\$5,522,000	\$5,632,000	\$5,745,000	\$5,860,000
TOTAL PROGRAM EXPENSES:		\$9,138,734	\$9,160,692	\$9,501,656	\$9,588,944	\$9,835,827	\$10,220,592	\$10,772,548	\$10,988,000	\$11,207,000	\$11,431,000	\$11,660,000	\$11,893,000
Operations Fund Goal (Was 15% thru 2014)		\$1,113,526	\$1,174,104	\$1,176,880	\$1,242,851	\$1,278,469	\$1,366,180	\$1,393,500	\$1,421,250	\$1,449,750	\$1,478,750	\$1,508,250	\$1,538,415
SOLID WASTE FEE REVENUES													
Line Item fee (St. Louis Cty)		\$923,175	\$930,832	\$933,775	\$937,264	\$1,007,699	\$944,150	\$946,275	\$946,000	\$946,000	\$946,000	\$946,000	\$946,000
Line Item fee (Carlton Cty)		\$177,088	\$175,075	\$196,688	\$197,688	\$204,783	\$192,888	\$194,150	\$194,000	\$194,000	\$194,000	\$194,000	\$194,000
Property Tax Subtotal		\$1,100,263	\$1,105,907	\$1,130,463	\$1,134,952	\$1,212,482	\$1,137,038	\$1,140,425	\$1,140,000	\$1,140,000	\$1,140,000	\$1,140,000	\$1,140,000
Hauler Collected Fee		\$2,423,949	\$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
SW MGMT FEE TOTAL		\$3,524,212	\$3,595,151	\$3,685,975	\$3,716,353	\$3,715,828	\$3,752,038	\$3,755,425	\$3,755,000	\$3,755,000	\$3,755,000	\$3,755,000	\$3,755,000
FEES, GRANTS, AND REVENUE													
Transfer Station Fees		\$4,582,820	\$4,687,503	\$4,751,643	\$4,848,880	\$4,863,223	\$4,988,166	\$5,180,945	\$5,285,000	\$5,391,000	\$5,499,000	\$5,609,000	\$5,721,000
Transfer Station Administration Fees		\$122,486	\$131,760	\$132,433	\$129,952	\$127,006	\$132,215	\$135,630	\$136,000	\$136,000	\$136,000	\$136,000	\$136,000
Capital Improvement Fees collected at Transfer Sta		\$89,830	\$112,097	\$113,832	\$109,125	\$109,484	\$111,746	\$116,228	\$116,228	\$116,228	\$116,228	\$116,228	\$116,228
Solid Waste Grant Revenue		\$40,691	\$15,738	\$20,114									
MRC Fees		\$512,003	\$531,383	\$578,805	\$611,206	\$573,251	\$652,500	\$669,990	\$683,000	\$697,000	\$711,000	\$725,000	\$740,000
St. Louis & County Reimbursement		\$68,164	\$71,879	\$78,675	\$62,690	\$80,814	\$75,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000
Compost/Yard Waste fees		\$134,518	\$162,775	\$151,090	\$117,417	\$133,991	\$121,539	\$121,539	\$124,000	\$126,000	\$129,000	\$132,000	\$135,000
SCORE Grant		\$308,919	\$305,241	\$297,253	\$298,598	\$299,188	\$298,598	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
District HHW grants		\$71,107	\$74,211	\$68,203	\$68,577	\$69,228	\$68,038	\$69,000	\$69,000	\$69,000	\$69,000	\$69,000	\$69,000
County HHW payments/grants		\$170,709	\$155,690	\$195,252	\$200,149	\$209,966	\$176,500	\$178,500	\$182,000	\$186,000	\$190,000	\$194,000	\$198,000
Paint Care		\$191,615	\$170,294	\$176,495	\$169,901	\$101,147	\$262,899	\$186,000	\$190,000	\$194,000	\$198,000	\$202,000	\$206,000
Other revenue/interest income		\$29,710	\$42,103	\$70,033	\$68,366	\$36,232	\$5,716	\$11,250	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000
SUBTOTAL		\$6,322,572	\$6,460,674	\$6,633,828	\$6,684,861	\$6,603,530	\$6,892,917	\$7,049,082	\$7,176,228	\$7,306,228	\$7,439,228	\$7,574,228	\$7,712,228
ALL REVENUE TOTAL:		\$9,846,784	\$10,055,825	\$10,319,803	\$10,401,214	\$10,319,358	\$10,644,954	\$10,804,507	\$10,931,228	\$11,061,228	\$11,194,228	\$11,329,228	\$11,467,228
Surplus / (Deficit)		\$708,050	\$895,133	\$818,147	\$812,270	\$483,531	\$424,362	\$31,959	(\$56,772)	(\$145,772)	(\$236,772)	(\$330,772)	(\$425,772)
Capital Projects		\$239,830	\$262,096	\$263,832	\$459,125	\$109,484	\$401,746	\$451,228	\$313,728	\$336,228	\$243,728	\$281,228	\$271,228
Financial Statement - Surplus/(Deficit)		\$468,220	\$633,037	\$554,315	\$353,145	\$374,047	\$22,616	(\$419,269)	(\$370,500)	(\$482,000)	(\$480,500)	(\$612,000)	(\$697,000)

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2022 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
Budgeted O&M Expenses	\$930,054	\$924,218	\$363,191	\$0		\$5,307,828	\$1,341,174	\$451,228		\$9,317,694
Direct & Indirect Cost Allocation					\$1,906,082					\$1,906,082
Total Expenses	\$930,054	\$924,218	\$363,191	\$0	\$1,906,082	\$5,307,828	\$1,341,174	\$451,228	\$0	\$11,223,776
Revenues:										
District HHW grants	\$69,000									\$69,000
Regional Program Grants/HHW Contracts	\$78,000									\$78,000
Very Small Quantity Generator & other fees	\$100,500									\$100,500
Paint Care	\$186,000									\$186,000
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			\$121,539							\$121,539
Trf Station tipping fees						\$5,180,945				\$5,180,945
Trf Station - Admin fee						\$126,883	\$8,747			\$135,630
Trf Station - Capital								\$116,228		\$116,228
Solid Waste Grants				\$0						\$0
Material Recovery Fees							\$669,990			\$669,990
Investment & other revenue					\$11,250					\$11,250
Total Revenue:	\$523,500	\$200,000	\$191,539	\$0	\$11,250	\$5,307,828	\$698,737	\$116,228	\$0	\$7,049,082
Net Cost:	(\$406,554)	(\$724,218)	(\$171,652)	\$0	(\$1,894,832)	(\$0)	(\$642,437)	(\$335,000)	\$0	(\$4,174,694)
Solid Waste Fee Revenue	\$406,554	\$724,218	\$171,652	\$0	\$1,894,832	\$0	\$642,437	\$335,000	(\$419,269)	\$3,755,425
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$419,269)	(\$419,269)

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MSW In District	2022 Estimated Volume (tons)	Operation, Transport and Disposal Costs	Budgeted Capital Fee	Budgeted Admin Fee	Budgeted Operations and Disposal Fees	2022 Budgeted Revenue
District Haulers (tons)						
In District	53,000	\$2,647,663	\$0	\$53,000	\$2,647,663	\$2,700,663
Carlton County (tons) *	10,824	\$432,493	\$0	\$10,824	\$432,493	\$443,317
Solid Waste Genl (tons)	50	\$2,498	\$0	\$50	\$2,498	\$2,548
Rejected Organics	4	\$200	\$0	\$4	\$200	\$204
Cleanup (tons)	50	\$2,498	\$0	\$0	\$2,498	\$0
Total	63,928	\$3,085,352	\$0	\$63,878	\$3,085,352	\$3,146,732

MSW out of District	2022 Estimated Volume (tons)	Operations and Transport Costs	Budgeted Capital Fee	Budgeted Admin Fee	Budgeted Operations and Disposal Fees	2022 Budgeted Revenue
Carlton County (tons) *	2,376	\$94,938	\$7,128	\$4,752	\$94,938	\$106,818
Cook County (tons)	3,600	\$179,841	\$10,800	\$7,200	\$179,841	\$197,841
Lake County (tons)	6,500	\$324,713	\$19,500	\$13,000	\$324,713	\$357,213
Superior (tons)	9,000	\$449,603	\$27,000	\$18,000	\$449,603	\$494,603
Total	21,476	\$1,049,095	\$64,428	\$42,952	\$1,049,095	\$1,156,475

Mixed Loads	2022 Estimated Volume (tons)	Operations and Transport Costs	Budgeted Capital Fee	Budgeted Admin Fee	Budgeted Operations and Disposal Fees	2022 Budgeted Revenue
In District	9,000	\$449,603	\$18,000	\$9,000	\$449,603	\$476,603
Out of District	4,000	\$199,824	\$12,000	\$8,000	\$199,824	\$219,824
Carlton in District*	8,200	\$327,647	\$16,400	\$8,200	\$327,647	\$352,247
Carlton Out of District*	1,800	\$71,922	\$5,400	\$3,600	\$71,922	\$80,922
Total	23,000	\$1,048,996	\$51,800	\$28,800	\$1,048,996	\$1,129,596

Transfer Station Totals	2022 Estimated Volume (tons)	Operations and Transport Costs	Budgeted Capital Fee	Budgeted Admin Fee	Budgeted Operations and Disposal Fees	2022 Budgeted Revenue
MSW In District	63,928	\$3,085,352	\$0	\$63,878	\$3,085,352	\$3,146,732
MSW Out of District	21,476	\$1,049,095	\$64,428	\$42,952	\$1,049,095	\$1,156,475
Mixed Loads	23,000	\$1,048,996	\$51,800	\$28,800	\$1,048,996	\$1,129,596
Unacceptable Revenue	-	\$2,417	-	-	\$2,417	\$64,125
Transfer Station Totals	108,404	\$5,185,859	\$116,228	\$135,630	\$5,185,859	\$5,496,928

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Transfer Station Fees 7/1/21 to 6/30/22

MSW Rates (In District)

WLSSD Transfer Station	7/1/21 RATES
Operational Costs	\$4.50
Transport Costs (separate)	\$5.40
Disposal Costs (separate)	\$26.69
WLSSD Capital Charge	\$0.00
WLSSD Administrative Fee	\$1.00
Wisconsin Environmental Fees	\$6.00
Wisconsin Recycling Fee	\$7.00
Total Cost	\$50.59

Mixed Load Rate (In District)

WLSSD Transfer Station	7/1/21 RATES
Operational Costs	\$4.50
Transport Costs (separate)	\$5.40
Disposal Costs (separate)	\$26.69
WLSSD Capital Charge	\$2.00
WLSSD Administrative Fee	\$1.00
Wisconsin Environmental Fees	\$6.00
Wisconsin Recycling Fee	\$7.00
Total Cost	\$52.59

MSW Rates (Out of District Waste)

WLSSD Transfer Station	7/1/21 RATES
Operational Costs	\$4.50
Transport Costs (separate)	\$5.40
Disposal Costs (separate)	\$26.69
WLSSD Capital Charge	\$3.00
WLSSD Administrative Fee	\$2.00
Wisconsin Environmental Fees	\$6.00
Wisconsin Recycling Fee	\$7.00
Total Cost	\$54.59

Mixed Load Rates (Out of District Waste)

WLSSD Transfer Station (Out of District Haulers)	7/1/21 RATES
Operational Costs	\$4.50
Transport Costs (separate)	\$5.40
Disposal Costs (separate)	\$26.69
WLSSD Capital Charge	\$3.00
WLSSD Administrative Fee	\$2.00
Wisconsin Environmental Fees	\$6.00
Wisconsin Recycling Fee	\$7.00
Total Cost	\$54.59

The Operational Costs, Transport Fees and Disposal Fees will be adjusted on July 1, 2022 based on the Consumer Price Index (CPI).

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Material Recovery Center Rate Schedule for 2022

Waste Type	Rate	Unit
Mixed Waste	\$22.00	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	\$17.00	Each
Mattresses - wet	\$19.00	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 2022

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.



RESOLUTION 21 - 13

RESOLUTION ESTABLISHING SOLID WASTE MANAGEMENT FEE TO BE COLLECTED BY SOLID WASTE COLLECTORS

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, 2022, and it shall remain in effect until amended or repealed by the Board.

Dated this 27th day of September, 2021.

WESTERN LAKE SUPERIOR SANITARY
DISTRICT

By: Marcia Podratz
Chair

By: Ruth Janke
Secretary



RESOLUTION 21 - 10

RESOLUTION 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 13, 2021, 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 2022 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 27th day of September, 2021.

WESTERN LAKE SUPERIOR SANITARY DISTRICT

By: Marcia Podratz
Chair

By: Ruth Janke
Secretary



RESOLUTION 21 – 11

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. 21-10 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 2022.

Dated this 27th day of September, 2021.

WESTERN LAKE SUPERIOR SANITARY DISTRICT

By Marcie Podratz
Chair

By Ruth Janke
Secretary



RESOLUTION 21 - 12

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 21-10 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 2022.

Dated this 27th day of September, 2021.

WESTERN LAKE SUPERIOR SANITARY DISTRICT

By Marcia Podratz
Chair

By Ruth Janke
Secretary

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District-Wide Allocation

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**WLSSD DISTRICT-WIDE ALLOCATION
2022 BUDGET**

	TAX CAPACITY			TAX CAPACITY		
	VALUE 2021	% OF	DWA	VALUE 2022	% OF	DWA
	(THOUSANDS)	TOTAL	2021	(THOUSANDS)	TOTAL	2022
<u>ST. LOUIS COUNTY</u>						
DULUTH	\$84,237	61.99%	\$220,074	\$87,700	62.28%	\$221,104
HERMANTOWN	\$14,736	10.84%	\$38,499	\$14,844	10.54%	\$37,424
PROCTOR	\$2,841	2.09%	\$7,422	\$2,839	2.02%	\$7,158
CANOSIA	\$2,791	2.05%	\$7,292	\$2,901	2.06%	\$7,314
DULUTH TOWNSHIP	\$635	0.47%	\$1,660	\$655	0.47%	\$1,651
GRAND LAKE	\$3,315	2.44%	\$8,661	\$3,438	2.44%	\$8,668
LAKEWOOD *	\$641	0.47%	\$1,674	\$674	0.48%	\$1,699
MIDWAY *	\$546	0.40%	\$1,426	\$537	0.38%	\$1,354
RICE LAKE	\$3,745	2.76%	\$9,784	\$3,968	2.82%	\$10,004
SOLWAY *	\$549	0.40%	\$1,434	\$546	0.39%	\$1,376
SUBTOTAL	\$114,036	83.92%	\$297,925	\$118,102	83.87%	\$297,751
<u>CARLTON COUNTY</u>						
CARLTON/THOMSON	\$723	0.53%	\$1,889	\$704	0.50%	\$1,775
CLOQUET	\$9,378	6.90%	\$24,501	\$9,609	6.82%	\$24,226
SCANLON	\$837	0.62%	\$2,187	\$881	0.63%	\$2,221
WRENSHALL	\$379	0.28%	\$990	\$394	0.28%	\$993
SILVERBROOK*	\$595	0.44%	\$1,553	\$629	0.45%	\$1,585
THOMSON TOWNSHIP	\$6,662	4.90%	\$17,405	\$6,990	4.96%	\$17,623
TWIN LAKES	\$3,273	2.41%	\$8,551	\$3,501	2.49%	\$8,826
SUBTOTAL	\$21,847	16.08%	\$57,075	\$22,708	16.13%	\$57,249
TOTAL DWA	\$135,882	100.00%	\$355,000	\$140,810	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 and wastewater solids leave as grit/screenings for landfilling or as biosolids for recycling or disposal.

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 wastes 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.

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**

	BUDGET 2020	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHANGE BUDG 22/ BUDG 2020	% CHANGE BUDG 22/ EST 2021
OPERATIONS						
WASTEWATER TREATMENT						
4000 CLEAN WATER PRODUCTION	\$ 5,926,859	\$ 5,717,656	\$ 5,792,709	\$ 6,546,761	10.5%	13.0%
4200 CONVEYANCE SYSTEM	\$ 2,054,791	\$ 1,805,788	\$ 1,925,678	\$ 2,082,319	1.3%	8.1%
4300 BIOSOLIDS	\$ 933,739	\$ 872,231	\$ 873,170	\$ 904,836	-3.1%	3.6%
4550 MAINTENANCE	\$ -	\$ -	\$ -	\$ -	-	-
4700 ENV PROG WW	\$ 275,994	\$ 216,405	\$ 198,091	\$ 258,673	-6.3%	30.6%
4800 WW GRANTS	\$ -	\$ -	\$ -	\$ -	-	-
SUB TOTAL	<u>\$ 9,191,384</u>	<u>\$ 8,612,080</u>	<u>\$ 8,789,648</u>	<u>\$ 9,792,588</u>	<u>6.5%</u>	<u>11.4%</u>
SOLID WASTE OPERATIONS						
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>
OPERATIONS & MAINTENANCE						
6600 MECHANICAL MAINTENANCE	\$ 2,105,134	\$ 1,968,826	\$ 1,967,342	\$ 2,093,206	-0.6%	6.4%
6800 ELECTRICAL MAINTENANCE	\$ 1,304,351	\$ 1,229,419	\$ 1,244,305	\$ 1,277,332	-2.1%	2.7%
BUSINESS SERVICES						
6000 BUSINESS SERVICES	\$ 1,696,750	\$ 1,658,958	\$ 1,686,444	\$ 1,747,734	3.0%	3.6%
PLANNING & TECH SERVICES						
7000 PLANNING & ENGINEERING	\$ 985,046	\$ 792,720	\$ 799,911	\$ 887,954	-9.9%	11.0%
7400 MANAGEMENT INFO SYS	\$ 644,045	\$ 653,838	\$ 662,687	\$ 725,093	12.6%	9.4%
7700 LAB SERVICES	\$ 890,091	\$ 811,528	\$ 810,940	\$ 872,239	-2.0%	7.6%
SUB TOTAL	<u>\$ 2,519,181</u>	<u>\$ 2,258,086</u>	<u>\$ 2,273,538</u>	<u>\$ 2,485,286</u>	<u>-1.3%</u>	<u>9.3%</u>
TOTAL	<u><u>\$ 16,816,800</u></u>	<u><u>\$ 15,727,368</u></u>	<u><u>\$ 15,961,278</u></u>	<u><u>\$ 17,396,147</u></u>	<u><u>3.4%</u></u>	<u><u>9.0%</u></u>

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WESTERN LAKE SUPERIOR SANITARY DISTRICT
Clean Water Production 4000

	BUDGET 2020	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHANGE BUDG 22/ BUDG 2020	% CHANGE BUDG 22/ EST 2021
4010 DIRECT WAGES	1,142,519	1,100,844	1,089,008	1,168,599	2.3%	7.3%
4020 SUNDAY PREMIUM	56,435	54,534	54,534	56,415	0.0%	3.4%
4030 HOLIDAY PREMIUM	9,876	9,543	9,543	30,127	205.1%	215.7%
4040 SHIFT	12,870	12,155	12,155	11,992	-6.8%	-1.3%
4050 VACATION	87,270	83,407	95,243	102,196	17.1%	7.3%
4060 HOLIDAY	45,723	44,375	44,375	47,645	4.2%	7.4%
4070 PERSONAL LEAVE	15,241	14,792	14,792	15,882	4.2%	7.4%
4080 SICK	46,279	44,763	44,763	48,395	4.6%	8.1%
SUB TOTAL	1,416,212	1,364,413	1,364,413	1,481,250	4.6%	8.6%
4090 OVERTIME	112,000	112,000	119,000	112,000	0.0%	-5.9%
SUB TOTAL	1,528,212	1,476,413	1,483,413	1,593,250	4.3%	7.4%
4200 EMPLOYERS FICA	94,923	91,711	91,711	98,949	4.2%	7.9%
4210 EMPLOYERS FICA/MEDIC	22,200	21,449	21,449	23,141	4.2%	7.9%
4220 EMPLOYERS PERA	114,766	110,881	110,881	119,494	4.1%	7.8%
4240 GROUP HOSP/MED	297,880	302,333	302,333	336,453	12.9%	11.3%
4260 GROUP DENTAL	15,125	14,632	14,632	14,860	-1.8%	1.6%
4280 GROUP LIFE	1,421	1,396	1,396	1,451	2.1%	3.9%
4300 LONG-TERM DISABILITY	3,744	3,607	3,607	3,872	3.4%	7.3%
4350 UNEMPLOYMENT	0	0	0		-	-
SUB TOTAL	550,058	546,009	546,010	598,219	8.8%	9.6%
TOTAL PAYROLL	2,078,270	2,022,422	2,029,422	2,191,469	5.4%	8.0%
4520 CONTRACT CLEANING	32,000	32,000	32,647	42,000	31.3%	28.6%
4800 FUEL OIL	4,000	2,000	2,000	2,000	-50.0%	0.0%
4820 NATURAL GAS	144,024	118,104	145,863	157,372	9.3%	7.9%
5000 ELECTRICITY	1,849,889	1,685,016	1,630,409	1,849,037	0.0%	13.4%
5200 TELEPHONE	3,370	3,370	4,342	3,370	0.0%	-22.4%
5230 DIESEL	0	0	0	0	-	-
5240 WATER	133,212	164,522	155,321	175,603	31.8%	13.1%
5241 STORM WATER FEE	12,394	13,787	7,841	13,787	11.2%	75.8%
5710 GRIT DISPOSALS	11,845	13,030	15,204	19,266	62.7%	26.7%
5860 CONT SERV-OTHER	29,600	86,900	85,000	177,900	501.0%	109.3%
6000 SUPPLIES-BUILDING	23,500	23,500	23,500	24,000	2.1%	2.1%
6010 SUPPLIES-EQUIPMENT	75,000	70,000	75,000	75,000	0.0%	0.0%
6020 SUPPLIES - FILTER MEDIA	0	0	0	0	-	-
6090 SUPPLIES-OTHER	0	0	0	0	-	-
6300 CHEMICALS-GENERAL	36,640	30,524	28,000	35,344	-3.5%	26.2%
6310 CHEMICALS-ODOR CNTRL	0	0	0	0	-	-
6315 CHEMICALS-LIQUID OXYGEN	33,957	11,239	25,000	10,980	-67.7%	-56.1%
6320 CHEMICALS-SODIUM HYPOCH	455,116	425,371	352,967	457,529	0.5%	29.6%
6330 CHEMICALS-POLYMER THICKE	140,735	101,601	179,942	175,725	24.9%	-2.3%
6335 CHEMICALS-POLYMER DEWAT	668,221	666,163	743,772	712,474	6.6%	-4.2%
6360 CHEMICALS-BOILER	1,000	2,000	1,000	2,000	100.0%	100.0%
6370 CHEMICALS-DEFOAMANT	32,355	33,048	38,416	52,275	61.6%	36.1%
6410 CHEMICALS-SODIUM BISULF	2,221	2,221	2,000	2,222	0.0%	11.1%
6420 CHEMICALS-FERRIC	128,835	183,638	187,689	336,034	160.8%	79.0%
6910 TRAINING EXPENSES	9,000	4,500	5,000	9,000	0.0%	80.0%
7800 LAUNDRY	4,000	4,200	3,874	3,874	-3.2%	0.0%
7810 ENGINEERING SERV	0	0	0	0	-	-
8000 DUES	17,200	18,000	18,000	18,000	4.7%	0.0%
8010 PUBLICATIONS	475	500	500	500	5.3%	0.0%
8250 DISCOUNTS			0	0	-	-
TOTAL NON-PAYROLL	3,848,589	3,695,234	3,763,287	4,355,292	13.2%	15.7%
TOTAL	5,926,859	5,717,656	5,792,709	6,546,761	10.5%	13.0%

WESTERN LAKE SUPERIOR SANITARY DISTRICT
Conveyance 4200

	BUDGET	BUDGET	ESTIMATE	BUDGET	% CHANGE	% CHANGE
	2020	2021	2021	2022	BUDG 22/ BUDG 2020	BUDG 22/ EST 2021
4010 DIRECT WAGES	278,688	279,495	275,268	300,219	7.7%	9.1%
4020 SUNDAY PREMIUM	0	0	0	0	-	-
4030 HOLIDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	550	550	550	565	2.7%	2.7%
4050 VACATION	29,484	29,922	34,149	35,589	20.7%	4.2%
4060 HOLIDAY	11,463	11,656	11,656	12,662	10.5%	8.6%
4070 PERSONAL LEAVE	3,821	3,885	3,885	4,221	10.5%	8.6%
4080 SICK	11,574	11,780	11,780	13,093	13.1%	11.1%
SUB TOTAL	335,581	337,288	337,289	366,348	9.2%	8.6%
4090 OVERTIME	40,000	35,000	35,000	35,000	-12.5%	0.0%
SUB TOTAL	375,581	372,288	372,289	401,348	6.9%	7.8%
4200 EMPLOYERS FICA	23,323	23,119	23,119	24,915	6.8%	7.8%
4210 EMPLOYERS FICA/MEDIC	5,455	5,407	5,407	5,827	6.8%	7.8%
4220 EMPLOYERS PERA	28,169	27,922	27,922	30,101	6.9%	7.8%
4240 GROUP HOSP/MED	102,791	105,487	105,487	111,925	8.9%	6.1%
4260 GROUP DENTAL	4,567	4,348	4,348	4,625	1.3%	6.4%
4280 GROUP LIFE	338	339	339	346	2.2%	1.9%
4300 LONG-TERM DISABILITY	938	943	943	1,024	9.2%	8.6%
SUB TOTAL	165,581	167,565	167,565	178,763	8.0%	6.7%
TOTAL PAYROLL	541,161	539,853	539,854	580,111	7.2%	7.5%
4820 FUEL-NATURAL GAS	4,500	4,500	4,500	4,120	-8.4%	-8.4%
5000 ELECTRICITY	1,018,630	1,000,013	1,000,000	1,093,088	7.3%	9.3%
5200 TELEPHONE	2,000	4,000	4,000	4,800	140.0%	20.0%
5210 TELEMETER	125,000	110,000	92,000	112,500	-10.0%	22.3%
5230 DIESEL	4,500	4,500	4,500	4,500	0.0%	0.0%
5240 WATER	20,000	22,000	34,803	15,000	-25.0%	-56.9%
5241 STORM WATER FEE			500	200	-	-60.0%
5570 REPAIRS-INTERCEPTORS	20,000	20,000	60,000	40,000	100.0%	-33.3%
5580 CLEAN-INTERCEPTORS	250,000	43,922	120,000	150,000	-40.0%	25.0%
5805 CONT SERV-BIOFILTER	12,000	0	5,721	10,000	-16.7%	74.8%
5860 CONT SERV-OTHER	10,000	10,000	10,000	10,000	0.0%	0.0%
6000 SUPPLIES-BUILDING		0	800	1,000	-	25.0%
6010 SUPPLIES-EQUIPMENT	22,000	22,000	22,000	25,000	13.6%	13.6%
6090 SUPPLIES-OTHER		0	0		-	-
6120 SUPPLIES SITE		0	0		-	-
6910 TRAINING EXPENSES	4,500	3,000	5,000	5,000	11.1%	0.0%
7200 EASEMENTS	18,000	20,000	20,000	25,000	38.9%	25.0%
7800 LAUNDRY	2,500	2,000	2,000	2,000	-20.0%	0.0%
8250 DISCOUNTS	0	0	0		-	-
TOTAL NON-PAYROLL	1,513,630	1,265,935	1,385,824	1,502,208	-0.8%	8.4%
TOTAL	2,054,791	1,805,788	1,925,678	2,082,319	1.3%	8.1%

WESTERN LAKE SUPERIOR SANITARY DISTRICT
Biosolids 4300

	BUDGET 2020	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHANGE BUDG 22/ BUDG 2020	% CHANGE BUDG 22/ EST 2021
4010 DIRECT WAGES	418,530	420,716	415,802	425,401	1.6%	2.3%
4040 SHIFT	0	0	0	21	-	-
4050 VACATION	41,233	41,264	46,178	40,090	-2.8%	-13.2%
4060 HOLIDAY	17,267	17,277	17,277	17,353	0.5%	0.4%
4070 PERSONAL LEAVE	5,756	5,759	5,759	5,784	0.5%	0.4%
4080 SICK	16,030	16,033	16,033	16,048	0.1%	0.1%
SUB TOTAL	498,816	501,049	501,049	504,697	1.2%	0.7%
4090 OVERTIME	25,000	10,000	13,000	13,000	-48.0%	0.0%
SUB TOTAL	523,816	511,049	514,049	517,697	-1.2%	0.7%
4200 EMPLOYERS FICA	32,613	31,821	31,821	32,234	-1.2%	1.3%
4210 EMPLOYERS FICA/MEDIC	7,627	7,442	7,442	7,539	-1.2%	1.3%
4220 EMPLOYERS PERA	39,436	38,479	38,479	38,827	-1.5%	0.9%
4240 GROUP HOSP/MED	166,424	158,611	158,611	167,298	0.5%	5.5%
4260 GROUP DENTAL	7,612	6,686	6,686	6,992	-8.1%	4.6%
4280 GROUP LIFE	656	657	657	665	1.3%	1.1%
4300 LONG-TERM DISABILITY	1,397	1,403	1,403	1,413	1.2%	0.7%
4350 UNEMPLOYMENT	0	0	0	0	-	-
SUB TOTAL	255,766	245,099	245,100	254,967	-0.3%	4.0%
TOTAL PAYROLL	779,581	756,148	759,149	772,664	-0.9%	1.8%
4820 FUEL-NATURAL GAS	3,800	3,000	2,208	3,000	-21.1%	35.9%
5000 ELECTRICITY	1,000	1,000	1,063	1,000	0.0%	-5.9%
5200 TELEPHONE	1,300	1,300	1,512	1,300	0.0%	-14.0%
5230 DIESEL	94,911	70,436	81,086	84,525	-10.9%	4.2%
5850 CONT SERV-LAND APPLICA			0		-	-
5852 CONT SERV-FIELD WORK	8,000	2,000	1,000	4,000	-50.0%	300.0%
5860 CONT SERV-OTHER	20,000	15,000	10,000	15,000	-25.0%	50.0%
6000 SUPPLIES-BUILDING	200	200	250	200	0.0%	-20.0%
6010 SUPPLIES-EQUIP	16,000	15,000	9,242	15,000	-6.3%	62.3%
6090 SUPPLIES-OTHER	500	500	672	500	0.0%	-25.6%
6110 SUPPLIES-SAFETY	600	600	730	600	0.0%	-17.8%
6910 TRAINING EXPENSES	5,000	5,000	3,706	5,000	0.0%	34.9%
7210 RENT-EQUIPMENT			0		-	-
7400 TRAVEL	600	0	0		-100.0%	-
7800 LAUNDRY	1,847	1,847	2,352	1,847	0.0%	-21.5%
8000 DUES	200	200	200	200	0.0%	0.0%
8010 PUBLICATIONS	200	0	0		-100.0%	-
8250 DISCOUNTS		0	0		-	-
TOTAL NON-PAYROLL	154,158	116,083	114,021	132,172	-14.3%	15.9%
TOTAL	933,739	872,231	873,170	904,836	-3.1%	3.6%

WESTERN LAKE SUPERIOR SANITARY DISTRICT
Environmental Programs Wastewater 4700

	BUDGET 2020	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHANGE BUDG 22/ BUDG 2020	% CHANGE BUDG 22/ EST 2021
4010 DIRECT WAGES	127,050	97,703	97,202	117,388	-7.6%	20.8%
4020 SUNDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	110	55	55	0	-100.0%	-100.0%
4050 VACATION	11,212	7,083	7,584	8,360	-25.4%	10.2%
4060 HOLIDAY	5,111	3,838	3,838	4,599	-10.0%	19.8%
4070 PERSONAL LEAVE	1,704	1,279	1,279	1,533	-10.0%	19.8%
4080 SICK	4,273	2,855	2,855	3,666	-14.2%	28.4%
SUB TOTAL	149,461	112,813	112,814	135,546	-9.3%	20.1%
4090 OVERTIME	6,000	3,000	3,000	6,000	0.0%	100.0%
SUB TOTAL	155,461	115,813	115,814	141,546	-9.0%	22.2%
4200 EMPLOYERS FICA	9,694	7,236	7,236	8,832	-8.9%	22.0%
4210 EMPLOYERS FICA/MEDIC	2,267	1,692	1,692	2,065	-8.9%	22.0%
4220 EMPLOYERS PERA	11,727	8,754	8,754	10,616	-9.5%	21.3%
4240 GROUP HOSP/MED	17,055	13,002	13,002	21,344	25.2%	64.2%
4260 GROUP DENTAL	830	664	664	947	14.2%	42.6%
4280 GROUP LIFE	229	202	202	226	-1.2%	11.8%
4300 LONG-TERM DISABILITY	418	316	316	380	-9.2%	20.2%
SUB TOTAL	42,220	31,866	31,866	44,411	5.2%	39.4%
TOTAL PAYROLL	197,681	147,679	147,680	185,957	-5.9%	25.9%
5200 TELEPHONE	210	210	210	210	0.0%	0.0%
5860 CONT SERV-OTHER	5,125	6,813	0	10,863	112.0%	
5880 CONT SERV-AD AGENCY	4,500	4,000	3,500	4,400	-2.2%	25.7%
6010 SUPPLIES-EQUIPMENT	500	500	0	500	0.0%	-
6090 SUPPLIES-OTHER	3,950	3,450	3,450	3,450	-12.7%	0.0%
6910 TRAINING EXPENSES	4,510	1,135	1,135	3,090	-31.5%	172.2%
7020 PUBLIC INFORMATION	19,138	18,538	21,000	21,200	10.8%	1.0%
7030 PUBLIC INFORMATION-RECY		0	0		-	-
7040 PUBLIC INFORMATION-HHW		0	0		-	-
7400 TRAVEL		0	0		-	-
7800 LAUNDRY	50	50	51	50	0.0%	-2.0%
8000 DUES	730	730	990	878	20.3%	-11.3%
8010 PUBLICATIONS		0	0		-	-
8200 POSTAGE	900	750	650	650	-27.8%	0.0%
8210 COPYING & PRINTING	7,450	5,925	8,800	5,200	-30.2%	-40.9%
8250 DISCOUNTS		0	0		-	-
8600 GRANTS TO GOV UNITS	16,500	16,500	4,125	12,600	-23.6%	205.5%
8620 PROGRAM DEVELOPMENT	14,750	10,125	6,500	9,625	-34.7%	48.1%
8625 PROGRAM DEV GRANT		0	0		-	-
TOTAL NON-PAYROLL	78,313	68,726	50,411	72,716	-7.1%	44.2%
TOTAL	275,994	216,405	198,091	258,673	-6.3%	30.6%

Allocated Departments

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WESTERN LAKE SUPERIOR SANITARY DISTRICT
Business Services 6000

	BUDGET	BUDGET	ESTIMATE	BUDGET	% CHANGE	% CHANGE
	2020	2021	2021	2022	BUDG 22/ BUDG 2020	BUDG 22/ EST 2021
4010 DIRECT WAGES	829,366	786,673	783,138	840,979	1.4%	7.4%
4040 SHIFT	0	0	0	0	-	-
4050 VACATION	72,096	77,658	81,194	87,057	20.8%	7.2%
4060 HOLIDAY	33,295	32,098	32,098	34,318	3.1%	6.9%
4070 PERSONAL LEAVE	11,098	10,699	10,699	11,439	3.1%	6.9%
4080 SICK	23,323	20,222	20,222	22,496	-3.5%	11.2%
SUB TOTAL	969,178	927,350	927,352	996,290	2.8%	7.4%
4090 OVERTIME	10,000	10,000	7,500	10,000	0.0%	33.3%
SUB TOTAL	979,178	937,350	934,852	1,006,290	2.8%	7.6%
4200 EMPLOYERS FICA	61,205	58,736	58,736	63,010	2.9%	7.3%
4210 EMPLOYERS FICA/MEDIC	14,314	13,737	13,737	14,736	2.9%	7.3%
4220 EMPLOYERS PERA	74,038	71,051	71,051	75,472	1.9%	6.2%
4240 GROUP HOSP/MED	187,159	223,155	223,155	231,637	23.8%	3.8%
4260 GROUP DENTAL	8,750	10,474	10,474	10,971	25.4%	4.7%
4280 GROUP LIFE	1,922	2,025	2,025	2,086	8.6%	3.0%
4300 LONG-TERM DISABILITY	2,714	2,597	2,597	2,790	2.8%	7.4%
4340 WORKERS COMP	190,000	190,000	175,000	180,000	-5.3%	2.9%
4350 UNEMPLOYMENT COMP	0	0	0	0	-	-
4390 OTHER BENEFITS	28,000	32,000	32,000	32,000	14.3%	0.0%
SUB TOTAL	568,101	603,775	588,774	612,702	7.9%	4.1%
TOTAL PAYROLL	1,547,279	1,541,125	1,523,626	1,618,991	4.6%	6.3%
4500 CONTRACT LABOR	0	0	0	0	-	-
4520 CONTRACT CLEANING	39,305	39,305	39,305	39,600	0.8%	0.8%
5000 ELECTRICITY	43,892	49,062	55,876	62,299	41.9%	11.5%
5200 TELEPHONE	16,980	17,400	19,850	21,300	25.4%	7.3%
5220 GASOLINE	24,000	20,250	19,614	23,100	-3.8%	17.8%
5860 CONT SERV-OTHER	40,552	38,602	45,000	42,886	5.8%	-4.7%
5870 CONT SERV-DP MAINT	229,654	232,701	232,701	236,103	2.8%	1.5%
5875 CONT SERV-SERV FEE	45,650	45,650	45,650	45,650	0.0%	0.0%
6070 SUPPLIES-OFFICE	4,500	4,500	4,000	4,500	0.0%	12.5%
6090 SUPPLIES-OTHER	4,000	4,500	10,700	4,500	12.5%	-57.9%
6140 SUPPLIES-TRAINING	0	0	0	0	-	-
6560 INSURANCE-PROPERTY/LIAB	170,000	170,000	170,000	175,000	2.9%	2.9%
6700 LEGAL	150,000	150,000	175,000	150,000	0.0%	-14.3%
6750 AUDIT	32,360	33,300	33,300	36,250	12.0%	8.9%
6900 SAFETY PROGRAM	89,374	80,339	79,425	84,025	-6.0%	5.8%
6905 TRAINING MATERIALS	500	500	250	500	0.0%	100.0%
6910 TRAINING EXPENSES	6,000	3,000	2,000	3,000	-50.0%	50.0%
6920 TRAINING-TRAVEL	0	0	30	250	-	733.3%
6930 PERSONNEL	12,500	5,000	20,000	10,000	-20.0%	-50.0%
6940 LICENSE REIMBURSE	1,000	1,000	1,500	1,500	50.0%	0.0%
6950 TUITION REIMBURSE	6,000	4,000	2,500	4,000	-33.3%	60.0%
7000 OTHER SPECIAL SERV	86,100	66,100	66,100	66,100	-23.2%	0.0%
7010 BOARD MEMBERS COMP	18,500	12,500	17,500	17,500	-5.4%	0.0%
7020 PUBLIC INFORMATION	0	0	0	0	-	-
7220 RENT-MOTOR VEHICLE	0	1,000	0	1,000	-	-
7300 MEETING EXPENSES	6,250	2,500	2,000	6,500	4.0%	225.0%
7400 TRAVEL	2,000	500	250	500	-75.0%	100.0%
8000 DUES	15,000	15,000	15,000	15,000	0.0%	0.0%
8010 PUBLICATIONS	4,000	4,000	5,000	5,000	25.0%	0.0%
8200 POSTAGE	16,000	12,500	12,000	16,000	0.0%	33.3%
8210 COPYING & PRINTING	17,500	16,000	15,000	17,000	-2.9%	13.3%
8250 DISCOUNTS	0	0	0	0	-	-
8500 BANK SERV CHARGE	350	350	100	350	0.0%	250.0%
TOTAL NON-PAYROLL	1,081,968	1,029,559	1,089,651	1,089,414	0.7%	0.0%
TOTAL	2,629,247	2,570,684	2,613,277	2,708,405	3.0%	3.6%

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

	BUDGET 2020	BUDGET 2021	ESTIMATE 2021	6600 & 6800 BUDGET 2022	% CHANGE BUDG 22/ BUDG 2020	% CHANGE BUDG 22/ EST 2021
4010 DIRECT WAGES	1,385,129	1,345,847	1,334,508	1,408,845	1.7%	5.6%
4020 SUNDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	116	111	110	538	365.5%	388.8%
4050 VACATION	93,577	96,541	107,881	115,019	22.9%	6.6%
4060 HOLIDAY	54,749	53,890	53,889	57,135	4.4%	6.0%
4070 PERSONAL LEAVE	18,250	17,964	17,963	19,045	4.4%	6.0%
4080 SICK	54,477	53,428	53,428	57,088	4.8%	6.8%
SUB TOTAL	1,606,297	1,567,781	1,567,779	1,657,669	3.2%	5.7%
4090 OVERTIME	52,092	50,000	47,000	55,000	5.6%	17.0%
SUB TOTAL	1,658,389	1,617,781	1,614,779	1,712,669	3.3%	6.1%
4200 EMPLOYERS FICA	103,093	100,575	100,575	106,446	3.3%	5.8%
4210 EMPLOYERS FICA/MEDIC	24,110	23,522	23,522	24,895	3.3%	5.8%
4220 EMPLOYERS PERA	124,709	121,663	121,663	128,450	3.0%	5.6%
4240 GROUP HOSP/MED	399,020	414,120	414,120	430,705	7.9%	4.0%
4260 GROUP DENTAL	17,904	17,033	17,033	16,778	-6.3%	-1.5%
4280 GROUP LIFE	1,803	1,759	1,759	1,821	1.0%	3.5%
4300 LONG-TERM DISABILITY	4,497	4,389	4,389	4,640	3.2%	5.7%
4350 UNEMPLOYMENT					-	
SUB TOTAL	675,138	683,061	683,061	713,735	5.7%	4.5%
TOTAL PAYROLL	2,333,527	2,300,842	2,297,841	2,426,404	4.0%	5.6%
4500 CONTRACT LABOR	0	0	0	0	-	-
5200 TELEPHONE	3,732	4,300	5,900	5,900	58.1%	0.0%
5230 DIESEL	1,870	1,700	1,700	1,800	-3.7%	5.9%
5510 INVOICE TOLERANCE	0	0	1	0	-	
5512 INVOICE MATCH WRITE OFF	0	0	63	0	-	-100.0%
5520 REPAIRS-MAINTENANCE	725,000	618,000	618,000	649,000	-10.5%	5.0%
5525 INVENTORY ADJUSTMENTS	0	0	-2,595	0	-	-
5530 INVENTORY COST VARIANCE	0	0	43	0	-	-100.0%
5800 CONT SERV-ELECTRIC	35,000	30,000	30,000	30,000	-14.3%	0.0%
5820 CONT SERV-O&M PLANT	120,000	100,000	100,000	110,000	-8.3%	10.0%
5835 CONT SERV-GENERATORS	33,000	33,000	28,000	35,200	6.7%	25.7%
5840 CONT SERV-MOBILE	162,000	130,000	130,000	140,000	-13.6%	7.7%
5860 CONT SERV-OTHER	136,300	112,000	111,500	112,000	-17.8%	0.4%
5895 MNSHARP REPAIR EXPENSE	0	0	0	0	-	-
6050 SUPPLIES-LUBE	14,000	15,500	15,500	15,000	7.1%	-3.2%
6060 SUPPLIES-MAINTENANCE	50,000	50,000	65,000	52,000	4.0%	-20.0%
6090 SUPPLIES-OTHER	0	0	15	0	-	-100.0%
6110 SUPPLIES-SAFETY	6,200	6,700	9,275	7,700	24.2%	-17.0%
6130 SUPPLIES-TOOLS	20,000	19,000	27,500	19,000	-5.0%	-30.9%
6910 TRAINING EXPENSES	16,000	12,000	10,600	15,000	-6.3%	41.5%
7210 RENT-EQUIPMENT	1,200	1,000	1,000	1,000	-16.7%	0.0%
7800 LAUNDRY	13,165	12,200	12,950	13,000	-1.3%	0.4%
8020 PERMITS	5,000	2,000	400	1,000	-80.0%	150.0%
8250 DISCOUNTS	0	0	0	0	-	-
TOTAL NON-PAYROLL	1,342,467	1,147,400	1,164,852	1,207,600	-10.0%	3.7%
TOTAL	3,675,994	3,448,242	3,462,693	3,634,004	-1.1%	4.9%

WESTERN LAKE SUPERIOR SANITARY DISTRICT
Mechanical Maintenance 6600

	BUDGET 2020	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHANGE BUDG 22/ BUDG 2020	% CHANGE BUDG 22/ EST 2021
4010 DIRECT WAGES	761,783	718,771	713,592	776,953	2.0%	8.9%
4020 SUNDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	66	61	61	192	190.9%	217.4%
4050 VACATION	45,558	45,911	51,091	57,661	26.6%	12.9%
4060 HOLIDAY	29,931	28,613	28,613	31,360	4.8%	9.6%
4070 PERSONAL LEAVE	9,977	9,538	9,538	10,453	4.8%	9.6%
4080 SICK	30,229	28,681	28,681	31,738	5.0%	10.7%
SUB TOTAL	877,544	831,575	831,574	908,357	3.5%	9.2%
4090 OVERTIME	36,092	30,000	30,000	35,000	-3.0%	16.7%
SUB TOTAL	913,636	861,575	861,574	943,357	3.3%	9.5%
4200 EMPLOYERS FICA	56,782	53,554	53,554	58,618	3.2%	9.5%
4210 EMPLOYERS FICA/MEDIC	13,280	12,525	12,525	13,709	3.2%	9.5%
4220 EMPLOYERS PERA	68,688	64,783	64,783	70,752	3.0%	9.2%
4240 GROUP HOSP/MED	235,709	234,575	234,575	232,815	-1.2%	-0.8%
4260 GROUP DENTAL	10,102	9,461	9,461	9,356	-7.4%	-1.1%
4280 GROUP LIFE	967	922	922	975	0.9%	5.8%
4300 LONG-TERM DISABILITY	2,457	2,328	2,328	2,543	3.5%	9.2%
4350 UNEMPLOYMENT	0	0	10,000		-	-100.0%
SUB TOTAL	387,983	378,148	378,148	388,769	0.2%	2.8%
TOTAL PAYROLL	1,301,619	1,239,723	1,239,722	1,332,126	2.3%	7.5%
4500 CONTRACT LABOR	0	0	0		-	-
5200 TELEPHONE	2,532	2,300	2,400	2,400	-5.2%	0.0%
5230 DIESEL	1,870	1,700	1,700	1,800	-3.7%	5.9%
5510 INVOICE TOLERANCE	0	0	1		-	-
5512 INVOICE MATCH WRITE OFF	0	0	63		-	-100.0%
5520 REPAIRS-MAINTENANCE	450,000	442,000	442,000	470,000	4.4%	6.3%
5525 INVENTORY ADJUSTMENTS	0	0	-2,595		-	-
5530 INVENTORY COST VARIANCE	0	0	43		-	-100.0%
5800 CONT SERV-ELECTRIC	0	0	0		-	-
5820 CONT SERV-O&M PLANT	120,000	100,000	100,000	110,000	-8.3%	10.0%
5840 CONT SERV-MOBILE	162,000	130,000	130,000	140,000	-13.6%	7.7%
5860 CONT SERV-OTHER	136,300	110,000	110,000	110,000	-19.3%	0.0%
5895 MNSHARP REPAIR EXPENSE	0	0	0		-	-
6050 SUPPLIES-LUBE	14,000	15,500	15,500	15,000	7.1%	-3.2%
6060 SUPPLIES-MAINTENANCE	45,000	45,000	45,000	40,000	-11.1%	-11.1%
6090 SUPPLIES-OTHER	0	0	15		-	-100.0%
6110 SUPPLIES-SAFETY	5,000	5,500	8,275	6,500	30.0%	-21.5%
6130 SUPPLIES-TOOLS	15,000	15,000	15,000	15,000	0.0%	0.0%
6910 TRAINING EXPENSES	7,000	7,000	5,000	5,000	-28.6%	0.0%
7210 RENT-EQUIPMENT	1,200	1,000	1,000	1,000	-16.7%	0.0%
7800 LAUNDRY	8,165	8,000	8,000	8,000	-2.0%	0.0%
8020 PERMITS	0	0	0		-	-
8250 DISCOUNTS	0	0	0		-	-
TOTAL NON-PAYROLL	968,067	883,000	881,402	924,700	-4.5%	4.9%
TOTAL	2,269,686	2,122,723	2,121,124	2,256,826	-0.6%	6.4%

WESTERN LAKE SUPERIOR SANITARY DISTRICT
Electrical Maintenance 6800

	BUDGET 2020	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHANGE BUDG 22/ BUDG 2020	% CHANGE BUDG 22/ EST 2021
4010 DIRECT WAGES	623,346	627,076	620,916	631,892	1.4%	1.8%
4020 SUNDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	50	50	50	346	598.3%	598.3%
4050 VACATION	48,019	50,630	56,790	57,358	19.4%	1.0%
4060 HOLIDAY	24,818	25,277	25,277	25,775	3.9%	2.0%
4070 PERSONAL LEAVE	8,273	8,426	8,426	8,592	3.9%	2.0%
4080 SICK	24,248	24,747	24,747	25,350	4.5%	2.4%
SUB TOTAL	728,753	736,206	736,205	749,312	2.8%	1.8%
4090 OVERTIME	16,000	20,000	17,000	20,000	25.0%	17.6%
SUB TOTAL	744,753	756,206	753,205	769,312	3.3%	2.1%
4200 EMPLOYERS FICA	46,311	47,021	47,021	47,828	3.3%	1.7%
4210 EMPLOYERS FICA/MEDIC	10,831	10,997	10,997	11,185	3.3%	1.7%
4220 EMPLOYERS PERA	56,021	56,880	56,880	57,698	3.0%	1.4%
4240 GROUP HOSP/MED	163,311	179,545	179,545	197,890	21.2%	10.2%
4260 GROUP DENTAL	7,803	7,572	7,572	7,421	-4.9%	-2.0%
4280 GROUP LIFE	836	837	837	846	1.1%	1.0%
4300 LONG-TERM DISABILITY	2,040	2,061	2,061	2,097	2.8%	1.7%
SUB TOTAL	287,154	304,913	304,914	324,966	13.2%	6.6%
TOTAL PAYROLL	1,031,908	1,061,119	1,058,119	1,094,278	6.0%	3.4%
4500 CONTRACT LABOR	0	0	0	0	-	-
5200 TELEPHONE	1,200	2,000	3,500	3,500	191.7%	0.0%
5520 REPAIRS-MAINTENANCE	275,000	176,000	176,000	179,000	-34.9%	1.7%
5800 CONT SERV-ELECTRIC	35,000	30,000	30,000	30,000	-14.3%	0.0%
5835 CONT SERV-GENERATORS	33,000	33,000	28,000	35,200	6.7%	25.7%
5860 CONT SERV-OTHER	0	2,000	1,500	2,000	-	33.3%
5895 MNHARP REPAIR EXPENSE	0	0	0	0	-	-
6060 SUPPLIES-MAINTENANCE	5,000	5,000	20,000	12,000	140.0%	-40.0%
6090 SUPPLIES-OTHER	0	0	0	0	-	-
6110 SUPPLIES-SAFETY	1,200	1,200	1,000	1,200	0.0%	20.0%
6130 SUPPLIES-TOOLS	5,000	4,000	12,500	4,000	-20.0%	-68.0%
6910 TRAINING EXPENSES	9,000	5,000	5,600	10,000	11.1%	78.6%
7210 RENT-EQUIPMENT	0	0	0	0	-	-
7800 LAUNDRY	5,000	4,200	4,950	5,000	0.0%	1.0%
8020 PERMITS	5,000	2,000	400	1,000	-80.0%	150.0%
8250 DISCOUNTS	0	0	0	0	-	-
TOTAL NON-PAYROLL	374,400	264,400	283,450	282,900	-24.4%	-0.2%
TOTAL	1,406,308	1,325,519	1,341,569	1,377,178	-2.1%	2.7%

WESTERN LAKE SUPERIOR SANITARY DISTRICT
Planning & Engineering 7000

	BUDGET 2020	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHANGE BUDG 22/ BUDG 2020	% CHANGE BUDG 22/ EST 2021
4010 DIRECT WAGES	635,092	709,984	706,423	686,029	8.0%	-2.9%
4040 SHIFT	88	88	88	86	-2.7%	-2.7%
4050 VACATION	56,987	65,738	69,300	65,792	15.5%	-5.1%
4060 HOLIDAY	25,936	29,022	29,022	28,159	8.6%	-3.0%
4070 PERSONAL LEAVE	8,645	9,674	9,674	9,386	8.6%	-3.0%
4080 SICK	25,056	25,823	25,823	25,603	2.2%	-0.9%
SUB TOTAL	751,805	840,329	840,330	815,055	8.4%	-3.0%
4090 OVERTIME	12,000	12,000	12,000	16,000	33.3%	33.3%
SUB TOTAL	763,805	852,329	852,330	831,055	8.8%	-2.5%
4200 EMPLOYERS FICA	45,820	51,991	51,991	52,162	13.8%	0.3%
4210 EMPLOYERS FICA/MEDIC	11,104	12,417	12,417	12,102	9.0%	-2.5%
4220 EMPLOYERS PERA	57,435	64,225	64,225	62,329	8.5%	-3.0%
4240 GROUP HOSP/MED	215,144	245,319	245,319	201,045	-6.6%	-18.0%
4260 GROUP DENTAL	9,603	10,257	10,257	8,551	-11.0%	-16.6%
4280 GROUP LIFE	828	1,108	1,108	1,031	24.4%	-7.0%
4300 LONG-TERM DISABILITY	2,105	2,353	2,353	2,282	8.4%	-3.0%
SUB TOTAL	342,039	387,670	387,670	339,503	-0.7%	-12.4%
TOTAL PAYROLL	1,105,844	1,239,999	1,240,000	1,170,558	5.9%	-5.6%
5200 TELEPHONE	3,000	3,000	3,700	4,800	60.0%	29.7%
5210 TELEMETERING			360	480	-	-
6010 SUPPLIES-EQUIPMENT			0		-	-
6070 SUPPLIES-OFFICE	0		0		-	-
6090 SUPPLIES-OTHER	700	700	1,700	1,400	100.0%	-17.6%
6910 TRAINING EXPENSES	10,000	10,000	8,000	10,000	0.0%	25.0%
7800 LAUNDRY	900	900	300	300	-66.7%	0.0%
7810 ENGINEERING SERVICES	2,000	2,000	2,000	2,000	0.0%	0.0%
7900 SOLID WASTE MANAGEMENT F	200,000	0	0		-100.0%	-
8000 DUES	1,500	1,500	3,000	3,200	113.3%	6.7%
8010 PUBLICATIONS	200	200	200	200	0.0%	0.0%
8600 WASTEWATER PLANNING GRA	7,000	5,000	15,498	7,000	0.0%	-54.8%
TOTAL NON-PAYROLL	225,300	23,300	34,758	29,380	-87.0%	-15.5%
TOTAL	1,331,144	1,263,299	1,274,758	1,199,938	-9.9%	-5.9%

WESTERN LAKE SUPERIOR SANITARY DISTRICT
Management Information Services 7400

	BUDGET	BUDGET	ESTIMATE	BUDGET	% CHANGE	% CHANGE
	2020	2021	2021	2022	BUDG 22/ BUDG 2020	BUDG 22/ EST 2021
4010 DIRECT WAGES	324,861	325,670	320,405	339,131	4.4%	5.8%
4020 SUNDAY PREMIUM	342	346	346	143	-58.2%	-58.6%
4040 SHIFT	48	48	48	104	115.7%	115.7%
4050 VACATION	22,648	22,834	28,100	30,481	34.6%	8.5%
4060 HOLIDAY	12,955	13,061	13,061	13,857	7.0%	6.1%
4070 PERSONAL LEAVE	4,318	4,354	4,354	4,619	7.0%	6.1%
4080 SICK	11,637	11,748	11,748	12,237	5.2%	4.2%
SUB TOTAL	376,810	378,061	378,061	400,572	6.3%	6.0%
4090 OVERTIME	9,600	9,600	14,019	13,500	40.6%	-3.7%
SUB TOTAL	386,410	387,661	392,080	414,072	7.2%	5.6%
4200 EMPLOYERS FICA	24,081	24,159	24,159	31,183	29.5%	29.1%
4210 EMPLOYERS FICA/MEDIC	5,632	5,650	5,650	6,036	7.2%	6.8%
4220 EMPLOYERS PERA	29,131	29,225	29,225	31,055	6.6%	6.3%
4240 GROUP HOSP/MED	89,206	91,529	91,529	90,299	1.2%	-1.3%
4260 GROUP DENTAL	4,109	4,007	4,007	3,926	-4.5%	-2.0%
4280 GROUP LIFE	506	507	507	549	8.4%	8.2%
4300 LONG-TERM DISABILITY	1,054	1,057	1,057	1,121	6.4%	6.0%
SUB TOTAL	153,720	156,134	156,135	164,168	6.8%	5.1%
TOTAL PAYROLL	540,129	543,795	548,215	578,241	7.1%	5.5%
5200 TELEPHONE	3,750	3,600	4,759	4,869	29.8%	2.3%
5210 TELEMETER	40,610	44,220	48,850	46,817	15.3%	-4.2%
5813 CONT SERV-DISP ELECTRONICS		0	0	0	-	-
5868 CONT SERV-HARDWARE MAIN	31,213	64,475	55,154	70,205	124.9%	27.3%
5870 CONT SERV-DP MAINT	97,019	120,543	111,128	123,888	27.7%	11.5%
6010 SUPPLIES-EQUIPMENT	30,665	16,175	17,832	9,005	-70.6%	-49.5%
6070 SUPPLIES-OFFICE	0	0	35	0	-	-100.0%
6090 SUPPLIES-OTHER	400	400	400	400	0.0%	0.0%
6125 SUPPLIES-SOFTWARE	15,000	5,000	2,163	5,000	-66.7%	131.2%
6910 TRAINING EXPENSES	12,950	0	3,950	0	-100.0%	-100.0%
7800 LAUNDRY	0		0	0	-	-
7810 ENGINEERING SERV	81,347	67,847	85,291	122,014	50.0%	43.1%
8000 DUES	0		0	0	-	-
8010 PUBLIC/COMM SERV	0		0	0	-	-
TOTAL NON-PAYROLL	312,954	322,260	329,562	382,198	22.1%	16.0%
TOTAL	853,083	866,055	877,777	960,439	12.6%	9.4%

WESTERN LAKE SUPERIOR SANITARY DISTRICT
Lab Services 7700

	BUDGET	BUDGET	ESTIMATE	BUDGET	% CHANGE	% CHANGE
	2020	2021	2021	2022	BUDG 22/ BUDG 2020	BUDG 22/ EST 2021
4010 DIRECT WAGES	412,885	400,585	395,652	440,038	6.6%	11.2%
4040 SHIFT	0	0	0	8	-	-
4050 VACATION	42,222	35,343	40,276	48,745	15.4%	21.0%
4060 HOLIDAY	17,082	16,372	16,372	18,356	7.5%	12.1%
4070 PERSONAL LEAVE	5,694	5,457	5,457	6,119	7.5%	12.1%
4080 SICK	15,600	15,222	15,222	17,025	9.1%	11.8%
SUB TOTAL	493,483	472,979	472,980	530,290	7.5%	12.1%
4090 OVERTIME	11,500	15,000	14,000	14,000	21.7%	0.0%
SUB TOTAL	504,983	487,979	486,980	544,290	7.8%	11.8%
4200 EMPLOYERS FICA	31,433	30,379	30,379	39,257	24.9%	29.2%
4210 EMPLOYERS FICA/MEDIC	7,351	7,105	7,105	7,924	7.8%	11.5%
4220 EMPLOYERS PERA	37,874	36,599	36,599	40,822	7.8%	11.5%
4240 GROUP HOSP/MED	104,365	107,094	107,094	117,017	12.1%	9.3%
4260 GROUP DENTAL	4,748	4,568	4,568	4,975	4.8%	8.9%
4280 GROUP LIFE	626	583	583	652	4.1%	11.9%
4300 LONG-TERM DISABILITY	1,382	1,324	1,324	1,485	7.5%	12.1%
SUB TOTAL	187,779	187,652	187,651	212,131	13.0%	13.0%
TOTAL PAYROLL	692,762	675,631	674,631	756,421	9.2%	12.1%
5200 TELEPHONE	450	800	1,260	1,260	180.0%	0.0%
5860 CONT SERV-OTHER	137,000	35,000	30,000	30,000	-78.1%	0.0%
6010 SMALL EQUIPMENT	4,000	8,000	8,000	16,000	300.0%	100.0%
6040 SUPPLIES-LAB	35,000	35,000	45,000	45,000	28.6%	0.0%
6070 SUPPLIES-OFFICE	100	100	75	75	-25.0%	0.0%
6090 SUPPLIES-OTHER	100	100	50	50	-50.0%	0.0%
6910 TRAINING EXPENSES	1,000	500	350	300	-70.0%	-14.3%
7800 LAUNDRY	650	650	800	800	23.1%	0.0%
7820 LAB SERVICES	105,000	100,000	95,000	95,000	-9.5%	0.0%
8000 DUES	200	100	100	100	-50.0%	0.0%
8010 PUBLICATIONS	200	100	50	50	-75.0%	0.0%
8020 PERMITS & CERTIFICATIONS	51,000	61,000	61,000	61,800	21.2%	1.3%
8250 DISCOUNTS	0	0	0	0	-	-
8620 PROGRAM DEVELOP	0	0	0	0	-	-
TOTAL NON-PAYROLL	334,700	241,350	241,685	250,435	-25.2%	3.6%
TOTAL	1,027,462	916,981	916,316	1,006,856	-2.0%	9.9%

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

	<u>BUDGET 2020</u>	<u>BUDGET 2021</u>	<u>ESTIMATE 2021</u>	<u>BUDGET 2022</u>	<u>% CHANGE BUDG 22/ BUDG 2020</u>	<u>% CHANGE BUDG 22/ EST 2021</u>
OPERATIONS						
WASTEWATER TREATMENT						
4000 CLEAN WATER PRODUCTION	\$ -	\$ -	\$ -	\$ -	-	-
4200 CONVEYANCE SYSTEM	\$ -	\$ -	\$ -	\$ -	-	-
4300 BIOSOLIDS	\$ -	\$ -	\$ -	\$ -	-	-
4550 MAINTENANCE	\$ -	\$ -	\$ -	\$ -	-	-
4700 ENV PROG WW	\$ -	\$ -	\$ -	\$ -	-	-
4800 WW GRANTS	\$ -	\$ -	\$ -	\$ -	-	-
SUB TOTAL	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>-</u>	<u>-</u>
SOLID WASTE OPERATIONS						
5000 TRANSFER STATION 27TH	\$ 4,937,901	\$ 5,007,812	\$ 5,106,718	\$ 5,307,828	7.5%	3.9%
5100 MATERIALS RECOVERY CENTER	\$ 1,152,343	\$ 1,172,826	\$ 1,265,371	\$ 1,341,174	16.4%	6.0%
5500 ORGANICS COMPOSTING SITE	\$ 336,435	\$ 332,859	\$ 316,528	\$ 363,191	8.0%	14.7%
5600 HOUSEHOLD HAZARDOUS WASTE	\$ 859,527	\$ 866,547	\$ 908,060	\$ 930,054	8.2%	2.4%
5700 ENV PROG SW	\$ 906,739	\$ 816,360	\$ 776,308	\$ 924,218	1.9%	19.1%
5800 SW GRANTS	\$ -	\$ -	\$ -	\$ -	-	-
SUB TOTAL	<u>\$ 8,192,945</u>	<u>\$ 8,196,404</u>	<u>\$ 8,372,985</u>	<u>\$ 8,866,466</u>	<u>8.2%</u>	<u>5.9%</u>
OPERATIONS & MAINTENANCE						
6600 MECHANICAL MAINTENANCE	\$ 164,552	\$ 153,897	\$ 153,781	\$ 163,620	-0.6%	6.4%
6800 ELECTRICAL MAINTENANCE	\$ 101,957	\$ 96,100	\$ 97,264	\$ 99,845	-2.1%	2.7%
BUSINESS SERVICES						
6000 BUSINESS SERVICES	\$ 932,497	\$ 911,726	\$ 926,833	\$ 960,671	3.0%	3.7%
PLANNING & TECH SERVICES						
7000 PLANNING & ENGINEERING	\$ 346,097	\$ 470,579	\$ 474,847	\$ 311,984	-9.9%	-34.3%
7400 MANAGEMENT INFO SYS	\$ 209,039	\$ 212,217	\$ 215,090	\$ 235,345	12.6%	9.4%
7700 LAB SERVICES	\$ 137,372	\$ 105,453	\$ 105,376	\$ 134,617	-2.0%	27.7%
SUB TOTAL	<u>\$ 692,508</u>	<u>\$ 788,249</u>	<u>\$ 795,314</u>	<u>\$ 681,946</u>	<u>-1.5%</u>	<u>-14.3%</u>
TOTAL	<u><u>\$ 10,084,459</u></u>	<u><u>\$ 10,146,377</u></u>	<u><u>\$ 10,346,177</u></u>	<u><u>\$ 10,772,548</u></u>	<u><u>6.8%</u></u>	<u><u>4.1%</u></u>

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Direct Solid Waste Departments

WESTERN LAKE SUPERIOR SANITARY DISTRICT
Transfer Station 5000

	BUDGET 2020	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHANGE BUDG 22/ BUDG 2020	% CHANGE BUDG 22/ EST 2021
4010 DIRECT WAGES	36,754	35,353	35,282	41,300	12.4%	17.1%
4020 SUNDAY PREMIUM	0	0	0	0	-	-
4030 HOLIDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	28	28	28	0	-100.0%	-100.0%
4050 VACATION	4,330	3,366	3,438	4,388	1.3%	27.6%
4060 HOLIDAY	1,526	1,437	1,437	1,693	11.0%	17.8%
4070 PERSONAL LEAVE	509	479	479	564	11.0%	17.8%
4080 SICK	958	891	891	962	0.5%	8.0%
SUB TOTAL	44,104	41,554	41,555	48,907	10.9%	17.7%
4090 OVERTIME	1,000	1,000	500	1,000	0.0%	100.0%
SUB TOTAL	45,104	42,554	42,055	49,907	10.6%	18.7%
4200 EMPLOYERS FICA	2,827	2,669	2,669	3,131	10.8%	17.3%
4210 EMPLOYERS FICA/MEDIC	661	624	624	732	10.8%	17.3%
4220 EMPLOYERS PERA	3,420	3,229	3,229	3,743	9.4%	15.9%
4240 GROUP HOSP/MED	11,952	12,266	12,266	12,960	8.4%	5.7%
4260 GROUP DENTAL	556	530	530	565	1.5%	6.6%
4280 GROUP LIFE	91	88	88	110	20.9%	25.5%
4300 LONG-TERM DISABILITY	123	116	116	137	11.0%	17.8%
SUB TOTAL	19,632	19,522	19,522	21,378	8.9%	9.5%
TOTAL PAYROLL	64,736	62,076	61,577	71,285	10.1%	15.8%
4520 CONTRACT CLEANING	0	0	4,000	4,000	-	0.0%
5000 ELECTRICITY	6,000	5,000	4,500	4,500	-25.0%	0.0%
5200 TELEPHONE	150	300	420	400	166.7%	-4.8%
5701 SW DISPOSAL-RESIDUE	4,029,207	4,085,413	4,166,943	4,331,488	7.5%	3.9%
5703 TR STA OPER & TRANS	801,557	818,273	823,277	851,955	6.3%	3.5%
5705 ANNUAL UNACCEPTABLE INCE	10,000	10,000	14,000	14,000	40.0%	0.0%
5810 CONT SERV-DISP APPL	0	0	0	0	-	-
5813 CONT SERV-DISP ELECTR	2,000	2,000	2,500	2,500	25.0%	0.0%
5815 CONT SERV-DISP TIRE	500	1,500	1,000	1,200	140.0%	20.0%
5860 CONT SERV-OTHER	17,000	16,000	23,500	22,000	29.4%	-6.4%
5900 CONT SERV-ENFORCEMENT	1,000	1,000	0	0	-100.0%	-
6000 SUPPLIES-BLDG	2,000	2,000	2,000	2,000	0.0%	0.0%
6090 SUPPLIES-OTHER	1,000	1,000	1,750	1,000	0.0%	-42.9%
6910 TRAINING EXPENSES	1,500	1,500	0	0	-100.0%	-
6940 LICENSE REIMBURSE	0	0	0	0	-	-
8000 DUES	750	750	250	500	-33.3%	100.0%
8210 COPYING & PRINTING	500	1,000	1,000	1,000	100.0%	0.0%
8250 DISCOUNTS	0	0	0	0	-	-
TOTAL NON-PAYROLL	4,873,164	4,945,736	5,045,141	5,236,543	7.5%	3.8%
TOTAL	4,937,901	5,007,812	5,106,718	5,307,828	7.5%	3.9%

WESTERN LAKE SUPERIOR SANITARY DISTRICT
Materials Recovery Center 5100

	BUDGET	BUDGET	ESTIMATE	BUDGET	% CHANGE	% CHANGE
	2020	2021	2021	2022	BUDG 22/ BUDG 2020	BUDG 22/ EST 2021
4010 DIRECT WAGES	310,484	320,200	317,391	357,375	15.1%	12.6%
4020 SUNDAY PREMIUM	0	0	0	0	-	-
4030 HOLIDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	0	0	0	0	-	-
4050 VACATION	18,781	19,094	21,903	23,538	25.3%	7.5%
4060 HOLIDAY	11,970	12,531	12,531	13,980	16.8%	11.6%
4070 PERSONAL LEAVE	3,990	4,177	4,177	4,660	16.8%	11.6%
4080 SICK	12,563	13,218	13,218	14,614	16.3%	10.6%
SUB TOTAL	357,788	369,220	369,220	414,167	15.8%	12.2%
4090 OVERTIME	10,000	20,000	15,000	15,000	50.0%	0.0%
SUB TOTAL	367,788	389,220	384,220	429,167	16.7%	11.7%
4200 EMPLOYERS FICA	22,834	24,163	24,163	26,646	16.7%	10.3%
4210 EMPLOYERS FICA/MEDIC	5,340	5,651	5,651	6,232	16.7%	10.3%
4220 EMPLOYERS PERA	27,622	29,229	29,229	32,188	16.5%	10.1%
4240 GROUP HOSP/MED	53,874	55,180	55,180	66,457	23.4%	20.4%
4260 GROUP DENTAL	2,465	3,193	3,193	3,754	52.3%	17.6%
4280 GROUP LIFE	451	448	448	500	10.8%	11.6%
4300 LONG-TERM DISABILITY	1,002	1,034	1,034	1,160	15.8%	12.2%
4350 UNEMPLOYMENT COMP	7,000	7,500	0	7,500	7.1%	-
SUB TOTAL	120,588	126,398	118,897	144,435	19.8%	21.5%
TOTAL PAYROLL	488,376	515,618	503,117	573,602	17.5%	14.0%
4520 CONTRACT CLEANING	4,000	4,000	4,000	4,000	0.0%	0.0%
4800 FUEL-FUEL OIL	4,000	4,000	1,500	2,000	-50.0%	33.3%
5000 ELECTRICITY	5,000	5,000	5,700	6,500	30.0%	14.0%
5200 TELEPHONE	1,500	2,400	2,400	2,400	60.0%	0.0%
5230 DIESEL	3,500	5,000	4,000	4,500	28.6%	12.5%
5240 WATER	500	0	0	0	-100.0%	-
5702 SW DISPOSAL-MRC	165,867	168,408	233,000	214,810	29.5%	-7.8%
5704 SW HAULING-MRC	182,000	182,000	210,000	210,000	15.4%	0.0%
5706 SW DISPOSAL-COMMUNITY ASSISTANC	2,500	2,500	1,000	2,000	-20.0%	100.0%
5790 CONT SERV-DISP HH RECYLING	30,000	30,000	30,000	30,000	0.0%	0.0%
5807 CONT SERV-WOOD GRINDING	2,000	3,000	3,000	3,000	50.0%	0.0%
5808 CONT SERV-SNOW PLOWING	20,000	20,000	9,000	15,000	-25.0%	66.7%
5810 CONT SERV-DISP-APPL	0	0	0	0	-	-
5812 CONT SERV-MATRESSES	48,600	60,000	72,000	87,500	80.0%	21.5%
5813 CONT SERV-DISP-ELECTRONICS	100,000	100,000	98,000	98,000	-2.0%	0.0%
5815 CONT SERV-DISP TIRE	31,000	31,000	38,000	38,000	22.6%	0.0%
5860 CONT SERV-OTHER	42,000	17,000	17,000	20,000	-52.4%	17.6%
5871 CONT SERV-MOBILE DEVICE	1,000	1,900	2,100	2,100	110.0%	0.0%
5895 MNSHARP REPAIR EXPENSE	0	0	0	0	-	-
6010 SUPPLIES-EQUIP	2,000	2,000	1,500	1,500	-25.0%	0.0%
6070 SUPPLIES-OFFICE	1,000	1,000	1,000	1,000	0.0%	0.0%
6090 SUPPLIES-OTHER	4,000	4,000	2,800	3,000	-25.0%	7.1%
6120 SUPPLIES-SITE	4,000	4,000	2,000	2,000	-50.0%	0.0%
6910 TRAINING EXPENSES	0	0	150	150	-	0.0%
6940 LICENSE REIMBURSE	0	0	0	0	-	-
7210 RENT-EQUIPMENT	0	0	0	0	-	-
7640 LEASE-LAND DULUTH AIR	0	0	10,404	10,612	-	2.0%
7800 LAUNDRY	4,500	4,500	3,200	4,000	-11.1%	25.0%
8000 DUES	0	500	500	500	-	0.0%
8210 COPYING & PRINTING	5,000	5,000	10,000	5,000	0.0%	-50.0%
8250 DISCOUNTS	0	0	0	0	-100.0%	-
TOTAL NON-PAYROLL	663,967	657,208	762,254	767,572	15.6%	0.7%
TOTAL	1,152,343	1,172,826	1,265,371	1,341,174	16.4%	6.0%

WESTERN LAKE SUPERIOR SANITARY DISTRICT
Yard Waste/Organics 5500

	BUDGET 2020	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHANGE BUDG 22/ BUDG 2020	% CHANGE BUDG 22/ EST 2021
4010 DIRECT WAGES	118,558	118,325	117,381	128,232	8.2%	9.2%
4020 SUNDAY PREMIUM	0	0	0	4,686	-	-
4030 HOLIDAY PREMIUM	0	0	0	879	-	-
4040 SHIFT	0	0	0	9	-	-
4050 VACATION	10,739	9,775	10,719	12,098	12.6%	12.9%
4060 HOLIDAY	4,862	4,773	4,773	5,251	8.0%	10.0%
4070 PERSONAL LEAVE	1,621	1,591	1,591	1,750	8.0%	10.0%
4080 SICK	4,664	4,598	4,598	4,916	5.4%	6.9%
SUB TOTAL	140,444	139,062	139,062	157,820	12.4%	13.5%
4090 OVERTIME	3,000	3,000	3,500	3,500	16.7%	0.0%
SUB TOTAL	143,444	142,062	142,562	161,320	12.5%	13.2%
4200 EMPLOYERS FICA	8,925	8,839	8,839	10,039	12.5%	13.6%
4210 EMPLOYERS FICA/MEDIC	2,087	2,067	2,067	2,348	12.5%	13.6%
4220 EMPLOYERS PERA	10,796	10,692	10,692	12,099	12.1%	13.2%
4240 GROUP HOSP/MED	39,317	40,297	40,297	40,028	1.8%	-0.7%
4260 GROUP DENTAL	1,892	1,834	1,834	1,827	-3.5%	-0.4%
4280 GROUP LIFE	182	179	179	204	12.0%	14.1%
4300 LONG-TERM DISABILITY	393	389	389	426	8.4%	9.5%
4350 UNEMPLOYMENT COMP	13,000	12,500	5,000	12,500	-3.8%	150.0%
SUB TOTAL	76,592	76,797	69,297	79,471	3.8%	14.7%
TOTAL PAYROLL	220,035	218,859	211,859	240,791	9.4%	13.7%
4500 CONTRACT LABOR	0	0	0	0	-	-
5000 ELECTRICITY	5,500	3,500	3,500	4,000	-27.3%	14.3%
5200 TELEPHONE	1,000	1,000	1,222	1,300	30.0%	6.4%
5230 DIESEL	6,000	6,000	8,000	7,000	16.7%	-12.5%
5240 WATER	700	1,000	1,500	1,000	42.9%	-33.3%
5794 CONT SERV-DISP ORGANICS OVERS	1,000	1,500	1,000	1,000	0.0%	0.0%
5795 CONT SERV-DISP ORGANICS REJECTS	2,500	0	400	0	-100.0%	-100.0%
5806 CONT SERV-BAGGING	13,000	14,000	14,797	15,000	15.4%	1.4%
5807 CONT SERV-WOOD GRINDING	21,000	27,000	28,000	21,000	0.0%	-25.0%
5860 CONTRACT SERV-OTHER	10,000	10,000	10,100	12,000	20.0%	18.8%
5871 CONT SERV-MOBILE DEVICES	3,000	2,000	2,600	2,100	-30.0%	-19.2%
6070 SUPPLIES-OFFICE	0		0	0	-	-
6090 SUPPLIES-OTHER	8,000	5,000	1,000	5,000	-37.5%	400.0%
6110 SUPPLIES-SAFETY	0		0	0	-	-
6700 LEGAL	0	0	0	0	-	-
6910 TRAINING EXPENSES	2,500	2,500	1,000	2,500	0.0%	150.0%
6940 LICENSE REIMBURSE	0	0	0	0	-	-
7210 RENT-EQUIPMENT	39,200	39,000	30,250	43,000	9.7%	42.1%
7400 TRAVEL	0		500	500	-	0.0%
7800 LAUNDRY	500	500	800		-100.0%	-100.0%
8000 DUES	1,000	1,000	0	500	-50.0%	-
8010 PUBLICATIONS	0	0	0	0	-	-
8210 COPYING & PRINTING	1,500	0	0	6,500	333.3%	-
8250 DISCOUNTS	0		0	0	-	-
TOTAL NON-PAYROLL	116,400	114,000	104,669	122,400	5.2%	16.9%
TOTAL	336,435	332,859	316,528	363,191	8.0%	14.7%

WESTERN LAKE SUPERIOR SANITARY DISTRICT
Household Hazardous Waste 5600

	BUDGET 2020	BUDGET 2021	ESTIMATE 2021	BUDGET 2022	% CHANGE BUDG 22/ BUDG 2020	% CHANGE BUDG 22/ EST 2021
4010 DIRECT WAGES	276,859	270,538	268,454	274,355	-0.9%	2.2%
4030 HOLIDAY PREMIUM	0	0	0	0	-	-
4040 SHIFT	0	0	0	28	-	-
4050 VACATION	16,744	15,723	17,808	21,187	26.5%	19.0%
4060 HOLIDAY	10,445	10,261	10,261	10,922	4.6%	6.4%
4070 PERSONAL LEAVE	3,482	3,420	3,420	3,641	4.6%	6.4%
4080 SICK	10,868	10,695	10,695	11,217	3.2%	4.9%
SUB TOTAL	318,398	310,637	310,638	321,350	0.9%	3.4%
4090 OVERTIME	3,000	3,000	3,000	2,500	-16.7%	-16.7%
SUB TOTAL	321,398	313,637	313,638	323,850	0.8%	3.3%
4200 EMPLOYERS FICA	19,958	19,477	19,477	20,116	0.8%	3.3%
4210 EMPLOYERS FICA/MEDIC	4,668	4,555	4,555	4,705	0.8%	3.3%
4220 EMPLOYERS PERA	24,142	23,560	23,560	23,906	-1.0%	1.5%
4240 GROUP HOSP/MED	92,413	70,298	70,296	68,712	-25.6%	-2.3%
4260 GROUP DENTAL	4,133	2,979	2,979	2,904	-29.7%	-2.5%
4280 GROUP LIFE	307	304	304	326	6.2%	7.4%
4300 LONG-TERM DISABILITY	859	837	837	885	3.1%	5.7%
SUB TOTAL	146,480	122,010	122,009	121,555	-17.0%	-0.4%
TOTAL PAYROLL	467,877	435,647	435,647	445,404	-4.8%	2.2%
4520 CONTRACT CLEANING	4,500	4,500	4,626	4,700	4.4%	1.6%
4820 FUEL- NATURAL GAS	6,000	4,500	6,000	6,200	3.3%	3.3%
5000 ELECTRICITY	7,000	7,000	6,000	7,000	0.0%	16.7%
5200 TELEPHONE	750	750	500	500	-33.3%	0.0%
5230 DIESEL	600	500	600	700	16.7%	16.7%
5240 WATER	250	250	250	0	-100.0%	-100.0%
5791 CONT SERV-DISP MEDICAL SHAR	2,000	1,500	1,200	1,500	-25.0%	25.0%
5792 CONT SERV-DISP PHARMACEUTIK	1,000	100	0	300	-70.0%	-
5793 CONT SERV-DISP OIL & FILTERS	1,300	0	0	0	-100.0%	-
5808 CONT SERV-SNOW PLOWING	3,000	3,000	1,300	2,000	-33.3%	53.8%
5814 CONT SERV-DISP FLUOR	19,000	20,000	20,000	22,000	15.8%	10.0%
5816 CONT SERV-DISP LOCAL	74,000	75,000	75,000	75,000	1.4%	0.0%
5817 CONT SERV-DISP COUNTY	46,000	60,000	68,000	68,000	47.8%	0.0%
5819 CONT SERV-DISP PAINT CARE	123,000	125,000	156,000	156,000	26.8%	0.0%
5860 CONT SERV-OTHER	11,000	15,000	16,000	17,000	54.5%	6.3%
5871 CONT SERV-MOBILE DEVICE	0	0	0	2,100	-	-
6000 SUPPLIES-BUILDING	2,500	2,500	1,500	2,500	0.0%	66.7%
6010 SUPPLIES-EQUIPMENT	2,500	9,000	4,000	4,000	60.0%	0.0%
6070 SUPPLIES-OFFICE	1,000	500	100	500	-50.0%	400.0%
6090 SUPPLIES-OTHER	7,500	17,000	22,000	25,000	233.3%	13.6%
6110 SUPPLIES-SAFETY	4,000	1,000	1,000	1,000	-75.0%	0.0%
6150 SUPPLIES-SHIPPING	0	0	0	0	-	-
6700 LEGAL	1,000	1,000	1,000	500	-50.0%	-50.0%
6910 TRAINING EXPENSES	750	1,000	0	500	-33.3%	-
6940 LICENSE REIMBURSE	0	0	0	50	-	-
7400 TRAVEL	1,500	1,000	1,500	1,500	0.0%	0.0%
7800 LAUNDRY	1,500	1,800	3,000	3,000	100.0%	0.0%
8000 DUES	0	0	87	100	-	14.9%
8010 PUBLICATIONS	0	0	0	0	-	-
8020 PERMITS	0	0	0	0	-	-
8210 COPYING & PRINTING	2,000	1,000	750	1,000	-50.0%	33.3%
8250 DISCOUNTS	0	0	0	0	-	-
8600 GRANTS TO GOV UNITS	68,000	78,000	82,000	82,000	20.6%	0.0%
TOTAL NON-PAYROLL	391,650	430,900	472,413	484,650	23.7%	2.6%
TOTAL	859,527	866,547	908,060	930,054	8.2%	2.4%

WESTERN LAKE SUPERIOR SANITARY DISTRICT
Environmental Programs Solid Waste 5700

	BUDGET	BUDGET	ESTIMATE	BUDGET	% CHANGE	% CHANGE
	2020	2021	2021	2022	BUDG 22/ BUDG 2020	BUDG 22/ EST 2021
4010 DIRECT WAGES	256,999	228,733	226,217	252,580	-1.7%	11.7%
4020 SUNDAY PREMIUM	296	262	262	177	-40.2%	-32.5%
4040 SHIFT	66	50	50	67	2.0%	36.0%
4050 VACATION	24,747	23,844	26,360	28,302	14.4%	7.4%
4060 HOLIDAY	10,460	9,486	9,486	10,482	0.2%	10.5%
4070 PERSONAL LEAVE	3,487	3,162	3,162	3,494	0.2%	10.5%
4080 SICK	9,904	8,818	8,818	9,881	-0.2%	12.1%
SUB TOTAL	305,958	274,355	274,355	304,982	-0.3%	11.2%
4090 OVERTIME	12,500	7,000	7,000	14,000	12.0%	100.0%
SUB TOTAL	318,458	281,355	281,355	318,982	0.2%	13.4%
4200 EMPLOYERS FICA	19,813	17,512	17,512	19,845	0.2%	13.3%
4210 EMPLOYERS FICA/MEDIC	4,634	4,096	4,096	4,641	0.2%	13.3%
4220 EMPLOYERS PERA	23,967	21,184	21,184	23,924	-0.2%	12.9%
4240 GROUP HOSP/MED	80,898	78,527	78,527	84,270	4.2%	7.3%
4260 GROUP DENTAL	3,623	3,281	3,281	3,514	-3.0%	7.1%
4280 GROUP LIFE	370	343	343	368	-0.5%	7.2%
4300 LONG-TERM DISABILITY	856	767	767	853	-0.3%	11.2%
SUB TOTAL	134,159	125,710	125,711	137,415	2.4%	9.3%
TOTAL PAYROLL	452,617	407,065	407,065	456,398	0.8%	12.1%
5200 TELEPHONE	210	210	210	210	0.0%	0.0%
5818 CONT-SERV-RECY-SHEDS	95,500	85,800	85,800	90,700	-5.0%	5.7%
5860 CONT SERV-OTHER	13,950	16,263	16,263	26,513	90.1%	63.0%
5880 CONT SERV-AD AGENCY	14,000	9,500	9,500	8,900	-36.4%	-6.3%
5950 WASTE SORT	40,000	0	0	50,000	25.0%	-
6010 SUPPLIES-EQUIPMENT	0	0	0	-	-	-
6090 SUPPLIES-OTHER	11,700	11,100	9,000	10,300	-12.0%	14.4%
6910 TRAINING EXPENSES	8,239	4,999	2,500	5,789	-29.7%	131.6%
7020 PUBLIC INFORMATION	9,788	9,188	9,525	10,225	4.5%	7.3%
7030 PUBLIC INFORMATION-RECY	66,725	65,725	65,725	63,375	-5.0%	-3.6%
7040 PUBLIC INFORMATION-HHW	26,750	26,750	20,000	25,275	-5.5%	26.4%
7400 TRAVEL	0	0	0	-	-	-
7800 LAUNDRY	0	0	0	-	-	-
8000 DUES	1,610	1,610	1,400	1,758	9.2%	25.6%
8010 PUBLICATIONS	0	0	120	-	-	-100.0%
8200 POSTAGE	0	0	0	-	-	-
8210 COPYING & PRINTING	21,250	17,375	9,200	14,000	-34.1%	52.2%
8250 DISCOUNTS	0	0	0	-	-	-
8600 GRANTS TO GOV UNITS	117,500	126,500	115,000	126,500	7.7%	10.0%
8620 PROGRAM DEVELOPMENT	26,900	34,275	25,000	34,275	27.4%	37.1%
TOTAL NON-PAYROLL	454,122	409,295	369,243	467,820	3.0%	26.7%
TOTAL	906,739	816,360	776,308	924,218	1.9%	19.1%

Personnel Budget

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2022 PERSONNEL BUDGET

		BUDGET	BUDGET	BUDGET
	BASIC UNIT	2020	2021	2022
4000	CLEAN WATER PRODUCTION	17.5	17	18
4200	CONVEYANCE	4	4	4.5
4300	BIOSOLIDS	6	6	6
4700	ENV PROG WASTEWATER	1.50	1.00	1.38
5000	TRANSFER STATION	0.25	0.25	0.25
5100	MATERIAL RECOVERY	6.92	6.92	7.47
5500	ORGANICS	1.93	1.93	1.98
5600	HOUSEHOLD HAZ WASTE	4.25	4.25	4.25
5700	ENV PROG SOLID WASTE	3.50	3.00	3.38
6000	BUSINESS SERVICES	8.75	7.00	8.00
6600	MECHANICAL MAINTENANCE	12	11	12
6800	ELECTRICAL MAINTENANCE	9	9	9.25
7000	PLANNING & ENGINEERING	8	8	8
7400	MANAGEMENT INFO SYSTEM	4	4	4
7700	LAB	5	5	5.5
	SUBTOTAL	92.60	88.35	93.95
	SUPERVISORS			
4000	CLEAN WATER PRODUCTION	1.4	1.4	1.35
4200	CONVEYANCE	0.3	0.3	0.25
4300	BIOSOLIDS	1.1	1.1	1.1
4700	ENV PROG WASTEWATER	0.45	0.45	0.45
5000	TRANSFER STATION	0.25	0.25	0.3
5100	MATERIAL RECOVERY	0.25	0.25	0.3
5500	ORGANICS	0.25	0.25	0.3
5600	HOUSEHOLD HAZ WASTE	0.25	0.25	0.3
5700	ENV PROG SOLID WASTE	0.55	0.55	0.55
6000	BUSINESS SERVICES	4	5	5
6600	MECHANICAL MAINTENANCE	1.1	1.1	1.1
6800	ELECTRICAL MAINTENANCE	1.1	1.1	1.1
7000	PLANNING & ENGINEERING	1	2	1.8
7400	MANAGEMENT INFO SYSTEM	1	1	1.1
7700	LAB	1	1	1.1
	SUBTOTAL	14	16	16
	TOTAL	106.60	104.35	109.95

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Capital Budget

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Wastewater 10 Year Capital Plan (2022 - 2031)

Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	TOTAL
Safety Essential Projects											
Safety - Rooftop Fall Protection (Building 6, Bristol PS, swing gates)	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
Safety - Clarifier Dome Rooftop Access Improvements	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000
Subtotal	\$50,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,050,000
Required General Replacement											
General, Compliance											
Laboratory Equipment Replacement	\$0	\$0	\$65,000	\$65,000	\$0	\$0	\$0	\$0	\$0	\$0	\$130,000
Comprehensive Plan Update (EMP, Comprehensive Plan, Hydraulic Model)	\$150,000	\$0	\$0	\$0	\$175,000	\$175,000	\$0	\$0	\$0	\$0	\$500,000
Subtotal	\$150,000	\$0	\$65,000	\$65,000	\$175,000	\$175,000	\$0	\$0	\$0	\$0	\$630,000
Interceptor Replacement / Rehabilitation											
Hermantown Interceptor Replacement (Ph 2 - 4)	\$0	\$0	\$0	\$0	\$0	\$0	\$1,456,000	\$10,492,000	\$1,462,000	\$10,529,000	\$23,939,000
Cloquet Interceptor - CIPP outside Cloquet Pump Station	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000
Lakeside Interceptor Rehabilitation	\$469,000	\$3,376,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,845,000
Scanlon Interceptor	\$0	\$0	\$0	\$550,000	\$5,000,000	\$572,000	\$5,200,000	\$590,000	\$5,500,000	\$0	\$17,412,000
West Interceptor	\$0	\$0	\$0	\$0	\$404,000	\$2,806,000	\$0	\$0	\$0	\$0	\$3,210,000
Miscellaneous Gravity Interceptor Improvements (Woodland, Proctor, East)	\$111,000	\$770,000	\$251,000	\$1,741,000	\$0	\$0	\$1,209,000	\$1,454,000	\$0	\$0	\$5,536,000
Miscellaneous Forcemain Improvements (Knowlton, Scanlon, Wrenshall, Thomson)	\$4,500,000	\$0	\$5,500,000	\$0	\$1,500,000	\$0	\$0	\$0	\$0	\$2,100,000	\$13,600,000
Manhole Improvements	\$0	\$50,000	\$0	\$100,000	\$0	\$100,000	\$0	\$100,000	\$0	\$100,000	\$500,000
Subtotal	\$5,380,000	\$4,196,000	\$5,801,000	\$2,391,000	\$6,904,000	\$3,478,000	\$7,865,000	\$12,636,000	\$6,962,000	\$12,729,000	\$68,342,000
Pump Station Replacement / Rehabilitation											
Knowlton Creek Pump Station Rehabilitation	\$0	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000
Bristol Street Pump Station Rehabilitation	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000
Scanlon Pump Station Rehabilitation	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000
Carlton Pump Station Replacement	\$3,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,500,000
Endion Pump Station VFD	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000
Subtotal	\$5,500,000	\$75,000	\$0	\$500,000	\$500,000	\$0	\$0	\$0	\$0	\$0	\$6,575,000
General Replacement-Wastewater Treatment Plant											
Oxygen Dissolution Tank Improvements	\$200,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,200,000
Secondary Clarifier Tank Rehabilitation	\$0	\$6,700,000	\$5,000,000	\$1,200,000	\$0	\$6,200,000	\$0	\$0	\$0	\$0	\$19,100,000
Flocculation Tank Rehabilitation	\$0	\$0	\$0	\$0	\$0	\$0	\$2,632,000	\$0	\$2,000,000	\$3,584,000	\$8,216,000
Multi-Media Filter Rehabilitation	\$0	\$100,000	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,100,000
Sludge and Scum Thickener Improvements	\$3,716,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,716,000
Odorous Air Improvements	\$2,577,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,577,000
Plant Process Piping and Isolation Valve Improvements	\$200,000	\$100,000	\$1,000,000	\$0	\$100,000	\$0	\$0	\$1,000,000	\$0	\$0	\$2,400,000
Plant Air System Improvements	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000
Centrifuge Control Upgrades	\$0	\$0	\$120,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$120,000
Digester Rehabilitation	\$0	\$520,000	\$0	\$950,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,470,000
Headworks PLC/HVAC Improvements	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000
IT Improvements - PA System Upgrades	\$200,000	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$700,000
IT Improvements - SolarWinds Implementation	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
IT Improvements - WIFI Implementation (Plant/Conveyance)	\$0	\$35,000	\$35,000	\$35,000	\$35,000	\$0	\$0	\$0	\$0	\$0	\$140,000
IT Improvements - eOPs upgrade	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$110,000	\$0	\$0	\$210,000
IT Improvements - Virtual Server Upgrade (Simplify)	\$0	\$275,000	\$0	\$275,000	\$0	\$275,000	\$0	\$275,000	\$0	\$275,000	\$1,375,000
IT Improvements - Lawson upgrade	\$50,000	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,550,000
IT Improvements - Complicity upgrade	\$60,000	\$0	\$0	\$0	\$99,000	\$0	\$0	\$0	\$99,000	\$0	\$258,000
IT Improvements - Store and Forward Devices (Conveyance)	\$0	\$0	\$50,000	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$100,000
IT Improvements - Firewall Improvements	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000
Equipment Replacements (Land App Loader, Land App Trailer)	\$236,000	\$368,550	\$196,350	\$349,650	\$286,650	\$286,650	\$509,250	\$228,900	\$147,000	\$0	\$2,609,000
Fleet Vehicle Replacement (Land App Truck, Conveyance Truck)	\$0	\$200,000	\$0	\$100,000	\$0	\$100,000	\$0	\$100,000	\$0	\$0	\$500,000
Facility and Site Improvements - B9 Cold Storage Roof Rehabilitation	\$0	\$90,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$90,000
Facility and Site Improvements - Perimeter Security (B9 Lower Physical/Access Control)	\$0	\$100,000	\$500,000	\$100,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$800,000
Facility and Site Improvements - Roof/Precast Panel Improvements	\$100,000	\$100,000	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000
Subtotal	\$7,589,000	\$13,688,550	\$7,201,350	\$4,209,650	\$670,650	\$6,861,650	\$3,141,250	\$1,713,900	\$2,246,000	\$3,859,000	\$51,181,000
Process / Energy Improvements											
HVAC Control Upgrades/Replacements	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$250,000
Building Air Conditioning Improvements (B9, B8)	\$255,000	\$70,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$325,000
Combined Heat and Power Project	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,400,000
Building Substation Replacements	\$0	\$625,000	\$750,000	\$750,000	\$500,000	\$0	\$0	\$0	\$0	\$0	\$2,625,000
Digester Sludge Heat Exchanger Improvements/Replacement	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$2,000,000
High Strength Waste Addition - Design and Construction	\$0	\$0	\$0	\$650,000	\$5,100,000	\$0	\$0	\$0	\$0	\$0	\$5,750,000
Lighting Control Energy Improvements	\$0	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000
Subtotal	\$1,705,000	\$845,000	\$900,000	\$1,550,000	\$7,650,000	\$0	\$0	\$0	\$0	\$0	\$12,650,000
Total											
Total	\$20,374,000	\$19,804,550	\$13,967,350	\$8,715,650	\$15,899,650	\$10,514,650	\$11,006,250	\$14,349,900	\$9,208,000	\$16,588,000	\$140,428,000
Discretionary Projects											
	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$6,500,000
Total Wastewater Capital Budget	\$21,024,000	\$20,454,550	\$14,617,350	\$9,365,650	\$16,549,650	\$11,164,650	\$11,656,250	\$14,999,900	\$9,858,000	\$17,238,000	\$146,928,000
PFA Loan Funding	\$16,024,000	\$14,354,550	\$9,417,350	\$6,065,650	\$13,149,650	\$7,664,650	\$8,056,250	\$11,299,900	\$6,058,000	\$13,338,000	\$105,428,000
Grant or Cash Funding Required	\$0	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,000,000
Use of Wastewater Operations Fund	\$2,000,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,000,000
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%)	291%	277%	265%	262%	246%	235%	221%	203%	195%	174%	

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Solid Waste Operations - 10 Year Capital Plan (2022-2031)

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Transfer Station Operations - 10 Year Capital Plan (2022-2031)

Year		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Required General Replacement - SW Transfer Station												
Repair side wall steel deflector plates		\$0	\$0	\$0	\$0	\$0	\$0	\$85,000	\$0	\$0	\$0	\$85,000
Transfer Station building roof inspection/repair/sealing		\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000
Operations Equipment		\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000
Catwalk/Fall Restraint		\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
Concrete Wall Repairs		\$0	\$0	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000
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	\$0	\$100,000	\$0	\$200,000
Exterior Building Repairs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000
Subtotal		\$135,000	\$110,000	\$110,000	\$10,000	\$85,000	\$10,000	\$95,000	\$10,000	\$110,000	\$85,000	\$760,000
Total Solid Waste Transfer Station Capital Budget		\$135,000	\$110,000	\$110,000	\$10,000	\$85,000	\$10,000	\$95,000	\$10,000	\$110,000	\$85,000	\$760,000
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		(\$18,772)	\$6,228	\$6,228	\$106,228	\$31,228	\$106,228	\$21,228	\$106,228	\$6,228	\$31,228	
	2021											
YEAR END CAPITAL FUND BALANCE (\$150,000 TARGET)	\$300,000	\$281,228	\$287,456	\$293,684	\$399,912	\$431,140	\$537,368	\$558,596	\$664,824	\$671,052	\$702,280	

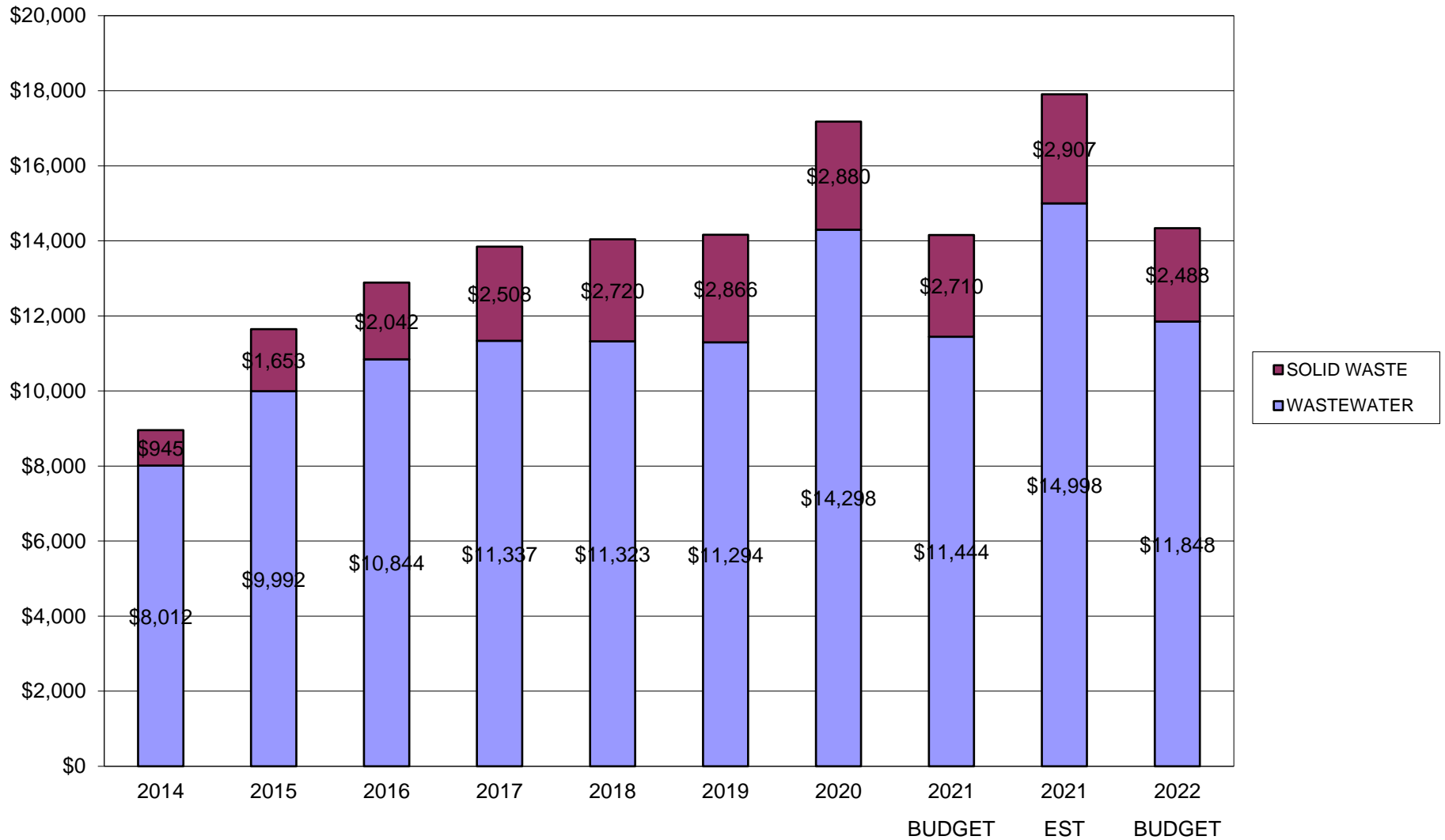
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Operations Fund

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OPERATIONS FUND

YEAR END BALANCE (In thousands)



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OPERATIONS FUND
YEAR END BALANCE
 (IN THOUSANDS)

	2014	2015	2016	2017	2018	2019	2020	BUDGET 2021	EST 2021	BUDGET 2022
WASTEWATER	\$8,012	\$9,992	\$10,844	\$11,337	\$11,323	\$11,294	\$14,298	\$11,444	\$14,998	\$11,848
SOLID WASTE	\$945	\$1,653	\$2,042	\$2,508	\$2,720	\$2,866	\$2,880	\$2,710	\$2,907	\$2,488
YEAR END BALANCE	\$8,957	\$11,645	\$12,886	\$13,845	\$14,043	\$14,160	\$17,178	\$14,154	\$17,905	\$14,336

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Debt Service Schedule

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**Wastewater Debt Service
2022 Budget**

	Bond	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 (1) Biogas Cond	Loan CHP	Loan	
Ref 11/16	Apr-07	May-08	Aug-09	Aug-10	Sep-11	Jul-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-21			TOTAL
	2.255M	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	\$3.226M	\$5.416M		WWT DEBT
2022	396,825	191,608	163,528	326,994	412,929	597,807	151,180	505,720	660,510	361,140	387,522	1,303,107	546,906	83,755	382,419	232,704			6,704,655
2023		190,856	163,451	327,115	411,107	598,811	151,770	506,050	659,470	360,870	388,364	1,302,236	546,906	83,755	382,419	232,704	390,653		6,696,538
2024			162,266	328,157	412,225	597,676	151,340	506,330	659,380	360,570	388,144	1,302,204	546,906	83,755	382,419	232,704	390,653		6,504,729
2025				326,224	412,236	597,430	150,900	506,560	659,230	359,240	387,873	1,302,000	546,906	83,755	382,419	232,704	390,653		6,338,130
2026					411,156	598,062	151,450	505,740	659,020	360,890	388,553	1,302,623	546,906	83,755	382,419	232,704	390,653		6,013,931
2027						598,555	150,980	505,880	659,750	360,490	388,171	1,302,061	546,906	83,755	382,419	232,704	390,653		5,602,324
2028						192,910	151,500	505,970	659,410	360,060	388,739	1,302,327	546,906	83,755	382,419	232,704	390,653		5,197,353
2029								506,010	659,010	359,600	387,244	1,302,408	546,906	83,755	382,419	232,704	390,653		4,850,709
2030									661,550	361,110	387,712	1,302,304	546,906	83,755	382,419	232,704	390,653		4,349,113
2031										360,570	388,118	1,302,014	546,906	83,755	382,419	232,704	390,653		3,687,139
2032											387,462	1,302,540	546,906	83,755	382,419	232,704	390,653		3,326,439
2033											386,757	1,302,868	546,906	83,755	382,419	232,704	390,653		3,326,062
2034													546,906	83,755	382,419	232,704	390,653		1,636,437
2035														83,755	382,419	232,704	390,653		1,089,531
2036															382,419	232,704	390,653		1,005,776
2037																	390,653		390,653
2038																			0
TOTAL	396,825	382,465	489,245	1,308,490	2,059,653	3,781,251	1,059,120	4,048,260	5,937,330	3,604,540	4,654,659	15,628,692	7,109,778	1,172,570	5,736,285	3,490,560	5,859,795	0	66,719,518
																			* 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
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2013-2022
DULUTH	\$8,477	\$8,754	\$8,703	\$8,839	\$8,855	\$8,882	\$9,275	\$9,457	\$9,398	\$9,369	10.5%
CLOQUET	\$905	\$908	\$804	\$852	\$895	\$874	\$984	\$867	\$1,007	\$1,054	16.5%
PROCTOR	\$269	\$278	\$286	\$288	\$337	\$359	\$323	\$309	\$328	\$342	27.1%
HERMANTOWN	\$402	\$413	\$413	\$434	\$431	\$462	\$493	\$459	\$511	\$579	44.0%
ESKO	\$129	\$121	\$120	\$124	\$132	\$130	\$138	\$144	\$147	\$162	25.6%
SCANLON	\$88	\$99	\$98	\$103	\$120	\$108	\$124	\$105	\$117	\$136	54.5%
CARLTON	\$114	\$106	\$103	\$95	\$111	\$107	\$117	\$121	\$114	\$117	2.6%
RICE LAKE	\$37	\$43	\$43	\$46	\$48	\$47	\$52	\$48	\$52	\$54	45.9%
TWIN LAKES	\$70	\$73	\$73	\$76	\$69	\$72	\$71	\$43	\$93	\$97	38.6%
PIKE LAKE	\$57	\$57	\$54	\$57	\$61	\$60	\$67	\$61	\$77	\$82	43.9%
KNIFE RIVER	\$15	\$16	\$16	\$15	\$16	\$15	\$16	\$16	\$20	\$20	33.3%
OLIVER	\$16	\$16	\$16	\$17	\$16	\$17	\$17	\$17	\$17	\$18	12.5%
THOMSON	\$7	\$8	\$8	\$8	\$9	\$7	\$9	\$8	\$9	\$10	42.9%
WRENSHALL	\$20	\$21	\$18	\$19	\$24	\$20	\$23	\$22	\$22	\$24	20.0%
JAY COOKE	\$5	\$4	\$4	\$4	\$4	\$4	\$4	\$5	\$3	\$3	-40.0%
MIDWAY	\$4	\$4	\$5	\$7	\$4	\$5	\$5	\$5	\$5	\$5	42.9%
MPCA LANDFILL	\$18	\$19	\$19	\$20	\$14	\$10	\$10	\$11	\$12	\$9	-50.0%
DULUTH/NORTH SHOR	\$39	\$41	\$38	\$40	\$44	\$42	\$45	\$43	\$49	\$48	23.1%
SUBTOTAL	\$10,672	\$10,981	\$10,822	\$11,044	\$11,190	\$11,221	\$11,773	\$11,741	\$11,981	\$12,129	13.7%
SAPPI	\$10,317	\$10,997	\$11,321	\$10,798	\$10,212	\$11,255	\$11,874	\$12,306	\$11,686	\$12,431	20.5%
GEORGIA PACIFIC	\$89	\$87	\$89	\$75	\$75	\$70	\$67	\$56	\$32	\$20	-77.5%
USG	\$441	\$454	\$434	\$447	\$483	\$506	\$540	\$575	\$479	\$543	23.1%
VERSO Duluth Mill	\$3,968	\$3,799	\$3,839	\$3,806	\$4,102	\$3,558	\$3,362	\$2,666	\$1,019		
ST PAPER 1										\$1,188	
SPECIALTY MINERALS	\$256	\$277	\$306	\$314	\$432	\$246	\$225	\$189	\$225	\$155	-39.5%
SUBTOTAL	\$15,071	\$15,614	\$15,988	\$15,440	\$15,304	\$15,635	\$16,068	\$15,792	\$13,441	\$14,337	-4.9%
TOTAL	\$25,743	\$26,595	\$26,810	\$26,484	\$26,494	\$26,856	\$27,841	\$27,533	\$25,422	\$26,466	2.8%

**WASTEWATER TREATMENT
FLOW (MGD)**

	2013	2014	2015	2016	2017	2018	2019	2020	BUDGET 2021	BUDGET 2022	% CHANGE 2013-2022
DULUTH	12.171	13.813	12.278	12.870	13.618	11.370	13.485	11.032	12.700	12.700	4.35%
CLOQUET	1.151	1.234	0.992	1.069	1.129	1.006	1.193	0.988	1.150	1.150	-0.09%
HERMANTOWN	0.622	0.666	0.620	0.635	0.646	0.624	0.691	0.620	0.650	0.650	4.50%
PROCTOR	0.410	0.484	0.456	0.464	0.491	0.403	0.476	0.400	0.450	0.450	9.76%
ESKO	0.164	0.189	0.177	0.178	0.209	0.170	0.202	0.190	0.206	0.206	26.04%
SCANLON	0.121	0.158	0.152	0.160	0.191	0.157	0.183	0.145	0.169	0.169	39.67%
CARLTON	0.167	0.181	0.150	0.120	0.170	0.149	0.189	0.171	0.150	0.150	-10.18%
THOMSON	0.007	0.010	0.011	0.010	0.010	0.008	0.009	0.009	0.010	0.010	42.86%
TWIN LAKES	0.074	0.079	0.077	0.080	0.069	0.067	0.061	0.024	0.070	0.070	-5.41%
RICE LAKE	0.043	0.055	0.055	0.059	0.063	0.056	0.066	0.055	0.060	0.060	39.53%
OLIVER	0.020	0.021	0.019	0.020	0.021	0.020	0.021	0.017	0.022	0.022	10.00%
PIKE LAKE	0.089	0.090	0.080	0.083	0.091	0.084	0.093	0.079	0.100	0.100	12.36%
KNIFE RIVER	0.023	0.024	0.023	0.021	0.021	0.017	0.020	0.017	0.022	0.022	-4.35%
MPCA LANDFILL	0.022	0.024	0.022	0.024	0.009	0.002	0.002	0.002	0.002	0.002	-90.91%
WRENSHALL	0.027	0.032	0.025	0.025	0.035	0.026	0.032	0.027	0.027	0.027	0.00%
JAY COOKE	0.004	0.003	0.002	0.003	0.003	0.002	0.003	0.002	0.002	0.002	-50.00%
MIDWAY TOWNSHIP	0.002	0.003	0.004	0.005	0.003	0.003	0.003	0.003	0.003	0.003	25.00%
DULUTH/NORTH SHORE	0.053	0.055	0.045	0.048	0.054	0.049	0.052	0.046	0.050	0.050	-5.66%
SUBTOTAL	15.170	17.121	15.188	15.874	16.834	14.213	16.781	13.827	15.843	15.843	4.44%
 SAPPI	 14.658	 15.576	 16.081	 15.882	 16.222	 16.470	 16.202	 16.107	 16.000	 16.500	 12.57%
USG	0.373	0.435	0.403	0.460	0.459	0.492	0.538	0.481	0.450	0.450	20.64%
VERSO Duluth Mill	4.691	4.682	4.637	4.508	4.666	4.384	3.895	2.448			
ST PAPER 1										0.500	
SPECIALTY MINERALS	0.205	0.228	0.197	0.230	0.254	0.264	0.272	0.231	0.240	0.240	17.07%
SUBTOTAL	19.927	20.921	21.318	21.080	21.601	21.611	20.907	19.267	16.690	17.690	-11.23%
 TOTAL	 35.097	 38.042	 36.506	 36.954	 38.435	 35.824	 37.688	 33.094	 32.533	 33.533	 -4.46%

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

	2013	2014	2015	2016	2017	2018	2019	2020	BUDGET 2021	BUDGET 2022	% CHANGE 2013-2022
DULUTH	13,013	12,748	13,726	13,064	12,834	13,486	12,534	14,104	13,100	13,100	0.67%
CLOQUET	1,800	1,800	1,357	1,463	1,545	1,375	1,632	1,475	1,717	1,717	-4.62%
HERMANTOWN	1,113	1,134	1,165	1,180	1,155	1,172	1,164	1,016	1,150	1,150	3.32%
PROCTOR	471	433	471	470	682	781	520	476	530	530	12.53%
ESKO	305	250	250	250	250	255	255	263	263	263	-13.77%
SCANLON	202	264	254	268	319	262	305	241	282	282	39.55%
CARLTON	130	130	130	130	130	130	130	160	160	160	23.08%
THOMSON	12	17	18	17	17	13	15	15	17	17	39.00%
TWIN LAKES	227	244	240	246	213	207	211	96	292	292	28.59%
RICE LAKE	72	92	91	99	105	94	109	92	100	100	39.00%
OLIVER	33	35	32	34	35	33	35	28	37	37	11.20%
PIKE LAKE	149	150	134	139	152	140	156	133	167	167	11.95%
KNIFE RIVER	38	40	39	34	34	29	32	29	37	37	-3.43%
MPCA LANDFILL	37	40	36	40	15	4	2	3	3	3	-90.98%
WRENSHALL	45	54	42	43	58	43	53	45	45	45	0.08%
JAY COOKE	7	4	4	4	5	3	4	4	3	3	-52.34%
MIDWAY TOWNSHIP	6	6	8	11	7	7	7	7	8	8	25.10%
DULUTH / NORTH SHOR	88	92	75	81	90	82	87	77	83	83	-5.23%
SUBTOTAL	17,748	17,533	18,072	17,573	17,646	18,116	17,251	18,264	17,993	17,993	1.38%
 SAPPI	33,852	42,628	49,519	50,361	42,853	42,787	42,660	42,684	42,000	42,500	25.55%
USG	1,064	1,075	1,287	1,345	1,409	1,426	1,346	1,402	1,300	1,450	36.28%
VERSO Duluth Mill	24,238	24,768	24,270	25,011	21,247	18,114	15,360	7,710			
ST PAPER 1										15	
SPECIALTY MINERALS	5	6	5	6	7	7	7	6	6	6	20.00%
SUBTOTAL	59,159	68,477	75,081	76,723	65,516	62,334	59,373	51,802	43,306	43,971	-25.67%
 TOTAL	76,907	86,010	93,153	94,296	83,162	80,450	76,624	70,066	61,299	61,964	-19.43%

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

	2013	2014	2015	2016	2017	2018	2019	2020	BUDGET 2021	BUDGET 2022	% CHANGE 2013-2022
DULUTH	16,586	16,949	16,884	16,286	15,128	15,520	16,581	18,788	15,800	16,100	-2.93%
CLOQUET	2,800	2,800	2,334	2,515	2,656	2,365	2,805	2,168	2,522	2,522	-9.91%
HERMANTOWN	1,073	1,133	1,120	1,180	1,064	1,091	1,150	1,057	1,100	1,100	2.52%
PROCTOR	546	523	561	548	826	958	631	608	600	600	9.89%
ESKO	360	300	300	300	300	280	280	305	305	305	-15.28%
SCANLON	202	264	254	268	319	262	305	241	282	282	39.55%
CARLTON	160	160	160	160	160	160	160	183	183	183	14.38%
THOMSON	12	17	18	17	17	13	15	15	17	17	39.00%
TWIN LAKES	227	244	240	246	213	207	188	87	262	262	15.22%
RICE LAKE	72	92	91	99	105	94	109	92	100	100	39.00%
OLIVER	33	35	32	34	35	33	35	28	37	37	11.20%
PIKE LAKE	149	150	134	139	152	140	156	133	167	167	11.95%
KNIFE RIVER	38	40	39	34	34	29	32	29	37	37	-3.43%
MPCA LANDFILL	37	40	36	40	15	4	2	3	3	3	-90.98%
WRENSHALL	45	54	42	43	58	43	53	45	45	45	0.08%
JAY COOKE	7	4	4	4	5	3	4	4	3	3	-52.34%
MIDWAY TOWNSHIP	4	5	6	8	5	5	5	6	5	5	25.10%
DULUTH / NORTH SHOR	88	92	75	81	90	82	87	77	83	83	-5.23%
SUBTOTAL	22,439	22,902	22,330	22,002	21,182	21,289	22,598	23,869	21,551	21,851	-2.62%
 SAPPI	23,752	25,434	22,555	17,522	13,679	16,967	22,448	21,419	14,000	16,500	-30.53%
USG	697	757	433	426	679	686	925	1,178	600	1,100	57.82%
VERSO Duluth Mill	1,965	1,464	2,394	2,627	6,040	1,811	1,509	1,666			
ST PAPER 1										23	
SPECIALTY MINERALS	893	1,102	1,359	1,338	2,435	653	510	228	800	300	-66.41%
SUBTOTAL	27,307	28,757	26,741	21,913	22,833	20,117	25,392	24,491	15,400	17,923	-34.36%
 TOTAL	49,746	51,659	49,071	43,915	44,015	41,406	47,990	48,360	36,951	39,774	-20.05%

MUNICIPAL SOLID WASTE

VOLUME (Tons)	ESTIMATEBUDGET% CHANGE										
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2013-2022
DISTRICT - ST. LOUIS CTY	52,420	52,621	51,600	53,609	48,291	47,424	48,295	47,695	52,240	53,104	1.3%
CARLTON COUNTY	12,392	13,009	13,684	14,617	15,187	15,332	15,024	13,130	13,067	13,200	6.5%
ITASCA COUNTY				499							
LAKE COUNTY	5,015	5,083	6,334	6,961	7,032	7,108	7,143	6,906	6,471	6,500	29.6%
COOK COUNTY	3,157	2,608	3,096	3,249	3,506	3,466	3,606	3,086	3,525	3,600	14.0%
CITY OF SUPERIOR	5,315	5,299	6,898	5,956	12,700	12,941	11,026	9,824	8,942	9,000	69.3%
HAULER VOLUME	78,298	78,620	81,612	84,891	86,716	86,271	85,094	80,641	84,245	85,404	9.1%

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