

Solid Waste Budget

2018

The City of Kenora, Ontario, Canada

Lake of the Woods
KENORA





Table of Contents

Table of Contents

Introductory Information

Solid Waste Operations	3
Revenue Impacts	5
Existing Solid Waste Infrastructure	7
Operational Efficiencies	8

Budget Overview

2018 Budget Highlights	9
Actual and Projected System Funding Available	9

Detailed Budget Schedules

Analysis of System Funding Available – Actual and Projected	Appendix 1
---	-------------------

Operating Budget

Solid Waste Operating Budget	Appendix 2
Garbage Collection Budget Request	
Hazardous Waste Day Budget Request	
Transfer Facility Budget Request	
Kenora Area Landfill Budget Request	
Tri-Municipal Landfill Site Budget Request	
Solid Waste Vehicles & Equipment Budget Request	
Solid Waste Supervisor Budget Request	

Capital Projections

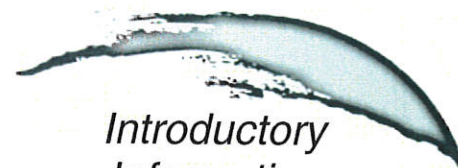
Five Year Capital Projections	Appendix 3
2018 Capital Projections	
2019 Capital Projections	
2020 Capital Projections	
2021 Capital Projections	
2022 Capital Projections	



City of Kenora 2018 Solid Waste Budgets

Solid Waste Operations

The City's solid waste operations are responsible for the collection and disposal of solid waste for the City of Kenora. In 2017, the City collected approximately 32,460 tons of waste, including recycling. The following table shows the annual distribution of municipal solid waste in 2017 in terms of weight. The quantities of municipal solid waste collected in 2017 were 3% higher than those collected in 2016. The pie chart at the top of the following page depicts the same information, but in a visual format. The City has been putting its solid waste in the Kenora Area Landfill since November 18, 2009.



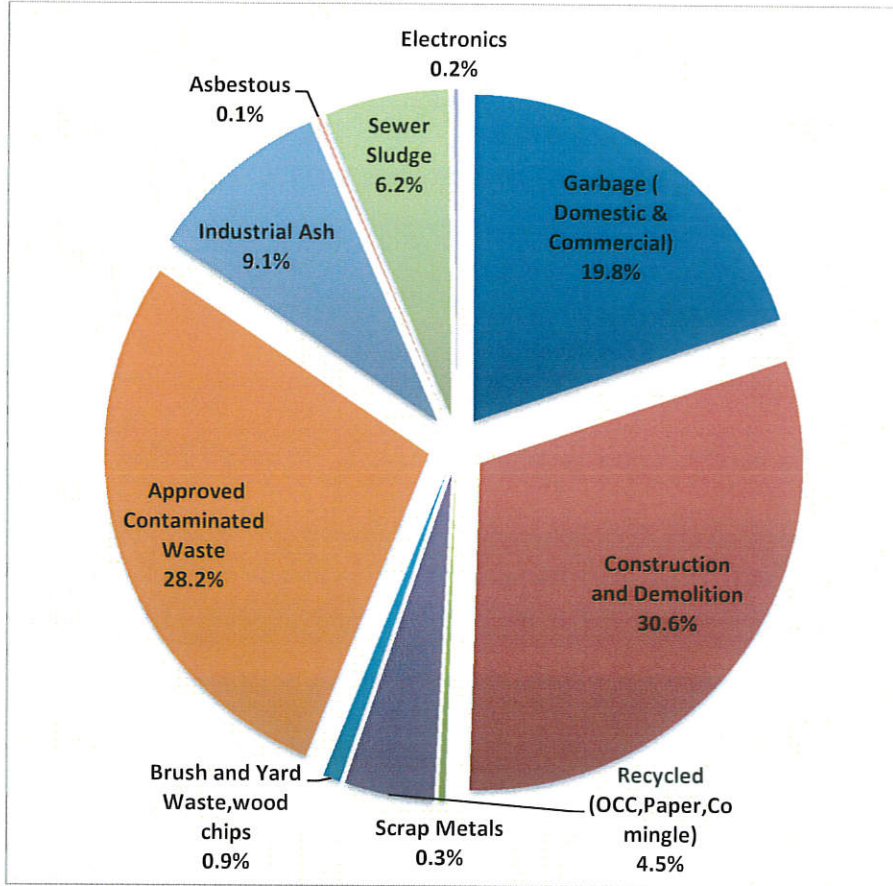
Introductory Information

Solid Waste Operations

S.No	Description	Weight (Tonnes)	Distribution
1	Garbage (Domestic & Commercial)	6,430.00	19.8%
2	Construction & Demolition Waste	9,928.00	30.6%
3	Scrap Metals	103.38	0.3%
4	Recycled (OCC, Paper, Comingle)	1,472.18	4.5%
5	Brush, Yard Waste and Wood Chips	284.96	0.9%
6	Approved Contaminated Waste	9,145.00	28.2%
7	Industrial Ash	2,953.00	9.1%
8	Asbestos	45.00	0.1%
9	Sewer Sludge	2,012.00	6.2%
10	Electronics Waste	63.00.	0.2%
11	Hazardous Waste	39.00	0.1%
	Total	32,476	

City of Kenora 2018 Solid Waste Budgets

Solid Waste Operations (Cont.)



Introductory Information

Solid Waste Operations (Cont.)

The City's current solid waste operations are staffed by a complement of 14 Full-Time Employees, 2 Part-Time Employees and 4 Seasonal employees. The Division deploys their staff to other areas of the City, such as the Roads Division, as required, based on workload demands, resulting in efficiencies within the Division where possible.

There are four (4) types of curbside collection within the City – Urban Residential, Rural Residential, Industrial / Commercial / Institutional (ICI) and Multi Dwellings collection. The City currently provides both urban and rural residential collection that operates on a weekly curbside collection schedule. The City provides combined residential garbage and blue box collection, with both streams collected in one truck.

The City also provides garbage and recyclables collection service to Coney Island during the spring and summer seasons. In addition to this, the City also collects recycle and garbage from the downtown receptacles. Private companies also offer various collection options for residential and commercial customers.



City of Kenora 2018 Solid Waste Budgets

Solid Waste Operations (Cont.)

The Blue Box Recycle Program is provided at no cost to residential users. Commercial users are charged a user fee for recycling. Costs for recycling are supported through property taxes and do not impact the City's solid waste budget. In 2017, the Transfer Station shipped 1,472 tonnes of recyclables to Cascades Recovery Inc. in Winnipeg. The City has collected 388 tonnes of recyclable waste materials from the curbside (residential, ICI and Multi) which is 26% of all recycle materials handled by the Division.

The City of Kenora also hauls the City of Dryden's recyclable waste to Winnipeg. The City of Kenora hauled 796.8 tonnes of Dryden's recyclable material in 2017.

The City diverted 63 tons of electronic waste from the landfill in 2017. The City collected 39 tons of Household Hazardous Waste in 2017 and diverted from the landfill.

Revenue Impacts

The City continues to comply with the Waste Diversion Act and makes changes in its Solid Waste Division to provide this service. Ongoing changes to this Division will continue while still ensuring the ongoing viability of the operation on a user pay basis. At the same time, Kenora residents are increasing their recycling efforts, resulting in further shifts in volumes through reductions in solid waste activity and increases in residential recycled materials.

Data has been collected to better understand the reduced amounts of refuse placed for curbside collection. Presently the municipal curbside collection operation only collects 14% by weight of waste and recycling that is handled through the Waste Transfer Facility. The blue box curbside collection routes currently average 2,091 pick-ups per cycle, with the average household producing one blue box and one garbage bag per week.



Introductory Information

Solid Waste Operations (Cont.)

Revenue Impacts



City of Kenora 2018 Solid Waste Budgets

Revenue Impacts (Cont.)

The City currently offers the following pick up services for solid waste and the blue box:

Solid Waste - 4 Day rotation

This service is offered to all residents of the City, but has seen a steady decrease in the overall number of bags being placed at the curb for collection. The Solid Waste Residential Curbside Collection Service is performed on a 4 day rotation within the city boundaries with two dual stream waste collection vehicles. In the rural areas of the City, these vehicles are required to travel significant distances for very low volumes of garbage and recycle collected.

Blue Box - 4 Day rotation

This service is offered to all residents of the City, but has seen a steady increase in the overall number of blue boxes being placed at the curbside. The Blue Box Residential Curbside Collection Service is performed on the same collection route as the garbage route with the same vehicles used for waste collection. Presently the City collects curbside recycling as co-mingled. All recyclables are shipped to Cascades Recovery Inc. in Winnipeg.

ICI and Multi-Unit Dwellings

Commercial facilities receive recycling pick-up once per week, through a user pay system. ICI rates have been established for commercial customers dropping off large quantities of recyclables. The City also provides services to multi-unit dwellings once in a week.

The trend of a reduction in solid waste, offset by an increase in recycled materials, is positive and the City wants to continue to encourage this type of shift from an environmental standpoint. There is as a result a loss of revenues which ultimately impacts the bottom line of the Solid Waste Division. As a result, in 2015, the City reviewed its tipping fees and the rate was increased. The bag tag rate remained the same.



Introductory Information

Revenue Impacts (Cont.)

City of Kenora 2018 Solid Waste Budgets

Existing Solid Waste Infrastructure

Major infrastructure related to the City's solid waste operations includes the Kenora Area Landfill (put into operation in 2000) and the Kenora Area Solid Waste Transfer Station. The City operates both these facilities under an Environmental Compliance Approval (ECA) from the Ministry of Environment and Climate Change (MOECC). The ECA for each site imposes stringent standards for the operations of each facility.

In addition to the Kenora Area Landfill and Kenora Area Solid Waste Transfer Station, the City continues to monitor the closed Tri-Municipal Landfill site, related to a post-closure plan. Costs related to this post-closure care will continue for a minimum of twenty-five (25) years following the closure of the site in 2000.

A detailed analysis related to the existing solid waste infrastructure, excluding vehicles and equipment, as well as the expected useful life has been included in the following table. This analysis shows the estimated annualized cost of capital for the solid waste operations, including the Kenora Area Landfill.

City of Kenora Solid Waste Operations Estimated Future Annualized Capital Needs Jones Road Landfill Option Implemented (in thousands of dollars)

	Replacement Cost	Total Useful Life	Annualized Cost
Major Capital Assets			
Transfer Facility	\$ 1,000	50	\$ 20
Landfill Site	6,000	35	171
Closure Costs for Old Site	1,000	35	29
	\$ 8,000		\$ 220

The remaining useful life of the Kenora Area Landfill site is directly related to the volume of waste hauled into it. In 2017, the City has disposed \$30,800 tons of municipal solid waste to the landfill. The estimated total tons of municipal waste disposed to the Kenora Area Landfill up to date is 230,856 tons. With the diversion of the City's solid waste to this site, the anticipated remaining life of the site is projected at 28.6 years.



Introductory Information

Existing Solid Waste Infrastructure

City of Kenora 2018 Solid Waste Budgets

Existing Solid Waste Infrastructure (Cont.)

Based on current requirements, any future City landfill site would be an engineered site with leachate containment and a sewage treatment facility to deal with the leachate. This type of site will be easier to find, but more costly to build and operate. Anticipated costs related to the development of a future site are \$5-7 million. Additionally, there would be closure costs related to the existing site. While closure costs for the site will be done in phases as the site is filled, final cost for closure is estimated at \$2.3 million.

Operational Efficiencies

The following operational changes were made in 2017 in order to improve the overall operational efficiencies of the City Transfer Facility and landfill:

- Cameras were installed at the landfill to keep track of activities
- Old cameras at the transfer station were replaced with new ones enhancing operating efficiencies
- A new roll off truck was purchased to replace the existed one.
- The city has made an application to the MNR for an aggregate pit near the landfill to supply enough daily cover materials, the permit application is still in progress.

The City will continue to review its solid waste and recycling operations on an ongoing basis, with the intent of implementing changes that would continue to improve the overall efficiencies of these operations.



Introductory Information

Existing Solid Waste
Infrastructure (Cont.)

Operational Efficiencies

City of Kenora 2018 Solid Waste Budgets

2018 Budget Highlights

The 2018 operating budget projects total combined revenues of \$2.46 million and expenditures of \$1.8 million, resulting in a system operating surplus of approximately \$.67 million before capital expenditures. Proposed capital expenditures for 2018 are \$.99 million. Larger value projects included in the 2018 capital expenditures are as follows:

- Fire Break/Peripheral Road - \$.20 million
- Loader - \$.23 million
- Bull Dozer - \$.33 million
- Garbage Trailer - \$.13 million

Actual and Projected System Funding Available

Over the next five years, the City is projecting a slight increase to its solid waste reserves. While this does look positive for the next five years it should be noted that net operations is steadily decreasing over the next 5 years due to increasing expenses. A further review of the City's tipping fees will be required, with the intent of ensuring sufficient funds are set aside annually to pay for ongoing capital, together with future landfill replacement costs.

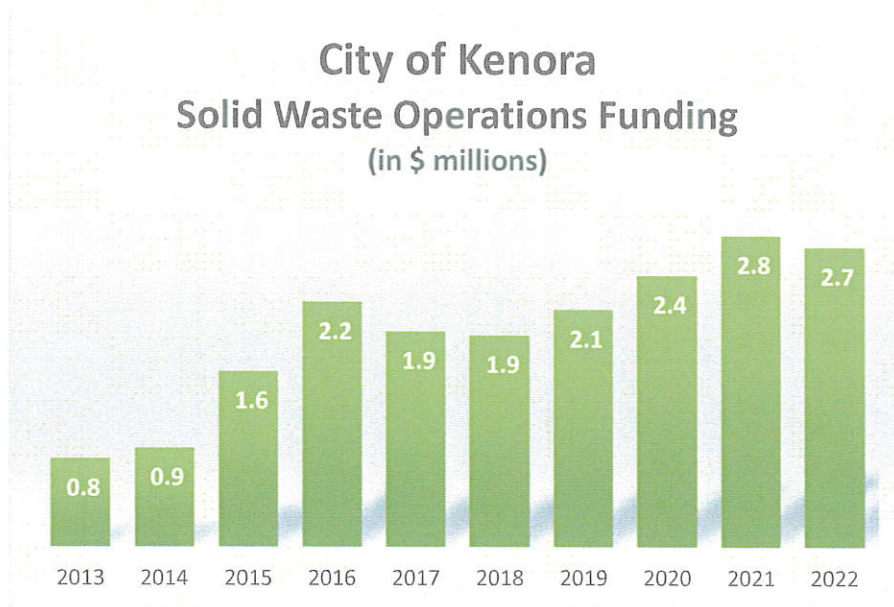
The following table outlines the actual solid waste accumulated reserves for the last five years, together with projected accumulated system funding over the next five-year period. The analysis included in Appendix 1 provides this information in greater detail.



Budget Overview

2018 Budget Highlights

Actual and Projected System Funding Available





Appendix 1



CITY OF KENORA - SOLID WASTE OPERATIONS
ANALYSIS OF SYSTEM FUNDING AVAILABLE - ACTUAL AND PROJECTED

	2013	2014	2015	2016	2017
COLLECTION					*
Garbage Collection	7,248	-25,325	-11,512	-6,956	-1,056
DISPOSAL					
Household Hazardous Waste Day	-10,538	-11,404	-21,573	-80,045	-54,423
Transfer Facility	189,908	205,621	169,306	217,100	157,634
Kenora Area Landfill	174,736	262,670	607,292	672,382	566,079
Tri Municipal Landfill	-5,299	-7,606	-6,810	-5,918	-7,019
VEHICLES & EQUIPMENT	69,003	89,499	251,363	202,982	156,406
ADMINISTRATION	-117,430	-133,603	-145,400	-141,036	-182,803
	307,628	379,852	842,667	858,509	634,817
OTHER IMPACTS					
Allocated to operating	0	-11,088	0	0	0
SYSTEM FUNDING BALANCE					
Opening System Funding	830,587	791,245	885,885	1,572,819	2,195,352
Net Operations	307,628	379,852	842,667	858,509	634,817
	1,138,215	1,160,008	1,728,552	2,431,328	2,830,170
CAPITAL WORKS					
Funded through System Funding	-346,970	-274,123	-155,733	-235,976	-575,000
BALANCE - SYSTEM FUNDING	791,245	885,885	1,572,819	2,195,352	2,255,170

* Based on preliminary operating and capital results.

	2018	2019	2020	2021	2022
OPENING BALANCE	2,255,170	1,932,761	2,199,424	2,544,440	2,942,076
ACTIVITY					
Operations Projected Surplus	667,591	631,663	595,016	557,636	519,509
Capital	-990,000	-365,000	-250,000	-160,000	-585,000
BALANCE - SYSTEM FUNDING	1,932,761	2,199,424	2,544,440	2,942,076	2,876,585



Operating Budget

Appendix 2



**CITY OF KENORA
SOLID WASTE
OPERATING BUDGET
2018**

29-Mar-18

	Account	2015		2016		2017		2018	
		BUDGET	ACTUAL	BUDGET	ACTUAL	BUDGET	PRELIM	BUDGET	PRELIM
REVENUES									
User Charges		2,035,404	2,334,528	2,075,000	2,476,201	2,181,600	2,358,552	2,464,000	268,362
Province of Ontario Grants		0	117	0	-	-	-	-	-
Other Income		15,000	7,025	7,000	-	-	-	-	-
		2,050,404	2,341,670	2,082,000	2,476,201	2,181,600	2,358,552	2,464,000	268,362
EXPENDITURES									
Collection									
Garbage Collection	4410000	271,453	255,039	270,441	260,352	292,252	258,680	292,007	32,033
Disposal									
Household Hazardous Waste	4450000	34,650	31,977	53,250	84,125	82,000	59,433	71,100	306
Transfer Facility	4480000	915,230	1,044,397	930,524	996,806	994,642	1,026,399	964,979	168,505
Kenora Area Landfill	4500000	290,885	266,743	360,044	332,437	422,940	345,806	410,237	54,544
Tri Municipal Landfill Site	4510000	6,350	6,810	6,500	5,918	6,000	7,019	7,600	305
		1,247,115	1,349,927	1,350,318	1,419,286	1,505,582	1,438,657	1,453,916	223,660
Vehicles & Equip	4530000	-101,007	-251,363	-201,300	- 202,982	- 261,407	- 156,406	- 151,183	- 351
SW Supervisor	4580000	142,273	145,400	168,728	141,036	188,930	182,803	201,669	11,750
TOTAL EXPENDITURES		1,559,834	1,499,003	1,588,187	1,617,692	1,725,357	1,723,734	1,796,409	267,092
NET REVENUE (EXPENDITURE)		490,570	842,667	493,813	858,509	456,243	634,817	667,591	1,270

City of Kenora - Department Budget Request

441 - Garbage Collection

Account	2016		2017		2018		
	Budget	Actual	Budget	Actual	Budget	Actual	
Revenues							
Garbage Collection User Fee Bag Tag Sales	4414710	117,000	121,622	122,000	130,664	132,000	20,928
Garbage Collection User Fee Bag Tag Sales Discount	4414711	127,000	131,775	132,000	126,960	127,000	17,404
		244,000	253,396	254,000	257,624	259,000	38,332
Expenditures							
Garbage Collection FT Wages	4416030	45,156	58,221	77,405	68,168	78,577	15,411
Garbage Collection PT Wages	4416040	18,362	13,131	18,918	6,843	19,200	0
Garbage Collection CPP	4416105	3,967	3,090	4,768	3,168	4,199	682
Garbage Collection EI	4416110	1,758	1,670	1,570	1,478	1,441	308
Garbage Collection EHT	4416115	1,824	1,332	1,878	1,391	1,907	285
Garbage Collection Health Plan Contrib	4416120	3,818	2,624	4,874	5,037	5,508	645
Garbage Collection OMERS	4416125	6,663	4,852	6,863	5,699	7,890	1,201
Garbage Collection Insurance Contrib	4416130	2,908	1,626	3,014	2,274	3,251	284
Garbage Collection WSIB	4416135	2,661	1,970	2,938	2,178	3,129	469
Garbage Collection Misc Benefits	4416199	1,655	0	2,475	0	0	0
Garbage Collection Advertising	4417040	500	0	500	685	750	0
Garbage Collection Alloc Garage	4417047	102,169	102,169	78,048	78,048	78,156	0
Garbage Collection Materials & Supplies	4417400	4,000	1,634	14,000	13,857	16,000	289
Garbage Collection Rent Own Equip	4417700	75,000	68,035	75,000	69,853	72,000	12,460
		270,441	260,352	292,252	258,680	292,007	32,033
Net Total		(26,441)	(6,956)	(38,252)	(1,056)	(33,007)	6,299

City of Kenora - Department Budget Request

445 - Hazardous Waste Day

	Account	2016		2017		2018	
		Budget	Actual	Budget	Actual	Budget	Actual
Revenues							
Household Hazardous Waste--Sale of Hazardous Waste	4455400	0	4,080	7,600	5,011	5,000	0
Household Haz Waste Day Misc Income WDO	4455410	7,000	0	0	0	0	0
		7,000	4,080	7,600	5,011	5,000	0
Expenditures							
Household Haz Waste Day FT Wages	4456030	12,250	8,210	9,000	5,689	6,000	27
Household Hazardous Waste--PT Wages	4456040	0	967	0	246	500	0
Household Haz-General- Benefits	4456104	0	3,230	3,300	1,876	2,000	13
Household Haz Waste Day Advertising	4457040	1,000	537	500	572	600	0
Household Haz Waste Day Contract Services	4457110	39,000	68,064	71,000	49,347	50,000	267
Household Haz Waste Day Materials & Supplies	4457400	1,000	3,117	1,500	1,704	12,000	0
		53,250	84,125	85,300	59,433	71,100	306
Net Total		(46,250)	(80,045)	(77,700)	(54,423)	(66,100)	(306)

City of Kenora - Department Budget Request

448 - Transfer Facility

Account	2016		2017		2018		
	Budget	Actual	Budget	Actual	Budget	Actual	
Transfer Facility User Fee Tipping Fees	4484710	1,190,000	1,184,700	1,190,000	1,169,342	1,180,000	133,976
Transfer Facility User Fee Miscellaneous	4484799	34,000	29,206	30,000	14,691	20,000	1,153
		1,224,000	1,213,906	1,220,000	1,184,033	1,200,000	135,129

Expenditures							
Garage & Shop FT Wages	3926030	0	0	12,817	0	0	0
Garage & Shop CPP	3926105	0	0	513	0	0	0
Garage & Shop EI	3926110	0	0	205	0	0	0
Garage & Shop EHT	3926115	0	0	250	0	0	0
Garage & Shop Health Plan Contrib	3926120	0	0	826	0	0	0
Garage & Shop OMERS	3926125	0	0	1,252	0	0	0
Garage & Shop Insurance Contrib	3926130	0	0	507	0	0	0
Garage & Shop WSIB	3926135	0	0	391	0	0	0
Garage & Shop Misc Benefits	3926199	0	0	330	0	0	0
Sanitary System FT Wages	4116030	0	0	3,446	0	0	0
Sanitary System CPP	4116105	0	0	128	0	0	0
Sanitary System EI	4116110	0	0	53	0	0	0
Sanitary System EHT	4116115	0	0	67	0	0	0
Sanitary System Health Plan Contrib	4116120	0	0	206	0	0	0
Sanitary System OMERS	4116125	0	0	348	0	0	0
Sanitary System Insurance Contrib	4116130	0	0	136	0	0	0
Sanitary System WSIB	4116135	0	0	37	0	0	0
Sanitary System Misc Benefits	4116199	0	0	83	0	0	0
Transfer Facility FT Wages	4486030	364,103	446,418	379,853	446,755	388,537	94,571
Transfer Facility PT Wages	4486040	66,096	54,376	78,391	76,088	80,509	9,054
Transfer Facility CPP	4486105	22,669	20,175	20,668	22,170	20,312	4,612
Transfer Facility EI	4486110	8,076	10,329	7,245	9,842	7,210	2,101
Transfer Facility EHT	4486115	8,591	9,249	8,936	10,035	9,126	1,940
Transfer Facility Health Plan Contrib	4486120	23,808	37,356	24,485	31,527	33,023	5,167
Transfer Facility OMERS	4486125	36,055	39,659	37,440	44,169	34,316	8,448
Transfer Facility Insurance Contrib	4486130	13,241	13,815	13,536	15,165	15,775	2,805
Transfer Facility WSIB	4486135	10,919	13,638	13,976	15,596	8,756	3,179
Transfer Facility Misc Benefits	4486199	7,725	1,951	15,291	2,503	0	0
Transfer Facility Advertising	4487040	2,000	3,295	3,000	3,119	3,000	0
Transfer Facility Computer Maintenance	4487090	0	0	0	0	6,300	0
Transfer Facility Contract Services	4487110	19,500	23,521	22,500	22,236	25,000	1,007
Transfer Facility Insurance	4487250	785	3,885	808	971	1,164	573
Transfer Facility Materials & Supplies	4487400	22,000	23,336	24,000	42,493	32,100	1,442
Transfer Facility Rent Own Equip	4487700	250,000	216,051	250,000	211,008	220,000	29,634
Transfer Facility Repairs & Maintenance	4487750	23,500	31,301	27,500	28,069	31,000	3,315
Transfer Facility Taxes & Licenses	4487820	31,956	32,213	27,419	31,121	30,849	273
Transfer Facility Utilities	4487840	11,500	11,882	11,500	9,850	11,500	385
Transfer Facility Training	4487850	8,000	4,355	6,500	3,679	6,500	0
		930,524	996,806	994,642	1,026,399	964,979	168,505

Net Total **293,476** **217,101** **225,358** **157,635** **235,021** **(33,375)**

City of Kenora - Department Budget Request

450 - Kenora Area Landfill

Account	2016		2017		2018		
	Budget	Actual	Budget	Actual	Budget	Actual	
Revenues							
Jones Road Landfill User Fee Tipping Fees	4504710	600,000	1,004,819	700,000	911,885	1,000,000	94,900
		600,000	1,004,819	700,000	911,885	1,000,000	94,900
Expenditures							
Garage & Shop FT Wages	3926030	0	0	9,430	0	0	0
Garage & Shop CPP	3926105	0	0	385	0	0	0
Garage & Shop EI	3926110	0	0	152	0	0	0
Garage & Shop EHT	3926115	0	0	184	0	0	0
Garage & Shop Health Plan Contrib	3926120	0	0	619	0	0	0
Garage & Shop OMERS	3926125	0	0	912	0	0	0
Garage & Shop Insurance Contrib	3926130	0	0	373	0	0	0
Garage & Shop WSIB	3926135	0	0	288	0	0	0
Garage & Shop Misc Benefits	3926199	0	0	248	0	0	0
Jones Road Landfill FT Wages	4506030	139,370	101,740	164,174	112,897	166,608	22,211
Jones Road Landfill CPP	4506105	7,369	5,262	7,692	5,832	7,781	1,071
Jones Road Landfill EI	4506110	996	2,601	2,676	2,407	2,716	481
Jones Road Landfill EHT	4506115	108	2,218	3,201	2,542	3,249	449
Jones Road Landfill Health Plan Contrib	4506120	12,849	7,044	12,384	8,343	15,891	1,282
Jones Road Landfill OMERS	4506125	14,343	10,228	14,776	11,679	14,995	2,084
Jones Road Landfill Insurance Contrib	4506130	6,308	4,356	6,490	4,658	6,998	766
Jones Road Landfill WSIB	4506135	4,590	3,279	5,007	3,972	0	737
Jones Road Landfill Misc Benefits	4506199	3,311	0	4,950	0	0	0
Jones Road Landfill-Monitoring-CE&CS	4506932	13,000	0	0	0	0	0
Jones Road Landfill-Monitoring -M & S	4506933	2,500	6,969	10,000	9,662	7,000	0
Jones Road Landfill Consulting & Engineering	4507100	8,500	0	0	0	0	0
Jones Road Landfill Contract Services	4507110	1,000	2,285	2,000	4,857	3,000	0
Jones Road Landfill Insurance	4507250	0	255	0	0	0	0
Jones Road Landfill Materials & Supplies	4507400	4,000	14,770	5,000	7,392	8,000	248
Jones Road Landfill Rent Own Equip	4507700	115,000	142,246	140,000	149,480	150,000	21,505
Jones Road Landfill Repairs & Maintenance	4507750	14,800	18,028	20,000	5,155	10,000	309
Jones Road Landfill Utilities	4507840	12,000	11,157	12,000	14,678	14,000	3,401
Capital-Jones Road Landfill-Aggregate area-C S	4508022	0	0	0	5,037	0	0
		360,044	332,437	422,940	348,589	410,237	54,544
Net Total		239,956	672,382	277,060	563,295	589,763	40,356

City of Kenora - Department Budget Request

451 - Tri Municipal Landfill Site

	Account	2016		2017		2018	
		Budget	Actual	Budget	Actual	Budget	Actual
Expenditures							
Tri-Municipal Landfill FT Wages	4516030	0	626	1,000	1,092	1,200	0
Tri-Municipal-General- Benefits	4516104	0	127	0	399	400	0
Tri-Municipal Landfill Contract Services	4517110	5,500	4,306	3,500	5,101	5,000	0
Tri-Municipal Landfill Materials & Supplies	4517400	1,000	370	1,000	427	500	305
Tri-Municipal Landfill Rent Own Equip	4517700	0	488	500	0	500	0
		6,500	5,918	6,000	7,019	7,600	305
Net Total		(6,500)	(5,918)	(6,000)	(7,019)	(7,600)	(305)

City of Kenora - Department Budget Request

453 - General Solid Waste Vehicles & Equipment

Account	2016		2017		2018	
	Budget	Actual	Budget	Actual	Budget	Actual
SW Vehicles & Equip Approp fr Reserve Fund	4530257	0	235,976	0	0	0
		0	235,976	0	0	0

Expenditures							
Garage & Shop FT Wages	3926030	0	0	48,375	0	54,963	0
Garage & Shop CPP	3926105	0	0	2,051	0	2,308	0
Garage & Shop EI	3926110	0	0	785	0	894	0
Garage & Shop EHT	3926115	0	0	943	0	1,072	0
Garage & Shop Health Plan Contrib	3926120	0	0	3,302	0	4,714	0
Garage & Shop OMERS	3926125	0	0	4,596	0	5,239	0
Garage & Shop Insurance Contrib	3926130	0	0	1,912	0	2,308	0
Garage & Shop WSIB	3926135	0	0	1,475	0	1,759	0
Garage & Shop Misc Benefits	3926199	0	0	1,320	0	0	0
SW Vehicles & Equip # 401 FT Wages	4534011	3,500	3,068	0	3,987	3,500	462
SW Vehicles & Equip # 401 Materials & Supplies	4534013	5,500	9,801	6,000	15,849	6,500	853
SW Vehicles & Equip # 401 Benefits	4534014	0	1,136	0	1,376	0	151
SW Vehicles & Equip # 401 Diesel	4534018	13,000	8,822	12,000	9,244	12,000	884
SW Vehicles & Equip # 401 Recovery	4534019	(43,000)	(58,072)	(43,000)	(51,686)	(52,000)	(5,332)
SW Vehicles & Equip # 402 FT Wages	4534021	3,500	2,672	0	5,528	6,000	726
SW Vehicles & Equip # 402 Materials & Supplies	4534023	5,500	2,931	2,000	7,536	6,500	142
SW Vehicles & Equip # 402 Benefits	4534024	0	834	0	2,312	0	245
SW Vehicles & Equip # 402 Diesel	4534028	13,000	8,604	8,500	8,573	8,500	1,403
SW Vehicles & Equip # 402 Recovery	4534029	(43,000)	(14,491)	(43,000)	(9,955)	(15,000)	0
SW Vehicles & Equip # 403 FT Wages	4534031	1,000	2,592	0	2,350	2,000	1,310
SW Vehicles & Equip # 403 Materials & Supplies	4534033	1,000	6,835	2,500	6,645	16,500	8,206
SW Vehicles & Equip # 403 Benefits	4534034	0	963	0	922	0	500
SW Vehicles & Equip # 403 Diesel	4534038	15,000	12,113	14,000	16,019	14,000	3,289
SW Vehicles & Equip # 403 Recovery	4534039	(70,000)	(89,721)	(70,000)	(89,070)	(90,000)	(14,663)
SW Vehicles & Equip # 404 FT Wages	4534041	2,000	529	0	2,123	2,500	435
SW Vehicles & Equip # 404 Materials & Supplies	4534043	2,500	2,325	2,500	36,216	3,500	1,335
SW Vehicles & Equip # 404 Benefits	4534044	0	171	0	635	0	222
SW Vehicles & Equip # 404 Diesel	4534048	5,000	3,895	4,500	4,362	3,500	1,177
SW Vehicles & Equip # 404 Recovery	4534049	(45,000)	(28,808)	(40,000)	(40,013)	(40,000)	(7,131)
SW Vehicles & Equip # 405 FT Wages	4534051	1,800	707	0	1,207	1,500	1,370
SW Vehicles & Equip # 405 Materials & Supplies	4534053	3,500	2,401	2,000	5,810	3,500	857
SW Vehicles & Equip # 405 Benefits	4534054	0	205	0	446	0	652
SW Vehicles & Equip # 405 Diesel	4534058	6,000	3,988	4,500	4,544	4,500	861
SW Vehicles & Equip # 405 Recovery	4534059	(32,000)	(31,412)	(32,000)	(32,896)	(32,000)	(5,010)
SW Vehicles & Equip # 406 FT Wages	4534061	400	284	0	0	200	0
SW Vehicles & Equip # 406 Materials & Supplies	4534063	400	73	400	13	200	0
SW Vehicles & Equip # 406 Benefits	4534064	0	119	0	0	0	0
SW Vehicles & Equip # 407 FT Wages	4534071	500	371	0	126	250	0
SW Vehicles & Equip # 407 Materials & Supplies	4534073	500	363	500	1,120	400	0
SW Vehicles & Equip # 407 Benefits	4534074	0	158	0	26	0	0
SW Vehicles & Equip # 407 Gasoline	4534077	2,500	1,900	2,500	2,602	2,500	236
SW Vehicles & Equip # 407 Recovery	4534079	(2,000)	(572)	(2,000)	(1,954)	(2,000)	(192)
SW Vehicles & Equip # 408 FT Wages	4534081	500	422	0	911	1,000	516
SW Vehicles & Equip # 408 Materials & Supplies	4534083	4,700	4,695	2,500	3,029	2,500	327
SW Vehicles & Equip # 408 Benefits	4534084	0	161	0	311	0	188
SW Vehicles & Equip # 408 Gasoline	4534087	4,200	3,282	4,000	4,464	4,000	565
SW Vehicles & Equip # 408 Recovery	4534089	(3,000)	(4,964)	(3,000)	(6,980)	(6,000)	(568)
SW Vehicles & Equip # 409 FT Wages	4534091	800	592	0	64	500	0
SW Vehicles & Equip # 409 Materials & Supplies	4534093	800	7,190	800	457	500	0
SW Vehicles & Equip # 409 Benefits	4534094	0	329	0	27	0	0
SW Vehicles & Equip # 409 Gasoline	4534097	2,500	1,744	2,100	1,573	1,500	171
SW Vehicles & Equip # 409 Recovery	4534099	(2,500)	(228)	(2,500)	(344)	(1,000)	0
SW Vehicles & Equip # 410 FT Wages	4534101	600	288	0	797	500	0
SW Vehicles & Equip # 410 Materials & Supplies	4534103	600	269	500	438	500	0
SW Vehicles & Equip # 410 Benefits	4534104	0	150	0	434	0	0
SW Vehicles & Equip # 410 Gasoline	4534107	500	0	200	85	200	0

City of Kenora - Department Budget Request

453 - General Solid Waste Vehicles & Equipment

	Account	2016		2017		2018	
		Budget	Actual	Budget	Actual	Budget	Actual
/ Vehicles & Equip # 410 Recovery	4534109	(1,500)	(44)	(1,000)	(1,265)	(1,000)	0
SW Vehicles & Equip # 411 FT Wages	4534111	3,500	3,151	0	1,099	1,500	473
SW Vehicles & Equip # 411 Materials & Supplies	4534113	8,000	2,665	2,500	4,196	2,500	152
SW Vehicles & Equip # 411 Benefits	4534114	0	1,101	0	283	0	140
SW Vehicles & Equip # 411 Diesel	4534118	4,500	5,590	4,200	6,646	4,200	1,059
SW Vehicles & Equip # 411 Recovery	4534119	(39,000)	(64,581)	(45,000)	(75,750)	(75,000)	(12,296)
SW Vehicles & Equip # 412 FT Wages	4534121	1,500	3,811	0	2,317	2,500	396
SW Vehicles & Equip # 412 Materials & Supplies	4534123	2,000	6,763	2,000	10,982	53,000	11,403
SW Vehicles & Equip # 412 Benefits	4534124	0	777	0	747	0	176
SW Vehicles & Equip # 412 Diesel	4534128	4,000	5,294	4,400	5,532	4,400	0
SW Vehicles & Equip # 412 Recovery	4534129	(19,980)	(31,262)	(25,000)	(37,759)	(30,000)	(443)
SW Vehicles & Equip # 413 FT Wages	4534131	1,200	1,032	0	1,075	1,000	140
SW Vehicles & Equip # 413 Materials & Supplies	4534133	1,500	2,627	1,500	3,768	2,000	1
SW Vehicles & Equip # 413 Benefits	4534134	0	265	0	542	0	32
SW Vehicles & Equip # 413 Recovery	4534139	(17,500)	(16,394)	(17,500)	(12,000)	(12,000)	(2,300)
SW Vehicles & Equip # 414 FT Wages	4534141	3,500	6,061	0	4,491	2,500	499
SW Vehicles & Equip # 414 Materials & Supplies	4534143	6,000	16,369	3,500	13,996	1,500	559
SW Vehicles & Equip # 414 Benefits	4534144	0	1,769	0	1,380	0	227
SW Vehicles & Equip # 414 Diesel	4534148	14,000	8,285	8,000	5,215	8,000	3,666
SW Vehicles & Equip # 414 Recovery	4534149	(32,000)	(19,220)	(28,000)	(8,510)	(20,000)	(6,882)
SW Vehicles & Equip # 415 FT Wages	4534151	3,500	5,138	0	7,710	5,000	267
SW Vehicles & Equip # 415 Materials & Supplies	4534153	6,000	22,298	6,500	22,397	6,500	3,391
SW Vehicles & Equip # 415 Benefits	4534154	0	1,542	0	2,604	0	22
SW Vehicles & Equip # 415 Diesel	4534158	22,000	21,088	22,000	22,206	22,000	314
SW Vehicles & Equip # 415 Recovery	4534159	(35,000)	(41,184)	(35,000)	(45,834)	(45,000)	(884)
SW Vehicles & Equip # 416 FT Wages	4534161	3,500	1,577	0	2,333	2,500	328
SW Vehicles & Equip # 416 Materials & Supplies	4534163	5,500	6,997	5,500	10,491	6,000	461
SW Vehicles & Equip # 416 Benefits	4534164	0	597	0	781	0	87
SW Vehicles & Equip # 416 Diesel	4534168	8,000	2,080	2,500	720	2,500	0
/ Vehicles & Equip # 416 Recovery	4534169	(25,000)	(18,168)	(20,000)	(31,068)	(20,000)	(9,976)
SW Vehicles & Equip # 417 FT Wages	4534171	1,200	0	0	1,394	1,500	0
SW Vehicles & Equip # 417 Materials & Supplies	4534173	2,000	1,920	2,200	3,023	2,500	997
SW Vehicles & Equip # 417 Benefits	4534174	0	0	0	531	0	0
SW Vehicles & Equip # 417 Diesel	4534178	6,500	5,045	6,500	6,071	4,500	0
SW Vehicles & Equip # 417 Recovery	4534179	(4,500)	(8,235)	(6,500)	(9,293)	(7,000)	0
SW Vehicles & Equip # 418 FT Wages	4534181	2,500	1,147	0	1,482	1,800	796
SW Vehicles & Equip # 418 Materials & Supplies	4534183	4,500	4,386	4,500	2,040	4,500	628
SW Vehicles & Equip # 418 Benefits	4534184	0	300	0	573	0	214
SW Vehicles & Equip # 418 Diesel	4534188	7,000	8,064	7,100	7,253	6,500	1,226
SW Vehicles & Equip # 418 Recovery	4534189	(18,000)	(25,470)	(20,000)	(20,700)	(20,000)	(7,875)
SW Vehicles & Equip # 419 FT Wages	4534191	1,500	1,288	0	1,628	1,800	105
SW Vehicles & Equip # 419 Materials & Supplies	4534193	6,000	16,843	6,000	12,767	7,500	4,322
SW Vehicles & Equip # 419 Benefits	4534194	0	533	0	724	0	26
SW Vehicles & Equip # 419 Diesel	4534198	70,000	38,828	45,000	50,390	45,000	11,580
SW Vehicles & Equip # 419 Recovery	4534199	(68,000)	(44,804)	(58,000)	(48,300)	(50,000)	(8,538)
SW Vehicles & Equip # 420 FT Wages	4534201	2,500	1,941	0	3,087	2,500	755
SW Vehicles & Equip # 420 Materials & Supplies	4534203	5,500	5,829	5,500	6,115	5,500	801
SW Vehicles & Equip # 420 Benefits	4534204	0	645	0	1,056	0	315
SW Vehicles & Equip # 420 Diesel	4534208	8,000	3,032	6,500	2,362	4,500	436
SW Vehicles & Equip # 420 Recovery	4534209	(22,000)	0	(22,000)	0	0	0
SW Vehicles & Equip # 421 FT Wages	4534211	2,500	2,086	0	3,194	3,500	1,585
SW Vehicles & Equip # 421 Materials & Supplies	4534213	6,000	10,874	6,500	17,376	7,000	3,718
SW Vehicles & Equip # 421 Benefits	4534214	0	606	0	915	0	568
SW Vehicles & Equip # 421 Diesel	4534218	15,000	12,703	15,000	13,931	15,000	2,207
SW Vehicles & Equip # 421 Recovery	4534219	(35,000)	(61,481)	(40,000)	(64,033)	(65,000)	(12,025)
SW Vehicles & Equip # 422 FT Wages	4534221	1,500	931	0	1,749	2,000	219
SW Vehicles & Equip # 422 Materials & Supplies	4534223	2,500	7,089	3,000	5,711	3,000	4,608
SW Vehicles & Equip # 422 Benefits	4534224	0	549	0	599	0	57
SW Vehicles & Equip # 422 Recovery	4534229	(12,000)	(10,913)	(12,000)	(11,244)	(12,000)	(2,725)
SW Vehicles & Equip # 423 FT Wages	4534231	1,500	2,057	0	3,319	2,500	1,342
SW Vehicles & Equip # 423 Materials & Supplies	4534233	2,500	974	2,000	5,832	4,500	1,059
SW Vehicles & Equip # 423 Benefits	4534234	0	484	0	1,259	0	609

City of Kenora - Department Budget Request

453 - General Solid Waste Vehicles & Equipment

	Account	2016		2017		2018	
		Budget	Actual	Budget	Actual	Budget	Actual
Vehicles & Equip # 423 Recovery	4534239	(17,000)	(10,844)	(15,000)	(11,675)	(12,000)	(2,088)
SW Vehicles & Equip # 424 FT Wages	4534241	2,500	5,205	0	3,178	3,000	0
SW Vehicles & Equip # 424 Materials & Supplies	4534243	4,000	1,954	2,500	2,608	2,500	0
SW Vehicles & Equip # 424 Benefits	4534244	0	1,589	0	710	0	0
SW Vehicles & Equip # 424 Recovery	4534249	(12,500)	(16,813)	(14,000)	(6,088)	(8,500)	0
SW Vehicles & Equip # 425 FT Wages	4534251	2,500	1,970	0	2,240	2,500	0
SW Vehicles & Equip # 425 Materials & Supplies	4534253	4,000	2,677	3,500	713	2,500	0
SW Vehicles & Equip # 425 Benefits	4534254	0	845	0	857	0	0
SW Vehicles & Equip # 425 Recovery	4534259	(12,500)	(1,713)	(10,000)	(7,663)	(8,500)	(763)
SW Veh #427 06 Ford Pick Up-FT Wages	4534271	0	0	0	51	250	324
SW Veh #427 06 Ford Pick Up-Materials & Supplies	4534273	0	0	0	273	0	691
SW Veh #427 06 Ford Pick Up-Gasoline	4534277	0	0	0	851	1,000	424
SW Vehicles & Equip Insurance	4537250	0	9,564	9,934	9,258	8,859	4,364
SW Vehicles & Equip Unassigned FT Wages	4539991	1,000	2,924	0	442	500	0
SW Vehicles & Equip Unassigned Contracted Services	4539992	4,500	0	0	0	0	0
SW Vehicles & Equip Unassigned Materials & Supplies	4539993	34,500	17,665	18,000	8,905	16,000	4,485
SW Vehicles & Equip Unassigned Benefits	4539994	9,480	0	0	0	0	0
SW Vehicles & Equip Unassigned Recovery	4539999	0	0	0	(463)	0	0
		(201,300)	(202,982)	(261,407)	(156,406)	(151,183)	(351)
Net Total		201,300	438,959	261,407	156,406	151,183	351

City of Kenora - Department Budget Request

458 - Solid Waste Supervisor

Expenditures	Account	2016		2017		2018	
		Budget	Actual	Budget	Actual	Budget	Actual
Transfer Facility FT Wages	4486030	0	0	46,468	0	49,130	0
Transfer Facility CPP	4486105	0	0	1,282	0	1,297	0
Transfer Facility EI	4486110	0	0	533	0	546	0
Transfer Facility EHT	4486115	0	0	906	0	958	0
Transfer Facility Health Plan Contrib	4486120	0	0	2,352	0	2,906	0
Transfer Facility OMERS	4486125	0	0	5,236	0	5,608	0
Transfer Facility Insurance Contrib	4486130	0	0	568	0	624	0
Transfer Facility WSIB	4486135	0	0	1,417	0	1,572	0
Transfer Facility Misc Benefits	4486199	0	0	825	0	0	0
Solid Waste Supervisor FT Wages	4586030	43,873	23,549	0	42,032	0	8,299
Solid Waste Supervisor CPP	4586105	1,272	1,218	0	1,282	0	526
Solid Waste Supervisor EI	4586110	619	617	0	533	0	230
Solid Waste Supervisor EHT	4586115	856	532	0	917	0	215
Solid Waste Supervisor Health Plan Contrib	4586120	2,404	1,809	0	2,357	0	584
Solid Waste Supervisor OMERS	4586125	4,936	3,040	0	5,319	0	1,250
Solid Waste Supervisor Insurance Contrib	4586130	522	291	0	555	0	147
Solid Waste Supervisor WSIB	4586135	469	786	0	1,350	0	353
Solid Waste Supervisor Misc Benefits	4586199	552	0	0	0	0	0
Solid Waste Supervisor Admin	4587020	106,325	106,325	123,393	123,393	133,078	0
Solid Waste Supervisor Materials & Supplies	4587400	200	300	250	129	250	20
Solid Waste Supervisor Subscript & Memberships	4587800	1,200	224	1,200	1,942	1,200	0
Solid Waste Supervisor Utilities	4587840	2,000	872	1,000	674	1,000	126
Solid Waste Supervisor Training	4587850	2,000	0	2,000	1,548	2,000	0
Solid Waste Supervisor Travel & Conference	4587900	1,500	1,474	1,500	774	1,500	0
		168,728	141,036	188,930	182,803	201,669	11,750
Net Total		(168,728)	(141,036)	(188,930)	(182,803)	(201,669)	(11,750)



Capital Projects

Appendix 3



**CITY OF KENORA - SOLID WASTE OPERATIONS
FIVE YEAR CAPITAL PROJECTIONS**

29/03/2018

DESCRIPTION	TOTAL COST				
	2018	2019	2020	2021	2022
Transfer Facility					
Purchase of 40 yds roll off bin				30,000	
Extension of Scale Building	50,000	200,000			
Outbound Scale					150,000
Kenora Area Landfill					
Landfill Development	50,000				
Fire Break/Peripheral Road	200,000				
SW Vehicles & Equipment					
Transfer Station Loader	230,000				
Bull Dozer	330,000				
Garbage Trailer	130,000				
Highway Tractor		165,000			
Co Mingle Collection Truck 50%			125,000		
Co Mingle Collection Truck 50%			125,000		
Garbage Trailer				130,000	
Landfill Loader					235,000
Highway Tractor					175,000
Landfill Side by Side					25,000
TOTAL PROJECTED COSTS	990,000	365,000	250,000	160,000	585,000

**CITY OF KENORA - SOLID WASTE OPERATIONS
CAPITAL BUDGET
2018**

#	Description	Total Cost	Sources of Funding			System
			Subsidy	Recovery	Other	
	Transfer Facility					
18.448.01	Extension of Scale Building	50,000	-	-	-	50,000
	Kenora Area Landfill					
18.450.01	Landfill Development	50,000	-	-	-	50,000
18.450.02	Fire Break/Peripheral Road	200,000	-	-	-	200,000
	SW Vehicles & Equipment					
18.453.01	Transfer Station Loader	230,000	-	-	-	230,000
18.453.02	Bull Dozer	330,000	-	-	-	330,000
18.453.03	Garbage Trailer	130,000	-	-	-	130,000
	FUNCTIONAL TOTALS	990,000	-	-	-	990,000

CITY OF KENORA - SOLID WASTE OPERATIONS
 CAPITAL BUDGET
 2019

#	Description	Total Cost	Sources of Funding			System
			Subsidy	Recovery	Other	
19.448.01	Transfer Facility Extension of Scale Building	200,000	-	-	-	200,000
19.453.01	SW Vehicles & Equipment Highway Tractor	165,000	-	-	-	165,000
FUNCTIONAL TOTALS		365,000	-	-	-	365,000

CITY OF KENORA - SOLID WASTE OPERATIONS
 CAPITAL BUDGET
 2020

#	Description	Total Cost	Sources of Funding			System
			Subsidy	Recovery	Other	
	SW Vehicles & Equipment					
20.453.01	Co Mingle Truck 50%	125,000	-	-	-	125,000
20.453.02	Co Mingle Truck 50%	125,000	-	-	-	125,000
	FUNCTIONAL TOTALS	250,000	-	-	-	250,000

CITY OF KENORA - SOLID WASTE OPERATIONS
 CAPITAL BUDGET
 2021

#	Description	Total Cost	Sources of Funding			System
			Subsidy	Recovery	Other	
21.448.01	Transfer Facility Purchase of 40 yds roll off bin	30,000	-	-	-	30,000
21.453.01	SW Vehicles & Equipment Garbage Trailer	130,000	-	-	-	130,000
	FUNCTIONAL TOTALS	160,000	-	-	-	160,000

CITY OF KENORA - SOLID WASTE OPERATIONS
 CAPITAL BUDGET
 2022

#	Description	Total Cost	Sources of Funding			System
			Subsidy	Recovery	Other	
	Transfer Facility					
22.448.01	Outbound Scale	150,000	-	-	-	150,000
	Solid Waste Vehicles & Equipment					
22.453.01	Landfill Loader	235,000	-	-	-	235,000
22.453.02	Highway Truck Tractor	175,000	-	-	-	175,000
22.453.03	Landfill Side by Side	25,000	-	-	-	25,000
	FUNCTIONAL TOTALS	585,000	-	-	-	585,000