



Water and  
Wastewater Budgets

The City of Kenora, Ontario, Canada

*Lake of the Woods*  
**KENORA**



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## Water & Wastewater Operations

The City's water & wastewater operations through its water and wastewater system provide clean drinking water and treatment of wastewater to the City residents. Today, however, significant pockets of the City remain un-serviced by these operations. Extension of these services to the whole City is too costly, due to the topography, geology and size of these un-serviced areas within the community. Provision to extend service to these areas is possible only with funding through senior levels of government.

Since amalgamation on 1 January 2000, the City has run its Water & Wastewater operations as a separate utility, funding operations fully through user fees. For 2017, the City's water operations treated and distributed about 2.34 million cubic meters of clean water with a sewage treatment volume of 2.24 million cubic meters for the same period.

The City's water and wastewater operations are staffed by a complement of 23 full time employees. The staffing complement is represented by:

- 4 water treatment plant (WTP) operators;
- 3 wastewater treatment plant (WWTP) operators;
- 12 water and wastewater operators;
- 1 meter reader;
- 2 electricians; and
- 2 supervisors

In addition, the City uses staff from its roads department to supplement water & wastewater staffing as required for all excavations and water tank truck delivery.

## Hiring and Certification of Employees

At the present time, employees are replaced as required. Under the current Ministry of Environment and Climate Change (MOECC) regulations, it takes a minimum of three (3) years to fully certify wastewater treatment employees and water / wastewater operators to the required class 2 based on the City's current water distribution and wastewater collection and treatment systems. Water treatment staff require four (4) years to become fully certified as the water treatment plant is designated as a class 3 treatment plant.

## Hiring and Certification of Employees (Cont.)

Current staffing Certifications are as follows:

### Water Treatment Plant (WT Class 3)

1 – Class 4 Water Treatment



## System Information

## Water & Wastewater Operations

## Hiring and Certification of Employees

# City of Kenora 2018 Water & Wastewater Budgets

3 – Class 3 Water Treatment

## Wastewater Treatment Plant (WWT Class 2)

2 - Class 2 Wastewater Treatment

1 - Class 1 Wastewater Treatment

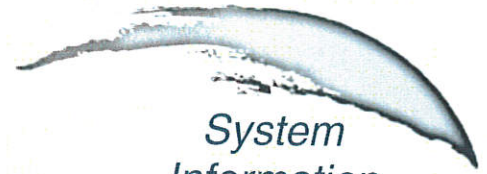
## Water Distribution & Wastewater Collection (WD 2 and WWC 2)

8 - Class 2 Water Distribution and Wastewater Collection

2 - Class 1 Water Distribution and Wastewater Collection

2 - Class OIT Water Distribution and Wastewater Collection

1 - Meter Reader



## System Information

Hiring and Certification of Employees (Cont.)

## Safe Drinking Water Act - What does it mean to the City?

The Municipal Drinking Water Licensing Program is the result of Ontario Regulation 188/07 made under the Safe Drinking Water Act (SDWA), 2002. This regulation was made in response to recommendations from Justice O'Connor's Part II Report of the Walkerton Inquiry.

Under this regulation, all municipalities that own municipal residential drinking water systems are required to have a Municipal Drinking Water License. This has replaced the previous system of Permits and Certificates of Approval (COA) issued by the Ministry of the Environment. Out of the two mandatory requirements for getting Drinking Water License, the first one is having an Operational Plan developed in accordance with the guidelines provided within the Drinking Water Quality Management Standard (DWQMS). The second is to ensure that an accredited authority be responsible for system operations. In order to become accredited, an

Safe Drinking Water Act-  
What Does it Mean to the  
City?

## Safe Drinking Water Act - What does it mean to the City? (Cont.)

Operating Authority must establish and maintain a Quality Management System (QMS).

As both the Owner and the Operating Authority of our municipal drinking water system, the City of Kenora has already developed its QMS.

The current MOECC Municipal Drinking Water License (License Number 228-101, Issue # 2) was issued on March 29, 2016 and will expire on September 28, 2020.

The current Certificate of Accreditation (Full Scope – Entire DWQMS, CERT – 0097531) issued on August 8, 2016 will be valid until its expiry date of August 5, 2019.



## City of Kenora 2018 Water & Wastewater Budgets

In addition to having an accredited QMS in place, the Drinking water Licensing Program also requires that municipalities complete and submit a long range Financial Plan for the Drinking Water System in accordance with Ontario Regulation 453/07. An updated plan is required every five years. The City hired BMA Management Consulting Inc (BMA) to develop its most recent long range financial plan. This plan was approved by Council in November 2015 and subsequently submitted in accordance with the SDWA 2002 and Ontario Regulation 453/07.



### *System Information*

#### **Existing Water & Wastewater Infrastructure**

Infrastructure related to the City's Water & Wastewater operations includes over 140 km of water mains and services and 136 km of wastewater mains, as well as both water and wastewater treatment plants. Unique to Kenora from many other Northern municipalities, the City's topography has resulted in 5 water booster pumping stations for different pressure zones, 64 sewage pumping stations and maintenance of about 350 residential and business grinder pumps. This adds both to the complexity and costs of maintaining the Kenora water and wastewater distribution and collection systems. In addition, the City is also responsible for the ongoing repair and maintenance, as well as eventual replacement, of about 4,900 water services and about 4,800 wastewater service connections within its water system. This also includes operation and maintenance of some summer services, such as Coney Island's and Highway 17 West water and wastewater services

Safe Drinking Water Act-  
What Does it Mean to the  
City? (Cont.)

### *Existing Water & Wastewater Infrastructure*

The replacement of utility mains infrastructure is based on deteriorated piping, requiring replacement due to age and capacity. Sanitary mains can be televised to determine the current condition and remaining useful life. Unfortunately, the City is unable to televise water mains, the replacement of which must be based on the age of the infrastructure and the number of breaks and repairs required.

While the expected lifespan of mains is normally 50 years, the City currently has some water mains that are in excess of 100 years old. While the repair/leak frequency of these mains has not warranted their replacement yet, this does represent a significant area of financial and service interruption risk for the City. Timely and proactive repair and replacement of our aging infrastructure is critical to the effective operation of the water and wastewater system. The City's asset management plan will help the division to work on this area.

## 2018 Budget Highlights

The 2018 operating budget projects total combined revenues of \$9.2 million and expenditures of \$6.3 million, resulting in a system operating surplus of approximately \$2.9 million before local improvement revenues and capital expenditures. Proposed capital expenditures for 2018 are \$5.5 million of which \$0.6 million is expected to be externally funded. Larger value projects included in the 2018 capital expenditures are as follows:

- Wastewater Collection Program (\$.75 million)
- First Street Development (\$.9 million)
- Upgrading Rabbit Lake Station (\$.52 million)
- Concrete Repair Works (\$.6 million)
- Water Main Program (\$.75 million)
- WTP Generator (\$.73 million)

## Rate Structure

There continues to be a shortfall in ongoing water & wastewater system operations as a means of sufficiently funding ongoing system capital requirements. Options available to the city for this are few – reduce service levels and or expenditures, or increase revenues.

A review of the City's existing infrastructure indicates a serious under spending with regards to the replacement of our aging water & wastewater systems. To compound this problem, new legislated requirements on water and wastewater dictate increased service requirements for the City. Based on current operations, the City cannot cut expenditures without compromising the safety and integrity of the water & wastewater operations, or the quality of the water produced. As such, service level reductions or decreased water & wastewater related expenditures are not viable options for the City.

In 2015, BMA updated the City's long range financial plan (including rate structure) for the City to provide strategies, principles, and policies to guide financial decision-making. The plan links together short and long range decisions and provides an understanding of the implications on operating budget, capital budget, reserves/debts, and assets. The City's goal is to ensure they can provide water/wastewater services on a sustainable basis.



## *Budget Overview*

## 2018 Budget Highlights

## Rate Structure



## Rate Structure (Cont.)

The City has been experiencing challenges with an underfunded program for replacement of existing assets as they come due for replacement. Accordingly, the City adopted an 8% increase in water and wastewater rates for 2017 and a further increase of 8% in 2018. Under the long range financial plan, rates are planned to be increased 5.5% in 2019, followed by 5.5% annually for the years 2020 and 2021. It should be noted that the BMA study projection ends in 2021 where it projects approximately \$4.5 from net operations in 2021. Currently the utility is not at this level for net operations with \$2.9 million projected for 2018. With the increases to the rate over the next few years a projection of \$4.2 million from operations is projected in 2021. It should also be noted that in our projection for 2022, the rate increase was equal to projected inflation for that year as the BMA study ended in 2021.

The expenditures used in the study by BMA did not include the substantial increases that the Ontario Energy Board recently released nor did they include the increase in staff recommended by the Organizational Review. This Five Year Plan does include these expenditures. Despite this, the City's forecast as included in this Five Year Plan, does start to generate reserves and slowly start to address the significant infrastructure deficit.

## Actual and Projected System Funding Available

The accumulated water & wastewater system surpluses came under increased pressures during the post-amalgamation period. Historically, while the water and wastewater utility were run on a user pay basis, the ongoing revenues generated from these operations had never been fully adjusted to reflect the actual infrastructure costs of maintaining the system. In addition, increased regulation and requirements related to water and wastewater treatment in the Province have had a significant impact in the costs of running the water and wastewater operations.

The increases to the water & wastewater rates structure in accordance with the recommendations made under the Long Range Financial Plans as developed by BMA, have begun to address the infrastructure funding issue. The City is slowly building water & wastewater reserves, while allocating additional dollars to the related infrastructure spending.

The table on the following page outlines the actual water & wastewater accumulated system funding available, for the past five years, as well as projected over the next five-year period.

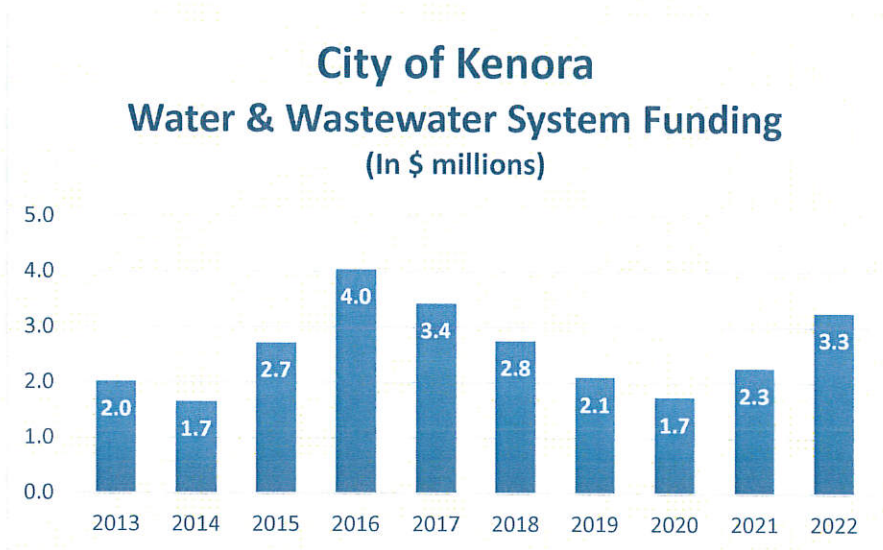


*Budget Overview*

Rate Structure (Cont.)

Actual and Projected System  
Funding Available

Actual and Projected System Funding Available (Cont.)



*Budget Overview*

Actual and Projected System Funding Available (Cont.)





## Water Meter Program

The City currently manually reads its water meters on a monthly basis. Other options available to the City to read the water meters include upgrading meters to radio frequency (licensed or unlicensed) so they can be read from a vehicle (e.g. garbage truck), or upgrading to licensed frequency to allow meters to be compatible with the hydro's smart meter system. Implementation of one of these types of systems would need to be justified through a business case scenario before an allocation of capital dollars would be approved.



## *Discussion Items*

### Water Meter Program

## Potential Risks

### Treatment Plant Staffing

Both the water and wastewater treatment plants operate 24 hours a day, 365 days a year. The staffing complement for these facilities is only scheduled for 8 hours a day, 7 days a week. These plants are not manned outside of this 8-hour period. To provide effective cover within these plants for a 24/7/365 operation, the City would require an additional 7 staff per plant, representing a significant increase in cost for the City. This is currently not a recommended option, although it may become essential in the future to comply with pending legislated developments. At the moment, staff members are available after hours to handle emergency maintenance and repairs as required.

### Potential Risks

## Water Shed Source Protection

Currently there is no formal source protection plan on the Lake of the Woods water shed. Under the Clean Water Act, the Ontario Government may in the future initiate a Source Protection Plan. This would make the City, as one of the stakeholders, responsible to identify and participate on making a Source Protection Plan to control all potential hazards within an outlined area of the City's drinking water intake. Some of the potential hazards include: the septic systems on Coney Island; the Rat Portage sewage lagoons; pesticides from the Kenora Golf Club; possible accidental spills from running train carriages or derailments; recreational activities in summer; and contaminants from industrial locations upstream. The City should look to develop a plan and share responsibility with other users towards source protection.



**Potential Risks (Cont.)**

**Taste and Odor issues in Summer**

During the summer in August and September the City receives a number of consumer complaints regarding a musty and earthy odor in our drinking water system. The City believes this is due to excessive algal blooms in our water source (Lake of the Woods) during this time and has no impact on health or safety. Consideration should be given to the preparation of an action plan to address this matter. The City received a technical evaluation report from a consultant on taste and odor issues with the City's water system in 2016. The recommendations contained therein on taste and odor should be considered in future plans for the Water Treatment Plant.

**Aging pumps and accessories at the wastewater pumping stations**

Most of the major wastewater pumping stations are struggling with the older pumps that are already beyond their expected life cycle. Once the pumps break down, it is difficult and sometimes impossible to obtain spare parts. In addition to pumps other installations such as headers, pipes/fittings including some electrical and mechanical components are also in the end of life stage. The City has taken this issue as high priority one and always tries to allocate budget dollars every year for the most needed stations.

**Replacement of the aging grinder pumps in phases**

The water/wastewater division has the additional burden of maintaining about 350 grinder pumps in the system. Some of the grinder pumps were installed 25-30 years ago and maintenance of these pumps including the replacement of parts represents a significant cost to the division in both time and money. Currently, there are some cases where not only the pumps but also the other accessories are failing. There is a phased plan that has been put forward by management to raise additional revenues to help offset the maintenance costs for not only the grinder pumps but also the tanks (canisters) and other components.



*Discussion Items*

Potential Risks (Cont.)





**Potential Risks (Cont.)**

**Pool of Seasonal Laborers**

It is recommended to have a pool of 3 or 4 seasonal laborers under Operations to work for different departments as per the work load. For example, in case of water and wastewater division these seasonal workers can work for some labor intensive work like snow removal around hydrants in the winter, landscaping and valve identification programs in summer. Our current practice of using the certified water and wastewater operators to do this work leads to higher costs than necessary.

**Looping of the Dead-end Water Mains**

The freezing issues in winter and the quality concerns in summer mostly occur on or near the dead-end water mains with relatively low water circulation. The City must have a plan for looping these identified most vulnerable dead-end water mains.

**Replacement of Critical Sections**

All identified vulnerable locations with frequent breakdowns and which are in the worst shape must be replaced in phase wise basis before any major emergency happens. City has considered this as one of its priorities, and depending upon the funding available has tied such replacement/renovation activities with its annual water main and wastewater collection programs.



*Discussion Items*

Potential Risks (Cont.)





*System Funding*

Appendix 1





**CITY OF KENORA - WATER & WASTEWATER OPERATIONS**  
**ANALYSIS OF SYSTEM FUNDING AVAILABLE - ACTUAL AND PROJECTED**

	2013	2014	2015	2016	2017
<b>SEWER OPERATIONS</b>					*
Sanitary System	1,348,721	1,705,583	1,869,702	2,376,031	2,886,344
Sewer Lift Stations	-196,473	-259,436	-272,658	-457,973	-596,238
Sewage Treatment Plant	-950,675	-999,776	-1,028,664	-1,150,129	-1,042,714
<b>VEHICLES &amp; EQUIPMENT</b>	-5,151	20,612	69,440	54,907	37,026
<b>WATER OPERATIONS</b>					
Waterworks	1,659,270	1,383,939	2,011,709	2,227,579	2,786,644
Water Standpipes & Booster Stns.	-28,662	-42,674	-42,872	-48,478	-34,538
Water Treatment Plant	-1,059,868	-1,091,833	-1,079,354	-1,037,322	-1,045,673
	767,162	716,414	1,527,302	1,964,615	2,990,851
<b>OTHER IMPACTS</b>					
Local Improvements Levy	42,888	77,185	37,643	37,643	37,643
Allocated to operating	0	-28,757	0	0	0
	810,050	764,842	1,564,945	2,002,258	3,028,494
<b>SYSTEM FUNDING BALANCE</b>					
Opening System Funding	2,596,189	2,017,416	1,657,130	2,723,727	4,048,953
Interest on Reserve Funds Held	13,311	34,416	23,564	8,453	14,404
	3,419,550	2,816,675	3,245,639	4,734,438	7,091,851
<b>CAPITAL WORKS</b>					
Funded through System Funding	-1,402,133	-1,159,545	-521,912	-685,484	-1,942,365
<b>BALANCE - SYSTEM FUNDING</b>	<b>2,017,416</b>	<b>1,657,130</b>	<b>2,723,727</b>	<b>4,048,953</b>	<b>5,149,486</b>

\* Based on preliminary operating results and capital budget as adjusted for carry forward items..

	2018	2019	2020	2021	2022
<b>OPENING BALANCE</b>	5,149,486	3,883,419	3,877,717	4,227,951	5,514,382
<b>ACTIVITY</b>					
Projected Operations	3,535,172	3,967,447	4,427,101	4,915,732	5,010,605
Local Improvements (mature 2020)	37,643	37,643	37,643		
Long Term Debt Impacts	-88,376	-85,877	-88,453		
Capital	-4,879,243	-4,022,000	-4,123,000	-3,735,000	-3,348,000
Interest on Reserve Funds Held	128,737	97,085	96,943	105,699	137,860
<b>BALANCE - SYSTEM FUNDING</b>	<b>3,883,419</b>	<b>3,877,717</b>	<b>4,227,951</b>	<b>5,514,382</b>	<b>7,314,847</b>



*Operating Budget*

Appendix 2









# City of Kenora - Department Budget Request

## 411 - Sanitary System

Account	2016		2017		2018		
	Budget	Actual	Budget	Actual	Budget	Actual	
<b>Revenues</b>							
Sanitary System Approp fr Reserve Fund	4110257	0	19,403	0	0	0	
Sanitary System User Fee Residential Surcharge	4114730	3,747,185	3,793,083	4,096,530	4,123,706	4,481,869	
Sanitary System User Fee Commercial Surcharge	4114731	59,136	69,220	69,500	67,338	60,000	
Sanitary System User Fee Miscellaneous Charges	4114799	15,702	32,247	32,000	8,686	10,000	
		<b>3,822,023</b>	<b>3,913,954</b>	<b>4,198,030</b>	<b>4,199,730</b>	<b>4,551,869</b>	<b>730,530</b>

<b>Expenditures</b>							
Roads Maintenance FT Wages	3116030	0	0	41,042	0	11,541	0
Roads Maintenance CPP	3116105	0	0	1,981	0	554	0
Roads Maintenance EI	3116110	0	0	667	0	188	0
Roads Maintenance EHT	3116115	0	0	798	0	225	0
Roads Maintenance Health Plan Contrib	3116120	0	0	3,204	0	1,102	0
Roads Maintenance OMERS	3116125	0	0	3,587	0	1,039	0
Roads Maintenance Insurance Contrib	3116130	0	0	1,618	0	485	0
Roads Maintenance WSIB	3116135	0	0	1,248	0	175	0
Roads Maintenance Misc Benefits	3116199	0	0	1,361	0	0	0
Sanitary System FT Wages	4116030	425,645	302,507	571,385	258,301	624,123	55,736
Sanitary System PT Wages	4116040	9,181	3,908	9,459	4,143	9,600	0
Sanitary System CPP	4116105	37,470	8,590	24,688	9,318	27,476	2,140
Sanitary System EI	4116110	16,677	3,946	9,226	3,711	10,094	939
Sanitary System EHT	4116115	17,524	5,146	11,326	5,498	12,358	874
Sanitary System Health Plan Contrib	4116120	58,070	35,349	37,400	27,231	47,593	1,964
Sanitary System OMERS	4116125	83,663	22,197	49,689	20,828	56,589	4,164
Sanitary System Insurance Contrib	4116130	33,154	6,862	20,592	9,156	23,563	1,028
Sanitary System WSIB	4116135	11,826	2,648	6,402	2,872	9,322	575
Sanitary System Misc Benefits	4116199	13,795	1,442	14,949	3,345	0	200
Sanitary System Sewer Mains FT Wages	4116911	84,000	208,589	0	87,305	85,000	36,478
Sanitary System Sewer Mains Contract Services	4116912	45,000	21,610	20,000	20,676	22,000	0
Sanitary System Sewer Mains Materials & Supplies	4116913	38,000	49,679	50,000	38,811	50,000	466
Sewer Mains Benefits	4116914	0	66,627	0	23,880	0	9,058
Sanitary System Sewer Mains Rent Own Equip	4116916	20,000	19,377	20,000	26,858	25,000	7,432
Sanitary System Pumping Stns Alloc After Hour Call	4116921	180,000	3,822	0	17,268	20,000	1,855
Sanitary System Pumping Stns Materials & Supplies	4116923	10,000	9,671	10,000	6,571	8,000	241
Sanitary System Pumping Stns Rent Own Equip	4116926	32,000	46,710	32,000	41,151	42,000	5,881
Sanitary System Pumping Stns Utilities	4116928	220,000	239,456	220,000	235,210	240,000	36,297
Sanitary System In-House Asphalt Repair Mat & Supp	4116933	0	0	0	24,223	0	0
Sanitary System Admin	4117020	108,001	108,001	108,776	108,776	111,508	0
Sanitary System Alloc Bill & Collect	4117021	125,147	115,630	144,292	144,292	195,244	0
Sanitary System Alloc Garage	4117047	94,034	94,034	83,465	83,465	82,993	0
Sanitary System Bad Debt	4117065	12,000	(16,749)	5,000	(9,084)	5,000	0
Sanitary System Computer Maintenance	4117090	35,000	45,563	38,000	47,664	47,000	3,972
Sanitary System Insurance	4117250	44,326	15,427	14,915	14,070	3,649	1,798
Sanitary System-Legal	4117300	0	0	0	9,896	0	0
Sanitary System Materials & Supplies	4117400	21,000	22,442	30,000	21,531	25,000	2,252
Sanitary System Misc	4117500	0	0	0	365	0	0
Sanitary System Building Rent	4117680	15,943	13,623	13,802	13,802	20,029	0
Sanitary System Rent Own Equip	4117700	20,000	12,442	28,000	13,607	14,000	2,646
Sanitary System Taxes & Licenses	4117820	28,614	27,452	25,448	27,792	26,235	0
Sanitary System Utilities	4117840	8,500	10,685	10,000	1,571	5,000	446
Sanitary System Training	4117850	6,000	5,072	6,000	5,363	6,000	0
Sanitary System Travel & Conference	4117900	2,000	2,244	1,200	0	1,200	24
		<b>1,856,570</b>	<b>1,514,000</b>	<b>1,671,521</b>	<b>1,349,466</b>	<b>1,870,885</b>	<b>176,468</b>
<b>Net Total</b>		<b>1,965,453</b>	<b>2,399,954</b>	<b>2,526,509</b>	<b>2,850,264</b>	<b>2,680,984</b>	<b>554,062</b>



# City of Kenora - Department Budget Request

## 412 - General Sewer Lift Stations

Account	2016		2017		2018	
	Budget	Actual	Budget	Actual	Budget	Actual
Lift Station Approp fr Reserve Fund	4120257	0	385,043	0	0	0
		0	385,043	0	0	0

Expenditures							
Garage & Shop FT Wages	3926030	0	0	5,694	0	0	0
Garage & Shop CPP	3926105	0	0	256	0	0	0
Garage & Shop EI	3926110	0	0	93	0	0	0
Garage & Shop EHT	3926115	0	0	111	0	0	0
Garage & Shop Health Plan Contrib	3926120	0	0	413	0	0	0
Garage & Shop OMERS	3926125	0	0	527	0	0	0
Garage & Shop Insurance Contrib	3926130	0	0	225	0	0	0
Garage & Shop WSIB	3926135	0	0	174	0	0	0
Garage & Shop Misc Benefits	3926199	0	0	165	0	0	0
Sanitary System FT Wages	4116030	0	0	0	0	153,805	0
Sanitary System CPP	4116105	0	0	0	0	6,514	0
Sanitary System EI	4116110	0	0	0	0	2,497	0
Sanitary System EHT	4116115	0	0	0	0	2,999	0
Sanitary System Health Plan Contrib	4116120	0	0	0	0	12,623	0
Sanitary System OMERS	4116125	0	0	0	0	13,464	0
Sanitary System Insurance Contrib	4116130	0	0	0	0	6,460	0
Sanitary System WSIB	4116135	0	0	0	0	1,723	0
Lift Station FT Wages	4126030	0	62,153	0	176,995	0	30,557
Lift Stations General Benefits	4126104	0	15,580	0	52,735	0	8,848
Lift Station Contract Services	4127110	0	109,611	50,000	28,912	50,000	0
Lift Station Materials & Supplies	4127400	53,500	53,159	125,000	71,523	125,000	12,098
Lift Station Utilities	4127840	0	0	0	17,357	0	0
Lift Station Matheson St Materials & Supplies	4129023	2,500	1,501	2,500	164	2,000	0
Lift Station 100 Main St FT Wages	4129031	0	603	0	0	0	0
Lift Station 100 Main St Materials & Supplies	4129033	10,000	2,574	15,000	0	10,000	0
Lift Station 100 Main St Benefits	4129034	0	139	0	0	0	0
Lift Station 8 Av S & Crk Materials & Supplies	4129043	8,000	14,334	15,000	4,380	7,000	0
Lift Station Sultana Materials & Supplies	4129053	10,000	34,670	25,000	35,995	25,000	207
Lift Station N Hamilton Materials & Supplies	4129063	5,000	2,630	4,000	2,221	24,000	39
Lift Station Preston St FT Wages	4129071	0	254	0	90	0	0
Lift Station Preston St Materials & Supplies	4129073	6,500	16,098	4,000	284	4,000	229
Lift Station Preston St Benefits	4129074	0	68	0	0	0	0
Lift Station Govt Rd Norm Materials & Supplies	4129083	6,000	0	1,500	432	3,000	7
Lift Station 1 Av W Norm Materials & Supplies	4129093	6,000	30	1,000	40	3,000	0
Lift Station Tunnel Island Materials & Supplies	4129113	4,000	1,477	10,000	26,047	13,000	0
Lift Station Subway Materials & Supplies	4129233	2,000	566	1,500	0	1,500	0
Lift Station Kenora Jail Materials & Supplies	4129333	3,500	0	2,000	311	4,000	0
Lift Station Ott St E End Materials & Supplies	4129433	1,500	2,092	3,000	1,717	3,000	0
Lift Station Ott St W End Materials & Supplies	4129463	1,500	6,773	7,000	6,819	10,000	49
Lift Station Govt Rd Cross Materials & Supplies	4129493	4,000	16,882	10,000	13,122	10,000	16
Lift Station Mclean Ave Materials & Supplies	4129503	4,000	3,144	6,000	2,428	4,000	0
Lift Station Redtt&Crawf FT Wages	4129521	2,000	0	0	120	0	0
Lift Station Redtt&Crawf Materials & Supplies	4129523	5,000	579	1,000	238	2,000	197
Lift Station Redtt&Crawf Benefits	4129524	0	0	0	33	0	0
Lift Station Rab Lk Trlr Pk Materials & Supplies	4129533	2,000	368	1,200	821	2,000	0
Lift Station Donbrock Dr FT Wages	4129561	0	56	0	0	0	0
Lift Station Donbrock Dr Materials & Supplies	4129563	4,000	1,231	2,000	1,186	2,000	0
Lift Station Odor Elim Materials & Supplies	4129573	6,000	15,849	15,000	18,056	20,000	1,703
Lift Station Grind Pump FT Wages	4129581	0	21,200	0	28,036	0	6,285
Lift Station Grind Pump Materials & Supplies	4129583	85,000	64,318	70,000	91,183	80,000	35,294
Lift Station Grind Pump Benefits	4129584	0	4,762	0	6,738	0	1,429
Lift Station Grind Pump Rent Own Equip	4129586	0	4,817	0	8,257	0	2,335
Lift Station Rent Own Equip	7127700	0	455	0	0	0	0
	<b>232,000</b>	<b>457,973</b>	<b>379,358</b>	<b>596,238</b>	<b>604,585</b>	<b>99,293</b>	
<b>Net Total</b>	<b>(232,000)</b>	<b>(72,930)</b>	<b>(379,358)</b>	<b>(596,238)</b>	<b>(604,585)</b>	<b>(99,293)</b>	



# City of Kenora - Department Budget Request

## 413 - Sewage Treatment Plant

Account	2016		2017		2018		
	Budget	Actual	Budget	Actual	Budget	Actual	
<b>Revenues</b>							
STP Approp Fr Reserves	4130057	0	0	(294)	0	0	
STP Approp fr Reserve Fund	4130257	0	68,804	0	0	0	
		<b>0</b>	<b>68,804</b>	<b>0</b>	<b>(294)</b>	<b>0</b>	<b>0</b>
<b>Expenditures</b>							
Garage & Shop FT Wages	3926030	0	0	3,021	0	0	0
Garage & Shop CPP	3926105	0	0	128	0	0	0
Garage & Shop EI	3926110	0	0	49	0	0	0
Garage & Shop EHT	3926115	0	0	59	0	0	0
Garage & Shop Health Plan Contrib	3926120	0	0	206	0	0	0
Garage & Shop OMERS	3926125	0	0	286	0	0	0
Garage & Shop Insurance Contrib	3926130	0	0	119	0	0	0
Garage & Shop WSIB	3926135	0	0	92	0	0	0
Garage & Shop Misc Benefits	3926199	0	0	83	0	0	0
Sanitary System FT Wages	4116030	0	0	0	0	10,428	0
Sanitary System CPP	4116105	0	0	0	0	516	0
Sanitary System EI	4116110	0	0	0	0	170	0
Sanitary System EHT	4116115	0	0	0	0	203	0
Sanitary System OMERS	4116125	0	0	0	0	939	0
Sanitary System WSIB	4116135	0	0	0	0	117	0
STP FT Wages	4136030	241,509	252,766	189,280	212,595	246,584	38,232
STP PT Wages	4136040	0	1,393	0	516	0	0
STP CPP	4136105	10,126	10,217	7,692	7,889	10,375	1,896
STP EI	4136110	4,521	4,980	3,027	3,289	3,972	837
STP EHT	4136115	4,709	4,934	3,691	4,233	4,808	781
STP Health Plan Contrib	4136120	14,425	13,185	9,749	18,136	19,744	2,073
STP OMERS	4136125	16,600	17,614	18,344	20,535	23,561	3,982
STP Insurance Contrib	4136130	9,519	8,414	7,482	7,610	11,106	1,482
STP WSIB	4136135	2,584	2,842	2,025	2,347	2,762	454
STP Misc Benefits	4136199	4,414	450	4,950	603	0	0
STP Chemicals	4137068	20,000	22,536	20,000	16,935	20,000	0
STP Contract Services	4137110	15,000	10,829	12,000	13,421	15,000	3,892
STP Insurance	4137250	8,619	8,619	8,878	5,725	2,744	1,352
STP Landfill Disposal	4137290	145,000	142,117	145,000	130,781	130,000	28,833
STP Materials & Supplies	4137400	45,000	47,158	45,000	55,062	46,200	3,445
STP Lab Test	4137480	12,000	9,810	12,000	11,162	12,000	1,556
STP Rent Own Equip	4137700	2,000	363	5,000	831	2,000	603
STP Repairs & Maintenance	4137750	35,000	38,249	25,000	23,364	25,000	168
STP Taxes & Licenses	4137820	52,709	51,790	50,781	51,780	51,996	0
STP Utilities	4137840	477,000	494,201	500,000	449,783	450,000	3,590
STP Training	4137850	8,000	7,663	8,000	6,580	8,000	81
		<b>1,128,735</b>	<b>1,150,129</b>	<b>1,081,945</b>	<b>1,043,177</b>	<b>1,098,225</b>	<b>93,257</b>
<b>Net Total</b>		<b>(1,128,735)</b>	<b>(1,081,325)</b>	<b>(1,081,945)</b>	<b>(1,043,471)</b>	<b>(1,098,225)</b>	<b>(93,257)</b>



# City of Kenora - Department Budget Request

## 414 - Water & Sewer General Vehicles & Equipment

Account	2016		2017		2018	
	Budget	Actual	Budget	Actual	Budget	Actual
W&S Vehicles & Equip Approp fr Reserve Fund	4140257	0	129,930	0	0	0
		0	129,930	0	0	0

Expenditures							
Warehouse FT Wages	3916030	0	0	0	0	11,257	0
Warehouse CPP	3916105	0	0	0	0	519	0
Warehouse EI	3916110	0	0	0	0	183	0
Warehouse EHT	3916115	0	0	0	0	220	0
Warehouse Health Plan Contrib	3916120	0	0	0	0	529	0
Warehouse OMERS	3916125	0	0	0	0	1,017	0
Warehouse Insurance Contrib	3916130	0	0	0	0	473	0
Warehouse WSIB	3916135	0	0	0	0	360	0
Garage & Shop FT Wages	3926030	0	0	30,944	0	39,238	0
Garage & Shop CPP	3926105	0	0	1,282	0	1,634	0
Garage & Shop EI	3926110	0	0	500	0	637	0
Garage & Shop EHT	3926115	0	0	603	0	765	0
Garage & Shop Health Plan Contrib	3926120	0	0	2,064	0	3,337	0
Garage & Shop OMERS	3926125	0	0	2,969	0	3,757	0
Garage & Shop Insurance Contrib	3926130	0	0	1,223	0	1,648	0
Garage & Shop WSIB	3926135	0	0	944	0	1,256	0
Garage & Shop Misc Benefits	3926199	0	0	825	0	0	0
W&S Vehicles & Equip # 201 FT Wages	4142011	500	839	0	925	0	413
W&S Vehicles & Equip # 201 Materials & Supplies	4142013	1,500	2,369	2,000	2,652	2,000	53
W&S Vehicles & Equip # 201 Benefits	4142014	0	326	0	291	0	96
W&S Vehicles & Equip # 201 Diesel	4142018	2,200	1,946	2,200	2,515	2,250	447
W&S Vehicles & Equip # 201 Recovery	4142019	(4,500)	(6,998)	(6,000)	(8,370)	(7,000)	(1,200)
W&S Vehicles & Equip # 202 FT Wages	4142021	500	1,571	0	66	0	0
W&S Vehicles & Equip # 202 Materials & Supplies	4142023	500	888	800	519	600	50
W&S Vehicles & Equip # 202 Benefits	4142024	0	475	0	17	0	0
W&S Vehicles & Equip # 202 Gasoline	4142027	1,000	2,279	2,000	3,044	2,500	872
W&S Vehicles & Equip # 202 Recovery	4142029	(2,500)	(10,198)	(2,500)	(13,872)	(12,000)	(2,784)
W&S Vehicles & Equip # 203 FT Wages	4142031	1,500	848	0	1,720	0	0
W&S Vehicles & Equip # 203 Materials & Supplies	4142033	2,500	1,822	2,000	3,146	3,500	50
W&S Vehicles & Equip # 203 Benefits	4142034	0	188	0	475	0	0
W&S Vehicles & Equip # 203 Diesel	4142038	2,200	384	1,500	1,014	1,200	137
W&S Vehicles & Equip # 203 Recovery	4142039	(1,200)	(2,345)	(1,200)	(5,347)	(4,500)	(429)
W&S Vehicles & Equip # 204 FT Wages	4142041	1,500	2,669	0	827	0	17
W&S Vehicles & Equip # 204 Materials & Supplies	4142043	3,500	10,090	3,500	8,215	5,000	50
W&S Vehicles & Equip # 204 Benefits	4142044	0	1,439	0	397	0	(25)
W&S Vehicles & Equip # 204 Diesel	4142048	6,000	3,820	4,500	3,841	3,500	968
W&S Vehicles & Equip # 204 Recovery	4142049	(6,000)	(136)	(6,000)	(294)	(1,000)	0
W&S Vehicles & Equip # 205 FT Wages	4142051	800	605	0	198	0	107
W&S Vehicles & Equip # 205 Materials & Supplies	4142053	1,500	456	1,500	1,742	1,000	50
W&S Vehicles & Equip # 205 Benefits	4142054	0	139	0	87	0	42
W&S Vehicles & Equip # 205 Diesel	4142058	1,700	1,400	1,700	1,429	1,400	302
W&S Vehicles & Equip # 205 Recovery	4142059	(4,000)	(11,487)	(4,000)	(7,142)	(7,000)	(745)
W&S Vehicles & Equip # 206 FT Wages	4142061	1,500	1,218	0	863	0	236
W&S Vehicles & Equip # 206 Materials & Supplies	4142063	2,500	2,079	1,500	1,757	2,000	494
W&S Vehicles & Equip # 206 Benefits	4142064	0	492	0	235	0	144
W&S Vehicles & Equip # 206 Diesel	4142068	3,800	5,060	5,000	4,921	5,000	1,252
W&S Vehicles & Equip # 206 Recovery	4142069	(19,000)	(22,954)	(22,000)	(18,505)	(20,000)	(4,878)
W&S Vehicles & Equip # 207 FT Wages	4142071	800	285	0	104	0	0
W&S Vehicles & Equip # 207 Materials & Supplies	4142073	800	174	800	613	800	0
W&S Vehicles & Equip # 207 Benefits	4142074	0	135	0	27	0	0
W&S Vehicles & Equip # 207 Gasoline	4142077	3,000	1,137	2,000	1,629	1,500	552
W&S Vehicles & Equip # 207 Recovery	4142079	(9,800)	(5,236)	(6,500)	(5,992)	(6,500)	(1,556)
W&S Vehicles & Equip # 208 FT Wages	4142081	800	659	0	393	0	380
W&S Vehicles & Equip # 208 Materials & Supplies	4142083	1,500	2,485	1,800	2,819	1,800	366
W&S Vehicles & Equip # 208 Benefits	4142084	0	216	0	124	0	177
W&S Vehicles & Equip # 208 Diesel	4142088	5,000	4,049	4,200	4,952	4,200	1,001



# City of Kenora - Department Budget Request

## 414 - Water & Sewer General Vehicles & Equipment

	Account	2016		2017		2018	
		Budget	Actual	Budget	Actual	Budget	Actual
S Vehicles & Equip # 208 Recovery	4142089	(12,000)	(16,260)	(12,000)	(16,910)	(16,500)	(3,136)
W&S Vehicles & Equip # 209 FT Wages	4142091	800	25	0	50	0	504
W&S Vehicles & Equip # 209 Materials & Supplies	4142093	800	604	800	13	500	0
W&S Vehicles & Equip # 209 Benefits	4142094	0	12	0	10	0	157
W&S Vehicles & Equip # 209 Diesel	4142098	300	0	500	0	500	52
W&S Vehicles & Equip # 209 Recovery	4142099	(1,142)	0	(1,142)	0	(1,500)	0
W&S Vehicles & Equip # 210 FT Wages	4142101	1,200	72	0	76	0	0
W&S Vehicles & Equip # 210 Materials & Supplies	4142103	1,000	494	800	242	500	0
W&S Vehicles & Equip # 210 Benefits	4142104	0	34	0	42	0	(3)
W&S Vehicles & Equip # 210 Diesel	4142108	500	0	500	0	200	0
W&S Vehicles & Equip # 210 Recovery	4142109	(1,140)	0	(1,140)	(1,292)	(1,140)	0
W&S Vehicles & Equip # 211 FT Wages	4142111	500	0	0	0	0	0
W&S Vehicles & Equip # 211 Materials & Supplies	4142113	500	0	200	0	200	0
W&S Vehicles & Equip # 211 Recovery	4142119	(500)	0	(500)	0	0	0
W&S Vehicles & Equip # 212 FT Wages	4142121	1,000	308	0	1,481	0	118
W&S Vehicles & Equip # 212 Materials & Supplies	4142123	1,000	1,697	800	2,779	1,500	50
W&S Vehicles & Equip # 212 Benefits	4142124	0	74	0	499	0	28
W&S Vehicles & Equip # 212 Diesel	4142128	2,500	1,413	1,800	262	1,000	0
W&S Vehicles & Equip # 212 Recovery	4142129	(10,000)	(9,458)	(10,000)	(10,088)	(10,000)	(1,784)
W&S Vehicles & Equip # 213 FT Wages	4142131	500	578	0	0	0	0
W&S Vehicles & Equip # 213 Materials & Supplies	4142133	500	0	500	184	500	0
W&S Vehicles & Equip # 214 FT Wages	4142141	500	445	0	542	0	0
W&S Vehicles & Equip # 214 Materials & Supplies	4142143	800	1,987	800	1,093	800	0
W&S Vehicles & Equip # 214 Benefits	4142144	0	143	0	196	0	0
W&S Vehicles & Equip # 214 Gasoline	4142147	1,500	2,237	2,000	2,451	2,100	410
W&S Vehicles & Equip # 214 Recovery	4142149	(7,000)	(12,308)	(8,000)	(14,366)	(14,000)	(2,484)
W&S Vehicles & Equip # 215 FT Wages	4142151	500	357	0	0	0	265
W&S Vehicles & Equip # 215 Materials & Supplies	4142153	1,600	527	500	627	500	14
W&S Vehicles & Equip # 215 Benefits	4142154	0	124	0	0	0	100
W&S Vehicles & Equip # 215 Gasoline	4142157	1,500	943	1,500	839	1,000	131
W&S Vehicles & Equip # 215 Recovery	4142159	(7,000)	(336)	(2,500)	(400)	(1,500)	(112)
W&S Vehic-# 216-02 VanduraFT Wages	4142161	0	369	0	50	0	0
W&S Vehic-# 216-02 Vandura-Materials	4142163	0	461	500	492	500	0
W&S Vehicles & Equip # 216-Benefits	4142164	0	52	0	10	0	0
W&S Vehic-# 216-02 Vandura-Gasoline	4142167	0	989	1,100	1,078	1,000	321
W&S Vehicles & Equip # 216-02 Vandura-Recovery	4142169	0	(3,580)	(3,000)	(5,116)	(4,500)	(2,490)
W&S Vehicles & Equip # 217 FT Wages	4142171	1,500	2,147	0	1,406	0	0
W&S Vehicles & Equip # 217 Materials & Supplies	4142173	3,500	4,096	3,500	4,875	4,000	50
W&S Vehicles & Equip # 217 Benefits	4142174	0	892	0	567	0	0
W&S Vehicles & Equip # 217 Diesel	4142178	3,000	1,015	2,000	1,522	2,000	439
W&S Vehicles & Equip # 217 Recovery	4142179	(13,529)	(7,378)	(13,529)	(10,621)	(13,529)	(2,947)
W&S Vehicles & Equip # 218 FT Wages	4142181	3,000	1,751	0	2,902	0	394
W&S Vehicles & Equip # 218 Materials & Supplies	4142183	4,000	4,946	4,500	20,644	5,000	2,560
W&S Vehicles & Equip # 218 Benefits	4142184	0	602	0	1,035	0	103
W&S Vehicles & Equip # 218 Diesel	4142188	8,000	5,682	7,500	8,470	7,500	1,163
W&S Vehicles & Equip # 218 Recovery	4142189	(24,293)	(25,691)	(24,293)	(28,662)	(28,000)	(2,372)
W&S Vehicles & Equip # 219 FT Wages	4142191	2,000	296	0	4,196	0	99
W&S Vehicles & Equip # 219 Materials & Supplies	4142193	2,500	1,010	1,000	4,533	2,000	106
W&S Vehicles & Equip # 219 Benefits	4142194	0	102	0	1,293	0	22
W&S Vehicles & Equip # 219 Diesel	4142198	2,000	497	1,500	1,126	1,500	215
W&S Vehicles & Equip # 219 Recovery	4142199	(12,000)	(6,426)	(12,000)	(12,329)	(12,000)	(2,343)
W&S Vehicles & Equip # 220 FT Wages	4142201	500	125	0	117	0	0
W&S Vehicles & Equip # 220 Materials & Supplies	4142203	500	265	500	555	500	50
W&S Vehicles & Equip # 220 Benefits	4142204	0	43	0	25	0	0
W&S Vehicles & Equip # 220 Gasoline	4142207	1,600	1,500	1,600	1,228	1,500	219
W&S Vehicles & Equip # 220 Recovery	4142209	(3,000)	(12,456)	(4,000)	(7,596)	(7,000)	0
W&S Vehicles & Equip # 221 FT Wages	4142211	500	100	0	224	0	33
W&S Vehicles & Equip # 221 Materials & Supplies	4142213	500	352	500	681	500	64
W&S Vehicles & Equip # 221 Benefits	4142214	0	24	0	80	0	7
W&S Vehicles & Equip # 221 Gasoline	4142217	2,500	2,555	2,500	3,458	2,700	787
W&S Vehicles & Equip # 221 Recovery	4142219	(5,000)	(11,476)	(6,000)	(11,128)	(11,000)	(2,296)
W&S Vehicles & Equip # 222 FT Wages	4142221	500	162	0	429	0	0



# City of Kenora - Department Budget Request

## 414 - Water & Sewer General Vehicles & Equipment

	Account	2016		2017		2018	
		Budget	Actual	Budget	Actual	Budget	Actual
W&S Vehicles & Equip # 222 Materials & Supplies	4142223	500	945	500	381	500	50
W&S Vehicles & Equip # 222 Benefits	4142224	0	81	0	211	0	0
W&S Vehicles & Equip # 222 Gasoline	4142227	2,500	706	1,000	1,031	1,000	294
W&S Vehicles & Equip # 222 Recovery	4142229	(10,000)	(86)	(4,000)	(4,236)	(4,000)	(2,512)
W&S Vehicles & Equip # 223 FT Wages	4142231	500	316	0	243	0	166
W&S Vehicles & Equip # 223 Materials & Supplies	4142233	600	230	500	652	500	288
W&S Vehicles & Equip # 223 Benefits	4142234	0	199	0	68	0	46
W&S Vehicles & Equip # 223 Gasoline	4142237	1,200	954	1,200	665	1,000	284
W&S Vehicles & Equip # 223 Recovery	4142239	(4,000)	(3,672)	(4,000)	(2,718)	(3,500)	(678)
W&S Vehicles & Equip # 224 FT Wages	4142241	500	276	0	278	0	0
W&S Vehicles & Equip # 224 Materials & Supplies	4142243	500	314	500	781	500	159
W&S Vehicles & Equip # 224 Benefits	4142244	0	108	0	81	0	0
W&S Vehicles & Equip # 224 Gasoline	4142247	3,200	2,447	2,600	3,092	2,600	511
W&S Vehicles & Equip # 224 Recovery	4142249	(1,000)	(8)	(1,000)	0	(500)	0
W&S Vehicles-2016 GMC pickup -FT Wages	4142251	0	28	0	288	0	0
W&S Vehicle-2016 GMC pickup -Materials	4142253	0	298	800	422	500	0
W&S Vehicles & Equip #225 -Benefits	4142254	0	16	0	99	0	0
W&S Vehicles-2016 GMC pickup -Gasoline	4142257	0	332	1,200	1,662	1,300	294
W&S Vehicles & Equip Insurance	4147250	7,322	7,200	7,294	8,690	10,346	5,096
W&S Vehicles & Equip Unassigned FT Wages	4149991	1,500	120	0	1,107	0	0
W&S Vehicles & Equip Unassigned M&S	4149993	11,000	4,368	8,000	4,265	10,500	4,485
W&S Vehicles & Equip Unassigned Gasoline	4149997	1,000	0	200	0	300	0
W&S Vehicles & Equip Unassigned Diesel	4149998	100	0	800	0	800	0
		(27,482)	(54,907)	(14,954)	(37,026)	(13,744)	(6,389)
<b>Net Total</b>		<b>27,482</b>	<b>184,837</b>	<b>14,954</b>	<b>37,026</b>	<b>13,744</b>	<b>6,389</b>



# City of Kenora - Department Budget Request

## 431 - Waterworks

	Account	2016		2017		2018	
		Budget	Actual	Budget	Actual	Budget	Actual
<b>Revenues</b>							
Waterworks Approp fr Reserve Fund	4310257	0	7,732	0	0	0	0
Waterworks User Fee Water - Metered Revenue	4314731	1,583,598	1,572,850	1,698,678	1,955,325	2,132,718	314,694
Waterworks User Fee Water Monthly Service Crg	4314732	2,253,194	2,284,914	2,467,707	2,244,321	2,431,959	412,594
Waterworks User Fee Water Purchased	4314737	66,199	64,971	66,500	73,361	70,000	12,703
Waterworks User Fee Other Service Charges	4314739	49,525	39,915	40,000	37,104	40,000	8,106
		<b>3,952,516</b>	<b>3,970,383</b>	<b>4,272,885</b>	<b>4,310,111</b>	<b>4,674,677</b>	<b>748,098</b>
<b>Expenditures</b>							
Roads Maintenance FT Wages	3116030	0	0	40,242	0	63,692	0
Roads Maintenance CPP	3116105	0	0	1,944	0	3,082	0
Roads Maintenance EI	3116110	0	0	655	0	1,038	0
Roads Maintenance EHT	3116115	0	0	783	0	1,242	0
Roads Maintenance Health Plan Contrib	3116120	0	0	3,080	0	6,150	0
Roads Maintenance OMERS	3116125	0	0	3,518	0	5,732	0
Roads Maintenance Insurance Contrib	3116130	0	0	1,588	0	2,675	0
Roads Maintenance WSIB	3116135	0	0	1,225	0	1,215	0
Roads Maintenance Misc Benefits	3116199	0	0	1,337	0	0	0
Sanitary System FT Wages	4116030	0	0	470,183	0	382,163	0
Sanitary System CPP	4116105	0	0	19,462	0	15,756	0
Sanitary System EI	4116110	0	0	7,437	0	5,998	0
Sanitary System EHT	4116115	0	0	9,169	0	7,452	0
Sanitary System Health Plan Contrib	4116120	0	0	29,296	0	27,622	0
Sanitary System OMERS	4116125	0	0	42,197	0	35,168	0
Sanitary System Insurance Contrib	4116130	0	0	17,381	0	14,683	0
Sanitary System WSIB	4116135	0	0	5,031	0	4,280	0
Sanitary System Misc Benefits	4116199	0	0	12,524	0	0	0
Waterworks FT Wages	4316030	202,746	163,367	101,904	179,431	103,432	33,400
Waterworks PT Wages	4316040	0	3,651	0	4,424	0	0
Waterworks CPP	4316105	3,816	7,669	2,564	7,684	2,594	1,662
Waterworks EI	4316110	1,857	3,091	1,065	2,568	1,093	723
Waterworks EHT	4316115	2,707	3,460	1,987	3,904	2,017	677
Waterworks Health Plan Contrib	4316120	5,623	10,939	4,704	10,868	5,811	1,824
Waterworks OMERS	4316125	15,860	17,443	11,781	20,324	11,971	3,817
Waterworks Insurance Contrib	4316130	1,642	3,811	1,246	3,274	1,314	545
Waterworks WSIB	4316135	1,486	2,524	1,090	2,865	1,158	508
Waterworks Misc Benefits	4316199	1,655	0	1,650	0	0	0
Waterworks Connect/Repair FT Wages	4316911	270,000	249,676	0	285,455	0	57,767
Waterworks Connect/Repair Contract Services	4316912	200,000	191,311	150,000	87,150	130,000	3,412
Waterworks Connect/Repair Materials & Supplies	4316913	50,000	62,725	75,000	44,592	65,000	5,298
Waterworks Connect/Repair Benefits	4316914	0	78,210	0	81,227	0	16,915
Waterworks Connect/Repair Rent Non-Owned Equip	4316915	1,500	0	1,000	0	1,000	0
Waterworks Connect/Repair Rent Own Equip	4316916	60,000	60,543	60,000	67,916	65,000	10,316
Waterworks Connect/Repair Utilities	4316918	40,000	46,227	42,000	42,266	45,000	0
Waterworks In-House Asphalt Repair Mat & Supp	4316933	0	0	0	26,930	0	0
Waterworks Meters FT Wages	4316941	35,000	15,746	0	49,696	0	7,751
Waterworks Meters Materials & Supplies	4316943	11,000	20,170	18,000	23,936	25,000	18,352
Waterworks Meters Benefits	4316944	0	3,494	0	15,919	0	2,257
Waterworks Meters Rent Own Equip	4316946	5,000	9,388	0	14,470	0	1,998
Waterworks WAC FT Wages	4316961	0	3,674	0	3,235	0	0
Waterworks WAC Benefits	4316964	0	982	0	896	0	0
Waterworks WAC Utilities	4316968	0	4,314	0	0	0	0
Waterworks Summer Service FT Wages	4316981	11,000	18,570	0	17,430	20,000	0
Waterworks Summer Service Materials & Supplies	4316983	7,000	2,765	4,000	1,988	5,000	1,466
Waterworks Summer Service Benefits	4316984	0	5,133	0	3,758	0	0
Waterworks Summer Service Rent Own Equip	4316986	2,500	4,660	2,500	4,507	3,500	0
Waterworks Fire Hydrants FT Wages	4316991	18,000	34,224	0	14,288	10,000	7,633
Waterworks Fire Hydrants Materials & Supplies	4316993	20,000	15,594	20,000	3,658	20,000	299
Waterworks Fire Hydrants Benefits	4316994	0	11,893	0	3,904	0	2,161
Waterworks Fire Hydrants Rent Own Equip	4316996	3,000	8,285	5,000	4,121	4,000	1,655
Waterworks Fire Hydrants Hydrant Rent	4316999	(68,375)	(68,375)	(68,375)	(68,375)	(68,375)	0



# City of Kenora - Department Budget Request

## 431 - Waterworks

	Account	2016		2017		2018	
		Budget	Actual	Budget	Actual	Budget	Actual
Waterworks Admin	4317020	106,593	106,593	110,220	110,220	116,347	0
Waterworks Alloc Bill & Collect	4317021	123,516	114,121	146,207	146,207	203,718	0
Waterworks-General-Advertising	4317040	0	738	0	866	0	0
Waterworks Meter Reading	4317046	3,000	0	2,000	133	1,500	17
Waterworks Alloc Garage	4317047	92,808	92,808	84,571	84,571	86,594	0
Waterworks Bad Debt	4317065	9,000	(15,682)	8,500	(10,754)	0	(278)
Waterworks Contract Services	4317110	6,000	5,423	3,000	2,086	3,000	0
Waterworks Insurance	4317250	21,649	22,287	22,457	19,183	9,165	4,515
Waterworks Interest & Bank	4317260	0	261	500	222	0	193
Waterworks-Debt Principal	4317264	0	78,590	0	0	0	0
Waterworks - Debt Interest	4317265	0	12,517	10,160	7,620	7,731	0
Waterworks-Legal	4317300	0	0	0	9,896	0	0
Waterworks Materials & Supplies	4317400	20,000	21,890	20,000	15,177	22,400	19
Waterworks Building Rent	4317680	15,735	13,613	26,986	14,257	20,899	0
Waterworks Rent Own Equip	4317700	70,000	56,419	60,000	50,229	50,000	8,662
Waterworks Taxes & Licenses	4317820	38,757	37,184	37,209	38,860	39,249	0
Waterworks Utilities	4317840	18,000	29,529	23,000	19,790	20,000	1,551
Waterworks Training	4317850	25,000	22,735	28,000	24,862	30,000	476
Waterworks Work Orders FT Wages	4317931	25,000	22,382	0	23,297	0	5,008
Waterworks Work Orders Materials & Supplies	4317933	0	1,088	1,500	328	0	0
Waterworks Work Orders Benefits	4317934	0	9,122	0	8,698	0	1,944
Waterworks Work Orders Rent Own Equip	4317936	30,000	24,876	25,000	22,761	0	5,306
Waterworks Interest	4319920	0	0	0	0	0	0
		<b>1,508,075</b>	<b>1,651,657</b>	<b>1,713,477</b>	<b>1,552,817</b>	<b>1,643,068</b>	<b>207,849</b>
<b>Net Total</b>		<b>2,444,441</b>	<b>2,318,726</b>	<b>2,559,408</b>	<b>2,757,294</b>	<b>3,031,609</b>	<b>540,250</b>

# City of Kenora - Department Budget Request

## 432 - General Water Standpipe/Booster Stations

	Account	2016		2017		2018	
		Budget	Actual	Budget	Actual	Budget	Actual
<b>Revenues</b>							
Standpipe & Booster Capital Approp fr Reserve Fund	4320257	0	13,609	0	0	0	0
		0	13,609	0	0	0	0
<b>Expenditures</b>							
Standpipe & Booster Contract Services	4327110	0	1,728	10,000	1,929	5,000	1,864
Standpipe & Booster Materials & Supplies	4327400	0	0	0	45	0	0
Standpipe & Booster Rent Own Equip	4327700	0	22	0	0	0	0
Standpipe & Booster Utilities	4327840	0	24,288	24,500	21,634	0	2,791
Standpipe & Booster-Zone 1 Tank-Materials & Supp	4329703	0	7,916	4,000	0	4,000	0
Standpipe & Booster Zone 2 Tank Materials & Suppli	4329713	10,000	5,331	10,000	50	4,000	0
Standpipe & Booster Kee Tank FT Wages	4329721	0	115	0	0	0	0
Standpipe & Booster Kee Tank Materials & Supplies	4329723	10,000	5,476	14,000	0	5,000	0
Standpipe & Booster Evergrn Boost FT Wages	4329731	0	575	0	64	0	0
Standpipe & Booster Evergrn Boost Materials & Supp	4329733	3,000	1,122	10,000	6,440	2,000	200
Standpipe &-Evergrn B- Benefits	4329734	0	216	0	0	0	0
Standpipe & Boost-Evergrn Boost-Rent Own Equip	4329736	0	44	0	0	0	0
Standpipe & Booster P Prtg Boost FT Wages	4329741	0	96	0	0	0	0
Standpipe & Booster P Prtg Boost Materials & Suppl	4329743	1,000	721	1,000	647	1,000	108
Standpipe & Booster Norm Boost Materials & Supplie	4329753	6,000	0	2,000	712	10,000	0
Standpipe & Booster Norm Boost Rent Own Equip	4329756	0	40	0	0	0	0
Standpipe & Booster Arp Rd Boost1 Materials & Supp	4329763	3,000	303	1,000	473	3,000	0
Standpipe & Booster Arp Rd Boost2 FT Wages	4329771	0	0	0	320	0	0
Standpipe & Booster Arp Rd Boost2 M&S	4329773	3,000	393	1,000	2,065	4,000	0
Standpipe & Booster Cr Rd Boost FT Wages	4329781	0	64	0	0	0	0
Standpipe & Booster Cr Rd Boost Materials & Suppli	4329783	3,000	0	2,000	159	8,000	0
Standpipe &-Cr Rd Boo- Benefits	4329784	0	28	0	0	0	0
		39,000	48,478	79,500	34,538	46,000	4,962
<b>Total</b>		<b>(39,000)</b>	<b>(34,869)</b>	<b>(79,500)</b>	<b>(34,538)</b>	<b>(46,000)</b>	<b>(4,962)</b>



# City of Kenora - Department Budget Request

## 433 - Water Treatment Plant

	Account	2016		2017		2018	
		Budget	Actual	Budget	Actual	Budget	Actual
<b>Revenues</b>							
WTP Approp fr Reserve Fund	4330257	0	60,962	0	0	0	0
		<b>0</b>	<b>60,962</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Expenditures</b>							
WTP FT Wages	4336030	276,169	285,479	280,223	305,546	289,084	52,006
WTP PT Wages	4336040	0	8,254	9,459	7,192	9,600	0
WTP CPP	4336105	11,094	10,834	11,617	10,828	11,758	2,555
WTP EI	4336110	5,179	5,287	4,653	4,545	4,825	1,126
WTP EHT	4336115	5,385	5,820	5,649	6,107	5,824	1,051
WTP Health Plan Contrib	4336120	12,355	15,958	11,769	12,485	16,222	2,139
WTP OMERS	4336125	26,408	28,703	25,895	30,544	28,658	5,529
WTP Insurance Contrib	4336130	2,958	3,073	3,207	3,411	3,454	722
WTP WSIB	4336135	2,955	3,214	3,100	3,360	3,345	604
WTP Misc Benefits	4336199	4,414	1,068	6,600	2,096	0	175
WTP Chemicals	4337068	200,000	164,559	180,000	162,888	165,000	45,212
WTP Contract Services	4337110	17,000	12,810	18,000	17,640	18,000	239
WTP Insurance	4337250	11,806	11,806	12,160	7,959	3,997	1,969
WTP Materials & Supplies	4337400	46,000	32,710	40,000	43,186	41,200	7,390
WTP Lab Test	4337480	30,000	22,999	30,000	20,729	25,000	4,845
WTP Office	4337550	0	0	0	38	0	0
WTP Rent Own Equip	4337700	100	368	1,000	724	0	432
WTP Repairs & Maintenance	4337750	20,000	8,863	20,000	16,465	15,000	2,635
WTP Subscript & Memberships	4337800	1,500	780	1,500	662	1,000	697
WTP Taxes & Licenses	4337820	120,725	115,824	108,536	110,672	110,672	0
WTP Utilities	4337840	288,000	291,138	300,000	269,438	275,000	2,530
WTP Training	4337850	8,000	7,777	10,000	9,151	10,000	211
		<b>1,090,048</b>	<b>1,037,322</b>	<b>1,083,366</b>	<b>1,045,668</b>	<b>1,037,640</b>	<b>132,066</b>
<b>Total</b>		<b>(1,090,048)</b>	<b>(976,359)</b>	<b>(1,083,366)</b>	<b>(1,045,668)</b>	<b>(1,037,640)</b>	<b>(132,066)</b>



*Capital Projections*

Appendix 3





**CITY OF KENORA - WATER & WASTEWATER OPERATIONS  
FIVE YEAR CAPITAL PROJECTIONS**

26/03/2018

	TOTAL COST				
	2018	2019	2020	2021	2022
<b>Wastewater System</b>					
Wastewater Collection Program	750,000	1,300,000	1,400,000	1,400,000	1,400,000
First Street Development	375,000				
Manhole Covers	50,000	50,000	50,000	50,000	50,000
Billing Software and setup	57,000				
Sanitary Sewer CCTV	100,000	100,000	100,000	100,000	100,000
<b>Wastewater Lift Stations</b>					
Upgrading Rabbit Lake Station	520,000				
Installation of flow meters	125,000				
Replacement of Sewer Pumps	50,000				
Installation of Control Panel	35,000				
Upgrading 100 main PS	134,000				
Renovation of Five Major Stations		300,000	400,000	400,000	
<b>Wastewater Treatment Plant</b>					
Concrete Repair Works	600,000				
Roof Renovation on 600 Building	25,000				
Replace worn out valves	25,000	25,000	25,000	25,000	25,000
Exterior doors replacement	6,000				
Lighting	75,000				
Gear Box Replacement	54,000				
Work on the by-pass system	50,000				
SCADA Upgrading		50,000			
Building Renovation		50,000		100,000	
<b>Vehicles &amp; Equipment</b>					
Tandem Truck	185,000				
Electrician Truck		41,000			
Supervisor SUV		31,000			
Pick-up			48,000		38,000
Sewer Flush Truck			225,000		
Pipe Thaw Machine				85,000	
Water Tanker					160,000
<b>Waterworks</b>					
Water Main Program	750,000	1,300,000	1,400,000	1,400,000	1,400,000
First Street Development	530,000				
Valve exercising	50,000	50,000	50,000	50,000	50,000
Watermain Flushing Program		200,000	100,000	100,000	100,000
<b>Standpipe &amp; Booster Stations</b>					
Zone 4 VFD Replacment	25,000				
Upgrading Brinkman Booster Station		100,000			
Standpipes Painting			200,000		
<b>Water Treatment Plant</b>					
Plant Generator	730,000				
Replacement of Valves	25,000	25,000	25,000	25,000	25,000
Energy Savings Lighting	50,000				
Natural Gas Retrofit	100,000	100,000			
T/O Treatment Unit		300,000			
Inspection of Intake and upgrading			100,000		
<b>TOTAL PROJECTED COSTS</b>	<b>5,476,000</b>	<b>4,022,000</b>	<b>4,123,000</b>	<b>3,735,000</b>	<b>3,348,000</b>

CITY OF KENORA - WATER & WASTEWATER OPERATIONS  
 CAPITAL & UNUSUAL SPEND BUDGET  
 2018

#	Description	Total Cost	Sources of Funding			System
			Subsidy	Recovery	Other	
<b>Wastewater System</b>						
18.411.01	Wastewater Collection Program	750,000	596,757	-	-	153,243
18.411.02	First Street Development	375,000	-	-	-	375,000
18.411.03	Manhole Covers	50,000	-	-	-	50,000
18.411.04	Billing Software and setup	57,000	-	-	-	57,000
U18.411.01	Sanitary Sewer CCTV	100,000	-	-	-	100,000
<b>Wastewater Lift Stations</b>						
18.412.01	Upgrading Rabbit Lake Station	520,000	-	-	-	520,000
18.412.02	Installation of flow meters	125,000	-	-	-	125,000
18.412.03	Replacement of Sewer Pumps	50,000	-	-	-	50,000
18.412.04	Installation of Control Panel	35,000	-	-	-	35,000
18.412.05	Upgrading 100 main PS	134,000	-	-	-	134,000
<b>Wastewater Treatment Plant</b>						
18.413.01	Concrete Repair Works	600,000	-	-	-	600,000
18.413.02	Roof Renovation on 600 Building	25,000	-	-	-	25,000
18.413.03	Replace worn out valves	25,000	-	-	-	25,000
18.413.04	Exterior doors replacement	6,000	-	-	-	6,000
18.413.05	Lighting	75,000	-	-	-	75,000
18.413.06	Gear Box Replacement	54,000	-	-	-	54,000
18.413.07	Work on the by-pass system	50,000	-	-	-	50,000
<b>W&amp;WW Vehicles &amp; Equipment</b>						
18.414.01	Tandem Truck	185,000	-	-	-	185,000
<b>Waterworks</b>						
18.431.01	Water Main Program	750,000	-	-	-	750,000
18.431.02	First Street Development	530,000	-	-	-	530,000
18.431.03	Valve exercising	50,000	-	-	-	50,000
<b>General Water Standpipe/Booster Stations</b>						
18.432.01	Zone 4 VFD Replacment	25,000	-	-	-	25,000
<b>Water Treatment Plant</b>						
18.433.01	Plant Generator	730,000	-	-	-	730,000
18.433.02	Replacement of Valves	25,000	-	-	-	25,000
18.433.03	Energy Savings Lighting	50,000	-	-	-	50,000
18.433.04	Natural Gas Retrofit	100,000	-	-	-	100,000
<b>FUNCTIONAL TOTALS</b>		<b>5,476,000</b>	<b>596,757</b>	<b>-</b>	<b>-</b>	<b>4,879,243</b>



CITY OF KENORA - WATER & WASTEWATER OPERATIONS  
 CAPITAL & UNUSUAL SPEND BUDGET  
 2019

#	Description	Total Cost	Sources of Funding			System
			Subsidy	Recovery	Other	
<b>Wastewater System</b>						
19.411.01	Wastewater Collection Program	1,300,000	-	-	-	1,300,000
19.411.02	Manhole Covers	50,000	-	-	-	50,000
U19.411.01	Sanitary Sewer CCTV	100,000	-	-	-	100,000
<b>Wastewater Lift Stations</b>						
19.412.01	Renovation of Five Major Stations	300,000	-	-	-	300,000
<b>Wastewater Treatment Plant</b>						
19.413.01	SCADA Upgrading	50,000	-	-	-	50,000
19.413.02	Building Renovation	50,000	-	-	-	50,000
19.413.03	Replace worn out valves	25,000	-	-	-	25,000
<b>W&amp;WW Vehicles &amp; Equipment</b>						
19.414.01	Electrician Truck	41,000	-	-	-	41,000
19.414.02	Supervisor SUV	31,000	-	-	-	31,000
<b>Waterworks</b>						
19.431.01	Water Main Program	1,300,000	-	-	-	1,300,000
19.431.02	Watermain Flushing Program	200,000	-	-	-	200,000
19.431.03	Valve exercising	50,000	-	-	-	50,000
<b>General Water Standpipe/Booster Stations</b>						
19.432.01	Upgrading Brinkman Booster Station	100,000	-	-	-	100,000
<b>Water Treatment Plant</b>						
19.433.01	T/O Treatment Unit	300,000	-	-	-	300,000
19.433.02	Replacement of Valves	25,000	-	-	-	25,000
19.433.03	Natural Gas retrofit	100,000	-	-	-	100,000
<b>FUNCTIONAL TOTALS</b>		<b>4,022,000</b>	-	-	-	<b>4,022,000</b>

**CITY OF KENORA - WATER & WASTEWATER OPERATIONS  
CAPITAL & UNUSUAL SPEND BUDGET  
2020**

#	Description	Total Cost	Sources of Funding			System
			Subsidy	Recovery	Other	
<b>Wastewater System</b>						
20.411.01	Wastewater Collection Program	1,400,000	-	-	-	1,400,000
20.411.02	Manhole covers	50,000	-	-	-	50,000
U20.411.01	Sanitary Sewer CCTV	100,000	-	-	-	100,000
<b>Wastewater Lift Stations</b>						
20.412.01	Upgrading other 5 pumping stations	400,000	-	-	-	400,000
<b>Wastewater Treatment Plant</b>						
20.413.01	Replacement of Valves	25,000	-	-	-	25,000
<b>W&amp;WW Vehicles &amp; Equipment</b>						
20.414.01	Pick-up	48,000	-	-	-	48,000
20.414.02	Sewer Flush Truck	225,000	-	-	-	225,000
<b>Waterworks</b>						
20.431.01	Water Main Program	1,400,000	-	-	-	1,400,000
20.431.02	Valve exercising	50,000	-	-	-	50,000
20.431.03	Watermain Flushing Program	100,000	-	-	-	100,000
<b>Water Standpipes &amp; Booster Stations</b>						
20.432.01	Standpipes Painting	200,000	-	-	-	200,000
<b>Water Treatment Plant</b>						
20.433.01	Replacement of Valves	25,000	-	-	-	25,000
20.433.02	Inspection of Intake and upgrading	100,000	-	-	-	100,000
<b>FUNCTIONAL TOTALS</b>		<b>4,123,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,123,000</b>



CITY OF KENORA - WATER & WASTEWATER OPERATIONS  
 CAPITAL & UNUSUAL SPEND BUDGET  
 2021

#	Description	Total Cost	Sources of Funding			System
			Subsidy	Recovery	Other	
<b>Wastewater System</b>						
21.411.01	Wastewater Collection Program	1,400,000	-	-	-	1,400,000
21.411.02	Manhole Covers	50,000	-	-	-	50,000
U21.411.01	Sanitary Sewer CCTV	100,000	-	-	-	100,000
<b>Wastewater Lift Stations</b>						
21.412.01	Renovation of Five Major Stations	400,000	-	-	-	400,000
<b>Wastewater Treatment Plant</b>						
21.413.01	Building Renovation	100,000	-	-	-	100,000
21.413.02	Replace worn out valves	25,000	-	-	-	25,000
<b>W&amp;WW Vehicles &amp; Equipment</b>						
21.414.01	Pipe Thaw Machine	85,000	-	-	-	85,000
<b>Waterworks</b>						
21.431.01	Water Main Program	1,400,000	-	-	-	1,400,000
21.431.02	Valve exercising	50,000	-	-	-	50,000
21.431.03	Watermain Flushing Program	100,000	-	-	-	100,000
<b>Water Treatment Plant</b>						
21.433.01	Replacement of Valves	25,000	-	-	-	25,000
<b>FUNCTIONAL TOTALS</b>		<b>3,735,000</b>	-	-	-	<b>3,735,000</b>

**CITY OF KENORA - WATER & WASTEWATER OPERATIONS  
CAPITAL & UNUSUAL SPEND BUDGET  
2022**

#	Description	Total Cost	Sources of Funding			System
			Subsidy	Recovery	Other	
<b>Wastewater System</b>						
22.411.01	Sanitary Main Program	1,400,000	-	-	-	1,400,000
22.411.02	Manhole Covers	50,000	-	-	-	50,000
U22.411.01	Sanitary Sewer CCTV	100,000	-	-	-	100,000
<b>Wastewater Treatment Plant</b>						
22.413.01	Replace worn out valves	25,000	-	-	-	25,000
<b>W&amp;WW Vehicles &amp; Equipment</b>						
22.414.01	Pickup	38,000	-	-	-	38,000
22.414.02	Water Tanker	160,000	-	-	-	160,000
<b>Waterworks</b>						
22.431.01	Water Main Program	1,400,000	-	-	-	1,400,000
22.431.02	Valve Exercizing	50,000	-	-	-	50,000
22.431.03	Watermain Flushing Program	100,000	-	-	-	100,000
<b>Water Treatment Plant</b>						
22.433.01	Replacement of valves	25,000	-	-	-	25,000
<b>FUNCTIONAL TOTALS</b>		<b>3,348,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,348,000</b>