

## WATER & SEWER FUND

The Water & Sewer Fund's activities include all aspects of establishing, operating and maintaining buildings, equipment and work related to the supply and treatment of potable water, distribution of potable water, and collection, treatment and disposal of sewage. These costs are recovered through charges to service users.

<b>Water and Sewer Fund Budget</b>							
	2014 Actual (\$000's)	2015 Budget (\$000's)	2015 Forecast (\$000's)	2016 Budget Approved (\$000's)	2017 Budget (\$000's)	2018 Budget (\$000's)	Note
<b>Revenue</b>							
Government Transfer	-	130	131	131	131	131	
User Charges							
Piped Water	6,452	6,777	6,682	6,805	7,086	7,380	(1)
Trucked Water	1,194	1,230	1,206	1,228	1,284	1,342	(1)
Other User Charges	169	177	177	185	193	200	(2)
	7,815	8,314	8,196	8,349	8,694	9,053	
Allocated to Capital	(1,464)	(1,575)	(1,090)	(778)	(778)	(778)	
	6,350	6,739	7,107	7,571	7,916	8,274	
<b>Expenditures (By Activity)</b>							
Sewage Disposal	1,972	1,775	1,820	1,849	1,886	1,932	
Water Distribution	3,450	4,278	4,225	4,364	4,387	4,406	
	5,422	6,053	6,045	6,213	6,273	6,338	
Labour & Vehicle O&M Allocation	74	242	73	74	76	77	
Amortization	4,184	4,284	4,268	5,184	5,313	5,383	
	9,680	10,579	10,385	11,471	11,662	11,798	
<b>Net Revenue (Expenditures)</b>	(3,329)	(3,839)	(3,279)	(3,900)	(3,746)	(3,523)	
<b>Interfund Transfers</b>							
(To) From General Fund	(1,172)	(1,126)	(1,126)	(1,154)	(1,183)	(1,213)	(3)
Change in Fund Balance Before Reallocation of Amortization	(4,501)	(4,965)	(4,405)	(5,054)	(4,930)	(4,736)	
Reallocation of Amortization	4,184	4,284	4,268	5,184	5,313	5,383	
<b>Change in Fund Balance</b>	(317)	(681)	(137)	130	383	647	
<b>Opening Balance</b>	(300)	(600)	(618)	(755)	(625)	(241)	
<b>Closing Balance</b>	(618)	(1,281)	(755)	(625)	(241)	406	
<b>Expenditures (By Object)</b>							
Wages & Benefits	2,163	2,113	2,171	2,075	2,128	2,177	
Other O&M	7,517	8,466	8,215	9,396	9,534	9,621	(4)
	9,680	10,579	10,385	11,471	11,662	11,798	
<b>Details of Other O&amp;M</b>							
General Services (Mostly Water Delivery & Sewage Pumpout Contracted Costs)	1,287	1,481	1,480	1,644	1,637	1,762	
Materials	361	333	333	341	348	354	
Maintenance	99	80	80	90	93	95	
Utility- Fuel	353	544	544	305	272	105	
Utility- Power	1,092	1,620	1,385	1,688	1,724	1,769	
Vehicle O&M & Fuel	140	124	124	143	149	153	
Amortization	4,184	4,284	4,268	5,184	5,313	5,383	
	7,517	8,466	8,215	9,396	9,534	9,621	

### Notes:

(1) Piped and Trucked Water - See the following schedule of water and sewer rates based on the rate increases of 3% in 2016 and 4% in 2017 and 2018 for the estimated consumption and revenue.

In 2016, Infrastructure replacement levy will increase from \$10.5 to \$12 per equivalent residential unit (ERU) per month. This levy is used to finance W&S infrastructures in Capital Fund.

(2) Other user charges are mainly from utilities penalties.

(3) The Water and Sewer Fund pays an administration fee to the General Fund.

(4) New water treatment plant in 2015

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Water & Sewer Fund Revenue				2016
		Monthly Charge (\$)	Average Monthly # of Accts.	Budgeted Revenue (\$)
<b>Piped Services:</b>				
	Equivalent residential unit charge	7.95	11,467	1,094,172
	Demand charge based on water meter size:			
	5/8"	9.87	4,448	526,682
	3/4"	14.79	33	5,857
	1"	24.65	64	18,930
	1 1/2"	54.22	53	34,483
	2"	93.65	78	87,654
	3"	207.00	11	27,324
	4"	364.73	4	17,507
	6"	837.89	1	10,055
	8"	1,478.64	1	17,744
	Consumption:	1,377,000 cubic metre		
		\$3.61/cubic metre		4,964,085
				<b>6,804,493</b>
	Others			
	Water Meters Fee 100% Cost Recovery			
	Connect/ Disconnect Permit @\$43.5			
			Annual # of Account/ Consumption (Litres)	2016 Budgeted Revenue (\$)
<b>Trucked Services</b>				
	Residential access charge - accounts	\$57.38	5,711	327,705
	Residential consumption <3,300 gallons/15,000 Litres	\$16.40	40,400,000	145,596
	Residential consumption >3,300 gallons/15,000 Litres	\$93.48	1,200,000	24,655
	Commercial access charge - accounts	\$163.85	2,990	489,919
	Commercial consumption <3,300 gallons/15,000 Litres	\$16.40	32,500,000	117,126
	Commercial consumption >3,300 gallons/15,000 Litres	\$93.48	2,700,000	55,473
				<b>1,160,473</b>
	Others			
	Bulk Sales @ \$21.24/ 1,000 gallon (4,550 Litres)			67,980
	New Utility Account Setup/ Registration Fee			
	Paper Billing	36.0	430	15,480
	Paperless Billing	25.5	150	3,825
				<b>19,305</b>
<b>Infrastructure Replacement Levy (to finance Water &amp; Sewer Projects)</b>				
Charge is Per Equivalent Residential Unit (ERU)				
		Monthly Charge (\$)	Average Monthly # of ERU	2016 Budgeted Revenue (\$)
		12.00	12,315	1,773,300



## WATER & SEWER FUND

Sewage Disposal Budget	2014 Actual (\$000's)	2015 Budget (\$000's)	2015 Forecast (\$000's)	2016 Budget Approved (\$000's)	2017 Budget (\$000's)	2018 Budget (\$000's)
<b>Liftstations/Effluent Operations</b>						
Operations & Maintenance	426	440	440	460	472	479
Allocated Vehicle O&M & Fuel	10	25	8	10	10	10
Allocated Labour	245	157	196	185	182	186
	681	622	644	655	664	675
<b>Trucked Sewage</b>						
General Services	806	855	855	872	898	925
Allocated Vehicle O&M & Fuel	-	-	-	-	-	-
Allocated Labour	-	1	-	-	-	-
	806	856	855	872	898	925
<b>Sewage System Maintenance</b>						
Operations & Maintenance	198	109	109	112	115	117
Allocated Vehicle O&M & Fuel	63	44	49	56	58	60
Allocated Labour	225	143	163	154	151	155
	485	296	321	322	325	332
<b>Total Sewage Disposal</b>						
Direct Costs	1,430	1,404	1,404	1,444	1,485	1,521
Allocated Vehicle O&M & Fuel	73	70	57	66	68	70
Allocated Labour	470	301	359	338	333	341
	1,972	1,775	1,820	1,849	1,886	1,932

## WATER & SEWER FUND

<b>Water Distribution Budget</b>	2014 Actual (\$000's)	2015 Budget (\$000's)	2015 Forecast (\$000's)	2016 Budget Approved (\$000's)	2017 Budget (\$000's)	2018 Budget (\$000's)
<b>Pumphouses &amp; Water Treatment Plant</b>						
Operations & Maintenance	1,231	2,010	1,775	1,921	1,944	1,909
	1,231	2,010	1,775	1,921	1,944	1,909
Allocated Vehicle O&M & Fuel	1	5	4	5	5	5
Allocated Labour	852	917	835	788	776	794
	2,084	2,932	2,614	2,714	2,725	2,708
<b>Trucked Water Delivery</b>						
General Services	714	776	776	838	855	872
<b>Water Line/Hydrant Maintenance</b>						
Operations & Maintenance	79	74	74	84	86	88
Allocated Vehicle O&M & Fuel	31	42	41	47	49	50
Allocated Labour	398	351	586	553	545	557
	508	467	701	684	680	695
<b>Water Meter Services</b>						
Operations & Maintenance	8	12	12	8	8	8
Allocated Vehicle O&M & Fuel	35	7	22	26	27	28
Allocated Labour	102	84	100	95	93	95
	144	103	134	128	128	131
<b>Total Water Distribution</b>						
Direct Costs	2,032	2,871	2,636	2,851	2,893	2,877
Allocated Vehicle O&M & Fuel	67	54	67	78	80	83
Allocated Labour	1,351	1,352	1,522	1,435	1,414	1,445
	3,450	4,278	4,225	4,364	4,387	4,406



## WATER & SEWER FUND

Water and Sewer Performance Measures	Projected 2014	Actual 2014	Projected 2015	Forecasted 2016	Forecasted 2017	Forecasted 2018	Notes
<b>Workload Indicators</b>							
No. of metres of replaced water and sewer mains	5,796	4,910	728	334	281	410	(1)
No. of metres of new water and sewer mains	-	1,013	2,177	912	-	-	
No. of fire hydrants	342	327	338	340	340	340	(2)
No. of fire hydrants flushed	0	150	304	300	300	300	
No. of bleeders on City main lines	3	3	-	-	-	-	
No. of water meters replaced:							
Public Works (in-house)	30	19	21	20	20	20	
Contracted out	80	0	247	10	10	10	
Total water meters replaced	110	19	268	30	30	30	(3)
No. of new water and sewer (W&S) services privately installed:							
Niven Lake	-	4	12	2	2	2	
Northlands	140	248	-	-	-	-	
Block 501	30	31	101	40	-	-	
No. of services replaced under Capital	-	-	20	-	-	-	
No. of services repaired/replaced under Service Connection Failure Assistance Fund (SCFA):							
Public Works (in-house)	85	99	65	50	50	50	
Contracted out	35	39	15	10	10	10	
Total	120	138	80	60	60	60	
No. of services repaired/replaced by City (Capital and O&M)	120	138	100	60	60	60	
No. of single line bleeders eliminated	10	6	-	-	-	-	
No. of Aquaflow units eliminated	3	2	-	-	-	-	
<b>Notes:</b>							
(1) Values for 2014, 2015 and 2016 include mains installed in Northlands and Block 501. All mains for Northlands installed in 2014.							
(2) In this budget cycle all fire hydrants within Northland Trailer Park will become part of the City's PH #4 system, thus current identification system requires updating. Values include new hydrants in Block 501.							
(3) Replacement of meters will be ongoing, especially now that specifications have been changed due to purchase of automated reading equipment.							

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