

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.

Water and Sewer Fund Budget							
	2015 Actual (\$000's)	2016 Budget (\$000's)	2016 Forecast (\$000's)	2017 Budget Approved (\$000's)	2018 Budget (\$000's)	2019 Budget (\$000's)	Note
Revenue							
Government Transfer	131	131	224	224	224	224	
User Charges							
Piped Water	6,688	6,805	6,854	7,124	7,429	7,747	(1)
Trucked Water	1,202	1,228	1,228	1,271	1,326	1,384	(1)
Other User Charges	126	185	98	106	110	114	(2)
	8,147	8,349	8,405	8,724	9,089	9,469	
Allocated to Capital	(1,523)	(778)	(778)	(778)	(778)	(1,000)	
	6,624	7,571	7,627	7,946	8,311	8,469	
Expenditures (By Activity)							
Sewage Disposal	1,799	1,849	1,883	1,934	1,981	2,044	
Water Distribution	4,113	4,364	4,337	4,768	4,951	5,109	
	5,912	6,213	6,221	6,702	6,932	7,153	
Labour & Vehicle O&M Allocation	103	74	74	76	77	79	
Amortization	4,258	5,184	5,395	5,425	5,439	5,841	
	10,273	11,471	11,690	12,203	12,448	13,073	
Net Revenue (Expenditures)	(3,648)	(3,900)	(4,063)	(4,257)	(4,137)	(4,604)	
Interfund Transfers							
(To) From General Fund	(1,126)	(1,154)	(1,154)	(1,183)	(1,213)	(1,243)	(3)
Change in Fund Balance							
Before Reallocation of Expenses Related to Investment in Tangible Capital Assets	(4,774)	(5,054)	(5,217)	(5,440)	(5,350)	(5,847)	
Reallocation of Expenses Related to Investment in Tangible Capital Assets	4,258	5,184	5,395	5,425	5,439	5,841	
Change in Fund Balance	(516)	130	178	(15)	89	(6)	
Opening Balance	(618)	(755)	(1,134)	(956)	(971)	(882)	
Closing Balance	(1,134)	(625)	(956)	(971)	(882)	(888)	
Expenditures (By Object)							
Wages & Benefits	2,180	2,075	2,165	2,201	2,262	2,315	(4)
Other O&M	8,093	9,396	9,525	10,002	10,185	10,757	
	10,273	11,471	11,690	12,203	12,448	13,073	
Details of Other O&M							
General Services	1,504	1,549	1,557	1,700	1,726	1,769	(5)
Materials	406	343	343	371	379	386	
Maintenance	112	90	90	93	95	97	
Utility- Fuel	290	399	441	484	551	586	
Utility- Power	1,410	1,688	1,569	1,808	1,870	1,945	
Vehicle O&M & Fuel	114	143	131	121	126	133	
Amortization	4,258	5,184	5,395	5,425	5,439	5,841	
	8,093	9,396	9,525	10,002	10,185	10,757	

Notes:

- (1) Piped and Trucked Water - See the following schedule of water and sewer rates based on the rate increases of 4% each year from 2017 to 2019 for the estimated consumption and revenue.
- (2) Other user charges are mainly from utilities penalties.
- (3) The Water and Sewer Fund pays an administration fee to the General Fund.
- (4) One new PY for Administrative Assistant starting from 2017 onwards.
- (5) Mostly Water Delivery & Sewage Pumpout Contracted Costs

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Water & Sewer Fund Revenue				
		Monthly Charge	Average Monthly	2017 Budgeted Revenue
		(\$)	# of Accts.	(\$)
Piped Services:				
Equivalent residential unit charge		8.27	11,544	1,145,385
Demand charge based on water meter size:	5/8"	10.26	4,488	552,785
	3/4"	15.38	89	16,428
	1"	25.64	63	19,381
	1 1/2"	56.39	60	40,607
	2"	97.40	79	92,331
	3"	215.28	11	28,417
	4"	379.32	4	18,207
	6"	871.41	1	10,457
	8"	1,537.79	1	18,453
Consumption:		1,380,000 cubic metre		
		\$3.75/cubic metre		5,181,072
				<u>7,123,524</u>
Others				
Water Meters Fee 100% Cost Recovery				
Connect/ Disconnect Permit @\$52				
			Annual # of Account/ Consumption	2017 Budgeted Revenue
			(Litres)	(\$)
Trucked Services				
Residential access charge - accounts		\$59.68	5,943	354,650
Residential consumption <3,300 gallons/15,000 Litres		\$17.06	40,400,000	151,442
Residential consumption >3,300 gallons/15,000 Litres		\$97.22	1,100,000	23,504
Commercial access charge - accounts		\$170.41	2,950	502,721
Commercial consumption <3,300 gallons/15,000 Litres		\$17.06	32,500,000	121,829
Commercial consumption >3,300 gallons/15,000 Litres		\$97.22	2,000,000	42,734
				<u>1,196,879</u>
Others				
Bulk Sales @ \$22.09/ 1,000 gallon (4,550 Litres)				74,000
New Utility Account Setup/ Registration Fee				
Paper Billing		37.44	350	13,104
Paperless Billing		26.52	330	8,752
				<u>21,856</u>
Infrastructure Replacement Levy (to finance Water & Sewer Projects)				
Charge is Per Equivalent Residential Unit (ERU)				
		Monthly Charge	Average Monthly	2017 Budgeted Revenue
		(\$)	# of ERU	(\$)
		12.00	12,358	1,779,600



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Sewage Disposal Budget	2015 Actual (\$000's)	2016 Budget (\$000's)	2016 Forecast (\$000's)	2017 Budget Approved (\$000's)	2018 Budget (\$000's)	2019 Budget (\$000's)
Liftstations/Effluent Operations						
Operations & Maintenance	420	460	464	458	472	492
Allocated Vehicle O&M & Fuel	6	10	7	6	6	7
Allocated Labour	212	185	199	194	200	205
	638	655	670	658	678	704
Trucked Sewage						
General Services	836	872	907	973	992	1,021
	836	872	907	973	992	1,021
Sewage System Maintenance						
Operations & Maintenance	127	112	112	115	118	120
Allocated Vehicle O&M & Fuel	38	56	43	40	41	44
Allocated Labour	161	154	151	148	152	155
	326	322	307	303	311	319
Total Sewage Disposal						
Direct Costs	1,383	1,444	1,483	1,546	1,581	1,633
Allocated Vehicle O&M & Fuel	43	66	50	46	48	51
Allocated Labour	373	338	350	342	352	360
	1,799	1,849	1,883	1,934	1,981	2,044

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Water Distribution Budget	2015 Actual (\$000's)	2016 Budget (\$000's)	2016 Forecast (\$000's)	2017 Budget Approved (\$000's)	2018 Budget (\$000's)	2019 Budget (\$000's)
Pumphouses & Water Treatment Plant						
Operations & Maintenance	1,615	1,921	1,841	2,138	2,259	2,355
	1,615	1,921	1,841	2,138	2,259	2,355
Allocated Vehicle O&M & Fuel	13	5	15	14	15	15
Allocated Labour	859	788	808	789	811	830
	2,487	2,714	2,664	2,941	3,085	3,200
Trucked Water Delivery						
General Services	739	838	811	964	978	997
Water Line/Hydrant Maintenance						
Operations & Maintenance	69	84	84	92	94	97
Allocated Vehicle O&M & Fuel	37	47	42	39	41	43
Allocated Labour	586	553	551	538	553	566
	692	684	677	669	688	706
Water Meter Services						
Operations & Maintenance	12	8	8	23	24	24
Allocated Vehicle O&M & Fuel	21	26	24	22	23	24
Allocated Labour	164	95	154	150	155	158
	197	128	186	195	202	206
Total Water Distribution						
Direct Costs	2,435	2,851	2,744	3,216	3,354	3,473
Allocated Vehicle O&M & Fuel	70	78	81	75	78	82
Allocated Labour	1,608	1,435	1,513	1,477	1,519	1,554
	4,113	4,364	4,337	4,768	4,951	5,109



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Water and Sewer Performance Measures	Projected 2015	Actual 2015	Projected 2016	Forecasted 2017	Forecasted 2018	Forecasted 2019	Notes
Workload Indicators							
No. of metres of replaced water and sewer mains	728	728	583	2130	1110	400	(1)
No. of metres of new water and sewer mains	2,177	2,177	282	630	-	-	(2)
No. of fire hydrants	338	338	340	340	340	340	(3)
No. of fire hydrants flushed	304	308	320	300	300	300	
No. of bleeders on City main lines	-	-	1	-	-	-	
No. of water meters replaced:							
Public Works (in-house)	21	23	65	40	40	40	
Contracted out	247	247	5	5	5	5	
Total water meters replaced	268	270	105	45	45	45	(4)
No. of new water and sewer (W&S) services privately installed:							
Niven Lake	12	10	4	2	2	-	
Block 501	101	101	0	40	-	-	
No. of services replaced under Capital	20	40	4	100	30	-	(5)
No. of services repaired/replaced under Service Connection Failure Assistance Fund (SCFA):							
Public Works (in-house)	65	60	75	60	60	60	
Contracted out	15	10	12	10	10	10	
Total	80	70	87	70	70	70	
No. of services repaired/replaced by City (Capital and O&M)	100	110	91	170	100	70	
No. of single line bleeders eliminated	-	3	2	-	-	-	
Notes:							
(1) Values for 2017 and 2018 include mains replaced with funding from Clean Water & Wastewater Fund							
(2) Values for 2015 and 2017 include mains installed in Block 501. Value for 2016 is for mains installed in Hordal-Bagon development							
(3) 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							
(4) Replacement of meters will be ongoing, especially now that specifications have been changed due to purchase of automated reading equipment							
(5) Service replacement estimates based on accelerated upgrades due to funding received							

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