

BUFFALO POUND WATER						
2019 RATES						
2019 RATES APPROVED SEPTEMBER 26, 2018						
RATES	2018	2019	2020	2021	2022	2023
City Water Rate per megalitre	\$ 345.00	\$ 355.00	\$ 370.00	\$ 385.00	\$ 400.00	\$ 415.00
	13.49%	2.90%	4.23%	4.05%	3.90%	3.75%
City Capital Water Rate per megalitre	\$ 188.00	\$ 188.00	\$ 215.00	\$ 287.00	\$ 325.00	\$ 350.00
	51.61%	0.00%	14.36%	33.49%	13.24%	7.69%
Total City Rate per megalitre	\$ 533.00	\$ 543.00	\$ 585.00	\$ 672.00	\$ 725.00	\$ 765.00
	54.49%	1.88%	7.73%	14.87%	7.89%	5.52%
Electrical Rate per kilowatt-hour	\$ 0.10766	\$ 0.11089	\$ 0.12153	\$ 0.13319	\$ 0.14596	\$ 0.16323
	11.83%	3.00%	9.59%	9.59%	9.59%	11.83%
Sask Water - Water Rate per megalitre	\$ 345.00	\$ 355.00	\$ 370.00	\$ 423.50	\$ 440.00	\$ 456.50
	13.49%	2.90%	4.23%	14.46%	3.90%	3.75%
Sask Water - Capital Rate per megalitre	\$ 249.50	\$ 273.44	\$ 306.00	\$ 315.70	\$ 357.50	\$ 385.00
	6.97%	9.60%	11.91%	3.17%	13.24%	7.69%
Sask Water Electrical Rate per kilowatt-hour	\$ 0.11843	\$ 0.12198	\$ 0.13368	\$ 0.14651	\$ 0.16056	\$ 0.17955
	11.83%	3.00%	9.59%	9.59%	9.59%	11.83%
Provincial Park Water Rate per megalitre	\$ 435.01	\$ 447.62	\$ 466.53	\$ 485.45	\$ 504.36	\$ 523.27
	13.49%	2.90%	4.23%	4.05%	3.90%	3.75%
Note: No change to rates or structure for SaskWater or the Provincial Park until new agreements are executed. After which time a 10% ROR will be used and the capital rate included. However, the capital charge currently applied to Sask Water as per the current agreement will be maintained until the agreement is amended but is separated from the operations revenue. A new agreement should be negotiated in 2019 for SaskWater. The Water Rates assume no growth outside of the 2 year lagged water consumption forecast, any actual growth will reduce the future water rates.						

BUFFALO POUND WATER						
2019 BUDGET - SUMMARY OF RESERVES (THOUSANDS OF \$)						
2019 BUDGET APPROVED SEPTEMBER 26, 2018						
Operating	2018*	2019	2020	2021	2022	2023
	FORECAST	BUDGET	BUDGET	BUDGET	BUDGET	BUDGET
Expenses	11,375.0	12,542.4	13,305.1	13,859.8	14,439.0	15,091.8
Revenues	13,098.5	12,828.3	13,339.4	13,944.8	14,502.1	15,101.7
Net Revenue (Expense) for the Year	1,723.5	285.9	34.3	85.0	63.1	9.9
Balance Beginning for the Year	1,802.3	3,525.9	3,811.7	3,846.0	3,931.0	3,994.1
Balance End of Year	3,525.9	3,811.7	3,846.0	3,931.0	3,994.1	4,004.0
Capital	2018*	2019	2020	2021	2022	2023
	FORECAST	BUDGET	BUDGET	BUDGET	BUDGET	BUDGET
Expenses	7,585.5	10,077.4	33,348.9	55,004.4	57,995.0	29,153.0
Proceeds from PTIC-NRP Grant	0.0	12,532.0	6,140.0	1,910.0	0.0	0.0
Proceeds from Loans	0.0	0.0	30,000.0	50,000.0	50,000.0	0.0
Revenues	7,689.4	6,594.2	7,534.0	10,023.7	11,345.6	12,215.3
Net Revenue (Expense) for the Year	103.9	9,048.8	10,325.2	6,929.3	3,350.6	-16,937.8
Balance Beginning for the Year	50,428.9	12,414.4	21,463.2	31,788.4	38,717.6	42,068.2
Balance End of Year	12,414.4	21,463.2	31,788.4	38,717.6	42,068.2	25,130.4

BUFFALO POUND WATER
2019 OPERATING PLAN - SUMMARY OF EXPENDITURES (THOUSANDS OF \$)
2019 OPERATING BUDGET APPROVED SEPTEMBER 26, 2018

	OBJECT NO.	2018 Forecast	2019 Budget	2020 Budget	2021 Budget	2022 Budget	2023 Budget	Comments
UTILITIES								
Electricity	65501	1,800.0	1,900.0	2,112.4	2,315.2	2,537.4	2,781.0	3.0% SPC Rate Increase + 6.4%/yr for carbon tax + UV + new electrical facilities from 2019-2023
Natural Gas	65505	250.0	275.0	327.8	376.9	433.4	498.5	Fixed contract to Nov 2018, adjusted for new Buildings in 2019 & 2020 + \$0.50/GJ/year for carbon tax from 2018-2023 ~+10%
		2,050.0	2,175.0	2,440.2	2,692.1	2,970.9	3,279.5	
CHEMICALS								
Aluminum Sulphate & CPAC	65201	1,700.0	1,850.0	1,942.5	2,039.6	2,141.6	2,248.7	
PAC + Other Chemicals	65211	0.0	50.0	50.0	50.0	50.0	50.0	
Chlorine	65212	180.0	180.0	189.0	198.5	208.4	218.8	
Polymer	65248	35.0	40.0	41.2	42.4	43.7	45.0	
Carbon Makeup (GAC)	65269	314.0	670.0	690.1	710.8	732.1	754.1	Replace 2 contactors/year commencing in 2019 until all have been refreshed
		2,229.0	2,790.0	2,912.8	3,041.3	3,175.8	3,316.6	
MAINTENANCE								
Maintenance Equip (Vehicles)	64506	25.0	35.0	36.1	37.1	38.2	39.4	
Filtration Plant Building	64519	75.0	120.0	123.6	127.3	131.1	135.1	
Lake Pumping Station Building	64520	16.5	15.0	15.5	15.9	16.4	16.9	
Regeneration Building	64522	14.0	10.0	10.3	10.6	10.9	11.3	
Filtration Plant Equipment	64523	320.0	335.0	345.1	355.4	366.1	377.0	Backup Generators at Main Plant in 2019
Lake Pump Station Equipment	64524	55.0	70.0	82.4	95.2	108.3	111.6	Account for Backup Generators at LPS in 2019
Regeneration Plant Equipment	64525	155.0	130.0	133.9	137.9	142.1	146.3	
Capitalized Maintenance	64612	450.0	625.0	742.0	687.0	620.0	600.0	
Wastewater System	64526	1,100.0	1,000.0	1,030.0	1,060.9	1,092.7	1,125.5	City of Moose Jaw is now charging for tipping fees - Plant Renewal May Assist in Reducing this cost for Landfill - 2 Hauls and 2 Lagoons per year
Pipeline	64527	20.0	20.0	20.6	21.2	21.9	22.5	
Computer/Electronic Comms System	64528	60.0	70.0	72.1	74.3	76.5	78.8	
High Power Electrical	64529	20.0	40.0	41.2	42.4	43.7	45.0	
		2,310.5	2,470.0	2,652.7	2,665.3	2,667.9	2,709.4	
LABORATORY								
Research	64221	40.0	200.0	206.0	212.2	218.5	225.1	Allow for in-kind research, partnership with universities and targeted research with 3rd parties
Contract Analytical	64222	12.0	10.0	10.3	10.6	10.9	11.3	
Lab Equipment Maintenance	64530	45.0	46.0	47.4	48.8	50.3	51.8	
Lab Supplies	65236	85.0	85.0	87.6	90.2	92.9	95.7	
Lab Accreditation	65277	14.5	14.0	14.4	14.9	15.3	15.8	
		196.5	355.0	365.7	376.6	387.9	399.6	
EMPLOYEE WAGES & BENEFITS								
Salaries & Wages (Perm)	61110	3,030.0	3,200.0	3,336.0	3,436.0	3,539.1	3,638.0	
Supp-Mat, Parental, Adopt Leave	61111	0.0	0.0	0.0	0.0	0.0	0.0	
Overtime Pay (Perm)	61120	140.0	145.0	149.4	153.8	158.4	163.2	
Time Off In Lieu Banked - Permanent	61125	1.0	1.0	1.0	1.1	1.1	1.1	
Premium Pay	61140	40.0	40.0	41.2	42.4	43.7	45.0	
Salaries & Wages (Casual)	61210	0.0	0.0	0.0	0.0	0.0	0.0	
Overtime Pay (Casual)	61220	0.0	0.0	0.0	0.0	0.0	0.0	
Employee Benefits (Perm)	62120	580.0	595.0	612.9	631.2	650.2	669.7	
Employee Benefits (Casual)	62130	0.0	0.0	0.0	0.0	0.0	0.0	
Health Spending - OCE	62174	28.5	30.0	30.0	33.0	33.0	34.0	
Telephone Allowance	61537	1.5	2.0	2.1	2.1	2.1	2.1	
Worker's Compensation Premiums	62180	35.0	35.0	36.1	37.1	38.2	39.4	
		3,856.0	4,048.0	4,208.5	4,336.8	4,465.8	4,592.5	
EMPLOYEE RELATED PAYMENT EXPENSES								
Car Allowance - Taxable	61511	3.9	3.9	3.9	3.9	3.9	3.9	
Car Allowance - Non Taxable	61512	7.0	7.0	7.2	7.4	7.6	7.9	

BUFFALO POUND WATER
2019 OPERATING PLAN - SUMMARY OF EXPENDITURES (THOUSANDS OF \$)
2019 OPERATING BUDGET APPROVED SEPTEMBER 26, 2018

	OBJECT NO.	2018 Forecast	2019 Budget	2020 Budget	2021 Budget	2022 Budget	2023 Budget	Comments
Boot Allowance	61513	5.0	5.5	5.7	5.8	6.0	6.2	
Professional and Membership Dues	61561	22.0	22.5	23.2	23.9	24.6	25.3	
Employee Awards & Gifts	61564	2.5	2.5	2.6	2.7	2.7	2.8	
		40.4	41.4	42.5	43.7	44.9	46.1	
TRAINING & TRAVEL EXPENSES								
Business Travel	64001	24.0	25.0	25.8	26.5	27.3	28.1	
Employee Education & Training	64210	26.0	25.0	25.8	26.5	27.3	28.1	
		50.0	50.0	51.5	53.0	54.6	56.3	
OFFICE & ADMINISTRATION EXPENSES								
Telephone	64104	25.0	20.0	20.6	21.2	21.9	22.5	
Courier & Freight Charges	64109	0.1	1.0	1.0	1.1	1.1	1.1	
Receptions, Meetings & Food	64115	9.0	10.0	10.3	10.6	10.9	11.3	
Insurance	64117	91.4	90.0	92.7	95.5	98.3	101.3	
Software, Maintenance Charges	64120	10.0	15.0	15.5	15.9	16.4	16.9	
Board Member Expenses	64124	150.0	150.0	154.5	159.1	163.9	168.8	CIC T2 \$14k/Member + \$20k/chair plus \$650/committee meeting + Trg + Travel + Retreat + Portal
Board Advisory Services/Initiatives	64125	70.0	70.0	72.1	74.3	76.5	78.8	Policy, legal reviews, Board initiatives
Advertising & Media Related Services	64202	5.0	10.0	10.3	10.6	10.9	11.3	
Financial Audit Services	64205	40.0	20.0	20.6	21.2	21.9	22.5	
CoR Administration	64220	70.7	70.0	72.1	74.3	76.5	78.8	
Contracted Services (Legal/HR)	64232	50.0	75.0	77.3	79.6	82.0	84.4	Increase usage with Incorporation
Office Supplies	65112	20.0	25.0	25.8	26.5	27.3	28.1	
		541.2	556.0	572.7	589.9	607.6	625.8	
MISCELLANEOUS								
Contingency		50.0	0.0	0.0	0.0	0.0	0.0	
Other Purchased Services	64601	5.0	5.0	5.2	5.3	5.5	5.6	
General Equipment	65222	1.0	1.0	1.0	1.1	1.1	1.1	
First Aid & Safety Supplies & Medical Evals	65226	25.0	8.0	8.2	8.5	8.7	9.0	Increase first aid supplies with Safety Management System
Vehicle License & Registration	65238	2.8	3.0	3.1	3.2	3.3	3.4	
Fuel & Gas	65228	15.0	30.0	30.9	32.4	34.1	35.8	Fuel increase due to generators commencing in 2019
General Plant Supplies	65230	2.5	10.0	10.3	10.6	10.9	11.3	
		101.4	57.0	58.7	61.1	63.6	66.2	
Deficit Recovery/(Surplus)		0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL EXPENDITURES		11,375.0	12,542.4	13,305.1	13,859.8	14,439.0	15,091.8	
TOTAL OPERATING REVENUES		13,098.5	12,828.3	13,339.4	13,944.8	14,502.1	15,101.7	
NET SURPLUS (DEFICIT) FOR THE YEAR			285.9	34.3	85.0	63.1	9.9	
* - Based on August 31, 2018 Actuals Forecasted to YE 20-Sep-18								

BUFFALO POUND WATER							
2019 OPERATING REVENUE BUDGET - SUMMARY OF REVENUES (THOUSANDS OF \$)							
2019 OPERATING BUDGET APPROVED SEPTEMBER 26, 2018							
OPERATING REVENUES (THOUSANDS OF \$)							
DESCRIPTION	REVENUE SOURCE	2018* FORECAST	2019 BUDGET	2020 BUDGET	2021 BUDGET	2022 BUDGET	2023 BUDGET
General Water Charge - Regina	55401	10,570.0	10,366.0	10,804.0	11,242.0	11,680.0	12,118.0
General Water Charge - Moose Jaw	55402	1,910.0	1,899.3	1,979.5	2,059.8	2,140.0	2,220.3
Power Charge	55403	530.0	477.7	467.4	543.0	578.5	656.3
Plant Water Sales	55405	7.0	4.0	4.0	4.0	4.0	4.0
Sask Water	55407	71.5	76.3	79.6	91.1	94.6	98.1
Miscellaneous Revenue	54905	10.0	5.0	5.0	5.0	5.0	5.0
TOTAL		13,098.5	12,828.3	13,339.4	13,944.8	14,502.1	15,101.7

* - Based on August 31, 2018 Actuals Forecasted to YE

BUFFALO POUND WATER
2019-2028 CAPITAL PLAN - SUMMARY OF PROPOSED PROJECTS FUNDED BY CAPITAL WATER RATE (THOUSANDS OF \$)
2019 CAPITAL BUDGET APPROVED SEPTEMBER 26, 2018

Project	Priority	Project Code	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total
Future Capitalized Maintenance (Annual)	B	Various	-	-	-	925.0	838.0	1,172.0	1,207.0	943.0	1,280.0	1,318.4	7,683.4
Computerized Maintenance Management System	B	W0123	250.0	-	-	-	-	-	-	-	-	-	250.0
Lab Equipment Upgrade	C	W0127	-	60.0	125.0	80.0	300.0	-	-	300.0	-	-	865.0
LPS Pumping Upgrades & Power Supply (Generators, Civil, Electrical & Substation)	A	W0130	4,808.9	-	-	-	-	-	-	-	-	-	4,808.9
SCADA Upgrades	A	W0139	500.0	2,000.0	-	-	-	-	-	-	-	-	2,500.0
QMS Framework and System Implementation	B	W0148	200.0	100.0	-	-	-	-	-	-	-	-	300.0
Plant Renewal (Owner's Engineer, Legal/Fin/Expert/Fairness Support, Stipend, Design, GB and PDB Costs)*	A	W0126	1,500.0	21,650.0	4,340.0	1,000.0	1,000.0	500.0	100.0	-	-	-	30,090.0
Plant Renewal Construction**	A	W0126	-	5,000.0	42,250.0	45,000.0	16,000.0	-	-	-	-	-	108,250.0
Intermediate Sludge Stockpile	B	W0145	300.0	-	-	-	-	-	-	-	-	-	300.0
Regen Repairs Refractory	A	W0147	-	-	500.0	-	-	-	-	-	-	-	500.0
Principle and Interest Payments	A	W0146	2,518.5	4,538.9	7,789.4	10,990.0	11,015.0	11,040.0	11,202.1	11,202.1	11,202.1	11,202.1	92,700.3
TOTAL CAPITAL BUDGET			10,077.4	33,348.9	55,004.4	57,995.0	29,153.0	12,712.0	12,509.1	12,445.1	12,482.1	12,520.5	248,247.6
TOTAL CAPITAL REVENUE (Including Proceeds of Loans and Grants)			19,126.2	43,674.0	61,933.7	61,345.6	12,215.3	13,084.9	13,119.7	13,154.5	13,189.3	13,224.1	
NET SURPLUS (DEFICIT) FOR THE YEAR			9,048.8	10,325.2	6,929.3	3,350.6	- 16,937.8	372.9	610.6	709.4	707.2	703.6	
RESERVE		F 2018 YE Reserve											
		12,414.4	21,463.2	31,788.4	38,717.6	42,068.2	25,130.4	25,503.3	26,114.0	26,823.4	27,530.6	28,234.2	
PRIORITY A - CRITICAL, B -VERY IMPORTANT/STRAT PLAN/RISK REGISTRY, C - IMPORTANT, D - LOW													
* - Total of \$15.7 million is required to obtain a GMP at 60% design by 2020													
** - Placeholder Number Until 30% Design Completed													
20-Sep-18													

BUFFALO POUND WATER								
2019 CAPITAL REVENUE BUDGET - SUMMARY OF REVENUES (THOUSANDS OF \$)								
2019 CAPITAL BUDGET APPROVED SEPTEMBER 26, 2018								
CAPITAL REVENUES (THOUSANDS OF \$)								
DESCRIPTION	REVENUE SOURCE	2018 FORECAST*	2019 BUDGET	2020 BUDGET	2021 BUDGET	2022 BUDGET	2023 BUDGET	COMMENTS
Capital Water Charge - Regina	57310	5,760.0	5,489.6	6,278.0	8,380.4	9,490.0	10,220.0	
Capital Water Charge - Moose Jaw	57311	1,040.0	1,005.8	1,150.3	1,535.5	1,738.8	1,872.5	
Sask Water Capital Charge	57312	51.7	58.8	65.8	67.9	76.9	82.8	
Interest	56505	837.7	40.0	40.0	40.0	40.0	40.0	
Proceeds from PTIC-NRP Grant		-	12,532.0	6,140.0	1,910.0	-	-	Successful PTIC-NRP Grant - MAX of \$10.291 million Federal and \$10.291 million Provincial Funds
Proceeds from Loan		-	-	30,000.0	50,000.0	50,000.0	-	\$130 million is a place holder until more design is done to determine a Class 4 estimate
TOTAL		7,689.4	19,126.2	43,674.0	61,933.7	61,345.6	12,215.3	

Note: No change to rates or structure for SaskWater or the Provincial Park until new agreements are executed. After which time a 10% ROR will be used and the capital rate included.
However, the capital charge currently applied to Sask Water as per the current agreement will be maintained until the agreement is amended but is separated from the operations revenue. A new agreement should be negotiated with SaskWater for 2019.

* - Based on August 31, 2018 Actuals Forecasted to YE

**BUFFALO POUND WATER
2019-2023 WATER SALES FORECAST (ML)
2019 BUDGET APPROVED SEPTEMBER 26, 2018**

	2019	2020	2021	2022	2023
City of Regina	29,200	29,200	29,200	29,200	29,200
City of Moose Jaw	5,350	5,350	5,350	5,350	5,350
Sask Water	215	215	215	215	215
Provincial Park	20	20	20	20	20
Water Stand Sales	6	6	6	6	6
TOTAL	34,791	34,791	34,791	34,791	34,791

**BUFFALO POUND WATER
2019-2023 POWER SALES FORECAST (kWh)
2019 BUDGET APPROVED SEPTEMBER 26, 2018**

	2019	2020	2021	2022	2023
City of Regina	3,597,625	3,148,938	3,373,281	3,261,109	3,317,195
City of Moose Jaw	660,960	647,498	654,229	650,863	652,546
Sask Water	49,229	49,310	49,270	49,290	49,280
TOTAL	4,307,814	3,845,745	4,076,780	3,963,284	4,021,044