



**Attachment #2 2019 to 2023 Waterworks Utility Budget and Financial Model**

**WATER UTILITY RESERVE  
2019 - 2023**

	2018	2019	2020	2021	2022	2023	Total
Opening Balance	\$8,793,648	\$18,071,573	(\$7,919,519)	\$29,018	(\$1,028,477)	(\$1,174,050)	
Contributions during the year	\$6,587,995	\$7,960,506	\$10,125,207	\$11,333,462	\$12,154,384	\$13,186,779	\$54,760,338
Loan Proceeds	\$30,000,000	\$0	\$20,000,000	\$0	\$0	\$0	\$20,000,000
less Water Works Projects	\$35,408,000	\$20,885,349	\$22,176,670	\$12,390,957	\$12,299,957	\$13,099,957	\$80,852,890
less Uncompleted Works	\$20,557,830	\$13,066,249	\$0	\$0	\$0	\$0	
<b>Year End Balance</b>	<b>(\$10,584,187)</b>	<b>(\$7,919,519)</b>	<b>\$29,018</b>	<b>(\$1,028,477)</b>	<b>(\$1,174,050)</b>	<b>(\$1,087,228)</b>	

<div>  <div> <b>City of Moose Jaw</b>  <b>Waterworks Utility</b>  <b>2019 to 2023 Financial Model</b> </div>  </div>						
<b>Waterworks Utility - Forecast</b>						
Revised February 12th, 2019	2018	2019	2020	2021	2022	2023
<b>Operating Budget Model</b>						
<b>Revenues:</b>						
General Service	\$ 10,600,000	\$ 11,174,300	\$ 12,325,935	\$ 13,989,937	\$ 15,123,122	\$ 16,348,094
Utility Billing Penalties	58,277	60,387	65,278	74,091	80,092	86,580
Connection Fees	62,235	62,940	63,000	65,000	67,000	70,000
Water Depots	35,075	28,390	30,690	34,833	37,654	40,704
House Connections	300,000	300,000	315,000	330,750	347,288	364,652
Miscellaneous Revenue	1,092	1,000	1,000	1,000	1,000	1,000
Water Meter Revenue	17,000	20,000	21,000	22,000	23,000	24,000
<b>Total Revenues</b>	<b>\$ 11,073,679</b>	<b>\$ 11,647,017</b>	<b>\$ 12,821,903</b>	<b>\$ 14,517,610</b>	<b>\$ 15,679,155</b>	<b>\$ 16,935,030</b>
<b>Expenditures:</b>						
Production	\$ 2,971,446	\$ 3,047,945	\$ 3,279,790	\$ 3,752,742	\$ 4,044,169	\$ 4,266,440
Distribution	4,018,372	4,032,213	4,128,986	4,228,082	4,329,556	4,433,465
Administration	1,361,636	1,500,084	1,556,961	1,640,761	1,748,248	1,829,777
<b>Total Expenditures</b>	<b>\$ 8,351,454</b>	<b>\$ 8,580,242</b>	<b>\$ 8,965,737</b>	<b>\$ 9,621,584</b>	<b>\$ 10,121,972</b>	<b>\$ 10,529,682</b>
<b>Reserve Contribution</b>	<b>\$ 2,722,225</b>	<b>\$ 3,066,775</b>	<b>\$ 3,856,166</b>	<b>\$ 4,896,026</b>	<b>\$ 5,557,183</b>	<b>\$ 6,405,348</b>
<b>Reserve Cashflow Model</b>	2018	2019	2020	2021	2022	2023
Opening Balance of Reserve	\$ 8,326,765	\$ 18,071,573	\$ (7,919,519)	\$ 29,018	\$ (1,028,477)	\$ (1,174,051)
Reserve Contribution	2,722,225	3,066,775	3,856,166	4,896,026	5,557,183	6,405,348
Interest Revenue	237,585	119,287	(102,577)	(14,242)	(34,139)	(37,876)
Borrowing Proceeds	30,000,000	-	20,000,000	-	-	-
Gas Tax Funding	2,033,041	2,082,952	2,082,952	2,082,952	2,082,952	2,082,952
Borrowing Repayment	(508,103)	(2,575,349)	(4,423,670)	(4,424,957)	(4,424,957)	(4,424,957)
Tax Funding	2,706,874	2,691,492	2,668,666	2,748,726	2,831,188	2,916,123
Infrastructure Levy	-	-	1,620,000	1,620,000	1,717,200	1,820,232
Carry Forwards	-	(13,066,249)	-	-	-	-
Capital Expenditures	(27,446,814)	(18,310,000)	(17,753,000)	(7,966,000)	(7,875,000)	(8,675,000)
<b>Closing Balance of Reserve</b>	<b>\$ 18,071,573</b>	<b>\$ (7,919,519)</b>	<b>\$ 29,018</b>	<b>\$ (1,028,477)</b>	<b>\$ (1,174,051)</b>	<b>\$ (1,087,229)</b>
<b>Forecast Rates:</b>	2018	2019	2020	2021	2022	2023
<b>Projected Key Rates</b>						
Anticipated Cost Increases	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%
Production Cost Increases	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Approved Rate Structure	9.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Proposed Rate Structure	0.0%	6.0%	9.0%	15.0%	9.0%	9.0%
Conservation Rate	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%
<b>Average Cost Example</b>	2018	2019	2020	2021	2022	2023
75M3 per Qtr 15 - 20mm Meter	\$ 181.89	\$ 192.81	\$ 210.16	\$ 241.68	\$ 263.44	\$ 287.14
25M3 per Mnth 15 - 20mm Meter	\$ 60.63	\$ 64.27	\$ 70.05	\$ 80.56	\$ 87.81	\$ 95.71
Infrastructure Levy-15-20mm/Mnth	\$ -	\$ 8.33	\$ 8.33	\$ 8.33	\$ 8.83	\$ 9.36