

BOWEN ISLAND MUNICIPALITY 2010 FIVE YEAR FINANCIAL PLAN		2009	2009	2010	2011	2012	2013	2014
WATER SYSTEM - Tunstall Bay		Budget	Projected Actual	Proposed Budget	Proposed Budget	Proposed Budget	Proposed Budget	Proposed Budget
Summary - Operating								
Revenue		69,063	68,985	80,918	80,923	93,328	93,333	93,338
	Transfer in from Savings to Fund Capital	17,882	6,070	13,000	-	10,000	10,000	10,000
Expense	Administration	(11,044)	(11,510)	(12,097)	(11,706)	(11,882)	(12,061)	(12,243)
	Operations	(44,919)	(55,419)	(42,089)	(42,924)	(43,681)	(44,452)	(45,236)
	Capital Works	(25,000)	(6,070)	(29,000)	(17,000)	(20,000)	(20,000)	(20,000)
	<i>Trans to BIM - for Share of Capital & Equip Rpl</i>			(4,402)	(880)	(880)	(880)	(880)
	Savings - For Future Works	(5,982)	(2,056)	(6,330)	(8,413)	(26,885)	(25,940)	(24,979)
	Surplus / (Deficit)	-	-	-	-	-	-	-
2009 Results		Surplus	\$ -					
Revenue	On Target							
	Transfers from Reserve & Surplus not required to extent budgeted as Capital works not completed as planned							
Expense	Administration slightly over - extra printing costs							
	Operations over budget primarily due to repeated breakdown of communications to well pumps - requiring investigation / manual monitoring and eventual resolution by installing Radio Monitoring SCADA system. Detection and repair of leaks in distribution system was problematic. Long term plan for distribution system replacement will be required in the near future.							
	Fiscal Services - Savings for future works less than planned to avoid deficit that would result - due to over expenditure in operations as noted above							
	Capital works not completed as planned - works revised and rebudget to future years. SCADA System installed see above							
2010 - 2014 Proposed Budget								
Revenue	Planned increase of \$100 to \$650 is to be implemented - a second increase of \$100 is planned for 2012 to fund capital improvements &/or contributions to reserves for future works							
Transfers	Transfer in from Savings to fund portion a of Capital Works planned							
Expenses	<i>2010 Change in service delivery incorporated into this budget. Beginning May 1, 2010 Bowen Island Municipality will assume in-house provision of the labour component of routine operations - formerly provided by contract.</i>							
Admin	Increase in allocated salary and associated costs - due to increased BIM costs due to increased employee training, vehicle ops & maintenance this increase in overall administration will be offset in future years as additional liability insurance will no longer be required.							
Operations	An overall decrease in operations and maintenance have been budgeted. This is primarily due to the expected decrease in costs resulting from the change to municipally supplied service delivery for 2/3 of the year in 2010; and further reductions for the full year service change beginning 2011 Pumping Stations maintenance reflect an overall decrease due to the reclassification of pump replacements to capital. This is slightly offset by an increases in Utilities for SCADA telephone charges, Purification & Treatment and Transmission & Distribution to reflect recent experience							
Fiscal	The contingency is budgeted at approximately 5% of Operations and contributions to savings for future works is less to accommodate a higher level of capital expense in 2010. In 2010 a one time contribution to BIM for Tunstall Bay's Share of purchasing vehicles and a computer system has been included; thereafter an annual contribution as Tunstall Bay's share of the periodic replacement of the equipment has been budgeted.							

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WATER SYSTEM - Tunstall Bay		Budget	Projected Actual	Proposed Budget	Proposed Budget	Proposed Budget	Proposed Budget	Proposed Budget
Capital	<i>Budgeted for 2009 - deemed high priority - funded from reserves & current operations</i>							
2010	Replace Well meter monitoring system for storage tank - which will be tied into the SCADA System							
	Replace Well service line from Well No 4A to Tunstall Bay Boulevard							
	Contingency for Replacement of Well Pumps and motors as needed							
	PRV Chamber Upgrade - One chamber very deep and is at risk of collapse - access not allowed currently due to risk							
	SCADA system enhancement - for increased reliability for radio control of pumps							
2011	PRV Chamber lids - cannot be lifted without machine - should be replaced with manageable covers - work to be completed 2008-2010							
	Well Monitoring - due to ground water supply recommended for resource monitoring first of two to be installed							
	Hydrant Extensions two hydrants located are over steep banks (dangerous for firefighters) - funded from reserves							
2012-2014	Annual Pump Replacements, PRV Replacements and SCADA System Enhancements							
Projected Surplus & Reserves								
Projected Accumulated Surplus Balances		2009	2009	2010	2011	2012	2013	2014
		Budget		Budget	Budget	Budget	Budget	Budget
	Opening Bal	39,162	39,162	39,162	41,266	41,266	43,450	45,673
	Transfer in	2,246	-	2,104	-	2,184	2,223	2,262
	Transfer out			-	-	-	-	-
	Closing Bal	41,408	39,162	41,266	41,266	43,450	45,673	47,935
	<i>Note: Cash Flow Target 50% of Revenue requirement</i>	34,375	34,375	40,300	40,300	46,500	46,500	46,500
Projected Works Reserve Balances		2009	2009	2010	2011	2012	2013	2014
		Budget		Budget	Budget	Budget	Budget	Budget
	Opening Bal	17,882	17,882	13,868	5,094	13,507	30,392	46,332
	Transfer in	3,736	2,056	4,226	6,267	26,885	25,940	24,979
	Unused contingency if Working Capital Sufficient			-	2,146	-	-	-
	Transfer out	(17,882)	(6,070)	(13,000)	-	(10,000)	(10,000)	(10,000)
	Closing Bal	3,736	13,868	5,094	13,507	30,392	46,332	61,311
	TOTAL	45,144	53,030	46,360	54,773	73,842	92,005	109,246

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WATER SYSTEM - Tunstall Bay											
EXPENDITURES											
Water Administration											
30-2-0110-599	PW & Clerical Salary & Costs Pro-rata				8,594	8,594	9,544	9,687	9,832	9,979	10,129
30-2-0110-211	Travel										
30-2-0110-212	Postage/Courier				300	363	370	376	382	388	394
30-2-0110-213	Telephone										
30-2-0110-221	Education/Promotion/information				50	234	51	52	53	54	55
30-2-0110-230	Contract Services - Engineering										
30-2-0110-232	Legal										
30-2-0110-233	Contract Services - Admin				100	60	102	104	106	108	110
30-2-0110-235	Consultants				-	-	-	-	-	-	-
30-2-0110-238	Licences & Insurance				2,000	2,072	2,030	1,487	1,509	1,532	1,555
30-2-0110-500	Office Supplies										
30-2-0110-501	Photocopying and Printing					187	-				-
30-2-0110-590	Miscellaneous						-				-
30-2-0110-591	Water System Documentation - Planning Study						-				-
30-2-0110-592											
30-2-0110-593											
Total Water Administration					11,044	11,510	12,097	11,706	11,882	12,061	12,243

incl share of additional ops & training associated with new service delivery model



reduction in liability insurance costs beginning 2011

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WATER SYSTEM - Tunstall Bay										
			Water Operations			27,999	<i>2010 comparison if at 12 mons contractor rate</i>			
30-2-0381-235	Routine Op & Maintenance Contract / In-house - labour component			26,919	26,919	22,173	22,707	23,161	23,624	24,096
			Pumping Stations							
30-2-0381-236	Extra			-	701	-	-	-	-	-
30-2-0381-500	Materials & Supplies			5,000	5,272	2,000	2,030	2,060	2,091	2,122
30-2-0381-550	Utilities			6,000	6,596	6,916	7,020	7,125	7,232	7,340
30-2-0381-590	Miscellaneous			500	2,212	500	508	516	524	532
			Service of Supply							
30-2-0382-235	Routine Op & Maintenance Contract			-	-	-	-	-	-	-
30-2-0382-236	Extra			1,000	3,935	1,000	1,015	1,030	1,045	1,061
30-2-0382-500	Materials & Supplies				105	500	508	516	524	532
30-2-0382-590	Miscellaneous			-	501	500	508	516	524	532
			Tank demolition							
			Purification & Treatment							
30-2-0383-235	Routine Op & Maintenance Contract			-	-	-	-	-	-	-
30-2-0383-236	Extra			-	611	-	-	-	-	-
30-2-0383-500	Materials & Supplies			2,500	2,031	2,500	2,538	2,576	2,615	2,654
30-2-0383-590	Miscellaneous			-	632	1,000	1,015	1,030	1,045	1,061
			Transmission & Distribution							
30-2-0384-235	Routine Op & Maintenance Contract			-	-	-	-	-	-	-
30-2-0384-236	Extra			3,000	5,904	5,000	5,075	5,151	5,228	5,306
30-2-0384-500	Materials & Supplies					-	-	-	-	-
30-2-0384-590	Miscellaneous									
30-2-0384-591	Hydrant maintenance & relocate 2 x TB Bvd									
			Total Operations	44,919	55,419	42,089	42,924	43,681	44,452	45,236

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WATER SYSTEM - Tunstall Bay				Budget	Projected Actual	Proposed Budget	Proposed Budget	Proposed Budget	Proposed Budget	Proposed Budget
			Fiscal Services							
30-2-0910-001			Short Term / Interim Loan Interest							
			Total Short term Interest							
			Interest - Long Term Debt							
30-2-0912-001										
30-2-0912-002										
			Total - Interest Long Term Debt							
			Fiscal Services - Other							
30-2-0910-002			Bank Service Charges	-	-	-	-	-	-	-
30-2-0910-003			U.S. Exchange - Debt Service							
30-2-0910-004			New Debt Service Charges							
			Total Fiscal Services - Other							
			Transfers to Own Accounts							
			Contingencies @ 5% of Operating	2,246		2,104	2,146	2,184	2,223	2,262
			Transfer to Provisional Contributions Reserve							
			Transfer to Incomplete Works Reserve							
			Transfer to Tunstall reserve for future works account	3,736	2,056	4,226	6,267	24,701	23,717	22,717
			To Surplus for Working Capital							
			Transfers to Other Funds							
30-2-0930-001			Transfer to Water Capital Fund - Contribution to Capital Progra	25,000	6,070	29,000	17,000	20,000	20,000	20,000
30-2-0930-002			Transfer to Water Capital Fund - Debt Principal							
30-2-0930-004			Transfer to BIM General Fund for capital (vehicles & computer)			4,402				
30-2-0930-004			Transfer to BIM General Fund for Equipment Replacement Reserves				880	880	880	880
30-2-0930-003			Transfer to Reserve Funds							
			Total Fiscal Services & Other	30,982	8,126	39,732	26,293	47,765	46,820	45,859
			Total Water Expenditures	86,945	75,055	93,918	80,923	103,328	103,333	103,338
			Surplus / (Deficit)	-	-	-	-	-	-	-

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WATER SYSTEM - Tunstall Bay				Budget	Projected Actual	Proposed Budget	Proposed Budget	Proposed Budget	Proposed Budget	Proposed Budget
	CAPITAL	(31)								
Funding Sources										
3111700001	Ops - from Works Reserve			17,882	6,070	13,000		20,000	20,000	20,000
3111700001	Ops - from Accum. Surplus									
3111700001	Ops - from current revenue			7,118		16,000	17,000			
3111700001	Operations - Transfer from General Revenue Fund - Internal Financing									
	Reserve Funds									
	Grants									
	Debt									
				25,000	6,070	29,000	17,000	20,000	20,000	20,000
Expenditures										
	Capital improvements									
3121720001	Well House# 1 and #2 Improvements									
3121720002	Purchase and install five stage filtering system - Explosives Creek									
	(new source)									
Water Storage Tank Replacement \$172,000 on hold // Staff to review in context of long range plan - for future discussion										
3121720010	Well meters for Storage Tank					2,000				
3121720011	Well service line replacement 4A					10,000				
3121720012	Well Pump Replacement					5,000		5,000	5,000	5,000
3121720003	PRV Chamber Lids						5,000			
3121720013	Well Monitoring Sensors						2,000			
3121720005	Hydrant Extensions (Safety issue)						10,000			
3121720006	Upgrade PRV Chamber (Safety issue)			25,000	-	10,000				
	PRV Replacements							10,000	10,000	10,000
	Generator									
3121720008	SCADA site (x1)	Emergency - Signal to Wells degraded - Wireless Monitoring System			6,070	2,000		5,000	5,000	5,000
				25,000	6,070	29,000	17,000	20,000	20,000	20,000