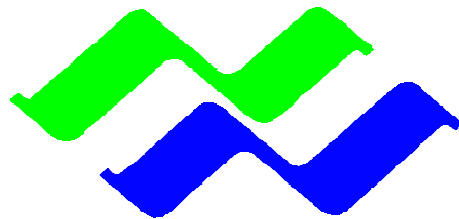


City of North Battleford Utility BUDGET 2011

*Into the Second
Decade*



**North
Battleford**

Reviewed on November 29, 2010
Budget and rate bylaws adopted December 13, 2010

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EXECUTIVE SUMMARY

In the last decade the City's attention was directed to replacing aging infrastructure and building in capacity to carry on into the 21st Century. Projects like the construction of a new sewage treatment plant, enhancing primary water filters and replacing collectors pipes are just a few of the major capital utility projects. From the last decade the City has also learned that resources can not be totally focused on bricks, mortar, and pipe; but attention also had to be directed to training, service relations and safety.

As the City goes forward "**Into the Second Decade**" the focus will be more on future and less on the present. More emphasis will be put into training to ensure the City operations are operating in an efficient and effective manner. Areas where the staff compliment is not sufficient will be added to. To protect the work force mandatory safety measures will be put in place. As we are all well aware the Province is experiencing a rebirth in economic progress where it is becoming more difficult to attract and maintain component staff. This has brought forward different challenges that can not be ignored.

This document addresses the challenges of the three utilities. In previous utility budgets we have been addressing a standard cost for a residential consumer and the change in the cost of the service. For 2011 the City is proposing a \$3.85 monthly increase, which translates into 4.3%. This increase may seem high compared to other utilities that have attempted to hold the line or reduce rates. To draw your conclusions on the overall price or increase needs to be done in context to the deliverables. Our primary focus is to ensure every user is treated to high quality and ample quantity of drinking water; safe disposal of sanitary sewage; and responsible removal of waste material.

INTRODUCTION

The 2011 Utility Budget will address the operational expenditures and five year capital plan for potable water production and distribution; sanitary sewage collection and treatment; and solid waste management and recycling. In the upcoming year the City will be completing a major expansion to the No. 1 Water Treatment Plant, finalize the design requirements for the proper disposal of sanitary sewage material and start cell three at the land fill. For 2011 the City plans to spend over \$12.2 million in capital work and related financing, and over \$5 million in operating expenses for these three utilities.

This budget is separated into three parts. Each section will list out the operation, capital and revenue requirements. At the conclusion, the proposed rates will be brought together to demonstrate what a standard bill will be. In the appendices there will be the detailed financial pro forma statements, and descriptive narrative of each capital project.

Throughout this report the term variable costs and fixed costs are used in water and sanitary sewage. For ease of reference **variable costs** are financed by the consumption rates placed on each cubic metre of water and effluent. **Fixed costs** are paid through the flat charges placed on each residence or business based on meter size.

1) Water Expenditures

Under the water utility there are four major expenditure areas. The proposed 2011 pro forma statements for water can be found in Appendix 1 (page 23).

i. Administration

The administration section is comprised of a portion senior administration for Public Works, technician labour costs and processing of utility billings. In the last two years there has been very little change. Labour forms the bulk of the costs in this section. The other sections in this area comprise of meter reading and billing. These costs have remained static over the last few years.

Table 1 - Water Administration

Activity	Fixed	Variable	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end
Administration	\$ 203,204	\$ 106,940	\$ 310,144	\$ 411,695	-25%	\$ 296,991	\$ 200,602

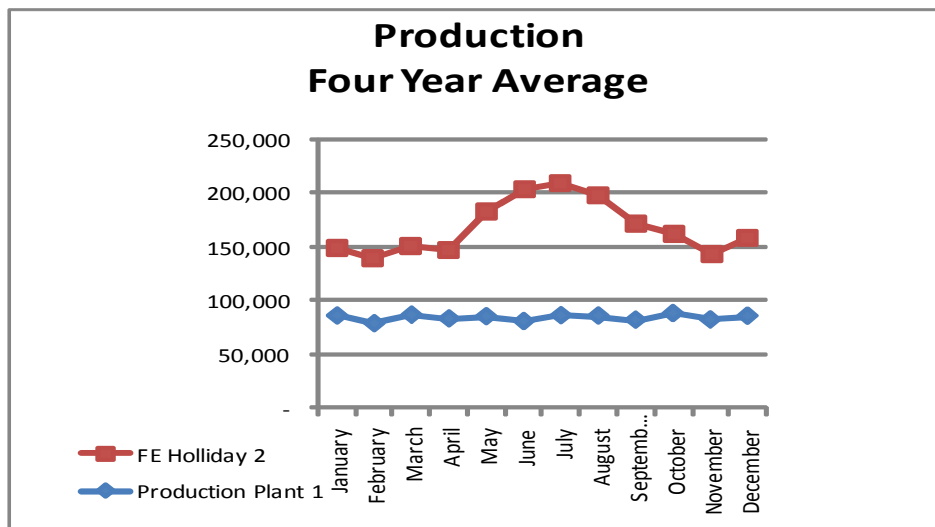
New activities to this area are special projects, general training and the City's safety program. The special project expenditures are things like the lead line replacement and the well field study. With the completion of the well study this has resulted in large decrease from 2010. For 2011 the City is putting forward \$25,000 for the lead line replacement program.

Last year the City rolled out a new safety strategy where every part of the organization was required to identify safety initiatives and track the respective costs separately. This year the City is budgeting approximately \$20,000 for safety in the water utility. In addition to safety there is a requirement that City staff maintain a certain level of training. This year the water training budget is projected to be \$37,000.

ii. Water Treatment Plants

Treatment Plant #1 is the City's primary water plant that provides just over half of the City's water. The raw water is extracted from the shallow sand aquifers along the North Saskatchewan River by a series of wells. The raw water is treated and pumped to the City's distribution network. The F.E. Holliday Plant is the City's secondary source and is used during the high demand periods in the spring and summer. The raw water is extracted from the North Saskatchewan River and treated at the plant located by the river. Refer to the graph on the next page which depicts a four year average volume on water production.

Water Production – Graph 1



As shown above on the stacked graph the production of water increases dramatically in the summer months. This increased production is provided by FE Holliday. Further in the capital budget section a strategy on enhancing the well production field will be introduced to reduce the dependency on FE Holliday plant.

Activity	Fixed	Variable	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end
Plants	\$ 323,000	\$ 1,011,951	\$ 1,334,951	\$ 1,223,560	9%	\$ 952,011	\$1,064,267

The increase in the plants section centers on more labour being utilized after plant construction and additional service work that was postponed until revisions were completed.

iii. Transmission & Distribution

The City's network of storage facilities, pumping stations and distribution lines comprises the third section of the water utility budget.

Activity	Fixed	Variable	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end
Transmission & Distribution	\$ 359,625	\$ 481,583	\$ 841,208	\$ 903,727	-7%	\$ 767,982	\$ 800,212

iv. Capital Financing

The last section of the water utility is the capital financing section. The section can be separated into external payments, capital projects, deficit repayment and internal transfers for capital financing.

Activity	Fixed	Variable	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end
Capital Financing	\$3,461,481	\$ 3,132,003	\$ 6,593,484	\$ 9,884,304	-33%	\$7,093,951	\$2,214,577

(1) External Payments

In the last utility budget the City had factored in repayment of Killdeer Water Looping Project with the interest costs being reimbursed by the Province of Saskatchewan through the Saskatchewan Infrastructure Growth Initiative (SIGI). The principal payments were to be made by the City's Land Development Reserve. Due to delays by the owner the work has not been started. It is anticipated that the work will start in the near future. The City had borrowed the money and will continue to repay the principal based on the agreement, however is the project does not go through the City will be responsible for repaying the province the interest.

In 2010 the City borrowed \$2.5 million from Canada Mortgage and Housing Corporation to finance the expansion of No. 1 Treatment facility. During the last budget session the City anticipated paying a portion of the principal and interest back in 2010. As this is an annualized loan schedule the first payment was not due until 2011. The allocated funds in 2010 for repayment (\$96,900) have been transferred to reserve to assist in future project financing. For 2011 a \$222,188 annual payment will be made. This is the first of 15 annual payments. Principal and interest are charged directly to fixed costs.

(2) Capital Projects

The upcoming projects are listed in the table below. The major project is the plant expansion which is continued on from 2010. The detail behind each is provided in Appendix 2 (page 24-31).

<i>Table 5 - 2011 Water Capital Projects</i>		
#1 Water Treatment Plant		
Plant Expansion No. 1 Plant	\$	3,300,000
Equipment Changes - Air to Electric Actuators		100,000
New Well Development		800,000
Chemical Room Foundation Remediation		50,000
Roof Replacement on Existing Building		75,000
		\$ 4,325,000
Holiday Water Treatment Plant		
Presettling System		10,000
Filter Underdrain System		200,000
Backwash System		150,000
		360,000
Distribution System		
Main Replacement		400,000
Satellite Stations		
Booster Standby Engine		150,000
Tower/114th Res.		350,000
		500,000
TOTAL WATER	\$	5,585,000

A summarized version of the five year capital plan can be found in **Appendix 5** (page 37). As with every budget cycle this is modified every year and will be updated during each budget deliberation.

(3) Deficit Repayment

The break down of the water utility deficit is as follows:

Table 6 - Deficit Financing		
Water Utility Deficit December 31, 2009		\$ 382,778
Budgeted pay down 2010		94,572
Estimated projected surplus		73,627
Water Utility Deficit December 31, 2010		\$ 214,579
Budgeted Payment to		\$ 107,289
maintain schedule to pay deficit down by 2012		

The deficit started back in 2006 when the City agreed to internal transfer from surplus to finance the installation of new filters for No. 1 Water Plant filters. With the City's philosophy of running a self sustaining utility this repayment schedule should be maintained in this financial plan. The repayment has been placed on fixed services only.

(4) Internal Transfers

In previous memos to Council administration reported on the requirement for the City to be compliant to the Public Sector Accounting Board Standards 3150. This requirement is to take into consideration amortization as a charge against operations. As reported the City is in the process of being compliant; however at this time the City is not able to track the amortization expense. Instead the City will rely on transfer to reserves as its charge on operations.

Based on the City's capital plan the reserve contributions for the upcoming year will increase significantly to cover off the required five year capital plan. In 2010 the City forecasted a contribution of \$589,992; this will increase to \$679,006 for 2011.

In the next five years the annual contributions to reserves to finance the capital plan will be modified. The City's standard practice is to have reserve contributions in equal installments. Based on the five year plan five equal installments of \$879,006 are required. This increased contribution would require a 10.35% rate increase on a regular user by itself. From the information provided it may be prudent to defer approximately \$200,000 in contribution until next year.

Reserve contributions are split 50/50 between fixed and variable costs. When the City becomes compliant with PSAB 3150, the funds raised by amortization will reduce the request made by the reserve policy.

2) Water Revenue

Under the water utility there are four areas where revenue is raised and funds are accessed. These are ***other sources, grants, internal (reserves) and external (debt) transfers, and utility rates***. For 2011 the City is not looking to access debt for financing capital works. In the previous year the City accessed \$2.5 million to assist in the No. 1 Water Plant expansion. The loan agreement required the City to access all the funds in one draw. Only \$1.4 million was accessed with the remaining proceeds carried over to 2011.

i. Other Sources

The three components of funding through other sources are fire hydrant service, water sales through the water crane and service connections.

Table 7 - Other Funds

Activity	Fixed	Variable	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end
Other Water Revenues	\$ 90,054	\$ 97,400	-\$ 187,454	-\$ 164,455	14%	-\$ 180,166	-\$ 148,038

The water utility charges the Fire Service a flat fee for maintenance and replacement of the fire hydrant network. Each year the fee is adjusted up by 5%. For 2011 the fee will be \$90,054. This is defined as a fixed revenue source.

Under the variable sources the main revenue streams are water sold at the City bulk hauling facilities, reconnection fees and interest charges on over due accounts. In 2010 the City increased the reconnection fees and implemented penalty charges.

ii. Grants

Under the new provincial reporting requirements there are two types of conditional grants – Operational and Capital. For 2011 the City will be accessing capital grant assistance through the Stimulus Funding, for the Expansion of No. 1 plant capacity. The City is projecting that \$2.6 million will be accessed from the \$4.6 million approved. The remaining funds will be allocated in 2011. The second program is New Deal Funding for the Main Replacement. The City will be utilizing \$150,000 for the work.

iii. Internal & External Transfers

As previously stated in the ***Internal Transfers section*** in expenditures the City will be utilizing reserves to finance capital over and above grants and debt financing. Per the City Reserve Policy, withdrawals on capital projects will be made in accordance with current budget directives as outlined in the capital budget and operational budget. When expenditures are completed withdrawals will be made. Changes to withdrawals other than those made per budget directive must be endorsed by Council.

Listed in below are the three reserves in the water utility.

	Balance Principle	2010 Projected Balance	2011 Reserve Withdrawals	2011 Reserve Contributions	2011 Projected Balance
Water Plant Reserve	\$ 500,000	\$ 1,377,497	\$ 1,485,000	\$ 215,501	\$ 107,998
Water Tower/Reservoirs Reserve	\$ 500,000	705,527	500,000	58,895	264,421
Water Main Replacement Reserve	\$ 500,000	968,946	250,000	404,611	1,123,557
		\$ 3,051,970	\$ 2,235,000	\$ 679,006	\$ 1,495,976

As identified in the previous section for 2011 the City will defer **\$200,000** reserve contribution. This amount will be added to the future contribution requirements.

As for new debt issuance the City is not proposing to seek out external financing for this utility.

iv. Water Rates

To balance off the operating, capital, reserve and debt repayment requirements with the other sources of funding, the City requires fixed rates or meter charges to increase and variable consumption rates to rise as well. The table below demonstrates the total changes that are being recommended.

	2011	2010	Change	
Base Rate Charges	\$1,464,755	\$ 1,406,972	\$ 57,784	
Consumption Charges	1,842,577	1,749,059	93,517	
	\$3,307,332	\$ 3,156,031	\$ 151,301	4.79% Increase

A customer using 25 cubic metres will increase the following increase.

WATER MONTHLY COST		Rate per projection				
	Cubic M.	Current Rate	Current Bill	Proposed Rate	Proposed Cost	Increase
Existing Bill	25					
Residential Water		\$ 0.88	\$ 22.00	\$ 0.92	\$ 23.03	\$ 1.03
Residential Water Base Rate			18.87		19.47	0.60
Total Water charge to user			\$ 40.87		\$ 42.50	\$ 1.63
			Percent Increase		3.99%	

3) Sanitary Sewage Expenditure

Under the sanitary sewage utility there are five major expenditure areas. The proposed 2011 pro forma statements for this utility can be found in Appendix 3 (page 32).

i. Administration

The administration section is comprised of the senior administration for Public Works, technician labour costs, safety initiatives and training.

Table 10 - Sanitary Sewage Administration

Activity	Fixed	Variable	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end
Administration	\$ 95,713	\$ 8,439	\$ 104,152	\$ 71,661	45%	\$ 79,114	\$ 75,985

The increase in this section centers primarily on the training and safety categories for plants and field staff.

ii. Sanitary Sewer Treatment Plant

Last year the City had budgeted \$800,000 to operate the plant. This year's budget will see an increase of 25% due to increase labour of \$112,000. Other increases are utility charges for water/sewage \$47,000, contract work \$26,000, and sludge charges at land fill \$15,000.

Table 11 - Sanitary Sewage Treatment Plant

Activity	Fixed	Variable	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end
Treatment Plant	277,215	723,885	1,001,100	800,315	25%	831,437	863,575

iii. Sanitary Sewer Main Collection

This section covers all the operating costs in maintaining the collection network excluding the lift stations

Table 12 - Sanitary Sewage Main Collection

Activity	Fixed	Variable	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end
Sanitary Sewage Main Collection	\$ 116,215	\$ 191,135	\$ 307,350	\$ 300,576	2%	\$ 305,292	\$ 271,790

The reason for the large increase for 2010 was due to extensive repairs.

iv. Sanitary Sewage Lift Stations

This section covers all the lift stations in the utility.

Table 13 - Sanitary Sewage Lift Stations

Activity	Fixed	Variable	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end
Lifts Stations	\$ 40,715	\$ 51,557	\$ 92,272	\$ 66,998	38%	\$ 36,867	\$ 23,669

The large increase relates to service contracts and increase repair on the seven stations. The capital investment strategy will see the City putting more emphasis on major station upgrades.

v. Sanitary Sewage Capital Financing

This section can be separated into external payments, capital projects, deficit repayment and internal transfers for capital financing.

(1) External Payments

The City has now completed the new sanitary sewer line. The project was financed primarily with debt through the Saskatchewan Infrastructure Growth Initiative (SIGI). This is the same program the City utilized in the water utility. The principal payments are made by the land development reserve.

With the delays experienced in the Killdeer Fairview Water Looping Project the City will be asking the province for permission to transfer that arrangement to this project. This will be pursued in 2011 as more information is made available.

The other payments being assessed to the utility relate to the Sewage Treatment Plant. For 2011 the City will pay \$1,147,185 in principal and interest. At the end of 2010 the debt outstanding is \$13,233,000. The loan repayment will be completed in 2030.

(2) Capital Projects

The upcoming projects are listed in the table below. The detail behind each is provided in Appendix 4 (page 33-36).

Table 15 - 2011 Sanitary Sewage Capital Projects			
Sewage Treatment Plant			
Sludge Removal Project		\$ 50,000	
			\$ 50,000
Collection System			
Collector Replacement		400,000	
WMF Lift Station Rebuild		190,000	
SE Quadrant Pump Upgrade		50,000	
Equalization Pond		30,000	
SCADA Lift Station		75,000	
			745,000
TOTAL SEWAGE			\$ 795,000

A summarized version of the five year capital plan can be found in **Appendix 5** (page 38). As with every budget cycle this is modified every year and will be amended during each budget deliberation.

(3) Deficit Financing

The break down on the sanitary sewage utility is as follows:

Table 16 - Sanitary Sewage Deficit Financing			
Sanitary Sewage Utility Deficit December 31, 2009			\$ 3,145,788
Budgeted pay down 2010			156,801
Estimated projected deficit			(72,604)
Sanitary Sewage Utility Deficit December 31, 2010			\$ 3,061,591
Maintain schedule to pay deficit down by 2029			\$ 161,136

Based upon the 2010 yearend projection the City will run another deficit. Based on the new information and maintaining the strategy to pay the deficit off next year's contribution will increase to \$162,998.

(4) Internal Transfers

As indicated in the water utility section the City will be compliant with PSAB 3150 by the end of the year. Based on the City's capital plan the reserve contributions for the upcoming year will increase significantly to cover off the required five year capital plan. In 2010 the City had budgeted a contribution of \$605,679. Based on the capital requirements in this budget the contribution of \$672,697 is needed for 2011.

The City's standard practice is to have reserve contributions in equal installments. For 2011 the City will defer \$200,000 in reserve contributions.

4) Sanitary Sewer Revenue

Under the sanitary sewage utility there are four areas where revenue is raised and funds are accessed. These are ***other sources, grants, internal (reserves) and external (debt) transfers, and utility rates.***

i. Other Sources

The main source of funding here is custom work as it relates to clean outs and reconnections. This area sees limited amount activity.

ii. Capital Grants

Under the new provincial reporting requirements there are two types of conditional grants. For 2011 the City will be receiving assistance from the province on the sanitary sewage line for Fairview and Killdeer. The grant is for the interest on the loan and is a conditional operating grant.

The second program is New Deal Funding for the Collector Replacement. The City will be utilizing \$150,000 for the work. This grant is a capital grant.

iii. Internal & External Transfers

As previously stated in the expenditure ***Internal Transfers section*** the City will be utilizing reserves to finance capital over and above grants and debt financing. Per the City Reserve Policy, withdrawals on capital projects will be made in accordance with current budget directives as outlined in the capital budget and operational budget. When expenditures are completed withdrawals will be made.

Listed below are the reserves in the sanitary sewage utility.

	Balance Principle	2010 Projected Balance	2011 Reserve Withdrawals	2011 Reserve Contributions	2011 Projected Balance
Sanitary Sewage Plant	\$ 500,000	\$ 963,956	\$ 50,000	\$ 46,209	\$ 960,165
Sanitary Main Replacement	\$ 500,000	470,561	595,000	426,488	302,049
		\$ 1,434,517	\$ 645,000	\$ 472,697	\$1,262,213

As identified in the previous section for 2011 the City will defer **\$200,000** reserve contribution (**\$100,000** for each reserve). This amount will be added to the future contribution requirements.

iv. Sanitary Sewer Rates

The consumption rates for sanitary sewage to residential consumers have been split between two rates – summer rate and winter rate. This has been extremely cumbersome to administer proper projections of revenue. For 2010 the rate for April through September was \$0.78/cubic m. and \$0.97/cubic m. in the off peak seasons. This was only being done for single family residences. The reason this was brought in was based on the fact that water was not going through the sanitary service therefore it should not be charged for.

To make up the difference, the cost of the forgone revenue was passed back on to users in higher rates in fall and winter months. This process is difficult to justify and arbitrary. Administration is proposing that it be removed.

In the most recent review of other Saskatchewan city practices of those that charged sanitary sewage variable rates there were 8 out of 15 cities that charged variable rates. The City of Estevan is the only city that charges a four month seasonal rate.

To balance off the operating, capital, reserve and debt repayment requirements with the other sources of funding, the City requires fixed rates or meter charges to increase and variable consumption rates to rise as well. The table below demonstrates the total changes that are being recommended.

Table 18- Sanitary Sewage Total

	2011	2010	Change		
Base Rate Charges	\$1,500,935	\$ 1,424,682	\$ 76,253		
Removal	1,780,958	1,706,263	74,695		
	\$3,281,893	\$ 3,130,945	\$ 150,948	4.82%	Increase

A customer using 25 cubic metres will increase the following increase.

SANITARY SEWAGE MONTHLY COST		Rate per projection				
	Cubic M.	Current Rate	Current Bill	Proposed Rate	Proposed Cost	Increase
Existing Bill	25					
Residential Sanitary Sewage		\$ 0.85	\$ 21.25	\$ 0.89	\$ 22.26	\$ 1.01
Residential Sanitary Sewage Base Rate			18.74		19.92	1.18
Total Sanitary Sewage Utility Charge			\$ 39.99		\$ 42.19	\$ 2.20
			Percent Increase		5.49%	

5) Sanitation Expenditures

The four components that make up this area are solid waste collection contract, waste management facility, recycling, and capital financing.

i. Solid Waste Collection Contract

The City has a contract with K & B Construction to pickup household garbage on a weekly basis. This service is a combination of front roll out bins and shared rear lane bin receptacles. Based on an estimated 4,760 service pickups the contract is estimated to be \$338,600. Last year the City budgeted \$310, 223.

ii. Waste Management Facility

The Waste Management Facility is operated by the City. In its operation the City contracts a private firm to maintain the cell. Below is the summarized table which shows the proposed expenditures for 2011.

Table 19 - Waste Management Facility

Activity	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end	2009 Budget
Waste Management Facility	\$ 537,253	\$ 510,169	5.3%	\$ 484,476	\$ 416,247	\$ 496,926
Waste Management Special Project	-	-		39,500	33,705	700
Waste Management Training	3,250	-		1,900	-	-
Waste Management Utility Safety	2,950	-		-	-	-
Total	\$ 543,453	\$ 510,169		\$ 525,876	\$ 449,952	\$ 497,626

As reported earlier this year Cell Two is full and an additional cell needs to be constructed. In 2010 the City contracted AECOM to put together a preliminary design to expand the storage capabilities. The capital work will be discussed in the Capital Financing section.

iii. Recycling

For recycling the City will be maintaining the same services previously provided such as pickups of paper and plastics at the two mall locations. Refer to the table below for detail.

Table 20 - Recycling

Activity	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end	2009 Budget
Recycling	\$ 236,638	\$ 231,013	2.4%	\$ 202,650	\$ 232,385	\$ 190,537

iv. Capital Financing

In the previous budget the City had planned to expand Cell 3 in 2010. Public Works had postponed this project by one year to perform a complete review of the cell capacity. A formal report was submitted to Council earlier this year identifying the need to create cell 3. The City is proposed to put forward the creation of Cell 3 commencing this spring. The total cost of the project is estimated to be \$1.9 million.

In anticipation of cell expansion the City has begun to increase reserve contribution. The last budget established \$206,400 as an annual contribution. These contributions will go towards the cell expansion which is projected to cost approximately \$1.9 million. For this year the City saw increased development, which in turn saw more material going to the landfill. The City is anticipating increased revenues which should translate into a larger than normal surplus. The surpluses raised in 2010 will be put into the Sanitation Reserve. Based on the projections the City anticipates the reserve to be \$1.2 million.

In the past, the policy governing the Waste Management Reserve was to make improvements to the facility and to maintain a \$300,000 balance over five years. With the need for a new cell and the increased pressures being put on the utility for modifications in service delivery it would be prudent to increase the reserve requirements. Administration is requesting that the City maintain a five year balance in reserve of \$400,000. The present balance is \$300,000.

6) Sanitation Revenues

The three revenue sources for this area are residential garbage pickup, tipping fees at the landfill and reserve withdrawals.

i. Residential Garbage Pickup

The City through its utility billing has been charging for garbage pickup to 4,750 households. Last year the rates were raised by \$1.00 to \$8.00 a month. From the City's records the amount of tonnage over the last three years has been averaging 5,800 metric tonnes. This is approximately 25% of the volume going into the cell.

For 2011 the City is not contemplating a change in fees. Below is a summary for the 2009 actual revenues, projected 2010 fees and the budget figures into 2011.

Table 21 - Pick Up Service

Activity	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end	2009 Budget
<i>Metric Tonnes</i>	5,806			6,854	5,318	
Residential Pick Up Service	\$ 456,000	\$ 456,960	-0.2%	\$ 452,026	\$ 439,537	\$ 452,699

ii. Landfill Tipping Fees

There are two separate rates charged at the Waste Management Facility. Resident fees are charged to a citizen or business whose normal place of residence or business premises is located within the corporate boundaries of the City of North Battleford. If there is an Agreement with a municipality or First Nations Reserves, that person or business is treated as if they were a resident of the City. Those that are not considered a resident are charged non resident fees. Below are the volumes experienced and anticipated.

Table 22 - Tipping Volumes

	Forecast	Projected	Actual	Actual
Metric Tonnes	2011	2010	2009	2008
Residential	32,609	31,992	30,376	35,458
Non Residential	7,737	8,411	5,908	8,891

The rate structure for tipping fees is based on the practice that residents pay half the amount of non residents. No increases on tipping fees are being contemplated for 2011.

Table 22 - Tipping Fees

Activity	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end	2009 Budget
Waste Management Facility	\$ 1,030,970	\$ 1,011,657	1.9%	\$ 1,300,779	\$ 887,418	\$ 909,082

iii. Reserve Withdrawals

Per the City Reserve Policy, withdrawals on capital projects will be made in accordance with current budget directives as outlined in the capital budget and operational budget. When expenditures are completed withdrawals will be made. Changes to withdrawals other than those made per budget directive must be endorsed by Council.

CONCLUSION

When all the utilities are combined the net increase to a consumer of 25 cubic metres per month will be as follows.

Table 23 - Monthly Bill	25 Cubic Metres			
Utility	2011	2010	Change	%
W01 Residential Water	\$ 23.03	\$ 22.00	\$ 1.03	
S01 Residential Sewer	22.26	21.25	1.01	
Waste Management Fees	8.00	8.00	-	
WMR 1 Residential Water Base	19.47	18.87	0.60	
SMR1 Residential Sewer Base	19.92	18.74	1.18	
Total	\$ 92.69	\$ 88.86	\$ 3.83	4.3%

As put forward in the **Executive Summary** the mission is to ensure every user is treated to high quality drinking water, with an ample supply; safe disposal of sanitary sewage; and a responsible removal of waste material. Administration has identified all the required components of the three separate utilities. Projections have been on the future direction of capital and what is required to be set aside in order to bring those projects on.

Appendix 1 – Water Utility Financial Forecast

Activity	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end
Conditional Operating Grants	\$ -	\$ 9,541	-100%	\$ 9,541	\$ 3,785
Conditional Capital Grants	2,250,000	4,782,043	-53%	2,750,000	228,203
Total Grants	2,250,000	4,791,584	-53%	2,759,541	231,988
Base Rate Charges	1,464,755	1,406,971	4%	1,421,704	1,303,219
Consumption Charges	1,842,577	1,749,060	5%	1,685,000	1,653,456
Total user charges	3,307,332	3,156,031	5%	3,106,704	2,956,675
Sale of Water	55,000	45,000	22%	50,000	47,593
Connection Services	23,000	27,500	-16%	26,000	17,211
Rental/Other	109,454	91,955	19%	104,166	83,234
Total other sources	187,454	164,455	14%	180,166	148,038
Water Works Reserve	3,335,000	1,811,215	84%	638,151	592,957
Water Works Debt	-	2,500,000	-100%	2,500,000	350,000
Total internal & external financing	3,335,000	4,311,215	-23%	3,138,151	942,957
Total Water Revenue	\$ 9,079,786	\$ 12,423,285	-27%	9,184,562	4,279,658
Water Administration	68,479	67,306	2%	64,622	68,075
Meter Reading	29,401	28,306	4%	39,702	46,296
Water Billing	105,950	99,083	7%	77,347	75,606
Water Special Projects	49,400	200,000	-75%	106,794	800
Water Utility Safety	19,896	-		3,565	-
Water Works Training	37,018	17,000	118%	4,961	9,825
Total Administration	310,144	411,695	-25%	296,991	200,602
No. 1 Water Plant	619,635	513,945	21%	347,863	429,555
Holiday Water Plant	715,316	709,615	1%	604,148	634,712
Total Water Treatment Plants	1,334,951	1,223,560	9%	952,011	1,064,267
Mains	237,220	241,945	-2%	211,594	295,418
Services	247,500	243,089	2%	327,089	310,512
Hydrants	99,166	94,313	5%	56,876	78,800
Pumping	56,667	47,729	19%	15,419	17,885
114th Reservoir	28,367	39,329	-28%	13,688	12,474
Fairview Heights	27,667	75,029	-63%	29,477	18,922
Airport Pumping	9,212	15,364	-40%	858	2,469
Water Tower	17,867	24,465	-27%	17,570	10,811
Water Works	18,993	22,538	-16%	16,946	17,034
Small Tools	6,712	8,131	-17%	2,084	2,432
Water Meters	64,658	43,862	47%	48,781	19,989
Valve Replacements	27,177	47,933	-43%	27,600	13,466
Total Transmission & Distribution	841,208	903,727	-7%	767,982	800,212
Interest	95,750	56,390	70%	9,541	14,556
Water Works Debt	126,438	116,350	9%	66,259	5,440
Water Capital	5,585,000	9,027,000	-38%	4,771,892	753,273
Water Works Deficit Repayment	107,289	94,572	13%	94,572	178,240
Water Works Reserve	679,006	589,992	15%	1,689,992	1,263,068
Additional contributions to reserve	-	-		461,695	-
Total internal & external financing	6,593,484	9,884,304	-33%	7,093,951	2,214,577
Total Water Expenses	9,079,786	12,423,286	-27%	9,110,935	4,279,658
Surplus or deficit	\$ -	-\$ 1		\$ 73,627	-\$ 0

Appendix 2 - Water Capital Projects

2011**1. Expansion of Water Treatment Plant No. 1****Project No. 097001**

Upgrade plant capacity by adding additional filters and related components. Additional capacity reduces demands on WTP # 2.

The project is expected to cost \$7.1 million, with funding coming from the Infrastructure Stimulus Fund. The remaining cost of the project will be financed by debt. The projected cost to the end of 2010 (including work in 2009) is \$4,134,000.

The actual building expansion will be 528 square meters with the treatment expansion increasing by 218 cubic meters per hour. The total water treatment expansion, once the project is complete, will then increase to 381.5 cubic meters per hour.

The expansion project at Water Treatment Plant No. 1 is necessary in order to meet an increasing demand for water in the City of North Battleford.

The General Contractor is Miners Construction Co. Ltd. from Saskatoon. Some site work and preparation has begun and the entire project will be complete by the end of March 2011.

2. Water Treatment Plant #1:**Equipment Changes - Air to Electric Actuators****Project No. 097001**

The automatic valves are controlled using forced air actuators. For the last few years, the actuator valves have begun to fail during the automatic backwash process. The process entails changing air actuators to electric actuators. The work would also include changing the wiring and controls to operate the actuators. This work will be done at the same time as the expansion.

Project is estimated to cost \$110,000. The City is projecting \$10,000 to be spent by the end of 2010.

3. New Well Development**Project No. 117001**

This work will see the development of 4 new wells into the existing raw water supply line that feeds untreated well water to the new water treatment plant. This project would include the location, design, drilling, development and connection of the wells. The work will begin in the early part of 2011 with the bulk of the work done by summers end.

Water Mark Consulting will be the consultant for the project. The tender will be set up for the well development once the project has been approved.

The project is expected to cost \$800,000 and will be financed by reserve withdrawals. Contributions to the reserve for 2011 being \$200,000 will be deferred pending the results of this project. This work will continue on into 2012-2014, where administration is projecting \$300,000 annually.

**4. Water Treatment Plant #1
Chemical Room Foundation Remediation Project No. 11702**

There is a lean to building located next to the water treatment that stores chemical and equipment. The foundation has begun to pull away from the main building. To fix this problem the foundation will have to be underpinned. KGS MR2 will be the consultant on the project. The estimated cost of the work is \$50,000, which will come from reserve withdrawal. Construction will start in the spring.

**5. Water Treatment Plant #1
Roof Replacement Project No. 11703**

The existing shingles on the water treatment plant have begun to fail and need to be replaced. In discussions with KGS MR2 Consultant, they have recommended that the roof be replaced at the same time the addition is done. The estimated cost of the work is \$75,000, which will come from reserve withdrawal. It is proposed that the work will be done by the same sub trade doing the work on the expansion.

**6. Holliday Treatment Plant
Pre-settling System Project No. 097007**

A settling structure, typically tube or incline plate, will be installed in the existing abandoned area of the former Hydro-treater at the surface water treatment plant. Pre-settling will help remove sand and silt from turbid raw river water, thereby making the treatment process more efficient during difficult treatment conditions. KGS MR2 Consultant is handling the project.

The project is estimated to cost \$300,000 when proposed and approved in 2009. No work was done on the project in 2009. For 2010 there will be approximately \$10,000 in design work done. The City is looking at completed the detailed design in 2011 (\$10,000) and completing the construction of the pre-treater in 2012 (\$330,000). The project cost for this budget cycle has been revised to \$350,000. Financing will come from reserve withdrawal.

**7. Holliday Treatment Plant
Filter Under Drain System****Project No. 097008**

The current filter Under Drain systems that are used for backwashing and air scouring of the filter media, have begun to fail at the F.E. Holliday Water Treatment Plant. This project would include the removal of the filter media, replacement of the existing piping with new stainless steel piping and replacing the existing filter media. KGS MR2 Consultant is handling the project.

The project is estimated to cost \$208,000 when proposed and approved in 2009. No work was done on the project in 2009. For 2010 there will be approximately \$10,000 in design work done. The City is looking at completing the enhancement of the filters this year. Financing will come from reserve withdrawal.

**8. Holliday Treatment Plant
Backwash System****Project No. 097009**

Piping changes to remove the need to use water from Saskatchewan Hospital pipeline to backwash filters. Eliminate dependence on pipeline for backwash by using city controlled distribution system. The project will be constructed during the winter of 2009/2010. KGS MR2 Consultant is handling the project.

The project is estimated to cost \$100,000 when proposed and approved in 2009. No work was done on the project in 2009. For 2010 there will be approximately \$10,000 in design work done. The City is looking at completing the enhancement of the filters this year.

The cost for the project estimated cost has increased to \$150,000. Financing will come from reserve withdrawal. This project was approved and started in 2009. This project will be completed in 2010.

9. Annual Main Replacement**Project No. 117004**

Areas to be determined. The City is projecting costs of \$400,000 annually through the next five years. The New Deal Grant program will provide \$150,000 for 2011 and 2012 with the balance of the remaining cost being financed by reserve withdrawals.

10. Booster Station Standby Engine**Project No. 097016**

A standby generator will be installed so that the booster station can maintain water pressure to the north part of the City in the event of a power failure.

This work is projected to cost \$100,000. At the end of 2010 the costs incurred will be approximately \$50,000. To complete the work will require an additional \$150,000.

Construction will commence once the natural gas generator/electrical generator arrives from the manufacture. Catterall & Wright Consulting Engineers are the consultants on the project. Financing will come from reserve withdrawal.

11. Tower/114th Res.**Project No. 107003**

These facilities are aging and require upgrading. A good portion of this funding is toward recoating the exterior of the water tower to minimize corrosion. This project was slated for 2010 at a projected cost of \$300,000. The project needs to be increased to \$350,000 and will be financed by reserve withdrawals

This project will be done during the summer.

2012 Water Capital Projects

**1. Holliday Treatment Plant
Pre-settling System**

Project No. 097007

This is a continuation of the project identified in 2011. The cost to complete this betterment is projected to be \$330,000.

**2. System Expansion Complete Loops in Killdeer, Sask Hospital, Highway 16
Bypass/Riverview**

Installation of new mains tied into existing mains. This program improves water quality, and volume in the areas listed. This projected to cost \$500,000. This program would be completed during the normal construction season.

2013 Water Capital Projects

1. No. 1 Treatment Plant Waste Water Management

A management system, perhaps consisting of a settling pond, will be constructed to reduce iron and manganese deposition to the North Saskatchewan River from the backwash of the groundwater treatment plant. The specific process to be used will be developed upon consultation with Saskatchewan Environment and a consultant.

Projected to cost \$100,000 and will be funded entirely by reserve withdrawals

2. Holliday Treatment Plant River Bank Stability

The riverbank adjacent to the surface water treatment facility was stabilized to some degree during an emergency repair of the airlift drain lines. By 2012, it would be prudent to undertake a more comprehensive examination of the riverbank failure and conduct the appropriate remedial measures.

Projected to cost \$140,000.

Engineering will occur during the Winter and Spring of 2012, with construction during the Summer.

3. Reconstruct primary system backflow valves for both treatment plants

These valves are required to prevent the water in the City distribution system from flowing out of the pipelines from the treatment plants, due to natural elevation, in the event of a pipe failure. The existing valves have not been serviced for many years.

Projected to cost \$120,000.

2014 Water Capital Project

1. Replace Airport Water Main

The cost to replace this 1 kilometer long line is estimated to be \$222,000. This is to be funded entirely by reserve contributions.

2015 Capital Projects

1. System Expansion – Complete Loops at Sask Hospital and Parson Park

With added capacity being proposed in the Industrial Park it will be necessary to complete loops in that section of the City. The projected cost is set at \$400,000.

Appendix 3 – Sanitary Sewer Financial Forecasts

Activity	2011 Budget	2010 Budget	Budget to Budget%	2010 Year-end Projection	2009 Year end
Conditional Operating Grants	\$ 28,405	\$ 36,787	-23%	\$ 36,787	\$ 14,593
Conditional Capital Grants	150,000	150,000	0%	150,000	-
Total Grants	178,405	186,787		186,787	14,593
Base Rate Charges	1,500,935	1,424,682	5%	1,415,000	1,333,570
Removal	1,780,958	1,706,263	4%	1,675,000	1,561,097
Total user charges	3,281,893	3,130,945		3,090,000	2,894,667
Connection Services	4,000	22,500	-82%	4,000	3,629
Sanitary Sewage Reserve	908,446	2,305,475	-61%	1,255,475	511,339
Sanitary Sewage Debt	-	-		-	1,350,000
Total internal & external financing	908,446	2,305,475	-61%	1,255,475	1,861,339
Total Sanitary Sewage Revenue	\$ 4,372,744	\$ 5,645,707	-23%	\$ 4,536,262	\$ 4,774,229
Sanitary Sewage Administration	\$ 54,615	\$ 56,661	-4%	\$ 60,614	\$ 68,417
Sanitary Sewage Training	26,923	15,000	79%	4,500	7,568
Sanitary Sewage Safety Operations	22,614	-		14,000	-
Total Administration	104,152	71,661	45%	79,114	75,985
Treatment Plant	1,001,100	800,315	25%	831,437	863,575
Sanitary Sewage Services	133,202	129,392	3%	115,330	133,025
Sanitary Sewage Main	174,149	171,184	2%	189,962	138,765
Total Main Collection	307,350	300,576	2%	305,292	271,790
Industrial Park Lift	24,703	23,274	6%	14,256	5,494
Waterslide Lift	8,553	6,654	29%	3,251	2,941
Highway 16 Lift	11,803	7,454	58%	3,874	2,573
Golf Course Lift	9,603	6,554	47%	3,950	2,496
Waste Management Facility Lift	10,403	7,454	40%	2,886	647
South East Quad Lift	13,603	7,754	75%	4,598	3,614
Riverview Lift	13,603	7,854	73%	4,052	5,904
Total Lift Station	92,272	66,998		36,867	23,669
Sanitary Sewage Interest	780,590	813,201	-4%	813,201	787,061
Sanitary Sewage Capital	795,000	2,200,000	-64%	1,150,000	1,331,167
Sanitary Sewage - Debt Repayment	658,446	630,475	4%	630,475	435,975
Sanitary Sewage Reserve	472,697	605,679	-22%	605,679	992,280
Sanitary Sewage Deficit Repayment	161,136	156,801	3%	156,801	-
Total internal & external financing	2,867,869	4,406,156		3,356,156	3,546,482
Total Sanitary Sewage Expense	\$ 4,372,744	\$ 5,645,706	-\$ 0	\$ 4,608,866	\$ 4,781,502
Surplus or deficit	\$ -	\$ 1		-\$ 72,604	-\$ 7,273

Appendix 4 – Sanitary Sewer Capital Projects

2011

1. Sludge Removal Project

Project No. 118001

In 2010 the City contract Associated Engineering to look at options for disposal of biological sludge produced at the City's waste water treatment plant. They have recommended the bio-solids be composed. This product will then be used as bedding and fertilizer.

The design is projected to cost \$50,000.

2. Annual Collector Replacement

Project No. 108002

Areas to be determined. The City is projecting costs of \$400,000 annually through the next five years. The New Deal Grant program will provide \$150,000 for 2011 and 2012 with the balance of the remaining cost being financed by reserve withdrawals.

3. WMF Lift Station Rebuild

Project No. 118001

The City will do an extensive refit of the lift station which is slated to cost \$150,000. Financing will be done through reserves.

4. SE Quadrant Pump Upgrade

Project No. 118002

With the construction of the Credit Union CU-Plex and future proposed construction near the site, there is concern that the pumps and controls at the southeast sanitary sewer lift station may require upgrades to handle the flows.

This project would include review of the pumps and impellers curves and determine if the sewage lift station can handle the new flows from the building projects in the southeast quadrant. If it is determined that the pumps and/or controls require upgrading, the design will be completed in 2011 with the upgrades beginning in 2012. The cost of the design is estimated to be \$50,000 for 2011 and the renovations in the following year are estimated to be \$250,000. Associated Engineering will be the consultant for the project. The cost of the work would be funded by reserves.

5. Equalization Pond

Project No. 118003

During high sanitary sewage flows into the wastewater treatment plant, when flows are too high to conduct a proper treatment, the flows are diverted into an equalization pond. Once the equalization pond becomes full, the excess sewage flow is spilled directly into

the river. When the sewage flow slow back down to rate that the sewage treatment plant can treat the sewage, flows that were diverted into the equalization pond are allowed to flow back into the wastewater treatment plant for proper treatment.

This project would determine the proper volume to expand the equalization pond and a second pond will then be designed and budgeted for in the next budget cycle. The cost of the design work is estimated to be \$30,000, which will be funded by reserves.

6. SCADA Lift Station – Industrial Park

Project No. 118004

As a part of the upgrade of the sewage lift stations across the city, the industrial sanitary sewer lift station in the industrial park will be connected with a SCADA (System Control And Data Acquisition) system. The controls and data will be sent to the wastewater treatment plant allowing the wastewater treatment plant to monitor and anticipate increased sanitary flows due to both weather storms and unpredicted events.

The project will include the installation of monitoring equipment, construction of radio tower and the reprogramming of the wastewater treatment plant SCADA system to accept the data from the sewage lift station.

Ultimately, all of the sanitary sewage lift stations will be connected to the wastewater treatment plant by a SCADA system allowing the wastewater treatment plant controls and operators to monitor sewage flows from the city. The cost of the project is estimated to be \$75,000 financed by reserves.

2012 Sewer Capital Projects

1. Sludge Removal Project

Project No. 118001

The City will proceed with the second phase of this project and begin the construction of the composting area. At this time it is anticipated that the work will cost approximately \$500,000.

2. WWTP Bypass Lift Station

Engage a consultant to review the need for the provision of a by-pass lift station and provide design for the proposed structure.

The estimated capital cost will be \$75,000. This will be financed through reserves.

3. SE Quadrant Pump Upgrade

Project No. 118002

The renovation will cost approximately \$250,000 to be financed by reserves.

4. SCADA Lift Station Project

Project No. 118004

This is a continuation of the upgrade of the sewage lift stations across the city with a SCADA (System Control And Data Acquisition) system. The controls and data will be sent to the wastewater treatment plant allowing the wastewater treatment plant to monitor and anticipate increased sanitary flows due to both weather storms and unpredicted events. The estimated cost is \$75,000, financed by reserves.

5. Decommissioning of the Shell Lift Station

Presently, the Shell Service Station is connected to a City's municipal sewage system by way of a sewage lift station. With the construction of the new trunk main to the new Wastewater Treatment Plant, this sewage lift station could be decommissioned by constructing a gravity sewage pipe to the new existing sewage main.

By installing the gravity main, the costs for operating and maintaining the sewage lift station can be eliminated.

The project cost is estimated to be \$83,000.

2013 Sewer Capital Projects

1. WWTP Bypass Lift Station

Construction of structure recommended in the 2012 report.

The estimated capital cost will be \$250,000. This will be financed through reserves.

2. Decommission Old Plant

Project 098001

In 2009 the project was put forward, but due to time constraints it was delayed. In 2010 some of the salvage work had started to date \$ 36,630 has been committed to the work. Due to time commitments this project will be postponed to 2013 at which time the site will be completely demolished and land reclaimed. This work is projected to cost \$200,000.

3. Clarifier Covers

Fiberglass covers will be installed over the clarifier troughs to reduce the growth of an algae-slime on the clarifier trough walls. This slime breaks off and flows on to the UV light reactors, blocking the UV light from reaching and neutralizing existing harmful micro-organisms that are released to the North Saskatchewan River. This slime also coats the protective quartz sleeves placed over the UV light tubes, reduces the clarity of the sleeves and shortening their useful life, making replacement necessary.

The estimated capital cost will be \$120,000. This will be financed through reserves



Appendix 5 - Five Year Capital Plan 2011-2015

PROJECT DESCRIPTION	FIVE YEAR					
	Total	2011	2012	2013	2014	2015
WATER & SEWER UTILITY						
WATER SERVICES						
#1 Water Treatment Plant	5,325,000					
Plant Expansion No. 1 Plant		3,300,000				
Equipment Changes - Air to Electric Actuators		100,000				
New Well Development		800,000	300,000	300,000	300,000	
Chemical Room Foundation Remediation		50,000				
Roof Replacement on Existing Building		75,000				
Waste Water Management				100,000		
Sub-Total		4,325,000	300,000	400,000	300,000	-
Water Plant & Wells Reserve		1,125,000	300,000	400,000	300,000	
Grant Programs		2,100,000	-		-	
Debt		1,100,000	-		-	
Holiday Water Treatment Plant	830,000					
Presettling System		10,000	330,000			
Filter Underdrain System		200,000				
Backwash System		150,000				
Riverbank Stability Analysis & Remediation				140,000		
Sub-Total	-	360,000	330,000	140,000	-	-
Water Plant & Wells Reserve		360,000	330,000	140,000		
Grant Programs		-	-			
Debt		-	-			
Distribution System	3,242,000					
Main Replacement		400,000	400,000	400,000	400,000	400,000
System Expansion Complete Loops Sask Hospital and Parsons Park			500,000			
Reconstruct primary system backflow valves #1 and Holiday Plant				120,000		
Airport - replace 1,000 meters of water main					222,000	
System Expansion Complete Loops in Kildeer, Sask Hospital, Highway 16 Bypass/Riverview						400,000
Sub-Total		400,000	900,000	520,000	622,000	800,000
Water Main Replacement Reserve		250,000	500,000	520,000	622,000	600,000.00
Grant Programs		150,000	400,000	-	-	200,000.00
Debt		-	-	-		-
Satellite Stations	500,000					
Booster Standby Engine		150,000				
Tower/114th Res.		350,000				
Sub-Total		500,000	-	-	-	-
Water Tower/Reservoirs Reserve		500,000			-	-
Grant Programs		-				
Debt		-				
TOTAL WATER	9,897,000	5,585,000	1,530,000	1,060,000	922,000	800,000
Funding	9,897,000	5,585,000	1,530,000	1,060,000	922,000	800,000



Appendix 5 - Five Year Capital Plan 2011-2015 (continued)

PROJECT DESCRIPTION	FIVE YEAR					
	Total	2011	2012	2013	2014	2015
Sewage Treatment Plant	1,195,000					
Sludge Removal Project		50,000	500,000			
WWTP Bypass Lift Station (redundency-cleaning)			75,000	250,000		
Decommission Old Plant - Remove Structures and reclaim land				200,000		
Clarifier Covers				120,000		
Process upgrade - add primary clarifiers for nitrogen removal						-
Sub-Total		50,000	575,000	570,000	-	-
Sewage Plant Reserve		50,000	575,000	570,000		
Grant Programs		-	-	-	-	-
Debt		-	-	-	-	-
Collection System	2,903,000					
Collector Replacement		400,000	400,000	400,000	400,000	400,000
Killdeer and Fairview Sanitary Sewer Upgrades		-				
WMF Lift Station Rebuild		190,000				
SE Quadrant Pump Upgrade		50,000	250,000			
Equalization Pond		30,000				
SCADA Lift Station		75,000	75,000	75,000	75,000	
Decommission Shell Lift Station			83,000			
Sub-Total		745,000	808,000	475,000	475,000	400,000
Sewage Main Replacement		595,000	658,000	475,000	475,000	400,000
Grant Programs		150,000	150,000	-	-	-
Debt		-	-	-	-	-
TOTAL SEWER	4,098,000	795,000	1,383,000	1,045,000	475,000	400,000
Funding	4,098,000	795,000	1,383,000	1,045,000	475,000	400,000
TOTAL WATER & SEWER UTILITY	13,995,000	6,380,000	2,913,000	2,105,000	1,397,000	1,200,000
Funding	13,995,000	6,380,000	2,913,000	2,105,000	1,397,000	1,200,000
	13,995,000	6,380,000	2,913,000	2,105,000	1,397,000	1,200,000