

2009 - 2013

SEWER UTILITY

OPERATING PLAN

and

TANGIBLE CAPITAL ASSETS



2009 - 2013 OPERATING PLAN Activity Summary

(Statement of Operating Revenues and Expenditures By Activity) In thousands of dollars

SEWER UTILITY

ACTIVITY DESCRIPTION	2007 ACTUAL	2008 EST. ACTUAL	2008 BUDGET	2009 / 2008 B CHANGES	2009 BUDGET	2009 / 2008 B % CHANGE	Note	2010 / 2009 B CHANGES	2010 BUDGET	2010 / 2009 B % CHANGE	Note	2011 / 2010 B CHANGES	2011 BUDGET	2011 / 2010 B % CHANGE	Note	2012 FORECAST	2013 FORECAST
REVENUE																	
Sale of Services	9,658	9,986	9,636	727	10,363	7.5		968	11,331	9		241	11,572	2.1		12,694	13,073
Rechargeable Work	218	229	229	11	240	4.8		12	252	5		13	265	5.2		278	292
Miscellaneous	119	128	128	(9)	119	(7.0)		(0)	119	(0)		-	119			119	119
Taxes	-	-	-	-	-			-	-	-		-	-			-	-
Offsite Transfers	161	182	182	362	544	198.9		38	582	7		(5)	577	(0.9)		588	578
TOTAL REVENUES	10,156	10,525	10,175	1,091	11,266	10.7		1,018	12,284	9		249	12,533	2.0		13,679	14,062
EXPENDITURES																	
Administration and General	835	829	829	214	1,043	25.9	3	26	1,069	2	9	36	1,105	3.4	13	1,147	1,191
Operations and Maintenance	4,708	4,913	4,913	1,392	6,305	28.3	1-6	571	6,876	9	7-11	487	7,364	7.1	12-16	7,926	8,307
Interest	1,716	1,876	1,876	(46)	1,830	(2.5)		386	2,216	21		(7)	2,209	(0.3)		2,149	2,058
Amortization	1,261	1,309	1,309	(420)	889	(32.1)		244	1,133	27		(513)	620	(45.3)		1,350	1,375
TOTAL OPERATING EXPENDITURES	8,520	8,927	8,927	1,140	10,067	12.8		1,227	11,294	12		3	11,297	0.0		12,572	12,931
NET INCOME (LOSS)	1,636	1,598	1,248	(49)	1,199	(3.9)		(209)	990	(17)		246	1,236	24.8		1,107	1,131

2009 - 2013 OPERATING PLAN
Summary of Personnel Changes and Notes

(Summary of Personnel Changes for 2009-2013 Operating Plan and Explanatory Notes to Activity Summary)

SEWER UTILITY

SUMMARY OF PERSONNEL CHANGES FOR 2009 - 2013 OPERATING PLAN:

	2008	RECOMMENDED CHANGES		2009	RECOMMENDED CHANGES			2010	RECOMMENDED CHANGES			2011	2012	2013	
	APPROVED	Reductions	Additions	BUDGET	Note	Reductions	Additions	BUDGET	Note	Reductions	Additions	BUDGET	Note	FORECAST	FORECAST
Permanently Established Positions (PEPs)	31.1		1.7	32.8	1,2		2	34.3	3,4		1	35.3	12	37.3	38.8
Term Positions (TERM)				0.0				0.0				0.0		0.0	0.0
Full Time Equivalent Positions (FTEs)	36.0	0.8	1.7	37.0	1,2	0.3	1.5	38.2	3,4		1.0	39.2	12	40.7	42.2

EXPLANATORY NOTES TO STATEMENT OF REVENUES AND OPERATING EXPENDITURES BY ACTIVITY:

NOTES: Explanation of changes >3.5% and >\$10,000 AND all personnel changes:

2009 Notes:

1. Permanent Water & Sewer Operator offset by reductions in temporary operator - increased infrastructure to operate due to growth. (\$58.6k)
2. Manager of Risk Control (EH&S and security for due diligence) plus utility technologist shared with Water Utility and Solid Waste Utility. Net increase of 0.7 PEP. (\$77k)
3. Increased Corporate Transfer charges (\$124k); Adjustment to wages and benefits due to collective agreement settlements and certification (\$527k)
4. Increased Power Costs for WWTP and Pump Stations (\$268k); Increased fuel costs (\$64k); Increase in Contracted Services/Supplies/Materials (\$211k)
5. Increased Chemical Costs (\$44k); Increased Equipment Lease costs (\$44k)
6. Support to South East Alberta Watershed Alliance WPAC (shared with Water Utility) - \$25k

2010 Notes:

7. Permanent Water & Sewer Operator offset by reductions in temporary operator - increased infrastructure to operate due to growth. (\$40k)
8. Permanent Engineering Technologist shared equally with Water Utility for net 0.5 PEP (\$54k)
9. Increased Corporate Transfer charges (\$2.5k); Adjustment to wages and benefits due to collective agreement settlements and certification (\$182k); Increased Equipment Lease (\$144.8k)
10. Increased Power Costs for WWTP and Pump Stations (\$25k); Increased fuel costs (\$4k); Increased Chemical costs (\$45); Increase in Contracted Services/Supplies/Materials (\$24.8k)
11. Support to South East Alberta Watershed Alliance WPAC (shared with Water Utility) - \$25k

2011 Notes:

12. Permanent Water & Sewer Operator - increased infrastructure to operate due to growth. (\$57k)
13. Increased Corporate Transfer charges (\$40k); Adjustment to wages and benefits due to collective agreement settlements and certification (\$188k)
14. Increased Power Costs for WWTP and Pump Stations (\$59.3k); Increased fuel costs (\$3k); Increased Chemical costs (\$40.2); Increase in Contracted Services/Supplies/Materials (\$23.5k)
15. Increased Equipment Lease (\$27k)
16. Support to South East Alberta Watershed Alliance WPAC (shared with Water Utility) - \$25k



2009 - 2013 OPERATING PLAN

Object Summary

(Statement of Operating Revenues and Expenditures By Object) In thousands of dollars

SEWER UTILITY

ACTIVITY DESCRIPTION	2007 ACTUAL	2008 EST. ACTUAL	2008 BUDGET	2009 / 2008 B CHANGES	2009 BUDGET	2009 / 2008 B % CHANGE	2010 / 2009 B CHANGES	2010 BUDGET	2010 / 2009 B % CHANGE	2011 / 2010 B CHANGES	2011 BUDGET	2011 / 2010 B % CHANGE	2012 FORECAST	2013 FORECAST
REVENUE														
Sale of Services	9,658	9,986	9,636	727	10,363	7.5	968	11,331	9.3	241	11,572	2.1	12,694	13,073
Internal Revenue											-		-	-
Rechargeable Work	218	229	229	11	240	4.8	12	252	5.0	13	265	5.2	278	292
Miscellaneous	-	1	1	0	1	10.0	-	1		-	1		1	1
Provincial Interest Subsidy											-		-	-
Local Improvement Tax	118	127	127	(9)	118	(7.1)	-	118		-	118		118	118
Offsite Transfer	161	182	182	362	544	198.9	38	582	7.0	(5)	577	(0.9)	588	578
TOTAL REVENUES	10,155	10,525	10,175	1,091	11,266	10.7	1,018	12,284	9.0	249	12,533	2.0	13,679	14,062
EXPENDITURES														
Salaries, Wages & Benefits	2,412	2,630	2,630	660	3,290	25.1	256	3,545	7.8	244	3,790	6.9	4,137	4,406
Other Personnel Costs	41	54	54	40	94	74.6	3	97	3.2	2	99	1.7	102	105
Contracted Services	241	333	333	118	451	35.6	21	473	4.7	19	492	4.0	508	523
Materials and Supplies	914	906	906	206	1,112	22.7	63	1,175	5.7	65	1,239	5.5	1,289	1,327
Interdepartmental Charges	1,910	1,782	1,782	579	2,361	32.5	252	2,613	10.7	194	2,807	7.4	2,995	3,095
Provision for Allowances	32	37	37		40			42			42		42	42
Interest	1,716	1,876	1,876	(46)	1,830	(2.5)	386	2,216	21.1	(7)	2,209	(0.3)	2,149	2,058
Amortization	1,261	1,309	1,309	(420)	889	(32.1)	244	1,133	27.5	(513)	620	(45.3)	1,350	1,375
TOTAL OPERATING EXPENDITURES	8,527	8,927	8,927	1,137	10,067	12.7	1,225	11,294	12.2	3	11,297	0.0	12,572	12,931
NET INCOME (LOSS)	1,628	1,598	1,248	(46)	1,199	(3.7)	(207)	990	(17.3)	246	1,236	24.8	1,107	1,131



2009 - 2013 OPERATING PLAN

Change in Financial Position

(Statement of Changes in Financial Position) In thousands of dollars

SEWER UTILITY

ACTIVITY DESCRIPTION	2007 ACTUALS	2008 EST. ACTUAL	2008 BUDGET	2009 BUDGET	2009 / 2008 B % CHANGE	2010 BUDGET	2010 / 2009 B % CHANGE	2011 BUDGET	2011 / 2010 B % CHANGE	2012 FORECAST	2013 FORECAST
OPERATING ACTIVITIES											
Net Earnings	1,636	1,597	1,247	1,199	(4)	990	(17)	1,236	25	1,107	1,131
Add: Amortization Expenses	1,261	1,309	1,309	889	(32)	1,133	27	620	(45)	1,350	1,375
Deduct: Dividend to General Fund	190	190	190	190		190		190		190	190
Deduct: Offsite Contributions	638	707	707	984	39	1,074	9	1,081	1	1,128	1,157
TOTAL OPERATING ACTIVITIES	2,069	2,009	1,659	914	(44.9)	859	(6.0)	585	(31.9)	1,139	1,159
INVESTMENTS											
Property, Plant and Equipment											
- Current Year Budget	1,667	-	400	400		450	13	1,400	211	400	400
- Prior Year Budget	3,722	500	9,345	9,645	3	2,100	(78)	1,750	(17)	1,850	2,350
- Sale of Assets								(1,007)	100		
TOTAL INVESTING ACTIVITIES	5,389	500	9,745	10,045	3.1	2,550	(74.6)	2,143	(16.0)	2,250	2,750
FINANCING											
Long Term Debt Issued	4,761	500	7,050	11,468	63	3,300	(71)	2,050	(38)	2,100	2,600
Debenture Principal	(1,388)	(1,618)	(1,618)	(1,699)	5	(2,114)	24	(2,322)	10	(2,512)	(2,688)
Internal Loan Principal	(21)	(6)	-	(7)	100	(8)	12	-	(100)	-	-
Contributions in Aid of Construction	1,653	-	-	-		-		-		-	-
Offsite Contributions	638	707	707	735	4	765	4	795	4	827	860
Contributions for Offsite Debt Principal	476	525	525	441	(16)	493	12	504	2	541	579
TOTAL FINANCING ACTIVITIES	6,119	108	6,664	10,938	64.1	2,436	(77.7)	1,027	(57.8)	956	1,351
INCR/(DECR) IN WORKING CAPITAL	2,799	1,617	(1,422)	1,807		745		(531)		(155)	(240)
OPENING WORKING CAPITAL	(953)	1,847	(533)	3,463		5,270		6,015		5,484	5,329
CLOSING WORKING CAPITAL	1,847	3,463	(1,955)	5,270	(369.6)	6,015	14.1	5,484	(8.8)	5,329	5,089



**2009 - 2013 TANGIBLE CAPITAL ASSET BUDGET
Summary of TCA Budget**

(Summary of TCA Budget and Carry Forwards) In thousands of dollars

SEWER UTILITY

PAGE	TCA DESCRIPTION	BUDGET REQUEST			BUDGET FORECAST		5 YEAR TOTAL	FUNDING SOURCE
		2009	2010	2011	2012	2013		
3.7	Miscellaneous Collection System Upgrades	300	300	300	350	350	1,600	DEB
3.9	Flow Monitoring Stations	100	-	-	-	-	100	DEB
3.11	Ross Glen Lift Station Upgrades	100	-	-	-	-	100	DEB
3.13	CCTV Collection System Inspection Equipment	100	-	-	-	-	100	WC
3.15	North Flats Trunk Upgrades	2,049	-	-	-	-	2,049	OFF
3.17	Cottonwood Lift Station	125	-	-	-	-	125	DEB
3.19	Sanitary Lift Station Odor Control Scrubbers	125	-	-	-	-	125	DEB
3.21	Sewermain Replacements	-	750	750	750	750	3,000	DEB
3.23	1st St North Trunk Sewer Upgrades	-	-	-	2,000	-	2,000	OFF
3.25	Northeast Residential Reserve Sewer Trunk Main	-	-	-	-	7,000	7,000	OFF
3.26	Purmal Lift Station/Forcemain Upgrades	-	-	-	-	12,000	12,000	OFF
3.27	SW Sector Lift Station Forcemain Expansion	-	-	-	-	3,000	3,000	OFF
3.28	Effluent Quality Monitoring stations	-	50	-	50	50	150	WC
3.30	Wastewater Treatment Plant Enhancements	-	100	100	100	100	400	WC
3.32	Building Mechanical Upgrades	250	-	-	-	-	250	DEB
3.34	Dewatering System Upgrade	-	-	-	-	1,500	1,500	DEB
3.36	Environmental Utilities Facility (1/3 share)	900	-	-	-	-	900	EXT

DEPARTMENTAL TOTAL	4,049	1,200	1,150	3,250	24,750	34,399
---------------------------	--------------	--------------	--------------	--------------	---------------	---------------

FINANCING SUMMARY

GG) Government Grants						
DEB) Debenture	1,000	1,050	1,050	1,100	2,600	6,800
WC) Working Capital	100	150	100	150	150	650
EXT) Other External Sources (Third Party / Trade-in)	900	-	-	-	-	-
OFF) Offsites	2,049	-	-	2,000	22,000	26,049
FINANCING TOTAL	4,049	1,200	1,150	3,250	24,750	33,499

EFFECT ON OPERATIONS WHEN FULLY OPERATIONAL

Loan Interest	1	30	73	163	252
Depreciation	7	43	104	146	168
TOTAL NET OPERATING EFFECT:	8	73	177	309	420
Loan Principal	-	10	69	140	211



2009 - 2013 TANGIBLE CAPITAL ASSET BUDGET

Capital Summary

(Current Year Capital Summary and Carry Forwards) In thousands of dollars

SEWER UTILITY

FOR INFORMATION: CARRY FORWARD OF AMOUNTS PREVIOUSLY APPROVED

YR.	PROJECT DESCRIPTION	APPRV'D BUDGET	EST. TO 31/12/08	EST. AMTS. TO BE SPENT IN:					5 YEAR EST. TOTAL	
				2009	2010	2011	2012	2013		
2004	SW Sector Sanitary Sewer Lift Station and Forcema	1,750	1,352	398	-	-	-	-	1,750	
2004	North Flats Trunk Upgrades	600	285	315	-	-	-	-	600	
2006	Lift Station Upgrades	4,000	2,900	1,100	-	-	-	-	4,000	
2007	Southwest Trunk System Upgrade	1,400	-	1,400	-	-	-	-	1,400	
2007	Collection System Upgrades	250	8	242	-	-	-	-	250	
2008	Collection System Upgrades	250	-	250	-	-	-	-	250	
2006	Collection System Upgrades	250	196	54	-	-	-	-	250	
2007	Cactus Coulee Main Oversizing	40	-	40	-	-	-	-	40	
2007	Canyon Creek Main Oversizing	45	-	45	-	-	-	-	45	
2008	EU Building Maintenance	25	-	25	-	-	-	-	25	
2001	WWTP Expansion Pre-Design	700	200	500	-	-	-	-	700	
2006	WWTP Enhancements	100	-	100	-	-	-	-	100	
2006	WWTP Effluent Quality Stations	50	-	50	-	-	-	-	50	
2006	WWTP P2 Upgrade and Scoping Study	100	75	25	-	-	-	-	100	
2006	WWTP Chemical Storage Upgrade	300	-	300	-	-	-	-	300	
2007	WWTP Effluent Quality Stations	50	-	50	-	-	-	-	50	
2007	WWTP Enhancements	100	-	100	-	-	-	-	100	
2007	WWTP P2 Upgrade	7,000	250	6,750	-	-	-	-	7,000	
2008	WWTP Enhancements	100	-	100	-	-	-	-	100	
2008	WWTP Effluent Quality Stations	50	-	50	-	-	-	-	50	
TOTAL CARRY FORWARDS				17,160	5,266	11,894	-	-	-	17,160

SEWER UTILITY

ASSET NAME: MISCELLANEOUS COLLECTION SYSTEM UPGRADES
DESCRIPTION: This project provides funding for various components of the sewer collection system.
TCA LOCATION: To Be Determined **EXPECTED LIFE:** 75
IS THIS A NEW TCA? No

IF NO, INDICATE BETTERMENT TYPE: 3

For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:

During the year various sections of sanitary collection operations (mains, services, manholes, vaults, stations) are evaluated for replacement, expansion, upgrades for improved efficiencies and regulations.

TCA COSTS (in thousands of dollars):	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
Miscellaneous Collection System Upgrades	300	300	300	350	350
2009 to 2011 Council Approved TCA:	300	300	300	350	350
FINANCING:					
Debenture	300	300	300	350	350
Total Financing	300	300	300	350	350

SEWER UTILITY

MISCELLANEOUS COLLECTION SYSTEM UPGRADES		2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
EFFECT ON OPERATIONS WHEN FULLY OPERATIONAL:	\$ (000's)					
Expenditures (Savings):						
Depreciation		2	6	10	14	19
Debt - Interest	4.500%	1	14	27	43	58
Total Incremental Expenditures (Savings)		3	20	37	57	77
Debt - Principal	20 Years	-	10	20	31	43
Increase (Decrease) in FTE's						

SEWER UTILITY

ASSET NAME: FLOW MONITORING STATIONS
DESCRIPTION: This project provides funding for the purchase and installation of material and equipment for permanent flow monitoring stations installed at strategic locations to monitor sanitary sewage flows in the collection system.
TCA LOCATION: 1) Police Point Drive 2) Industrial Ave. 3) Bullivant Cres. **EXPECTED LIFE:** 15
IS THIS A NEW TCA? Yes

IF NO, INDICATE BETTERMENT TYPE:
For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:
 The analysis and design of the sanitary sewer system can be effectively managed and predicted by the continuous monitoring of sanitary sewage flows in strategic locations. Flow monitoring is required on a continuous basis at key locations to confirm the capacity requirements that are precipitated by growth.

TCA COSTS <i>(in thousands of dollars)</i> :	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
Flow Monitoring Stations	100	-	-	-	-
2009 to 2011 Council Approved TCA:	100	-	-	-	-
FINANCING:					
Debenture	100	-	-	-	-
Total Financing	100	-	-	-	-

SEWER UTILITY

FLOW MONITORING STATIONS		2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
EFFECT ON OPERATIONS WHEN FULLY OPERATIONAL:						
	\$ (000's)					
Expenditures (Savings):						
Depreciation		-	3	7	7	7
Debt - Interest	4.000%	-	2	4	3	3
Total Incremental Expenditures (Savings)		-	5	11	10	10
Debt - Principal	10 Years	-	-	8	9	9
Increase (Decrease) in FTE's						

SEWER UTILITY

ASSET NAME: ROSS GLEN LIFT STATION UPGRADES
DESCRIPTION: This project provides funding for the upgrade of the Ross Glen Lift Station.
TCA LOCATION: Ross Glen Lift Station **EXPECTED LIFE:** 15
IS THIS A NEW TCA? No

IF NO, INDICATE BETTERMENT TYPE: 3
For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:
 The lift station requires a mid-life upgrade to controls and stand-by power as well as an upgrade to pump rails and wet well.

TCA COSTS (in thousands of dollars):	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
Ross Glen Lift Station Upgrades	100	-	-	-	-
2009 to 2011 Council Approved TCA:	100	-	-	-	-
FINANCING:					
Debenture	100	-	-	-	-
Total Financing	100	-	-	-	-

SEWER UTILITY

ROSS GLEN LIFT STATION UPGRADES		2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
EFFECT ON OPERATIONS WHEN FULLY OPERATIONAL:	\$ (000's)					
Expenditures (Savings):						
Depreciation		-	3	7	7	7
Debt - Interest	4.000%	-	2	4	3	3
Total Incremental Expenditures (Savings)		-	5	11	10	10
Debt - Principal	10 Years	-	-	8	9	9
Increase (Decrease) in FTE's						

SEWER UTILITY

ASSET NAME: CCTV INSPECTIONS OF SANITARY SEWER

DESCRIPTION: This project provides the funding for the purchase of CCTV (Closed Circuit Television) inspection equipment for an in-house inspection program to evaluate the condition of the wastewater collection system.

TCA LOCATION: EU Operations **EXPECTED LIFE:** 10

IS THIS A NEW TCA? Yes

IF NO, INDICATE BETTERMENT TYPE: 1,3

For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:

A CCTV Inspection Program will enable the department to view, monitor, and evaluate the condition of the pipes and in accordance with industry accepted standards of the North American Association of Pipeline Inspectors (NAAPI). Condition evaluation will enable a prioritized approach for a replacement program.

TCA COSTS (in thousands of dollars):	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
CCTV Inspection Equipment	100	-	-	-	-
2009 to 2011 Council Approved TCA:	100	-	-	-	-
FINANCING:					
Working Capital	100	-	-	-	-
Total Financing	100	-	-	-	-

SEWER UTILITY

CCTV INSPECTIONS OF SANITARY SEWER		2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
EFFECT ON OPERATIONS WHEN FULLY OPERATIONAL:	\$ (000's)					
Expenditures (Savings):						
Depreciation		5	10	10	10	10
Total Incremental Expenditures (Savings)		5	10	10	10	10
Debt - Principal		-	-	-	-	-
Increase (Decrease) in FTE's						

SEWER UTILITY

ASSET NAME: NORTH FLATS TRUNK SEWER UPGRADE
DESCRIPTION: This project provides funding for the upgrade of sections of the North Flats Trunk sewer system from the downtown area to Lion's Park.
TCA LOCATION: 1st St SE, 2nd St SE **EXPECTED LIFE:** 75
IS THIS A NEW TCA? No

IF NO, INDICATE BETTERMENT TYPE: 3
For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:
 The North Flats Sewer Trunk requires upgrades in various sections from the downtown area to Lion's Park in order to accommodate development growth.

TCA COSTS (in thousands of dollars):	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
North Flats trunk Sewer Upgrade	2,049	-	-	-	-
2009 to 2011 Council Approved TCA:	2,049	-	-	-	-
FINANCING:					
Off-site Levy Debenture	2,049	-	-	-	-
Total Financing	2,049	-	-	-	-

SEWER UTILITY

NORTH FLATS TRUNK SEWER UPGRADE		2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
EFFECT ON OPERATIONS WHEN FULLY OPERATIONAL:	\$ (000's)					
Expenditures (Savings):						
Depreciation		-	-	14	27	27
Debt - Interest	4.500%	-	-	-	45	87
Total Incremental Expenditures (Savings)		-	-	14	72	114
Debt - Principal	20 Years	-	-	-	32	65
Increase (Decrease) in FTE's						

SEWER UTILITY

ASSET NAME: COTTONWOOD LIFT STATION UPGRADE
DESCRIPTION: This project provides the funding for the replacement of the Cottonwood Lift Station.
TCA LOCATION: 3345 10th Ave SW **EXPECTED LIFE:** 15
IS THIS A NEW TCA? No
IF NO, INDICATE BETTERMENT TYPE: 1, 3

For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:
 The Cottonwood Lift Station requires the wet well, mechanical piping, pumps and controls to be upgraded.

TCA COSTS <i>(in thousands of dollars)</i> :	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
Cottonwood Lift Station Upgrade	125	-	-	-	-
2009 to 2011 Council Approved TCA:	125	-	-	-	-
FINANCING:					
Debenture	125	-	-	-	-
Total Financing	125	-	-	-	-

SEWER UTILITY

COTTONWOOD LIFT STATION UPGRADE		2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
EFFECT ON OPERATIONS WHEN FULLY OPERATIONAL:	\$ (000's)					
Expenditures (Savings):						
Depreciation		-	4	8	8	8
Debt - Interest	4.000%	-	3	5	4	4
Total Incremental Expenditures (Savings)		-	7	13	12	12
Debt - Principal	10 Years	-	-	10	11	11
Increase (Decrease) in FTE's						

SEWER UTILITY

ASSET NAME: SANITARY LIFT STATION ODOR CONTROL SYSTEMS
DESCRIPTION: This project provides the funding for the installation of odor control systems in various lift stations and forcemain air release valves.
TCA LOCATION: To Be Determined **EXPECTED LIFE:** 15
IS THIS A NEW TCA? Yes

IF NO, INDICATE BETTERMENT TYPE:
For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:
 Sanitary lift stations have ventilation systems to prevent the build-up of sewer gases. Forcemain air release valves are required to manage air pressure in the pipes. Some of the existing stations and air release valves require odor control systems to reduce the possibility of sewer odors in residential areas.

TCA COSTS (in thousands of dollars):	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
Sanitary Lift Station Odor Control	125	-	-	-	-
2009 to 2011 Council Approved TCA:	125	-	-	-	-
FINANCING:					
Debenture	125	-	-	-	-
Total Financing	125	-	-	-	-

SEWER UTILITY

SANITARY LIFT STATION ODOR CONTROL SYSTEMS		2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
EFFECT ON OPERATIONS WHEN FULLY OPERATIONAL:	\$ (000's)					
Expenditures (Savings):						
Depreciation		-	4	8	8	8
Debt - Interest	4.000%	-	3	5	4	4
Total Incremental Expenditures (Savings)		-	7	13	12	12
Debt - Principal	10 Years	-	-	10	11	11
Increase (Decrease) in FTE's						

SEWER UTILITY

ASSET NAME: SEWERMAIN REPLACEMENTS
DESCRIPTION: This project provides the funding to repair or replace wastewater collection system piping as appropriate as a result of the CCTV Inspection Program.
TCA LOCATION: To Be Determined **EXPECTED LIFE:** 75
IS THIS A NEW TCA? No

IF NO, INDICATE BETTERMENT TYPE: 1, 3

For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:

The CCTV Sanitary Collection Inspection Program described in Capital Item 1.4 will identify where spot repairs or line replacements will occur. This project provides funds for the areas that require replacement. The exact costs cannot be finalized until the CCTV Inspection Program survey is completed.

TCA COSTS <i>(in thousands of dollars)</i> :	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
Sewermain Replacements	-	750	750	750	750
2009 to 2011 Council Approved TCA:	-	750	750	750	750
FINANCING:					
Debenture	-	750	750	750	750
Total Financing	-	750	750	750	750

SEWER UTILITY

SEWERMAIN REPLACEMENTS		2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
EFFECT ON OPERATIONS WHEN FULLY OPERATIONAL:	\$ (000's)					
Expenditures (Savings):						
Depreciation		-	-	5	15	25
Debt - Interest	4.500%	-	-	18	51	83
Total Incremental Expenditures (Savings)		-	-	23	66	108
Debt - Principal	20 years	-	-	-	24	49
Increase (Decrease) in FTE's						

SEWER UTILITY

ASSET NAME: 1ST STREET N. WASTEWATER COLLECTION SYSTEM TRUNK UPGRADES

DESCRIPTION: This project provides the funding for the upgrades to the existing wastewater collection system.

TCA LOCATION: 1st Street N. **EXPECTED LIFE:** 75

IS THIS A NEW TCA? No

IF NO, INDICATE BETTERMENT TYPE: 1,3

For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:

The 1st Street N. Sanitary trunk system will require upgrades to various sections as a result of development growth in Burnside.

TCA COSTS (in thousands of dollars):	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
1st St North Wastewater Collection System Upgrades	-	-	-	2,000	-
2009 to 2011 Council Approved TCA:	-	-	-	2,000	-
FINANCING:					
Off-site Levy Debenture	-	-	-	2,000	-
Total Financing	-	-	-	2,000	-

SEWER UTILITY

1ST STREET N. WASTEWATER COLLECTION SYSTEM TRUNK UPGRADES		2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
EFFECT ON OPERATIONS WHEN FULLY OPERATIONAL:	\$ (000's)					
Expenditures (Savings):						
Debt - Interest	4.500%	-	-	-	-	2
Total Incremental Expenditures (Savings)		-	-	-	-	2
Debt - Principal	20 Years	-	-	-	-	-
Increase (Decrease) in FTE's						

SEWER UTILITY

ASSET NAME: NORTHEAST RESIDENTIAL RESERVE TRUNK SEWER
DESCRIPTION: This project provides funding for the design and installation of a trunk sewer to collect wastewater effluent from the Northeast Residential Reserve (NERR).
TCA LOCATION: Northeast Residential Reserve **EXPECTED LIFE:** 75
IS THIS A NEW TCA? Yes

IF NO, INDICATE BETTERMENT TYPE:
For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:
 The Northeast Residential Reserve will require a major expansion of the sewer system in order to accommodate development growth.

RANKING RESULTS:

	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
TCA COSTS (in thousands of dollars):					
Northeast Residential Reserve Trunk Sewer	-	-	-	-	7,000
2009 to 2011 Council Approved TCA:	-	-	-	-	7,000
FINANCING:					
Off-site Levy Debenture	-	-	-	-	7,000
Total Financing	-	-	-	-	7,000

SEWER UTILITY

ASSET NAME: PURMAL LIFT STATION / FOREMAIN UPGRADES
DESCRIPTION: This project provides the funding for the upgrade of the Purmal Lift Station and Foremain.
TCA LOCATION: Purmal Lift Station (IXL property) **EXPECTED LIFE:** See below
IS THIS A NEW TCA? No
IF NO, INDICATE BETTERMENT TYPE: 1,3

For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:

The Purmal Lift Station (expected life: station - 30 years/mechanical - 15 years) and Foremain (expected life: 75 years) is a major station that serves the majority of the city south of the South Saskatchewan River. The major development growth in the south nodes of the Municipal Development Plan will require a major upgrade to the Lift Station and Foremain system to accommodate this development growth.

TCA COSTS <i>(in thousands of dollars)</i> :	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
Purmal Lift Station and Foremain Upgrades	-	-	-	-	12,000
2009 to 2011 Council Approved TCA:	-	-	-	-	12,000
FINANCING:					
Off-site Levy Debenture	-	-	-	-	12,000
Total Financing	-	-	-	-	12,000

SEWER UTILITY

ASSET NAME: SOUTHWEST SECTOR LIFT STATION FORCEMAIN SYSTEM EXPANSION
DESCRIPTION: This project provides the funding for the installation of forcemains B and C on the Southwest Sector Lift Station system as a result of growth on the Southwest sector.

TCA LOCATION: _____ **EXPECTED LIFE:** 75

IS THIS A NEW TCA? Yes

IF NO, INDICATE BETTERMENT TYPE:

For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:

The installation of forcemains B and C and the downstream gravity section for the Southwest Sector Lift Station will need to be installed to facilitate development growth in the Southwest Sector.

TCA COSTS <i>(in thousands of dollars)</i> :	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
Southwest Sector Lift Station Forcemain Expansion	-	-	-	-	3,000
2009 to 2011 Council Approved TCA:	-	-	-	-	3,000
FINANCING:					
Off-site Levy Expansion	-	-	-	-	3,000
Total Financing	-	-	-	-	3,000

SEWER UTILITY

ASSET NAME: EFFLUENT QUALITY MONITORING STATIONS
DESCRIPTION: This program provides funds to install effluent monitoring stations upstream in the Wastewater Collection System.
TCA LOCATION: Wastewater Collection System **EXPECTED LIFE:** 15
IS THIS A NEW TCA? Yes

IF NO, INDICATE BETTERMENT TYPE:
For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:
 Effluent monitoring stations are used to detect for wastewater effluent parameters which may have a deleterious impact on the Wastewater Treatment Plant process and/or flow into the receiving stream with potential environmental impacts. These stations provide indication of the magnitude of the deleterious substance and area of origin in order to correct the point source dumping practices and safeguard the South Saskatchewan River.

TCA COSTS <i>(in thousands of dollars)</i> :	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
Effluent Quality Monitoring Stations	-	50	-	50	50
2009 to 2011 Council Approved TCA:	-	50	-	50	50
FINANCING:					
Working Capital	-	50	-	50	50
Total Financing	-	50	-	50	50

SEWER UTILITY

EFFLUENT QUALITY MONITORING STATIONS		2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
EFFECT ON OPERATIONS WHEN FULLY OPERATIONAL:	\$ (000's)					
Expenditures (Savings):						
Depreciation		-	2	3	5	8
Total Incremental Expenditures (Savings)		-	2	3	5	8
Debt - Principal	Term -	-	-	-	-	-
Increase (Decrease) in FTE's						

SEWER UTILITY

ASSET NAME: WASTEWATER TREATMENT PLANT ENHANCEMENTS
DESCRIPTION: This program provides funding for upgrades/enhancements to various components of the Wastewater Treatment Plant.
TCA LOCATION: EXPECTED LIFE: 25
IS THIS A NEW TCA? No
IF NO, INDICATE BETTERMENT TYPE: 1,2,3,4

For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:

During the year, various components of the WWTP are identified for upgrades in process or hydraulic efficiencies; Instrumentation, controls or equipment improvements and upgrades; special process/equipment studies for problem solving or regulatory review to prepare for future regulatory changes. Emerging regulations and technologies, best practices and industry standards identify minor changes that lead to significant hydraulic, process and/or operational improvements that are beneficial to our plant. This capital project provides funds for these requirements as needed.

TCA COSTS (in thousands of dollars):	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
Wastewater Treatment Plant Enhancements	-	100	100	100	100
2009 to 2011 Council Approved TCA:	-	100	100	100	100
FINANCING:					
Working Capital	-	100	100	100	100
Total Financing	-	100	100	100	100

SEWER UTILITY

WASTEWATER TREATMENT PLANT ENHANCEMENTS		2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
EFFECT ON OPERATIONS WHEN FULLY OPERATIONAL:						
	\$ (000's)					
Expenditures (Savings):						
Depreciation		-	2	6	10	14
Total Incremental Expenditures (Savings)		-	2	6	10	14
Debt - Principal	Term -	-	-	-	-	-
Increase (Decrease) in FTE's						

SEWER UTILITY

ASSET NAME: BUILDING MECHANICAL UPGRADES
DESCRIPTION: This project will provide funds to replace corroded shower and washroom facilities and provide for a Maintenance mechanical room and planning office.
TCA LOCATION: WWTP **EXPECTED LIFE:** 15
IS THIS A NEW TCA? No

IF NO, INDICATE BETTERMENT TYPE: 3
For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:
 The existing shower and bathroom facilities are 30 years old and have been corroded out due to the use of ground water for that many years. As part of the project a mechanical room is required for washing Plant protective clothing such as coveralls, coats, etc that are not allowed off site due to hazardous material regulations. This will also provide the opportunity to include the provisions for a maintenance planning office which will free up the Plants Board Room for meeting, which is very much needed for the upcoming UV Expansion etc..

TCA COSTS (in thousands of dollars):	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
Replace corroded Mech equip & construct Mech room	250	-	-	-	-
2009 to 2011 Council Approved TCA:	250	-	-	-	-
FINANCING:					
Debenture	250	-	-	-	-
Total Financing	250	-	-	-	-

SEWER UTILITY

BUILDING MECHANICAL UPGRADES		2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
EFFECT ON OPERATIONS WHEN FULLY OPERATIONAL:	\$ (000's)					
Expenditures (Savings):						
Depreciation		-	8	17	17	17
Debt - Interest	4.300%	-	6	10	10	9
Total Incremental Expenditures (Savings)		-	14	27	27	26
Debt - Principal	Term - 15	-	-	13	13	14
Increase (Decrease) in FTE's						

SEWER UTILITY

ASSET NAME: DEWATERING SYSTEM UPGRADE
DESCRIPTION: This project will provide funds to replace the solids dewatering conveyor systems and modify the loading bay to accommodate trailer units.

TCA LOCATION: _____ **EXPECTED LIFE:** 20

IS THIS A NEW TCA? No

IF NO, INDICATE BETTERMENT TYPE: 1,3,4

For Betterment type, select either: 1. Enhances Service Potential; 2. Lowers Operating Costs; 3. Extends Asset's Useful Life; 4. Improves Output Quality

JUSTIFICATION:

The present conveyor system is 40 years old and needs to be updated to accommodate more efficient use of equipment and manpower for the daily hauling of bio-solids to the compost facility while maintaining present manpower levels at the WWTP. This upgrade will provide trucking and manpower synergies with the new WTP Residuals Treatment to maintain efficient staffing levels with the use of Tractor Trailer units that can haul larger loads decreasing the time needed between loads and driving times.

TCA COSTS (in thousands of dollars):	2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
Bldg mods c/w Conveyor Purchase & installation	-	-	-	-	1,500
2009 to 2011 Council Approved TCA:	-	-	-	-	1,500
FINANCING:					
Debenture	-	-	-	-	1,500
Total Financing	-	-	-	-	1,500

SEWER UTILITY

DEWATERING SYSTEM UPGRADE		2009 BUDGET	2010 BUDGET	2011 BUDGET	2012 FORECAST	2013 FORECAST
EFFECT ON OPERATIONS WHEN FULLY OPERATIONAL:	\$ (000's)					
Expenditures (Savings):						
Debt - Interest		-	-	-	-	1
Total Incremental Expenditures (Savings)		-	-	-	-	1
Debt - Principal	Term - 20	-	-	-	-	-
Increase (Decrease) in FTE's						